

GM 59375

THE 2000-2001 EXPLORATION PROGRAM ON THE QUEBEC 7 PROPERTY

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**THE 2000-2001 EXPLORATION PROGRAM
ON THE QUEBEC 7 PROPERTY**

Northern Quebec

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Table of Contents

1.0	Summary
2.0	Introduction
3.0	Location and Access
4.0	Land Status
5.0	Community
6.0	Geological Setting
7.0	Previous Work
8.0	Work
8.1	2000-2001 Geophysical Programs
8.1.1	Airborne Magnetic Survey
8.1.1.1	Survey Area
8.1.1.2	Equipment Specifications
8.1.1.3	Survey Specifications
8.1.1.4	Results and Data Interpretation
8.1.2	Airborne EM Survey
8.1.2.1	Survey Area
8.1.2.2	Equipment Specifications
8.1.2.3	Survey Specifications
8.1.2.4	Results and Data Interpretation
8.1.3	Ground EM Survey
8.1.3.1	Survey Area
8.1.3.2	Equipment Specifications
8.1.3.3	Survey Specifications
8.1.3.4	Results and Data Interpretation
8.1.4	Downhole Electromagnetics
8.1.5	Ground Gravity Survey
8.1.5.1	Survey Area
8.1.5.2	Equipment Specifications
8.1.5.3	Survey Specifications
8.1.5.4	Results and Data Interpretation
8.1.6	Petrophysics Survey
8.2	2001 Diamond Drilling Program
8.2.1	Diamond Drill Hole Description
8.2.2	Geochemical Analysis of DDH Samples
8.3	2001 Geochemical Sampling Programs
8.3.1	Mineralization
8.3.2	Lithochemical Sampling Program
8.3.2.1	Methodology
8.3.2.2	Results
8.3.3	Soil Sampling Program
8.3.3.1	Methodology
8.3.3.2	Results
8.3.4	Humus Sampling Program
8.3.4.1	Methodology
8.3.4.2	Results
8.3.5	Stream Sediment Sampling Program
8.3.5.1	Methodology
8.3.5.1	Results

Table of Contents (cont.)

8.3.6	Heavy Mineral Concentrate Sampling Program
8.3.6.1	Methodology
8.3.6.2	Results
8.3.7	Exploration Water Sampling Program
8.3.7.1	Methodology
8.3.7.2	Results
8.4	2001 Geological Prospecting and Mapping
8.4.1	Methodology
8.4.2	Results
9.0	Environmental
10.0	Conclusions
11.0	Recommendations
12.0	References

List of Figures

Figure 1:	Location of the Quebec 7 Project Area
Figure 2:	Land Status, Quebec 7 Project
Figure 3:	Quebec/Labrador Regional Geologic Map
Figure 4:	Quebec 7 Geologic Map
Figure 5:	Quebec 7 Geophysical Surveys
Figure 6:	Airborne EM Survey Block Location
Figure 7:	Max Min Survey Location
Figure 8:	Protem Survey Location
Figure 9:	2001 Geochemical Sample Locations
Figure 10:	Anomalous Cu in Soil and Rock Chip
Figure 11:	Anomalous Pd in Soil and Rock Chip
Figure 12:	Anomalous Cu in Soil and Rock Chip

List of Tables

Table 1:	2001 Field Program Summary
Table 2:	Community Contact Meetings
Table 3:	Airborne EM Program
Table 4:	Protem Survey Program
Table 5:	WMC Quebec 7 GPS Control Points Used in Gravity Survey
Table 6:	Summary of Drill Program
Table 7:	Significant Drill Intersections
Table 8:	Summary of Prospects

List of Maps in Pocket

Map 1:	Geology Map, Property Scale
Map 2:	Aeromagnetic Survey Flight Path Plot
Map 3:	Aeromagnetic Survey TMI Contour Plot
Map 4:	Airborne EM Survey Flight Path Plot
Map 5:	Airborne EM Survey Contour Plot
Map 6:	Bouguer Gravity Grid and Station Locations
Map 7:	Geochemical Sampling Location Map

List of Appendices

- Appendix 1: Certificates of Qualifications
- Appendix 2: Summary of Expenditures
- Appendix 3: Land Status
- Appendix 4a: Aeromagnetic Survey Logistics Report and Digital Data
- Appendix 4b: Airborne EM Survey Logistics Report
- Appendix 4c: UTEM Survey Logistics Report
- Appendix 4d: MaxMin Survey Profile Plots
- Appendix 4e: Protem Survey Profile Plots
- Appendix 4f: Petrophysical Measurements
- Appendix 5: Results of Diamond Drilling
- Appendix 5a: Explanation of Abbreviations Used in Drill Logs
- Appendix 5b: Drill Logs
- Appendix 5c: DDH Geochemical Analysis Certificates
- Appendix 6: Results of Lithochemical Survey
- Appendix 6a: Lithochemical Sample Descriptions
- Appendix 6b: Lithochemical Analysis Certificates
- Appendix 7: Results of Soil and Humus Surveys
- Appendix 7a: Soil Sample Descriptions
- Appendix 7b: Soil Analysis Certificates
- Appendix 7c: Humus Analysis Certificates
- Appendix 8: Stream Sediment and HMC Survey
- Appendix 8a: Stream Sediment and HMC Sample Descriptions
- Appendix 8b: Stream Sediment Analysis Certificates
- Appendix 8c: HMC Analysis Certificates
- Appendix 9: Results of Exploration Water Survey
- Appendix 9a: Exploration Water Sample Descriptions
- Appendix 9b: Exploration Water Analysis Certificates
- Appendix 10: Results of Environmental Baseline Water Survey
- Appendix 10a: Environmental Baseline Water Sample Descriptions
- Appendix 10b: Environmental Baseline Water Analysis Certificates

1.0 Summary

The Quebec – 7 Project is a 100% WMC International Ltd grassroots exploration project located in the Nunavik region of northern Quebec between the towns of Kuujuaq, Kangirsualujuaq and Schefferville. The Project covers approximately 13,514 km² and consists of 36 exploration licences and 3 claim blocks (the latter containing 1050 claims).

Work completed over the project area has included: geological prospecting and mapping, airborne magnetics and airborne electromagnetics (AEM), ground geophysical surveys such as gravity, surface electromagnetics (EM) including both Max Min and UTEM surveys, surface geochemical surveys such as stream sediments, soils and humus. Other work included 9 diamond drill holes and downhole EM was conducted on each of these holes. The ground field program was commenced in April, 2001. The summary of work completed is given as Table 1.

Type of Survey	Quantity	Dates of survey
Airborne Magnetics	62,620 line km	October, 2000 - February, 2001
Airborne EM	41,320 line km	March – August, 2001
Gravity	2,583 stations	July – August, 2001
Ground EM	108.25	March – August, 2001
Geological mapping and rockchip sampling	113 samples	August, 2001
Stream Sediment Sampling	29 samples	July, 2001
Heavy Mineral Concentrate Samples	6 samples	July, 2001
Soils Sampling	837 samples	July-August, 2001
Humus Sampling	136 samples	July, 2001
Drilling	9 holes, 3040 meters	April, July, 2001
Water Sampling	47 samples	April, August 2001

Outcropping Ni/Cu/PGE sulphide mineralization has been identified in a number of areas within the project area and the surveys mentioned above were concentrated on locating economic concentrations of Ni, Cu and PGEs. The results of the work mentioned above is summarised below:

Geology

WMC targeted the region in early 2000 as having potential to host significant accumulations of Ni/Cu mineralization based on internal conceptual models and regional government surveys. Early in the field verification phase of the program it was confirmed that this potential could be realised and subsequently lead to the acquisition of large tracts of ground.

Other than the mineralization identified during the 2000 summer exploration campaign at Papavoine, Baleine, Marraliup and Bonne Une, additional Ni/Cu/Co/PGE gossans (or mineralized positions) were discovered at a number of other locations: A14E, A14W, A17-1 and Libby's gossan areas. These areas are covered in more detail in section 8.4.2.

Geophysics

A 62,600 line km aeromagnetic survey was completed in January 2001 by SIAL Geosciences. Following this, airborne EM was flown over areas selected based on interpretation of the airmagnetics. The airborne EM was flown in 3 phases totalling 41,320 line km. This survey identified over 220 AEM anomalies.

Ground geophysics follow up consisted of surface and down hole EM surveys and ground gravity surveys over airborne EM anomalies. Samples from selected drill core were also analysed for various petrophysical parameters to assist reconciliation of anomalies.

Geochemistry

A number of surface geochemical surveys were conducted over the project area including stream sediment (and HMC), soil, humus, water and rockchip sampling as outline in the table above. These surveys were designed to help test and prioritise the conductors identified from the AEM survey.

2.0 Introduction

This report summarizes the results and costs associated with the 2000-2001 exploration program on the Quebec 7 Project (100% WMC). The work included geological mapping, prospecting, till, soil, humus and stream sediment sampling, airborne and ground geophysics, diamond drilling and sample analyses. These surveys were designed to detect new mineralized zones and follow-up Ni/Cu/Co/PGE mineralization identified during the 2000 summer exploration activities conducted over the area on open ground.

The area is remote and little or no recorded historical exploration has been conducted in the area. As a result of the area being so remote the expense of working in the project has been very high. The total related costs over the project during the reporting period is \$568,978 CAN.

Due to the project consisting of 36 exploration licences this report details the exploration work over all of these. The costs relating to each of these licences are separated and are found in Appendix 2.

3.0 Location and Access

The Quebec7 project area (Figure 1) is located due south of Ungava Bay in the Inuit Region of Quebec (Canada) referred to as Nunavik. The major town of Nunavik, and administrative center is Kuujjuaq, situated on the Koksoak River approximately 50km upstream from Ungava Bay (Figure 1). Kuujjuaq is serviced by daily flights from Montreal and has a population of approximately 1,800. During the summer months (June to September) most of the larger bulky freight and fuel is transported by sea-lift to the town.

4.0 Land status

Figure 2 illustrates the location and the forms of tenure that comprise the Quebec 7 Project. The property consists of 36 mining exploration licences and 1,051 map designated claims, totalling approximately 13,514 km². Appendix 3 contains detailed information on each tenement.

5.0 Community

The Quebec 7 Project recognises the importance of the natural environment to the economic, social, and cultural well being of the communities in the exploration area and so the environmental protection efforts of the Project are an important part of the Project's overall community relations effort.

Community Consultations

WMC International Limited policy requires that communities in or near lands under exploration be advised of our interests and kept informed of Project activities. Initial meetings to advise stakeholders in Kuujjuaq of WMC interests and activities were held before mineral rights were issued by the Government of Quebec. These meetings have continued throughout the first year of the Quebec 7 Project. On review of land use interests in the region, specifically north of 55 degrees, the consultation effort was expanded to include the communities of Schefferville and Kawawachikamack. Consultations in these communities were held as follows in Table 2.

2000	Location	Parties participating
26-Sep	Kuujjuaq	Kuujjuaq Landholding Corporation, Makivik, Municipality of Kuujjuaq, Kativiq Regional Government (KRG)
15 - 17 December	Schefferville	Director-General, Naskapi Nation of Kawawachikamack
2001		
7-Mar	Kuujjuaq	Kuujjuaq Landholding Corp., Makivik, KRG, Hunters and Trappers Committee, Nunavik Mineral Exploration Fund
8-Mar	Schefferville & Kawawachikamack	interested citizens in Schefferville; chief and deputy in Kawawa
11-Jun	Schefferville & Kawawachikamack	interested citizens in Schefferville; chief and deputy in Kawawa
12-Jun	Kuujjuaq	Kuujjuaq Landholding Corp.; Makivik, KRG, Hunters and Trappers Committee

The consultation effort with the Inuit included a visit to the field camp by an elder accompanied by a member of the Kuujjuaq Hunters and Trappers Committee. During this visit the cultural importance and value of the land was reviewed with the field crew assembled, before the spring drilling program got underway.

In the most recent consultation in Kuujjuaq (June 12, 2001) it was learned that the lands under exploration permit include lands traditionally used by Kangiqsualujjuaq and so an undertaking has been made to include it in the next consultation visit to the region. Project status reports and Project work plans have been prepared and translated for distribution in the communities as appropriate. Efforts to engage the interest and participation of the Montagnais of Schefferville in these consultations have failed to date, but will continue.

The purposes of the consultations are to inform the communities of land use activities on their traditional harvesting territories, advise local businesses and workers of the Project needs and so engage local business and workers in providing goods and services to the Project. The cooperation and support received from persons and agencies in Kuujuaq, Schefferville, and Kawawachikamack is acknowledged with appreciation and gratitude. A summary of the value for economic participation by the region and the province will be included in the Project Status Report to be released in time for the next community visits planned for November 2001.

6.0 Geological Setting

The Quebec 7 Project area lies to the east of the Labrador Trough or New Quebec Origin in the region recognized as part of the Rae Archaean Domain. The region has been mapped by the GSC as consisting of multiply deformed gneissic units and a variably deformed granitoid intrusive (De Pas Batholith) (Figure 3). The gneissic units consist primarily of quartzofelspathic paragneiss with varying amounts of biotite, sillimanite, magnetite, graphite and amphibole. More rarely, within the basement gneiss there are metamorphosed amphibolite and ultramafic units. Both of these latter more mafic units are interpreted to part of the basement lithologies. These basement rocktypes have undergone high grade regional metamorphism from upper amphibolite to granulite facies metamorphism.

Intruding the basement lithologies are undeformed mafic intrusions being troctolite to granodiorite in composition. These mafic intrusions host the Ni/Cu/Co/PGE mineralization targeted. Many outcrops of the mafic intrusions have been located in the Whale River valley. The distribution of mafic intrusions mapped are shown in Figure 4.

Structurally the area is dominated by NNW-trending features that parallel the Labrador Trough. Two of these major structures are known as the George River shear Zone (RGSZ) and the Lac Tudor shear zone (LTSZ), Figure 3.

7.0 Previous work (non WMC)

Geology

Assessment report data shows that no drilling or reports have been filed for exploration over the Quebec 7 Project area prior to WMC's year 2000 summer program. Discussions with government geologists indicated that the area had received very little exploration attention in the past due to the remoteness of the area and perceived lack of prospectivity.

The published GSC geology at 250k scale is the only systematic geological assessment of the area shows the area has been historically regarded as the Rae (Churchill) Archaean Domain, consisting primarily of basement gneisses, migmatites and granitoid intrusions

Geochemistry

The area has been covered by a lake sediment sampling program (1 sample/15-20km²). This survey was part of a regional study by Geologie Quebec government in 1995 that covered the project area.

Geophysics

Regional GSC magnetic data at approximately 1.6km line spacing and gravity at 12-15km is available over the project area. Indications are that no other surveys have been conducted over the area due to the perceived lack of prospectivity of the region.

Previous Work By WMC

Prior to the granting of any exploration licences, WMC conducted on open ground geological mapping, prospecting and HMC stream sediment sampling over much of the project area. This work was done from late July 2000 to late September 2000 and identified previously unrecorded mafic sill-like intrusions scattered over a dominantly glacial till covered area in excess of 10,000sq km. These intrusions commonly contain traces of magmatic sulphides and at three locations Papavoine, Baleine and Bonne Une, basal contact blebby to matrix sulphides (Po-Pn-Cpy) were identified. The best grades to date come from a rockchip containing 1.2% Ni, 0.5% Cu, 617 ppm Co with elevated PGE's hosted by a breccia on the basal contact of a leuco-troctolite with felsic migmatite/gneiss at the Papavoine Prospect. On the basis of the information gained from the abovementioned ground surveys, areas of leasing were applied for that now comprise the Quebec - 7 project (Figure 2).

As this previous work by WMC was done on open ground prior to the granting of the exploration licences it is understood that the data associated with this work is not required to be submitted. Costs associated with the 2000 field program are also not included within this report.

8.0 Work by WMC

8.1 2000-2001 Geophysical Programs

A 62,600 line km aeromagnetic survey was completed in January 2001 by SIAL Geosciences. Following this a total of 41,320 Line kms of airborne EM was flown over areas selected based on interpretation of the aeromagnetics. The airborne EM was flown in 3 phases. The first was based in Kuujuaq and 15,078 line km were flown. The base of operations was then moved to Schefferville and the southern area of 6,546 line km were flown. Then the base of operations were moved back to Kuujuaq and another 19,696 line kms of data were flown.

Ground geophysics follow up consisted of surface and downhole EM surveys and ground gravity surveys over airborne EM anomalies. Samples from selected drill core were also analysed for various petrophysical parameters to assist reconciliation of anomalies.

The outline of all geophysical surveys is given as Figure 5.

8.1.1 Airborne Magnetic Survey

The primary aim of the aeromagnetic survey was to aid geologic mapping. The survey started on October 25th 2000 and was completed on January 30th 2001. The survey was completed by SIAL Geosciences (now part of the FUGRO empire). A total of 62,620 line km of airborne survey was flown on traverse lines oriented 070, with a spacing of 400m and a nominal ground clearance of 100m. Tie lines at 4000m spacing were flown perpendicular to the flight lines.

8.1.1.1 Survey Area

The area of the aeromagnetic survey extends 280km SSE from Ungava Bay in Northern Quebec to just east of Schefferville. The survey area is encased in a polygon with the following vertices in UTM19 NAD27 coordinates.

Num. of Points: 17
 540328E, 6468825N
 551048E, 6472514N
 552947E, 6465200N
 573179E, 6460295N
 646145E, 6487268N
 677152E, 6431132N
 691179E, 6355273N

730407E, 6222841N
 710234E, 6215925N
 674270E, 6263531N
 644992E, 6270217N
 620094E, 6307794N
 635194E, 6313788N
 634042E, 6318975N
 604072E, 6352173N
 592314E, 6347447N
 554391E, 6401508N

A flight path plot for the magnetic survey is included as Map 2.

8.1.1.2 Equipment Specifications

Full details of the aeromagnetic survey equipment specifications are given in Appendix 4a.

8.1.1.3 Survey Specifications

Full details of the aeromagnetic survey specifications are given in Appendix 4a.

8.1.1.4 Results and Data Interpretation

The digital data is available in Appendix 4a and a contour plan of the aeromagnetic data is included in Map 3.

8.1.2 Airborne EM Survey

A large Airborne EM survey was flown over the project area between March and August 2001. The aim of the Airborne EM (AEM) survey was to locate conductive base metal sulphides. It was flown by Fugro Airborne Surveys Corporation, in three phases:

Table 3 Airborne EM Program

Survey	from	to	Survey Base	Line Km
Phase 1	2 March 2001	6 April 2001	Kuujuuaq	15,078
Phase 2	8 April 2001	26 April 2001	Schefferville	6,546
Phase 3	1 July 2001	21 August 2001	Kuujuuaq	19,696

The first phase involved flying blocks 1 to 6 based out of Kuujuaq. Phase two involved moving the operations base to Schefferville and flying two blocks. Phase three then moved back to the Kuujuaq base and blocks 7 to 13 were flown. The details of the line spacing and direction for each of these blocks is included in Appendix 4B. A total of 41,320 line km were flown with a nominal flight height of 120m.

8.1.2.1 Survey Area

The survey area flown is bounded by latitudes 54°58'N to 58°20'N and longitudes 64°59'W and 68°17'W. The individual blocks flown are shown on Figure 5, and the flight path plot for the AEM survey is included as Map 4.

8.1.2.2 Equipment Specifications

The equipment specifications for the AEM survey are included in Appendix 4b.

8.1.2.3 Survey Specifications

The survey specifications and logistics for the AEM survey are included in Appendix 4b.

8.1.2.4 Results and Data Interpretation

The digital data is available in Appendix 4b and a contour plan of the AEM data is included in Map 5.

8.1.3 Ground EM Survey

A ground EM fixed loop UTEM survey commenced on 27th March 2001 at Papavoine Hill to better define the conductors identified from airborne EM surveying, and to assist with the siting of drill holes. The survey was conducted by Lamontagne Geophysics. A total of 55.85 line km were collected.

A moving loop EM survey was completed by Abitibi Geophysics during June 2001 using Max Min horizontal loop frequency domain EM. The surveying was not done on detailed grids but on single isolated traverses over individual airborne EM (AEM) anomalies. The aim of the survey was to quickly ground locate the regional AEM anomalies and better determine their depth, dip and conductivity. A total of 35.6 line km were collected.

During August 2001, 9 additional lines of moving loop Protem and one fixed loop survey were completed by Discovery Geophysics Ltd. Surveying was done over five AEM anomalies which had coincident gravity or geochemical anomalies, to accurately locate and better define the source conductors. A total of 16.8 line km was collected.

8.1.3.1 Survey Area

The UTEM survey was confined to an area bounded by:

644000E 6322000N	653000E 6338000N
644000E 6338000N	644000E 6322000N

Within this area more detailed surveying was completed in some areas. A full description of the location of the UTEM survey is given in Appendix 4c.

The location of the MaxMin traverses is shown in Figure 7.

The Protem moving loop lines were placed over individual AEM anomalies, and at various orientations. Figure 8 shows the location of the Protem moving loop and fixed loop survey lines.

8.1.3.2 Equipment Specifications

A full description of the UTEM equipment specifications is given in Appendix 4c.

The Max Min Survey was completed with a standard Apex Max Min 1. The coil separation and frequencies chosen were based on the local ground conditions and are listed in the data files.

The Protem surveys were completed with a Geonics Protem receiver and EM57 transmitter, together with a 100 x 100m transmitter loop. The surveys were collected with either 30Hz or 7.5Hz as tabulated below:

Table 4 Protem Survey Program

<i>Survey Type</i>	<i>Survey Area</i>	<i>Frequency</i>	<i>Channels</i>	<i>Current</i>
Moving loop	A1-2	7.5 Hz	30 (27.9ms)	12
Moving Loop	A8-1	30 Hz	20 (6.9ms)	12
Fixed Loop	A8-1	30 Hz	20	12
Moving Loop	A11-1	7.5 Hz	30	12
Moving Loop	A17-1	7.5	30	12
Moving Loop	Block 12	7.5	30	12

8.1.3.3 Survey Specifications

The survey specifications for the UTEM surveys are provided in Appendix 4C.

The Max Min survey lines were flagged at 25m intervals using a GPS to establish start and end point and then chaining with a measuring tape was used to locate individual stations. In general the topography was very gentle and no slope corrections were made to the data.

The Protem survey lines were also flagged in using differential GPS navigation. Station spacing was between 25m and 50m along the lines.

8.1.3.4 Results and Data Interpretation

Profiles of all the Max Min profiles are shown in Appendix 4d. Plots of all the Protem profiles are included in Appendix 4c.

The data from the UTEM surveys (both surface and downhole) are plotted in Appendix 4C. The interpretation of the UTEM data is as follows.

Lamontagne Geophysics were contracted to complete a fixed loop survey and numerous DHEM surveys over the Papavoine Hill prospect. Refer to Appendix 4c for the location of the UTEM surface EM transmitter loops, survey stations and the location of the DHEM transmitter loops. A number of TEM anomalies were identified in the survey area. Described below are interpretations of the surface EM and down hole EM anomalies.

Anomaly 1 Loop 1

Surface TEM

Nearly all lines surveyed contain a broad anomaly typically 700 to 1000m wide. This anomaly is visible at early and middle times, and generally not visible at latest times. The anomaly was modelled using a large flat dipping plate with low conductance (typically less than 100S). This low value of conductance suggests that the source is unlikely to be matrix or massive sulphides. Drill holes QPD01005 and QPD01002 were drilled to target this anomaly. The results in these drill holes were encouraging, but were not economic intersections.

DHEM Log QPD01002

A zone of massive and semi-massive sulphides occurs in QPD01002 between 118.83m to 119.58m. A "pull down" in the amplitude of the DHEM response occurs in the early to middle time channels at 118m. A quantitative model is not possible from the DHEM log, because of the weak EM response. This suggests that the zone of massive sulphide is likely to be a small lens, with limited strike and depth extent.

DHEM Log QPD01005

Drill hole QPD01005 did not intersect any massive or matrix sulphides. A down hole EM log was completed on the drill hole. The DHEM response is flat.

Anomaly 2 Loop 1

Surface TEM

Two anomalies are visible on lines 6329400mN and 6329600mN. A small short wavelength anomaly (Line 6329400mN, 651650mE-652000mE) is superimposed on a larger, broader anomaly (Anomaly 1, Line 6329400mN, 651150mE-652000mE). Drill holes QPD01001 and QPD01004 were drilled targeting the short wavelength anomaly. A graphitic paragneiss was intersected in both instances.

The transmitter waveform used for these two lines was a 30Hz triangular waveform. In order to better discriminate the smaller more conductive anomalies lower frequency waveforms (e.g 4Hz waveform) were used for all lines north of and including 6329800mN.

DHEM Log QPD01001

An early to middle time in-hole anomaly occurs in the DHEM log at 70m. This anomaly is in a position coincident with a mineralized zone occurring at 67.15m to 89m (0.5% to 7% pyrrhotite). The DHEM response is too weak to quantitatively model.

An off-hole anomaly occurs in the DHEM log at 115m. The DHEM anomaly is coincident with the footwall contact. The foot wall rock consists dominantly of graphitic gneiss. Therefore the off hole anomaly is likely to be the graphitic paragneiss intersected in the drill hole.

DHEM Log QPD01004

A late time off-hole anomaly occurs in the DHEM log at 125m. The off hole response is better observed in the loop 2 data. An early to middle time in-hole anomaly occurs at 130m. It would appear that the eddy currents set up in the conductor migrate to the more conductive part of the body at late times. Hence, the in-hole anomaly at early to middle times, and the off-hole anomaly at late times.

The DHEM anomalies are in a position consistent with semi-massive and massive pyrrhotite intermixed with graphite.

Anomaly 3 Loop 1

Surface EM

A strong anomaly is visible in the late time data (ch8-9) along lines 6330400mN and 6330600mN. An analysis of the two lines simultaneously suggests that the conductive body is deep and striking in a NW-SE direction. For modelling purposes a N-S plate was used. The modelled plate conductance (>4000S) was 1-2 orders of magnitude greater, than the conductance of other plates modelled in the area. This would suggest that the source of the response is massive sulphides.

The response is attenuated in the lines to the north (Line 6330800mN) due possibly to,

- (i) A shallow conductor (Line 6330800mN, 650050mE-650350mE), which masks the response of the deeper conductor.

- (ii) The increased distance from the transmitter loop (Loop 1). The transmitter loop is approximately 2.5km from where the conductor would be located.
- (iii) An interpreted NE-SW sinistral fault through middle of line 6330800mN.

Drill hole QPD01007 targeted the surface EM model. This hole has the most encouraging results to date, with a thick zone of mineralization intersected. The intersection was consistent with the modelled plate depth. The sulphides were blebby throughout the host rock. Samples will be taken of the core and sent off for physical property measurements to determine the conductivity of the rock.

DHEM Log QPD01007

A late time in-hole anomaly is visible in the loop 1 DHEM log at 340m. The anomaly is in a position coincident with the footwall contact. Localised concentrations of blotchy sulphides occur between 342.25m and 447.0m.

A late time off hole anomaly is visible in loops 2 and 3 at 340m. The off hole response is stronger in loop 2. The final DHEM model for QPD01007 consists of 2 plates, one intersecting the hole, and the other off the hole to the west.

Anomaly 4

Surface TEM

A strong shallow anomaly is visible between 650050mE and 650350mE along line 6330800mN. In order to better define the anomaly, data were collected using loop 4. Drill hole QPD01003 targeted the subsequent surface EM model. A graphitic paragneiss was intersected between 25.41m and 46.88m.

QPD01003 DHEM Log

Drill hole QPD01003 was continued to 560m to test the troctolite-paragneiss contact. A DHEM survey was completed on the hole. An off hole anomaly occurs at 550m. The modelled DHEM plate appears to be a continuation along strike, of the modelled surface EM plates determined for lines 6330200mN and 6330400mN.

An in hole anomaly occurs at 45m. This is the response of the graphitic paragneiss.

The Protem lines that were carried out, confirmed the presence of a subsurface conductor at each of the 5 survey locations. This information will be using together with the other geological and geochemical data to evaluate the prospectivity of these targets.

8.1.4 Downhole Electromagnetics

All drillholes were logged with DHEM on the completion of drilling. Holes QPD01001 to QPD01007 were logged by Lamontagne Geophysics using the UTEM system described above in 8.1.3. The survey specifications and loop locations are described in Appendix 4C. The interpretation is included above in section 8.1.3.4.

Drillholes QPD01008 and QPD01009 were logged by Discovery Geophysics using the Protem system. The Geonics Protem receiver and EM57 transmitter were used, with a frequency of 30Hz and recording 20 channels. Two transmitter loops measuring 250m x 300m were used. For hole QPD01008, loop C was centered on the hole collar and loop E situated to the east of the hole. For hole QPD01009, loop C was centered on the hole collar, and loop W situated to the

west of the hole. A three component Geonics probe was used to record the X, Y and Z components down the hole.

Plots of the DHEM profiles are included in Appendix 4e. DHEM data from hole QPD01008 indicates a small offhole anomaly with source conductor located up dip from the drillhole. Hole QPD01009 intersected graphite with minor sulphides, and the DHEM indicates an in to offhole anomaly associated with the intersected conductor.

8.1.5 Ground Gravity Survey

Discovery Geophysics undertook a ground gravity survey in July and August 2001. The aim of the survey was to collect gravity profiles over the main AEM anomalies of interest to help distinguish between graphite and mafic-hosted sulphides.

8.1.4.1 Survey Area

The gravity data was collected as three survey areas, Block 1, Block 12, and as several discrete lines over AEM anomalies. Map 6 shows the gravity data station locations.

8.1.4.2 Equipment Specifications

The gravity survey was completed using 2 Lacoste and Romberg gravity meters, G747 and G743 owned by WMC. The elevations were surveyed using an Ashtec Z-Surveyor RTK differential GPS system. Base stations were established on prominent hills and all gravity readings and elevations were tied to the gravity base-station at Kuujuaq Airport. Details of the gravity base stations are tabulated below:

8.1.4.3 Survey Specifications

A total of 2581 gravity stations were collected over selected AEM anomalies, on irregularly spaced traverses, with either 500m or 100m station intervals. Station locations were recorded by GPS navigation in NAD27 UTM19 coordinates. The dip of the local topography was recorded at each station to enable a terrain correction to be made to the data. On processing the data, the effects of topography were observed to be very minor.

8.1.4.4 Results and Data Interpretation

The Bouguer anomaly gravity data is shown in Map 6.

Table 5 WMC Quebec 7 GPS Control Points Used in Gravity Survey

GPS Bases	Northing	Easting	Elev.	Description
				Gravity Base Station at Whale River
Camp	6,312,032.28	646,135.90	202.977	Camp
A	6,304,825.74	672,649.00	410.562	SE of B
B	6,313,590.20	667,324.18	401.327	SE of C
C	6,322,651.39	661,476.57	385.359	SE of D
D	6,329,840.00	652,282.00	384.827	GPS base on Papavoine Hill
E	6,340,602.00	648,369.64	325.345	NW of D
F	6,346,181.95	639,842.59	326.917	NW of E
G	6,319,284.13	648,418.46	324.807	Between D and Camp, Line 10
H	6,356,882.67	630,621.03	317.642	N of F
I	6,368,327.06	622,946.86	281.365	N of H
J	6,376,355.33	615,448.55	259.464	N of I
K	6,385,369.45	609,055.85	200.890	N of J
EA	6,350,768.26	651,415.25	330.902	N of E
EB	6,358,091.81	652,692.30	347.981	N of EA
EC	6,362,744.50	664,912.25	366.996	NE of EC
L	6,398,790.95	611,877.45	216.922	N of K
M	6,409,210.36	620,072.40	218.978	N of L
N	6,421,246.96	624,897.45	163.272	N of M
O	6,429,094.80	612,969.54	169.717	N of N
P	6,436,218.56	604,406.69	155.995	N of O
Q	6,449,508.76	602,686.74	96.214	N of P
R	6,459,803.37	605,994.14	100.219	N of Q
S	6,452,581.76	623,340.52	162.437	W of R
T	6,448,698.50	587,524.30	105.609	W of Q
U	6,445,763.90	573,463.75	79.137	W of T
V	6,440,431.68	561,565.50	136.927	W of U
W	6,441,892.78	547,885.18	83.672	W of V

8.1.6 Petrophysics Survey

Don Emerson was contracted to provide petrophysical analysis of selected core samples from holes QPD01001 and QPD01004. The aim of the analysis was to provide reconciliation of the EM conductors which had been drill targeted in these holes and to provide a better understanding of the gravity and magnetic data.

The petrophysical measurements are provided in Appendix 4f.

8.2 2001 Diamond Drilling Program

The WMC drill program ran in two parts between April 14 and May 7, and June 30- July 7. Table 2 shows that 3040 meters were drilled over nine holes. The drilling contractor was Boart Longyear from Val d'Or, Quebec. Two Boart Longyear LF70 heliportable diamond core rigs were used for drilling. Drill rigs, support equipment and consumables were first mobilized by road to Sept Isles, then via train from Sept Isles to Schefferville, then via Single Otter charter aircraft from Schefferville to Lac Papavoine. Once at Lac Papavoine the equipment was slung by helicopter (an A Star BA model helicopter, contracted from Canadian Helicopters from Montée Pilon les Cedres) to the drill locations and the staging area at the core shack. Fuel used for drilling, helicopter and camp, was purchased in Kuujuaq and flown either to Lac Papavoine or Whale river lodge in Single and Twin Otter aircraft. NQ2" sized core was drilled using Boart Longyear series 7 bits. Water was used as a circulating fluid. No permafrost was encountered and full fluid circulation was maintained on all holes while drilling. The holes were surveyed using a Maxibor non-magnetic light reflection instrument.

The drill program was managed by the WMC drilling adviser in conjunction with the project manager. The first drill program was crewed with 9 Boart Longyear personnel consisting of 1 drill foreman and 4x2 person drill crews, which enabled both drill rigs to operate on a double shift basis simultaneously. The second drill program, was crewed with 6 Boart Longyear personnel, consisting of 1 drill foreman, 1 foreman's helper and 2x2 person drill crews, enabling one drill rig to be operated on a double shift basis while the other drill rig was being moved by the foreman and helper.

Hole Number	Collar Information				Total Depth
	Easting	Northing	Azimuth	Inclination	
QPD01001	651947.74	6329593.05	272	-60	216
QPD01002	652110.18	6330393.45	90	-61	213
QPD01003	650250.27	6330793.06	270	-76	583
QPD01004	651843.03	6329373.23	90	-80	215
QPD01005	651497.52	6330392.04	90	-80	372
QPD01006	651202.17	6323995.05	221	-45	179
QPD01007	650859.81	6330400.65	90	-80	447
QPD01008	650216.47	6330998.30	90	-80	648
QPD01009	667306.33	6314193.47	270	-80	183

Core logging was conducted in a 16x14 Jutland heated, insulated tent with a plywood shack constructed for core cutting. Core racks were made of 2"x4" lumber flown to site with the other equipment. All sludge from the core saw has been removed and transported to the rubbish facilities at Schefferville and Kuujuaq. The core shack was located on the edge of Papavoine Lake, so as to be convenient for loading and unloading aircraft landing on the lake. The core logging crew consisted of the following personnel:

- 2 WMC Geologists for logging
- 1 Geotechnician for core cutting and sample control
- 2 local personnel hired for stacking core boxes, marking, sampling and assisting Geologists.
- WMC Drilling adviser coordinating drilling from Core Shack

WMC utilized several environmental initiatives during the drilling program, and had produced a Project environmental management system prior to work. Absorbent spill kits were kept at the drill rigs, core shack and fuel caches, and oil absorbent placed under rig engines and pumps. Drill holes were plugged with safety plugs and cemented at the base of the cover till. Water sampling program was conducted in water-sheds of drilling areas prior to drilling.

Safety initiatives utilized during the drilling program were:

- Risk hazard analysis conducted using the WMC Drilling and Field operations risk matrix.
- FM radio and satellite telephone network utilized.
- Project environment, Health and Safety plan formulated.
- Standard operating procedures developed for helicopter, missing and injured persons.
- Arctic Survival, firearms, fuel spill recovery and bear safety training for Key WMC Staff.
- Cross cultural training for all site staff.
- Induction training into Project procedures, and rules.
- Planned inspections of drill rigs conducted on a monthly basis.
- One-Day Safety Time Out.
- Behavioural based Safety observation by Boart Longyear Safety Manager.
- Weekly safety meetings conducted with all project site personnel.
- Trauma and personal first aid kits maintained on site.
- All aviation contractors audited by an external auditor prior to use.

8.2.1 Diamond Drill Hole Descriptions

The drill holes are summarized in the text below. For greater detail, refer to Appendix 5b.

QPD01 001

QPD01001 was drilled to intersect a sub vertical conductor at 130 m, and a flat lying conductor at 300 m. These conductors were modelled from the ground UTEM survey. Collared in olivine gabbro norite, this rock type (ortho/clino - pyroxene, olivine, plagioclase) dominated the down hole stratigraphy until the footwall. To a lesser extent, troctolite, pegmatitic olivine gabbro norite, leucocratic olivine gabbro norite, anorthosite and mixed units of mafic igneous rock and graphitic paragneiss were intersected within this package of mafic igneous rock. The dominant mineralized zones were from 2.8 to 13.25 m (3-5% pyrrhotite), 22.4 to 41.7 m (0.5 to 2 % pyrrhotite), 51.55 to 67.15 m (0.5 to 3% pyrrhotite), 67.15 to 89 m (0.5 to 7 % pyrrhotite), 89 to 99 m (0.5 to 2 % pyrrhotite), and 112.95 to 114.2 m (0.5 to 3% pyrrhotite), with some of the best zones of mineralization occurring within graphitic paragneiss partially digested by the mafic igneous rock. Chalcopyrite was commonly associated with the pyrrhotite in a ratio of approximately 1:10. The footwall contact was encountered at approximately 115.5 m. Leading up to the footwall contact, the complexity of the rocks increased. Increased digestion of country rock into the mafic igneous rock may have been partly responsible for this complexity. The footwall units consisted dominantly of graphitic paragneiss intermixed with granite, and local cross cutting diabase dykes.

The local and down hole geology suggests that this hole intersected the margins/flank of a large mineralized mafic sill-like intrusion.

DHEM conducted on the hole confirmed that the hole failed to intersect significant conductive rocktypes. A graphitic zone (within mafic intrusive rock) at approximately 80m downhole depth gave a weak inhole response but was interpreted not to be the source of the vertical conductive component. Further interpretation of this borehole data, surface UTEM and AEM indicates that the conductive body is in fact flat lying and that this hole missed the conductor by approximately 200m. This large, flat conductive body is now interpreted to occur to the south of this hole, at a depth of 90m.

QPD01 002

QPD01002 was drilled to test a weak-moderate surface EM conductor (200 siemen/metre) down dip from Ni/Cu mineralization, which was identified in outcrop during 2000. The hole was collared in homogeneous troctolite, which continued unabated until the lower contact of the sill was approached. In the final 27 m of the sill (from 86.55 m to 113.7 m) the rock type alternated from olivine norite to a serpentinitic intrusive ultramafic rock. Footwall rock, consisting of hornfels gneiss, was intersected from 113.7 to 139.75 m. From 139.75 m until the bottom of the hole at 213 m, the rock consisted essentially of biotite/graphite/garnet bearing paragneiss, granitic gneiss, and granite.

First mineralization was identified at 86.55 m to 95.60 (0.5% pyrrhotite). Significant mineralization (0.5 to 6 % sulfide - dominantly pyrrhotite) was identified in mafic igneous rock and hornfels gneiss from 101.95 until 118.83 m. A zone of massive and semi-massive sulfide (30 to 70% - dominantly pyrrhotite with lesser chalcopyrite and pentlandite) occurred at 118.83 to 119.58 m. The footwall hornfels gneiss beneath this zone proved particularly interesting. 0.5% to 5% blebby and disseminated sulfides (dominantly consisting of pentlandite and chalcopyrite) were intersected in this zone to 139.75 m. These pentlandite grains were disseminated to blebby (up to 2 cm) and were strongly associated with chalcopyrite.

Downhole EM conducted on this hole identified a weak to moderate in-hole EM response from the massive to matrix sulphide zone. This response adequately explains the surface EM conductor. No significant off-hole conductor was detected.

QPD01 003

This hole was drilled to intersect a highly conductive, near surface, flat lying conductive body that was identified from AEM and Surface UTEM. In addition it was planned that this hole would drill through to the basal contact of the mafic sill for a number of reasons - identify any mineralization beyond the range of the surface EM, get a stratigraphic cross section through the sill, and lastly, use this hole as a platform for DHEM - regardless of whether significant mineralization was intersected.

The drillhole began in glacial till and a commonly garnetiferous felsic gneiss and granite interval was intersected from 2.95m to 25.41m. From 25.41 to 46.88m a dominantly graphitic paragneiss was intersected with intervals of semi-massive graphite. This paragneiss is abruptly terminated by the targeted mafic sill. This sill continues to 552.9m downhole depth and is summarised below:

A narrow interval from 46.88-52.7m of cg anorthosite was intersected at the top of the sill contacting the paragneiss. This graded to an olivine gabbro-norite to 231.8m. From 231.8 to 393m is a medium grained troctolite with abundant labradorite which grades to the "normal" troctolite to 511.26m. Beneath this is a variably textured mafic rock to 552.90m which includes intervals of partly digested graphitic paragneiss and breccia.

Footwall gneiss was intersected from 552.90 to the end of the hole. This footwall was intensely hornfelsed to 570m.

QPD01 004

QPD01004 was drilled to test an airborne EM, a surface UTEM, and a downhole EM (from QPD01001) conductor. The hole was collared in Troctolite. This uniform - homogeneous unit continued until 74 m where units of olivine norite and olivine gabbro norite were intersected until the footwall at 123.53 m. The footwall consisted of hornfelsed silicified graphitic paragneiss and contact hornfels gneiss until 131 m. From 131 m to the end of the hole at 215 m, various units of granite, paragneiss and mafic dyke rock were intersected.

Significant mineralization was first encountered from 93.4 to 104.24 m (0.5 to 6 % pyrrhotite + pentlandite + chalcopyrite), 104.24 to 113.30 m (2 to 6 % pyrrhotite + pentlandite + chalcopyrite), 113.30 to 126.35 (6 to 7 % pyrrhotite + pentlandite + chalcopyrite). This mineralization was primarily coarse grained and blebby, often interstitial to the plagioclase and pyroxene and straddles the diffuse mafic/footwall boundary. Semi-massive and massive pyrrhotite intermixed with graphite was intersected within the footwall rock at 126.35 to 126.79 m (15 to 35 % pyrrhotite). Other footwall mineralization consisted of disseminated and coarse blebby pyrrhotite (1 to 5%) with variable chalcopyrite from 126.79 to 144.27m.

DHEM completed on this hole confirmed an anomaly of moderate conductance at around 130m downhole depth. It is interpreted that this explains the surface anomaly. From the geology intersected in the drillhole this indicates that the source of the anomaly is a combination of massive po (+- scp +-se) and semi-massive to stringer graphite.

QPD01 005

This hole was collared targeting the basal contact of the mafic intrusion based on a broad surface UTEM and AEM anomaly, in mg troctolite/gabbroic rock and continued with varying mafic composition until the footwall was intersected at 290.49m downhole. The footwall rocktypes of gneiss and granite were variably hornfelsed for 17m into the footwall. A prominent "mixing zone" consisting of contaminated mafic with footwall material was intersected from 248.45m until 290.49m. This "mixing zone" consisted of varying amounts of spo-scp-se up to 10% and up to 14% in the hornfelsed footwall gneiss and granite. DHEM conducted on this hole indicated there was no inhole or offhole conductor.

QPD01 006

QPD01006 was drilled to test a target that had been interpreted from airborne and ground EM. The hole was collared in granite and mixed paragneiss and granite. 10% stringy graphite occurs throughout this unit, and locally becomes semi-massive to massive (58.5 to 58.97m). At 85.55 to 86.66, the unit becomes strongly hydrothermally altered with epidote, silica, sericite, graphite, serpentine and chlorite mineralization. From 86.66 to 128.4 the unit consists dominantly of granite with paragneiss. Granitic gneiss predominates from 128.4 until the end of the hole. Sulfides are negligible.

DHEM completed on this hole confirmed the conductor to be the more strongly graphitic portions of the paragneiss.

QPD01 007

QPD01007 was drilled to test 1) an EM anomaly as defined by airborne and ground based surveys, 2) to test for mineralization down-dip from QPD01005 and up-dip from QPD01003. QPD01007 was collared in olivine gabbro norite with partially digested granitic and paragneissic inclusions. Up to 10% graphite occurs locally within unit - 2 % graphite overall. From 69.07 to 283.1 m, the rock consists of inclusion free olivine gabbro norite and gabbro norite. Troctolite is intersected from 283.1 to 299.1 m. From 229.1 m to 342.45 m, the unit consists of an olivine gabbro norite containing fragments (basal breccia) of country rock. Some of these fragments are moderately to strongly graphitic. Footwall rock consisting of granite and paragneiss (graphitic) was intersected until the end of the hole at 447 m.

Mineralization consists dominantly of pyrrhotite, chalcopyrite and pentlandite. In the hangingwall mineralization pentlandite and chalcopyrite typically occur in quantities approaching 10% of the observed pyrrhotite. In the footwall, chalcopyrite occurs in quantities approaching 40% of the observed pyrrhotite whereas pentlandite is still 10%. Significant pyrrhotite occurs at 225.15 to 281 m (0.3 to 1%), 281 to 341 m (2.5 to 10%), 341 to 342.45 m (4.5 to 25%), and 342.45 to 361.45 (2.0 %).

DHEM was read on this hole and confirmed the conductor to be coincident with the heavy blebby sulphide (spo) mineralized zone within the mixing zone.

QPD01 008

DDH QPD01008 was drilled to test an offhole EM conductor in DDH QPD01003. Paragneiss and granite were intersected until 101.77 m where the sill was encountered. The top of the sill consisted of olivine gabbro norite and gabbro norite until 191.45 m where troctolite was intersected. This unit of troctolite was encountered until 519.50 m where a raft of graphitic footwall paragneiss was intersected until 528.47 m. From the raft of paragneiss until the footwall contact at 589.78 m, the rock consisted of varying units of troctolite and olivine norite. The lower 10 m of the sill consisted of variably textured mafic rock as a result of partial digestion of footwall rock. Footwall rock consisted of paragneiss, graphitic paragneiss and granite.

Sulfide mineralization was restricted to six zones in this hole: 1. hangingwall contact zone, 2. silicification zone, 3. paragneiss raft zone, 4. sill base zone, 5. basal contact zone, 6. footwall zone.

1. Hangingwall Contact Zone: mineralization occurs directly below the strongly serpenitized upper contact of the sill. Mineralization consists of 1 to 15% pyrrhotite and up to 3% chalcopyrite in olivine gabbro norite.
2. Silicification Zone: this 0.5 m wide zone at 483 m is defined by dissolution of the mafic rock (forming vugs) and the deposition of 5% pyrrhotite and lesser pyrite and chalcopyrite with associated silicification/carbonatization.
3. Paragneiss Raft Zone: this strongly hornfelsed zone at 519.5 to 528.47 m consists of rafted footwall rock within troctolite. The sulfides consist of 1 to 4% pyrrhotite and/or pentlandite and minor chalcopyrite.
4. Sill Base Zone: weak lower sill mineralization occurs from 576.77 to the footwall contact at 589.78 m. This variably textured zone is related to the partial digestion of footwall rock into the sill resulting in the precipitation of disseminated and blebby sulfides. Sulfides consist of .5% pyrrhotite, and trace chalcopyrite and pentlandite.

5. Basal Contact Zone: sulfides within this zone of semi-massive mineralization at 601.23 to 602.54 m consists of 18 to 55% pyrrhotite and minor pentlandite.
6. Footwall Zone: this zone of disseminated and blebby mineralization represents all sulfidation in the footwall rock from 589.78 m to 626.28 m except for that which occurs in the Basal Contact Zone. From 589.78 to 614.5, sulfides consisted of 1 to 5% pyrrhotite, 0.5 to 2% pentlandite, and minor chalcopyrite. Chalcopyrite was negligible after 602.54 m. Minor mineralization consisting dominantly of pyrrhotite with trace chalcopyrite occurred from 614.5 to 626.28 m.

QPD01 009

This hole was collared within quartz rich gabbro. Q-fld blebs (1-2cm diam) comprise 2% of rock, and an interval of 5% of the gabbro. This felsic component is probable evidence for country rock assimilation. Trace sulphides through gabbro, with 9% sul from 46.72-46.9m (5% spo, 3%scp, 1% se). Narrow zone up-hole within gabbro proper between 18.71-18.89m of 12%spo, 1.5%scp, and 1%se. Footwall contact faulted (46.9-48.3m), with associated serpentinisation of cpx's towards fault zone. On footwall side of fault the gabbro is assimilated with granite and is heavily amphibolized. Beyond assimilated zone, core is monotonous paragneiss with varying amounts of quartz, biotite and feldspar. Paragneiss is intruded (local melts?) by white granite/pegmatite through out.

8.2.2 Geochemical Analysis of DDH Samples

Details of sampling and analytical procedure conducted on the drill core is outlined in the sections below.

8.2.2.1 Methodology

Drill core samples were subdivided based upon geologic and regular sample intervals. An interval of not more than 3m based on geological boundaries was selected for sampling by the geologist during logging. This section of core was then sawed to create a quarter core using a core saw at the project core shed. The sample was then bagged in plastic, tamper-proof bags provided by Analytical Solutions Ltd. The bags are designed to be inspected for any tampering upon delivery to Bondar Clegg Laboratories to assist with ensuring integrity of the sample and certified analysis. Quality control assurance in the core samples was provided by regular insertion of a WMC in-house standard, as well as regular submission of duplicate samples (a second quarter core). Quality control data were regularly graphed and reported by the WMC quality control technician. Nine drill core holes have been completed to date based upon the most favorable target areas.

The analytical laboratory for rock and core samples was carefully selected through review of the analytical procedures and by testing quality of Cu, Ni, Pt, Pd and Au assays by conducting a round robin of several prospective labs. The round robin consisted of submitting 3 each of internal WMC standards as well as certified Cu-Ni standards including SARM-7 and several Geological Survey of Canada certified standards. After laboratory selection, the laboratory was visited by WMC personnel to assure that the facilities were in keeping with requirements for technical equipment, laboratory standard procedures, cleanliness, and safety.

Samples received at the laboratory, were pulverized in entirety to 95% passing -150 mesh using an LM-2 Labtech pulverizer. A 30 gram split of the sample was used for Pb-fusion fire assay analysis for Au, Pt and Pd. A 0.5 gram split was digested in 50ml of combined 3-acid digestion (HF-nitric-perchloric acids) with the following elements determined by ICP-ES: Ag, Cu, Pb, Zn,

Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr, and S.

8.2.2.2 Results

The results for all of the core samples analysed are given in Appendix 5c.

Hole ID	From	To	width (m)	Co ppm	Cu ppm	Ni ppm	PdPbFFA ppb	PtPbFFA ppb
QPD01001	2.8	11.4	8.6	99	634	1404	5	5
QPD01001	24.8	34.65	9.85	73	488	1047	8	4
QPD01002	101.95	124.18	22.23	121	1029	1550	17	7
QPD01002	118.83	119.58	0.75	931	2374	10726	21	14
QPD01003	518	520.44	2.44	128	651	1263	19	9
QPD01003	537.57	552	14.43	98	999	1220	22	7
QPD01003	558	565.16	7.16	134	1685	2201	26	12
QPD01003	563	564.7	1.7	291	3751	5664	70	27
QPD01004	103.22	111.25	8.03	72	365	719	8	4
QPD01004	111.25	126.79	15.54	143	946	1567	13	5
QPD01004	126.79	133.62	6.83	77	522	849	14	7
QPD01005	276.9	295.8	18.9	106	1187	1333	24	11
QPD01006	-	-	-	-	-	-	-	-
QPD01007	316	342.45	26.45	204	900	1255	17	9
QPD01007	342.45	358	15.55	69	1209	1344	34	14
QPD01008	586.95	611.56	24.61	128	937	1376	23	11
QPD01009	46.72	56.91	10.19	64	621	608	12	6

Drill core analyses confirmed significant mineralization in both the hanging wall and footwall of the Papavoine sill, as defined by 7 of the 9 holes drilled. This mineralization provided the encouragement for the exploration program to continue.

8.3 2001 Geochemical Sampling Programs

Geochemical sampling in Y2001 for the Quebec7 project included collection of rock chip, drill core, stream sediment, heavy mineral concentrate, water, soil, and humus samples (Figure 9, Map 7). The project area has relatively little topographic relief, with lakes and streams dominating a landscape of minor outcrop. Lakes are connected by a series of northerly to northwesterly draining streams and rivers. Geomorphology in the project area changes slightly from south to north, with the very southern area dominated by lakes and swamps, a central section dominated by streams and low hills, to lower relief and more common swamps and a few raised bogs to the north of the project area near Ungava Bay. The latest glacial till was deposited 10,000 – 30,000 years ago by a glacier moving from a highlands south of the project area towards the north toward Ungava Bay. Glacial till is of variable thickness, generally < 30m. Till occurs as ground moraine, lateral moraine, drumlin, esker and fine lake sediment deposits. The region is south of the permafrost boundary of Canada, although locally there are boils indicative of ice action within the soils. Typical vegetation of spruce and birch trees, shrubs and ground cover occur where the surface is sufficiently drained. Outcrop varies from 5-30% throughout the area.

Streams dissect the area running generally parallel to previous ice direction of N20-30W in the southern portion of the area and nearly due north closer to Ungava Bay. Stream drainages are well developed, with the majority of the stream sediment coarse (>10cm cobbles and boulders). Boulders are frequently coated by Fe and/or Mn, Al oxides. Soil profiles are variable but generally well developed, exhibiting good profiles which include A0, A1, B1,2,3 and C horizons.

Stream sediment samples were collected in 3 regions where the targets were still somewhat regional in nature. Heavy mineral concentrates were collected in an area of interest for kimberlite indicator minerals. Water samples were collected for both exploration and environmental baseline purposes. Humus samples were collected as a test comparison to soil samples over several targets of interest. The largest part of the 2001 geochemical program was the collection of nearly 900 soil samples which were collected along lines crossing geophysical anomalies of interest.

8.3.1 Mineralization

Focus of exploration was on Ni-Cu sulfide occurrences associated with mafic sills which have been mapped throughout the project area. Exposure of these sills is poor due in part glacial till cover, and in part to their low percentage in terms of exposed rock within the more dominant regionally extensive graphitic paragneisses and granitoids which occur throughout the study area. Pyrite and chalcopyrite occur throughout the area, most commonly at the footwall contact to these sills.

Of greatest interest to date is the project referred to as Papavoine Hill. The mafic sill here forms a prominent topographic high, and consists of at least 3 chemical distinctive intrusive bodies with variable textures. This sill is 400-500m thick and mapped over 10 km². Disseminated sulphide mineralization occurs in both the footwall and hanging wall of the sill. The mineralization at Papavoine occurs as pyrrhotite-chalcopyrite-pyrite-pentlandite as disseminated mineralization (<5%) in both the hanging and footwall of up to 450m thick. In addition to anomalous concentrations of Ni and Cu, anomalous concentrations of Au, Pt, Pd and Co have been identified. PGE concentrations range from 10 ppb to 300 ppb in mineralized rock samples. The Papavoine prospect was tested by 7 of the 9 core holes drilled to date.

Geochemical and geophysical anomalies indicative of possible diamond and gold mineralization were also identified in regional data. Some of the regional sampling was designed to test these anomalies.

8.3.2 Lithochemistry Sampling Program

8.3.2.1 Methodology

Rock chip samples were collected during the regional reconnaissance as well as during prospect mapping. These samples were collected in areas of expected mafic/ultramafic sills and at gossans where disseminated or massive sulphide occurrences were noted. Rock chip samples were bagged and shipped to Bondar Clegg Laboratories, Canada. Quality control assurance was provided by insertion into each batch of a WMC in-house standard. Laboratory repeats, standards and blanks are also monitored by the WMC QAQC technician.

For the lithochemistry, the selection of the analytical laboratory, as well as analytical procedures used, are identical to the drill core samples. These procedures are described above.

8.3.2.2 Results

Regional geologic prospecting and sampling were valuable in identifying and mapping prospective mafic sills and in providing an analysis of mineralized material within and at the footwall of these sills. Location and results of significant mineralization defined in regional rock chip samples are shown in Map 7. Numerous locations of mineralization and gossan were identified in the field, with the highest sulphide concentrations identified during the 2001 rock chip sampling program and are further defined below. The sample descriptions, analytical results, and summary statistics for the rock samples are located in Appendix 6.

8.3.3 Soil Sampling Program

8.3.3.1 Methodology

Soil samples were collected in areas of interest as defined by geophysical targets, where it was anticipated that there might be massive sulphide. One or two soil lines separated by 200-250m were sampled at 100m spacing. The soil samples were collected from the upper portion of the "B" soil horizon. Depth of the favorable horizon varied through the study area, as did the color and moisture content. Color was usually a reddish to orange brown horizon, occasionally brown or tan. Almost all samples were taken from a "B" horizon. Depth of this horizon varied from 5 – 40cm, but was most often sampled at 10-20cm depth. Moisture varied from dry to fully saturated. The soils consist of clay-silt and sand. Field notes at the area included sample number, location, map, line location, topography, landscape, vegetation, depth of sample, color, moisture content, soil composition. Any salient geologic observations were collected, and water pH of any nearby water bodies were frequently measured. Quality control assurance was provided by including 10% field duplicates as well as by randomizing the samples prior to laboratory analysis. Quality control measure are checked by the WMC QAQC technician.

Soil samples were collected into cloth bags and shipped to ALS-Chemex Labs, Canada. At the laboratory, the samples were sieved to –200 mesh, and the fine fraction analyzed. The elements Au, Pt and Pd were determined using a Pb-fusion fire assay /ICP determination. A second split of the sample was digested using a nitric-aqua regia digest, with element determination using both ICP-ES and ICP-MS instruments. A total of nearly 850 samples were collected and analyzed for the elements: Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Ge, Hf, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn, and Zr.

8.3.3.2 Results – Soil Sampling Program

Soil samples were very effective in providing geochemical response of the underlying mafic and mineralized horizons. Location of the soil lines with respect to regional targets are shown in Map 7. Data are not yet available for all samples submitted for this years work. However, several of the geochemical lines show interesting anomalies worthy of further geologic investigation, being anomalous in one or more of the elements Ni, Cu, Au, Pt, Pd, Co, Fe (Figures 10, 11, and 12). The laboratory reports for the soil samples, along with a table of the Summary Statistics exists as Appendix 7.

8.3.4 Humus Sampling Program

8.3.4.1 Methodology

Humus samples were collected at selected sites to compare viability of the humus media as an exploration tool as compared to the more traditional soil sample. These samples were collected where geophysical anomalies indicated potential for massive sulphides. Humus samples were

collected along lines at 100-200m spacing. The humus was placed in sealed plastic bags and sent to ALS-Chemex Laboratories, Canada. At the laboratory the humus samples were analyzed using an acid digest and ICP-MS multi-element determination. A total of 136 samples were collected and analyzed for the elements: LOI, Ag, Al, As, Au, Ba, Be, Bi, Br, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Hg, Ho, I, K, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Se, Sm, Sn, Sr, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Yb, Zn, Zr, B, Ga, Ge, Hf, In, La, Re, Ta, and Y.

8.3.4.2 Results

Humus samples provided some response to the known mafic sill and mineralization at Papavoine Hill and these demonstrated collection of metals by the organic horizon. However, the response was both broader and of higher contrast in the corresponding soil samples. This was the basis for continued use of soil sampling in this project. As the sample sites for humus are the same for the same sample number of soil sample, the sample descriptions and results are found in Appendix 7.

8.3.5 Stream Sediment Sampling Program

8.3.5.1 Methodology

Stream sediment samples were collected in larger regions with potential for gold, diamonds and Ni-Cu mineralization. First, second and third order drainages were sampled at a density of 1/5-10 km². The samples were collected in the active portion of the drainage where fines were available. A sample of 2-4 kg was sieved to -2mm on site, bagged in thick mil plastic bags and shipped to ACME Labs, Vancouver for analysis. At the laboratory, the samples were sieved to -200 mesh, digested with a dilute aqua regia digestion, and analyzed using ICP-MS for a multi-element suite. Lead fusion fire assay was used for Au, Pt and Pd determinations. Field duplicates and blank sand material were used for quality control assurance. A total of 29 stream sediment samples were collected and analyzed for the elements: Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Sc, Tl, S, Hg, Se, Te, Ga, Au, Pt, and Pd.

8.3.5.2 Results

Stream sediment data did not provide any encouragement for the mineralization potential of the sampled areas. An area to the south (Q11) was sampled for Cu-Ni potential; stream sediments did not show any anomalies in pathfinder elements. A second area was sampled for potential Au mineralization. Although a few samples contained anomalous concentrations of Au, the prospective area is confined and of no further interest. A small set of targets showed potential for diamondiferous kimberlite was sampled by stream sediment, heavy mineral concentrates and soil lines. None of these media provided any encouragement for mineralization. These areas are identified with sample locations in Figure 9 and Map 7.

8.3.6 Heavy Mineral Concentrate Sampling

8.3.6.1 Methodology

Heavy mineral concentrate samples were collected in similar fashion to the stream sediment sample, with +10 kg of material sieved to -2mm from traps in the active portion of the stream channel. These samples were shipped to Overburden Drilling Management for heavy mineral processing and mineral identification. This processing includes sieving, shaker table separation, heavy liquid separation, electromagnetic separation, washing of the grains in weak acid, followed by individual sample examination and mineral identification. A total of 6 heavy

mineral concentrate samples were collected and identified for gold, kimberlite and NiS indicator minerals.

8.3.6.2 Results

No indicator minerals were identified indicating promise for either diamond, gold nor Ni-Cu sulphide mineralization in this small group of samples. One sample contained a chromite grain which is likely due to known mafic dikes within the area.

8.3.7 Exploration Water Samples

8.3.7.1 Methodology

Water samples were collected for two purposes. Exploration water samples were collected in streams or along lake shores as far from fine sediment and the shore as practically possible. The sample was collected in 175ml HDPE wide-mouthed Nalgene bottles. The bottles were uncapped, rinsed several times and filled to the top. Field pH and conductivity measurements were collected at each site with hand-held Horriba pocket meters (temperature corrected to 25C, pH calibration at 4 and 7). The exploration water samples were shipped to ACTLABs Canada. At the laboratory, nitric acid is introduced to the sample which is then rolled for 24 hours. Element determination is then by ICP-MS to ppt and ppb concentration levels. A total of 15 exploration water samples were collected and analyzed for the parameters: pH, Alkalinity, Conductivity, TDS, Li, Be, Na, Mg, Al, Si, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Rb, Sr, Y, Zr, Nb, Mo, Ru, Pd, Ag, Cd, In, Sn, Sb, Te, I, Cs, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Pt, Au, Hg, Tl, Pb, Bi, Th, and U.

8.3.7.2 Results

Field measurements at the water sites were near neutral, with low conductivities (<20 us/cm). No analytical data are available to date.

8.4 2001 Geological Prospecting and Mapping

8.4.1 Methodology

Mapping and prospecting over the project area began on June 4 and continued until late August. This work was done with varying numbers (1-4) of two to three person field crews using A-star (both D and BA model) and Bell 206 Jet Ranger aircraft. Prospecting of anomalies generated from the AEM survey was done in this way. Field information was recorded on a NINO palmtop and downloaded at the end of each day and saved in an Access database. Rock samples collected that were deemed worthy of analysis were sent to Bondar Clegg Laboratories in Vancouver and analysed for a 35-element suite using an ICP30 following four-acid digestion (same as for the drill samples). Additionally, Au, Pd and Pt were measured using fire-assay-ICP. The certified analytical results are given in Appendix 11.

8.4.2 Results

The prospecting and mapping identified a number of mineralized positions not encountered during last summer. In total 8 gossan/mineralized positions have been identified within the project to date. These positions are located on Figure 4 and Map 7 and are described below.

Papavoine

The mineralization identified at the Papavoine Prospect was identified during the regional reconnaissance work completed in the summer of 2000. This mineralization consists of a 1.2km long gossanous zone at the base of a troctolite sill. Mineralization is identified in both outcrop and boulders and is dominantly disseminated with minor massive zones consisting of pyrrhotite with minor amounts of pentlandite and chalcopyrite with rockchips grading up to 1.2%Ni, 0.5%Cu.

AEM over the Papavoine mafic and mineralized zone identified a significant conductor and was subsequently drill tested. As a result of this drilling the section of this report on drilling describes the mineralization and the mafic intrusion in greater detail.

Bonne Une

Mineralization identified at Bonne Une Prospect was also identified as part of the 2000 summer field campaign. Gossans grading up to 0.16% Ni, 0.19%Cu have been located over an area of approximately 50m x 50m. This mineralization occurs as a thin veneer within both troctolite and hornfelsed footwall felsic and graphitic gneiss on the base of a gently easterly? dipping troctolite sill-like intrusion. With outcrop in the area being poor the troctolite covers an area approximately 500m x 500m.

Maraliup

A small pod 3m x 2m of disseminated mineralization grading 0.14%Ni, 0.19%Cu approximately 5m above the basal contact of a 20-30m thick sill-like mafic intrusion (troctolite-gabbro) comprises the Maraliup mineralized occurrence identified in 2000.

The prospectivity of this location is low as no further evidence of mineralization was found during the 2001 summer campaign.

Baleine

Minor mineralization (gossan) was found in the Whale River valley at the base of a mafic sill-like intrusive similar to the other mafic intrusions found throughout the Whale river valley (F Figure 4). This mineralization consists of gossanous material over a 10m interval after disseminated Ni/Cu magmatic sulphides. The horizon probably represents a minor mixing zone at the base of the troctolite sill and is unlikely to be of economic interest. Little work was conducted over this gossan in 2001.

Libby's Gossan Area

Systematic field reconnaissance in 2001 identified weak Ni/Cu sulphide mineralization in two locations on the hangingwall contact of a mafic sill in the northeast of the project area (block 12 – see AEM section). Subsequent fieldwork identified a number of different mafic intrusions in the area but failed to locate the basal contact of the mafic intrusion. As a result AEM was flown over the prospective area to determine further prospectivity.

An airborne electromagnetic (AEM) survey flown over Block 12, incorporating Libby's Gossan and the gabbro hosting this gossan, shows that a weak-moderate conductor exists 100-200m below surface. It has a gentle undulose geometry and dips shallowly to the northeast. This geometry is also evident in the magnetic response (coinciding with the AEM anomaly), and in the mapped undulating dip of the gabbro (hosting Libby's Gossan) to the west.

Field checks to determine the source of conductance found no outcropping conductor. The area is under cover of swampy to peaty ground with windows of white granitic gneiss outcrop. Of significance granitic gneiss outcrops overlie local high AEM anomalism, confirming that (at least) at these localities the conductor is at depth.

No evidence was found to support the possibility that local incursion of saline water from the False River, or peat is responsible for the AEM anomalism.

Concurrently with geological field checking, a soil geochemical sampling program was completed. Swampy-peaty ground limited the number of samples obtained. However, soil data over outcropping gabbro (hosting Libby's Gossan) will be compared with soil data to the east to help determine the source of the magnetic anomalism coincident with AEM anomalism. The local AEM high anomalism is centred on 563000mE, 6442800mN. A small outcrop of gneiss of approximately 50m by 50m is present at 563000mE, 6443100mN. A minor amount of graphite is within the otherwise, dominantly quartz-feldspar biotite granitic gneiss. Despite following the course of a meandering stream southwards to the southern end of the peak of the AEM anomaly at 563500mE, 6442500mN no further outcrop was seen. Swampy ground dominates the eastern continuum of the AEM anomalism.

No conductor to account for the AEM anomaly occurs in outcrop. Graphite needs to be considered but is not in any surface abundance to cause the anomaly.

A14-1E

Stringer and disseminated Ni/cu sulphides and gossanous material was found at A14-1E on the base of a mafic sill like intrusion (at least 50m thick) following up the basal contact of a sill identified from the 2000 reconnaissance program. Gossanous material was found over a strike length of approximately 800m grading up to 0.67%Ni, 0.43%Cu. Although the gossanous horizon is extensive it was not followed up in detail as it was not associated with a significant AEM anomaly.

A14-1W

Stringer and disseminated Ni/Cu sulphides and gossan were identified at A14-1W whilst following up an AEM anomaly. The sulphides are located on the base of the same outcropping mafic sill as A14-E. One drill hole (QPD01009) targeted this AEM anomaly and intersected minor disseminated sulphides associated with the mafic intrusion. Downhole EM on this hole indicated a weak to moderate offhole conductor up dip. This conductor was not drill tested as it was not indicative of an economic Ni/Cu sulphide position.

A17-1

Gossan after stringer Ni/Cu sulphides was identified over a small (10m x 5m) area on the contact between a mafic intrusive rock and paragneiss. A small AEM anomaly was identified over this gossan and ground EM confirmed a small discrete conductive body at this location. The conductor was deemed to small for further follow up such as drilling.

Table 8 Rockchip Assays - Prospects

	Sample #	Ni %	Cu %	Co ppm	Pt ppb	Pd ppb	Au ppb
Papavoine							
Sulphide Breccia - 30%	x		1.22	0.5	617	26	79
Sulphide Breccia - 30%	x		1.03	0.47	519	84	97
Sulphides in Migmatite	x		0.55	1.12	342	64	56
Gossan boulder	x		0.38	0.25	184	16	42
Bonne Une							
Gossan subcrop	x		0.16	0.19	212	6	10
Gossan subcrop	x		0.11	0.12	153	1	6
Baleine							
Gossan subcrop	x	161ppm	231ppm		64	2	4
Marraliup							
Gossan outcrop	x		0.14	0.19	112	8	16
A14-1E							
Sulphide stringers	UC104972		0.67	0.43	494	9	94
A14-1W							
Sulphide stringers	UC104951		0.63	0.15	440	8	6
Sulphide stringers	UC104904		0.55	0.52	441	60	103
A17-1							
Sulphide stringers	UC104931		0.3	0.29	272	37	68
Gossan subcrop	UC104929	687ppm		0.17	96	14	49
Libby's gossan							
Gossan subcrop	UR212935	72ppm		216ppm	56	0	3
Gossan subcrop	UC102605	189ppm		718ppm	64	12	12

X indicates sample taken in 2000.

9.0 Environmental

The Project has undertaken a proactive environmental protection strategy. A comprehensive environmental management plan focused on the elements of the natural environment that might be at risk during the exploration activities and prescribes field operating measures that reduce or eliminate these risks. For example, water sampling was done on each water body or water course that may be at risk of contamination from drill activities before drilling is initiated. Also, drill sites were inspected and monitored following drill site abandonment to ensure that all litter is removed and that no progressive terrain disturbance is taking place. A photographic record of each drill site for documentation purposes was also initiated. Also, the airborne program was cognisant of the spring caribou migration pattern and adjusted its flight planning accordingly.

The use of an existing outfitter camp for field accommodations near the exploration area has enabled the Project to proceed without the need for a new field camp and related permits and

licences. The assistance and cooperation from the Quebec Ministry of Environment in helping us understand the existing permitting regime has been most helpful and is greatly appreciated.

9.1 Baseline Water Survey

9.1.1 Methodology

Environmental baseline water samples were collected at the nearest significant water body prior to drilling at each site. Water sampling was conducted prior to each drill campaign. This water sampling was completed by a contractor (Nunuvut Corporation) with the samples sent via appropriate sample chain protocol to Philips Laboratory, Quebec. Field pH, Conductivity, water temperature and Eh were measured on site with instruments provided by Phillips Laboratories. The samples were collected in bottles also supplied by Phillips. Two samples are collected at each site and filtered to 45 microns. One of these samples was acidified with nitric acid, the second sample left non-acidified for determination of the major anions. These samples were analyzed at Philips for a multi-element analysis of anions and cations. A total of 34 water baseline samples have been collected and analyzed for a wide range of parameters, including: Bicarbonate (as CaCO₃) - calculated, Carbonate (as CaCO₃) - calculated, pH (20 DEG C), Fluoride, Nitrate (as N), Nitrite (as N), Sulphates, C10-C50 Hydrocarbons (Hexane/GC), Metals, Mercury, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Uranium, Vanadium, Zinc, Hardness (as CaCO₃).

9.1.2 Results

Water samples analyzed to date from the baseline sampling have all demonstrated very clean water with low conductivity, low salinity, near neutral pH, and low levels of most parameters and most trace elements at less than detection limits. Not all data have been received for sampling conducted in August and September.

10.0 Conclusions

Geological, geochemical and geophysical surveys conducted over the Quebec 7 Project in the last 12 months has highlighted the prospectivity of the area to host a significant accumulation of Ni/Cu/PGE sulphide mineralization. Due to the extensive airborne geophysical surveys conducted over the area during the reporting period, the search for such economic mineralization can be restricted to a handful of key areas, these being Libby's Gossan and Papavoine (and A14-1) prospect areas. Exploration will continue on these areas into selected licences' second year. Provided further positive results are forthcoming, other areas such as Marraliup are expected to be advanced further.

11.0 Recommendations

With so much data gathered over such a short period of time a geological interpretation of the entire project area is required. This interpretation is expected to take a good deal of time incorporating all datasets. More detailed work is required in two specific areas (Papavoine and Libby's Gossan) and the results of this work may determine what other work is completed over other areas within the project.

Further work will continue on the Papavoine and Libby's Gossan areas. This work may include the following:

Papavoine -

Further gravity surveys to determine extent of the mafic body under gneissic cover.
Deep penetrating Ground EM to identify potential accumulations of massive Ni/Cu sulphides at depth.
Diamond drilling of anomalies and downhole EM.

Libby's Gossan -

Drilling to determine source of AEM anomalies.
Gravity to better map the mafic bodies under gneissic cover.
Ground EM to pinpoint drill targets and possibly detect mineralized positions beyond the penetration of the AEM.

12.0 References

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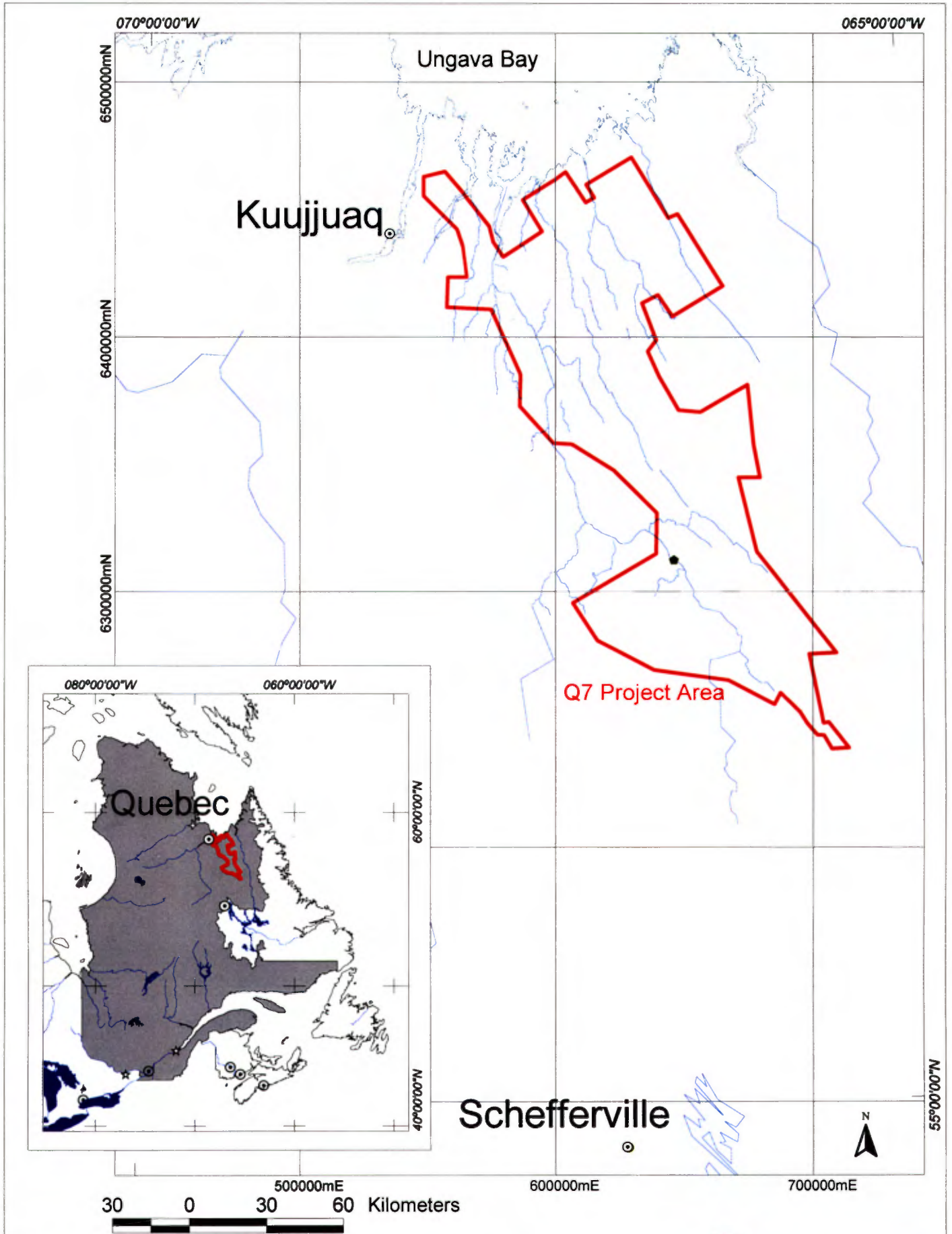


Figure 1: Quebec 7 Project Area

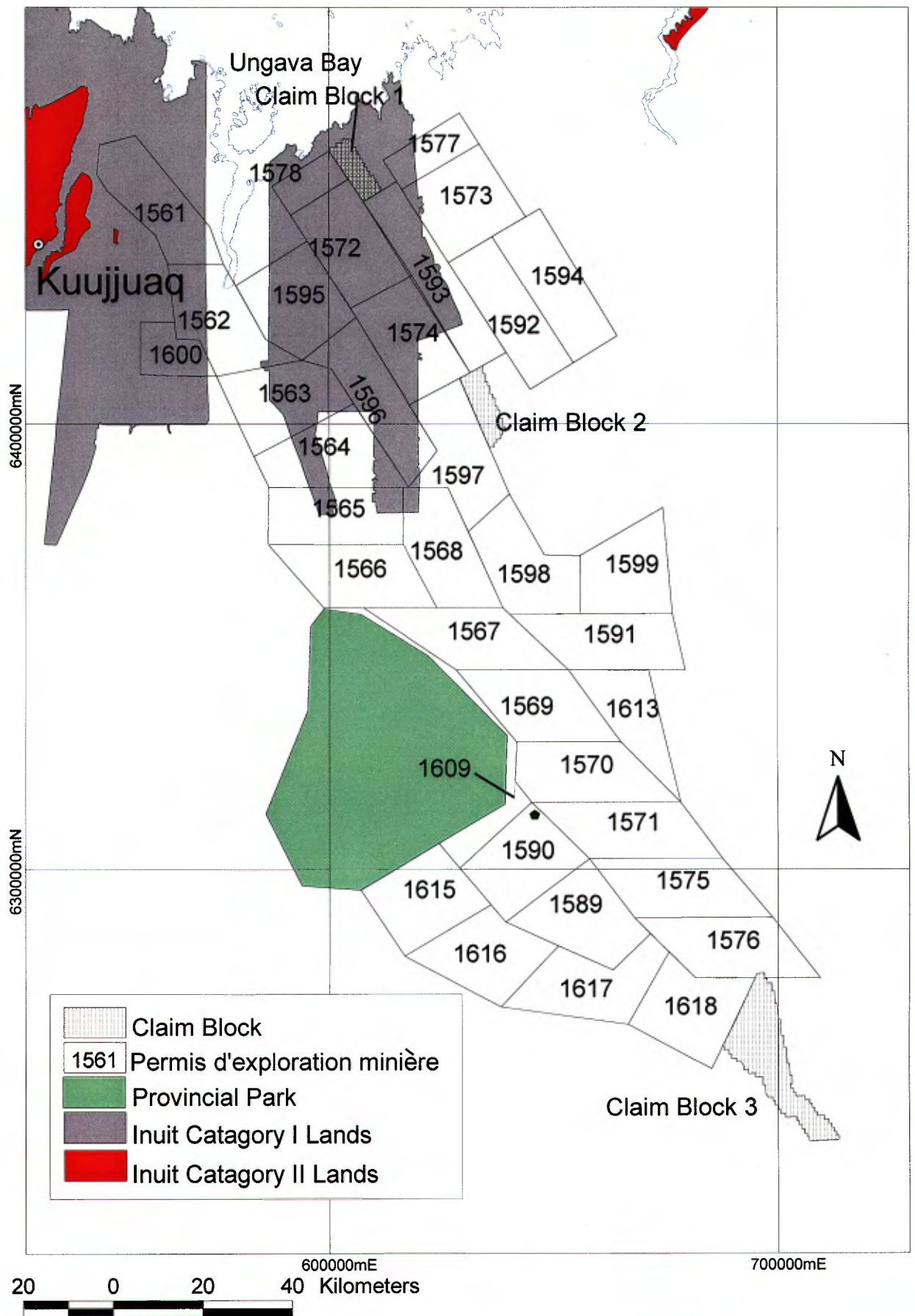


Figure 2: Quebec 7 Land Position

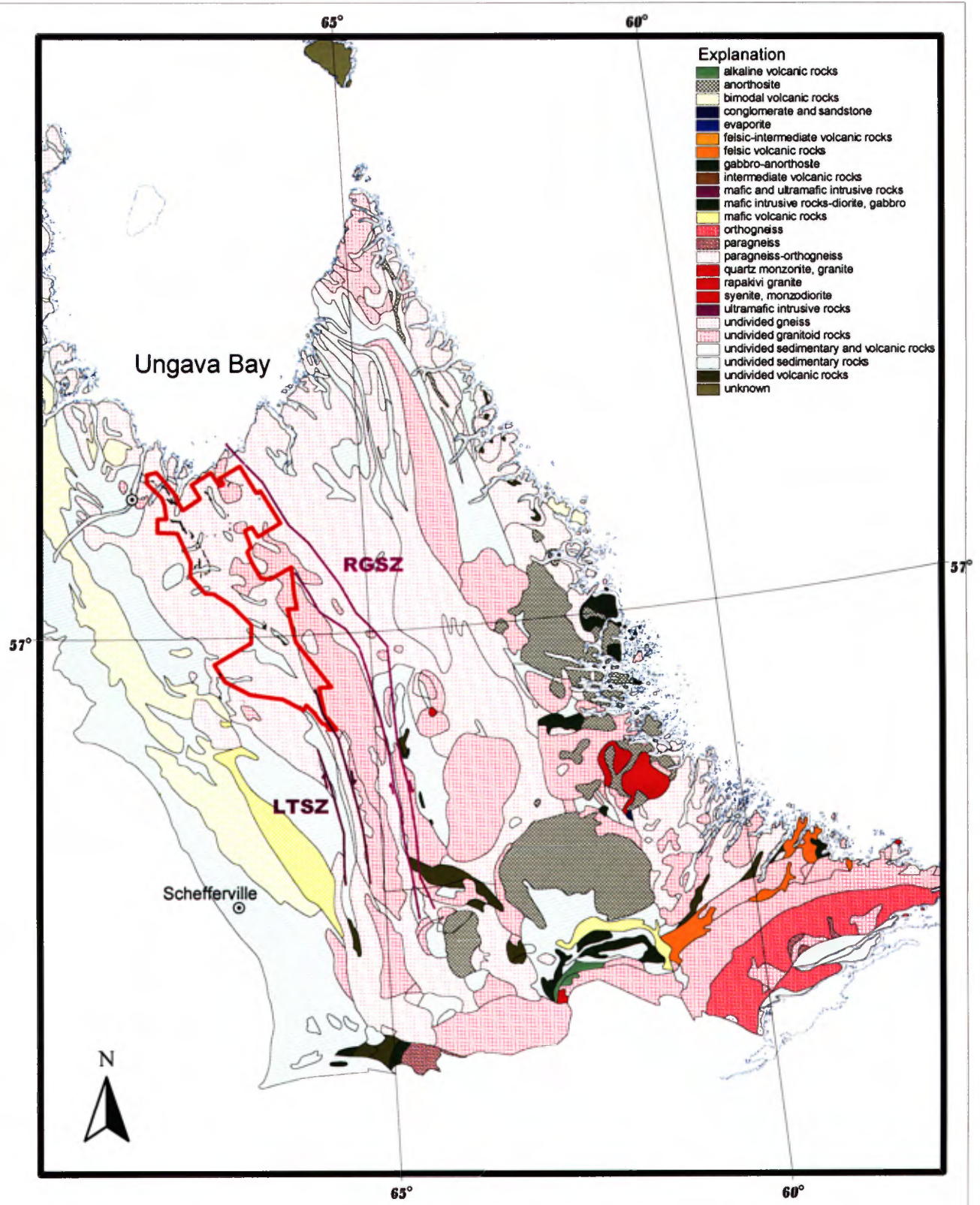


Figure 3: Quebec/Labrador Regional Geologic Map

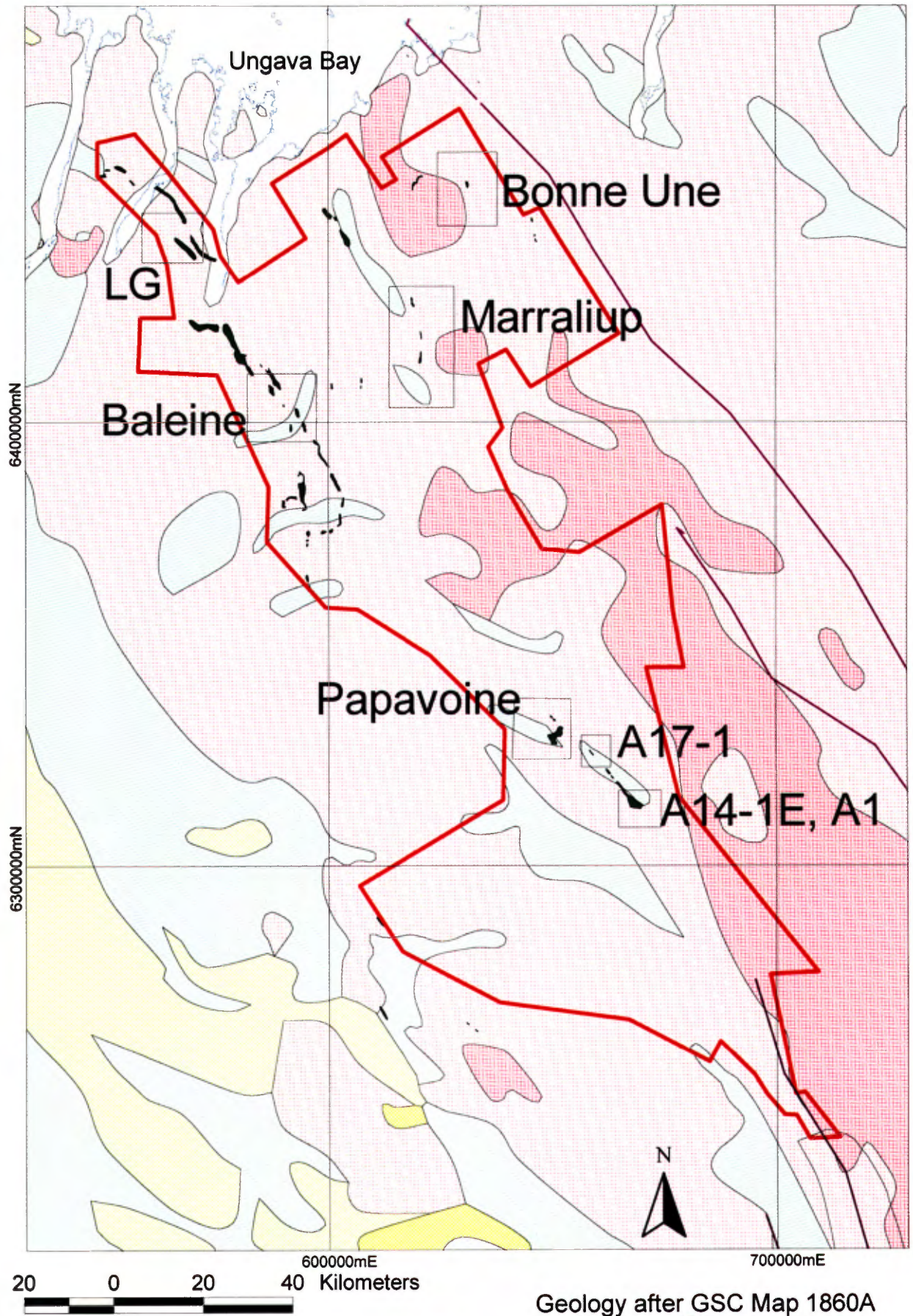


Figure 4: Quebec 7 Geologic Map

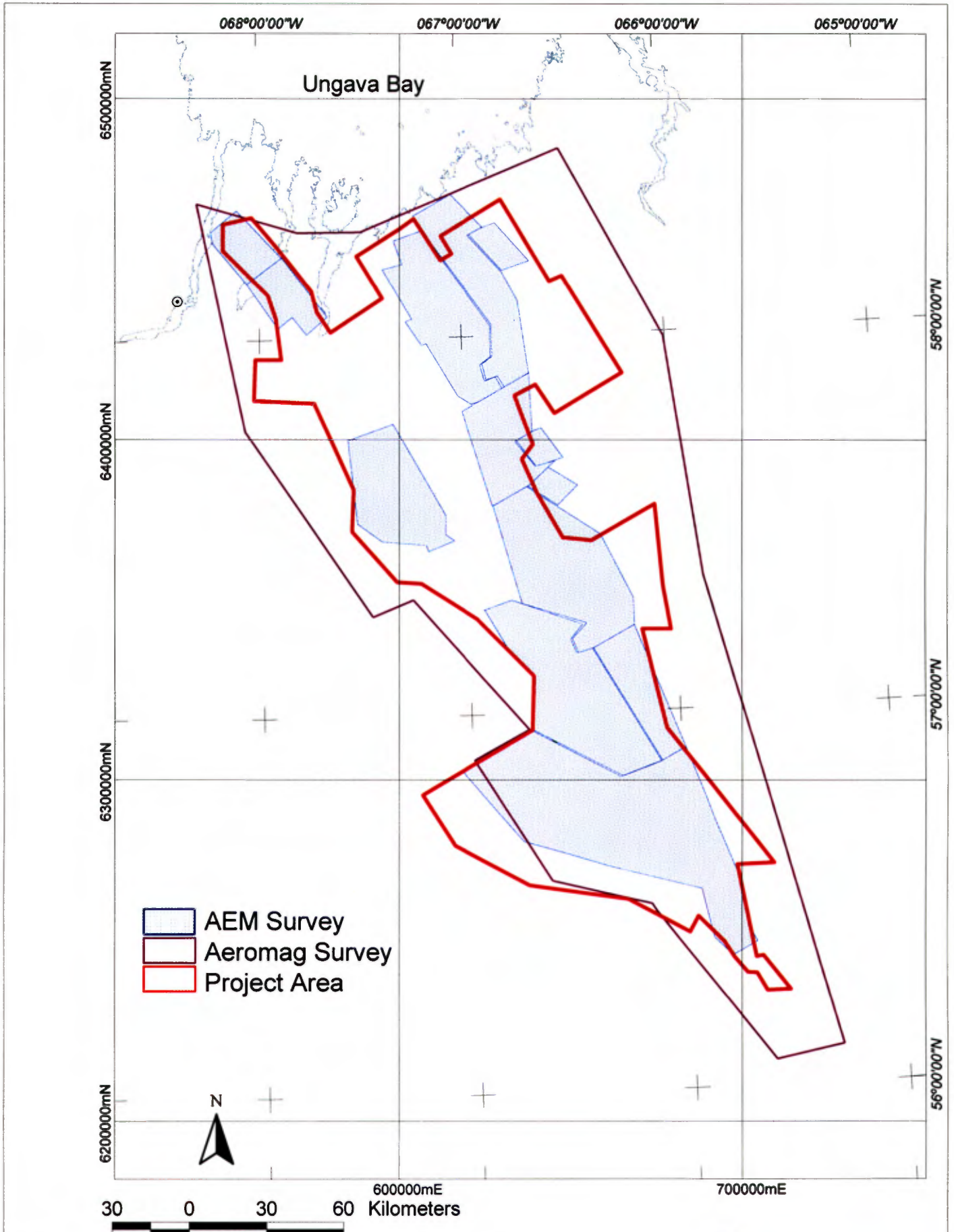


Figure 5: Airborne Geophysical Surveys

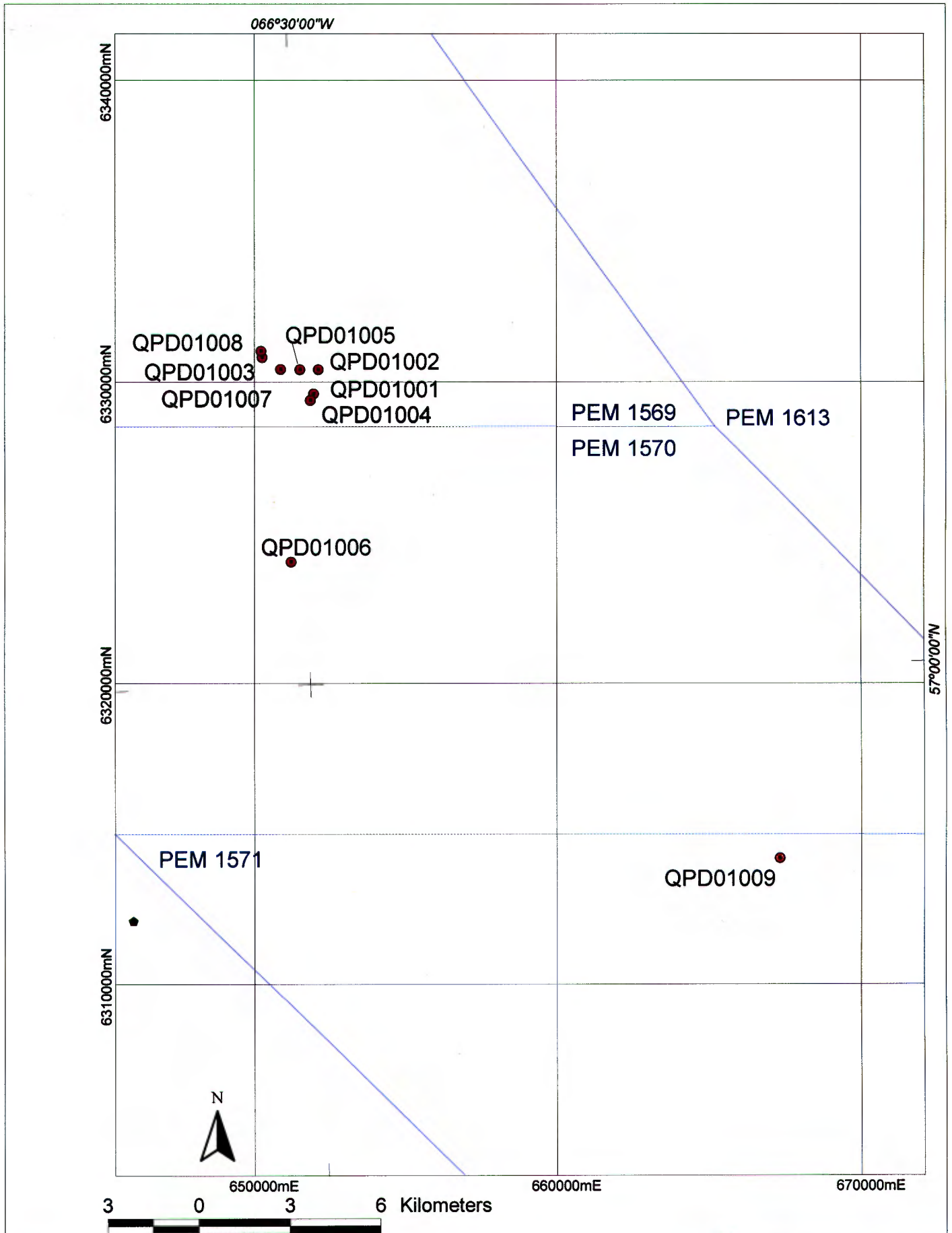
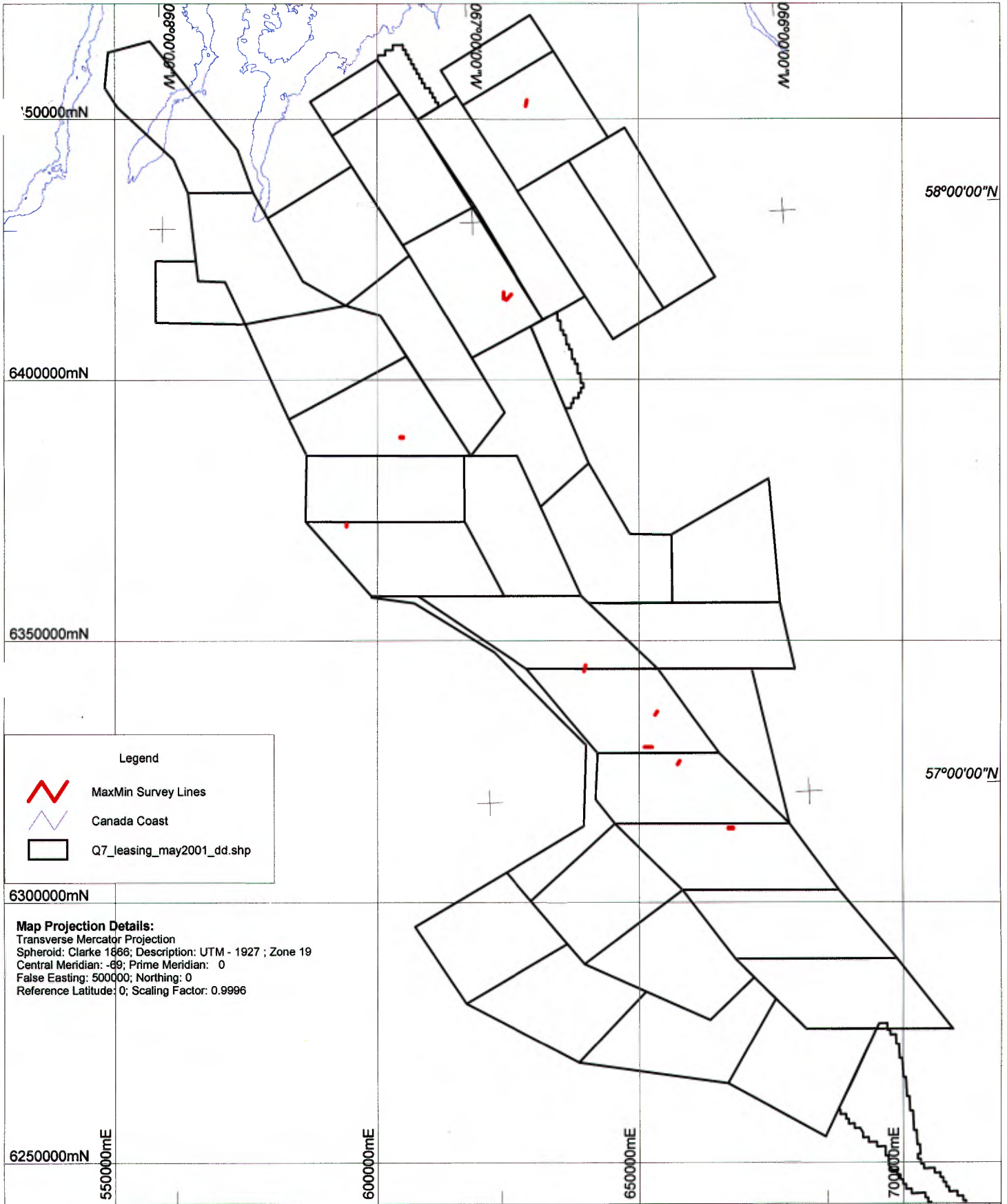





Figure 6: Drill Hole Locations



Legend

-  MaxMin Survey Lines
-  Canada Coast
-  Q7_leasing_may2001_dd.shp

Map Projection Details:
 Transverse Mercator Projection
 Spheroid: Clarke 1866; Description: UTM - 1927 ; Zone 19
 Central Meridian: -69; Prime Meridian: 0
 False Easting: 500000; Northing: 0
 Reference Latitude: 0; Scaling Factor: 0.9996

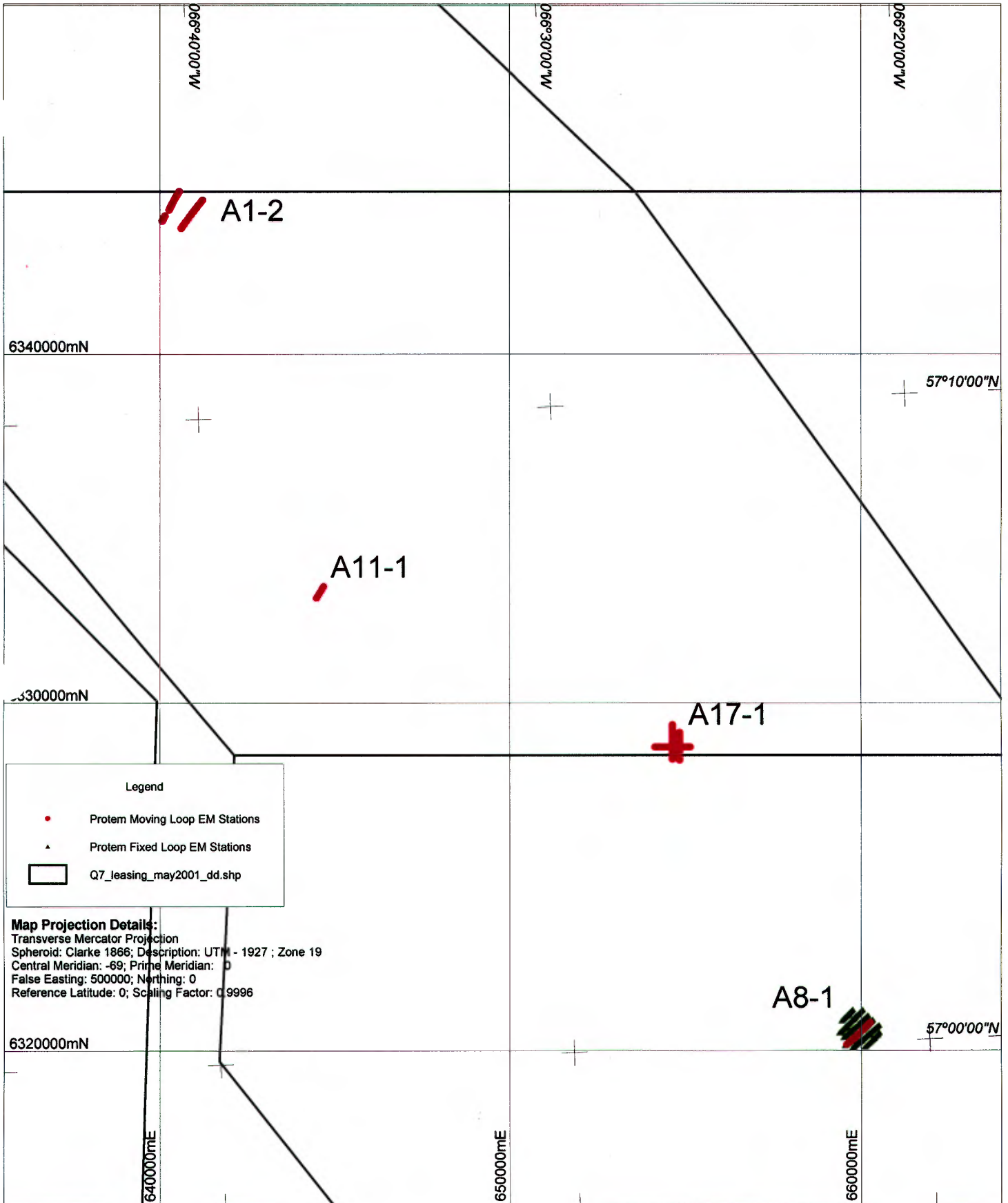
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Date:	19:Sep:2001
Author:	Louisa McCall
Revised:	< >

Quebec 7 Project

MaxMin EM Survey Lines

Figure #7

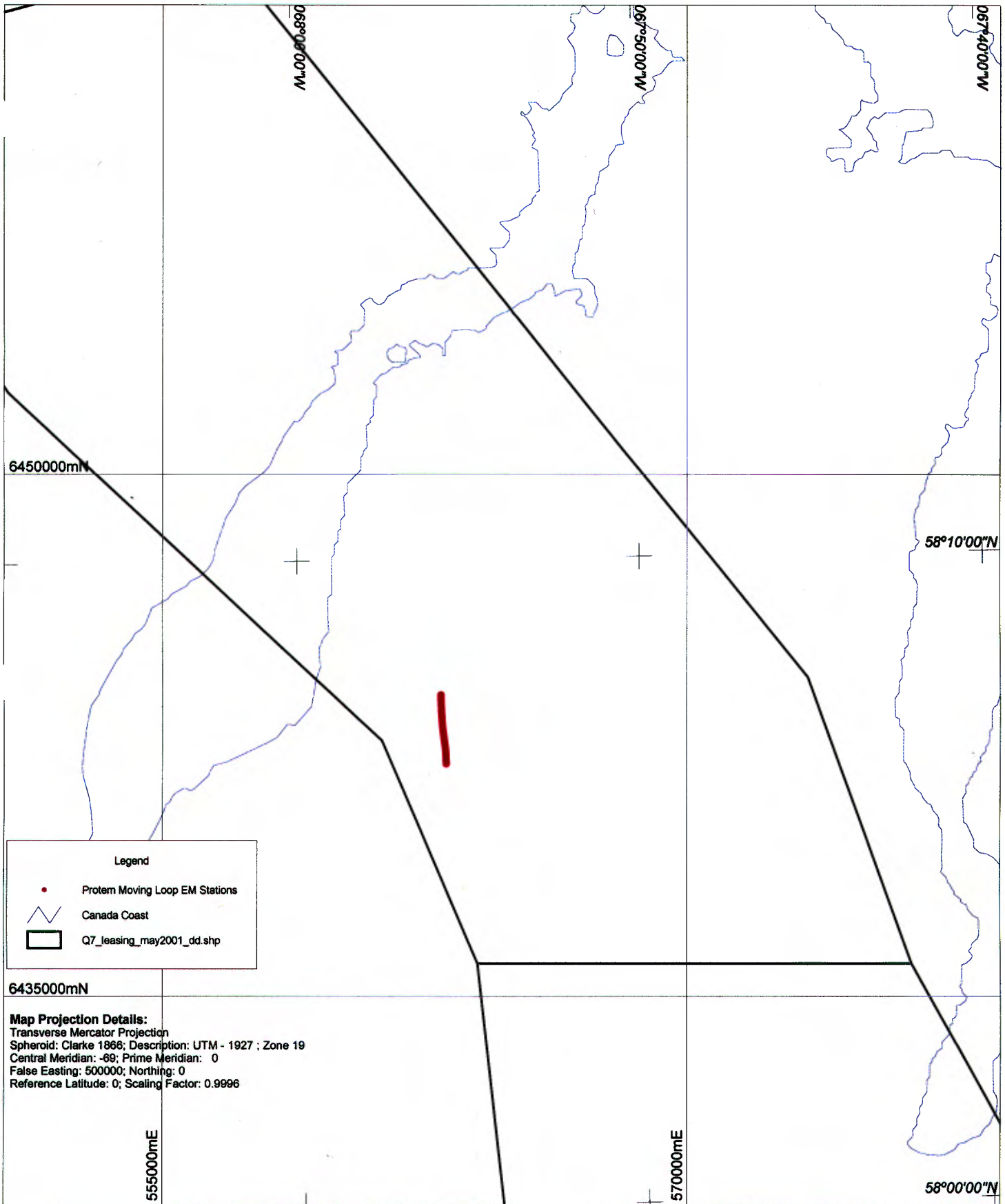
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Date:	19:Sep:2001
Author:	Louisa McCall
Revised:	< >

Quebec 7 Project
 Location of Protem EM Stations - Block 1
 Figure # 8a

Scale:	1:150000
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Figure No.	< >
Plan No.	< >



Legend

- Protem Moving Loop EM Stations
- Canada Coast
- Q7_leasing_may2001_dd.shp

Map Projection Details:
 Transverse Mercator Projection
 Spheroid: Clarke 1866; Description: UTM - 1927 ; Zone 19
 Central Meridian: -69; Prime Meridian: 0
 False Easting: 500000; Northing: 0
 Reference Latitude: 0; Scaling Factor: 0.9996

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Date:	19.Sep:2001
Author:	Louisa McCall
Revised:	< >

Quebec 7 Project
Protem Moving Loop Stations - Block 12
Figure # 8b

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Plan No.	< >

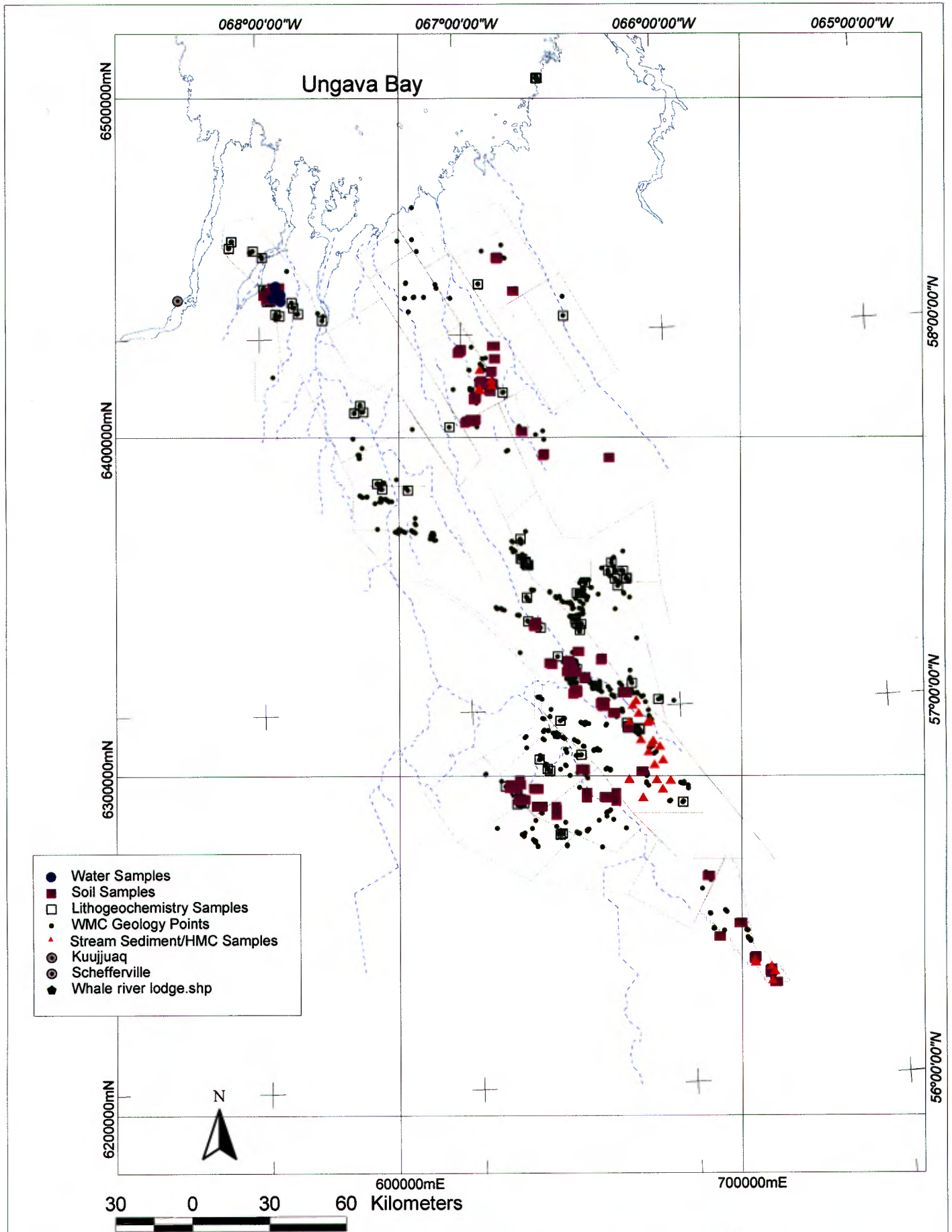


Figure 9: Geochemistry Sample Locations

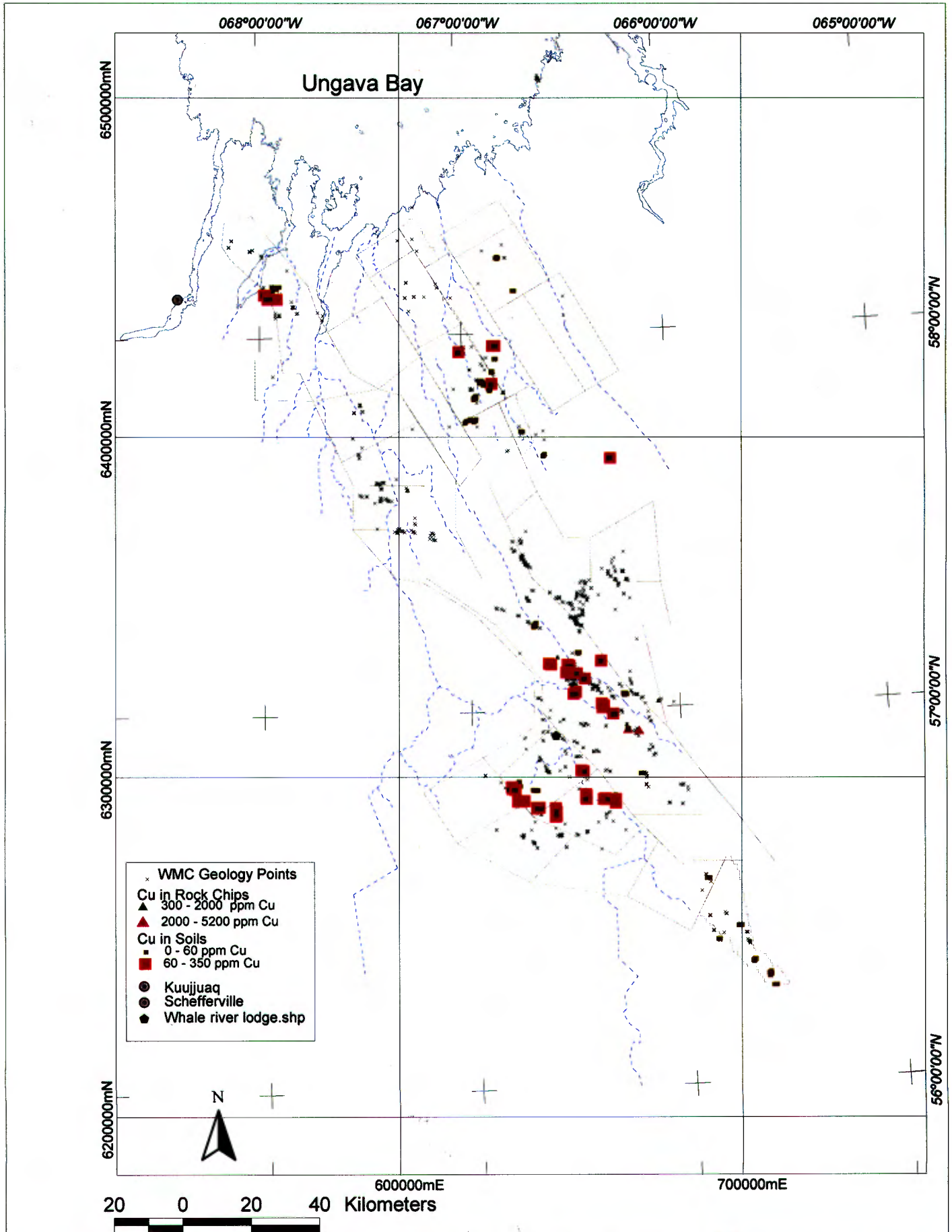


Figure 10: Anomalous Cu in Soil and Rock Chip  WMC International Limited

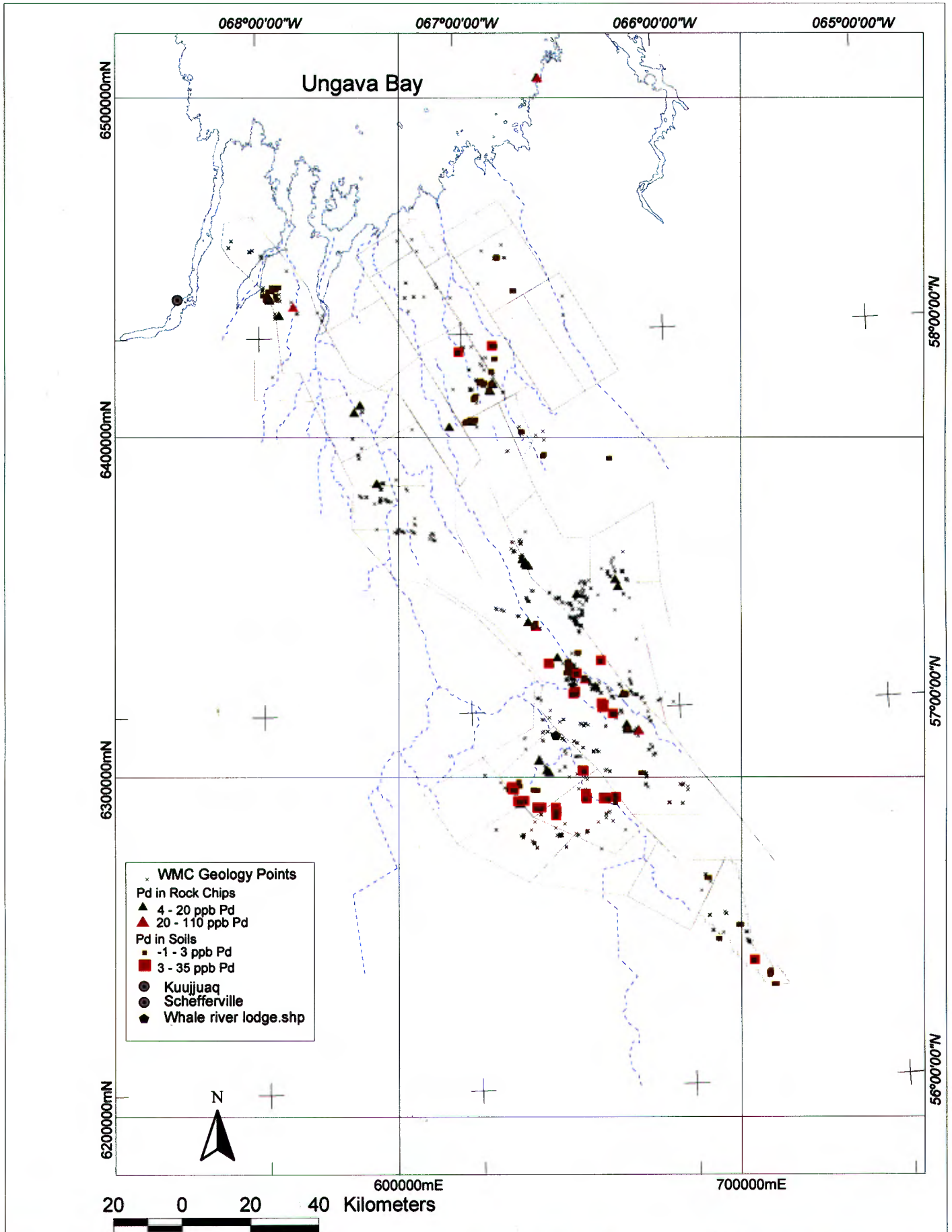


Figure 11: Anomalous Pd in Soil and Rock Chip  WMC International Limited

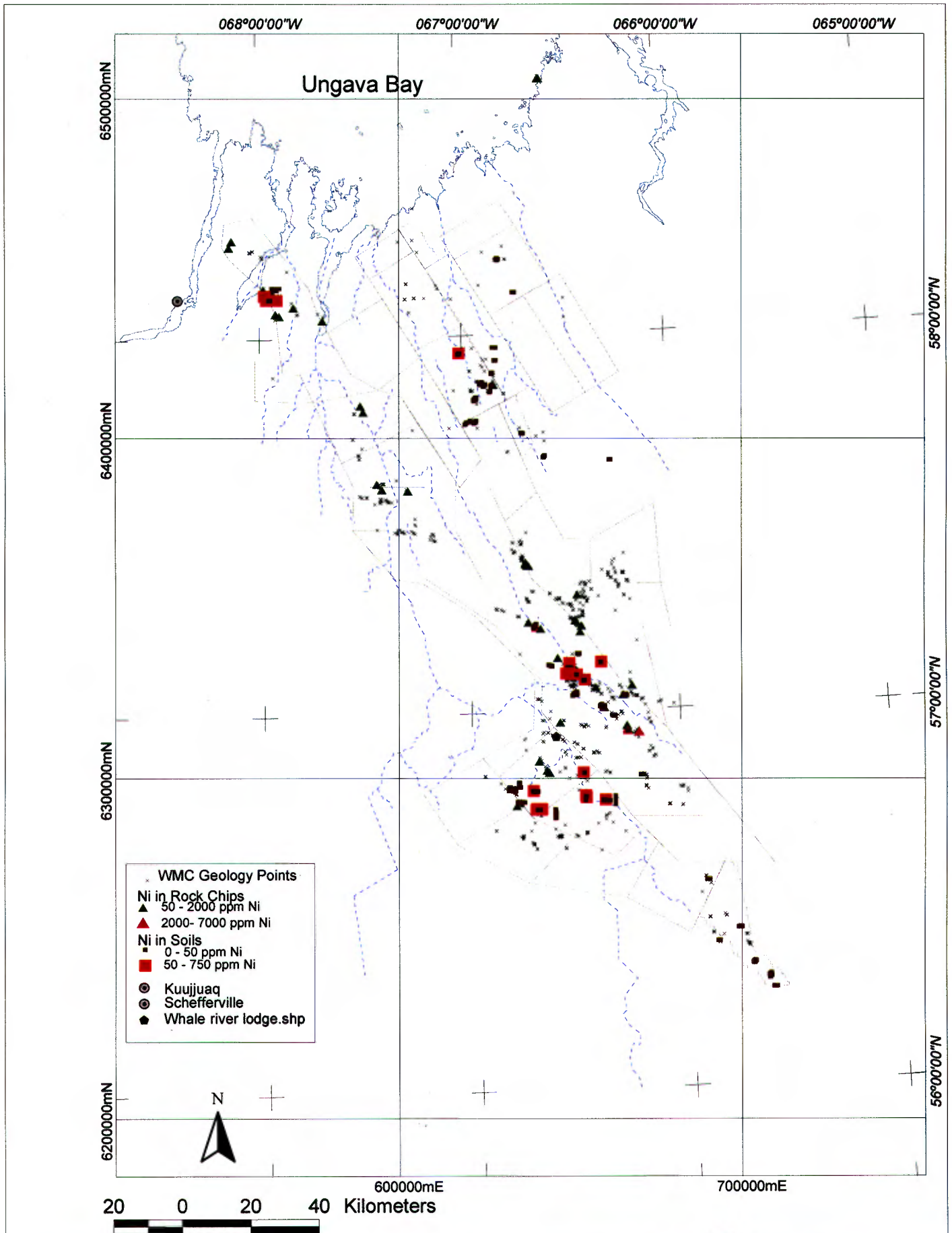


Figure 12: Anomalous Ni in Soil and Rock Chip



Appendix 1

Certificates of Qualifications

Certificate of Qualification

I, William James McKinnon-Matthews of 3940s Vincennes Ct, Denver Colorado, USA 80237, do certify that:

1. I graduated from The University of Newcastle, Australia with a Bachelor of Science degree (Geology) in 1989.
2. I graduated from University of Newcastle with an Honours degree in Science (Geology) in 1990.
3. I have practiced my profession since 1990.
4. The data presented in this report is based on a review of the data and reports listed as reference in this report, and upon the results of the work conducted by WMC International Limited and its contractors during 2001.
5. I am Senior Geologist for WMC Corporate Services.



William James McKinnon-Matthews

Certificate of Qualification

I, Mary Stollenwerk of 1376 Pearl Street, Denver, Colorado 80203, USA, do certify that:

1. I graduated from New Mexico Tech with a Bachelor of Science degree in Geology in 1987.
2. I graduated from the Colorado School of Mines with a Professional Degree in Exploration Geology in 1995.
3. I have practiced my profession since 1987.
4. The data presented in this report is based on a review of the data and reports listed as reference in this report, and upon the results of the work conducted by WMC International Limited and its contractors.
5. I am a Consulting Geologist under contract to WMC International Limited.



Mary Stollenwerk

Certificate of Qualification

I, Louisa McCall of 5A Turton St, North Fremantle, Western Australia, do certify that:

1. I am a Geophysicist.
2. I graduated from The University of Western Australia, with a Bachelor of Science (Hons) in Geology and Geophysics, in 1994.
3. I have practiced my profession since 1994.
4. The data presented in this report is based on a review of the data and reports listed as reference in this report, and upon the results of the work conducted by WMC International Limited and its contractors during 2001.
5. I am an Exploration Geophysicist for WMC International Limited.

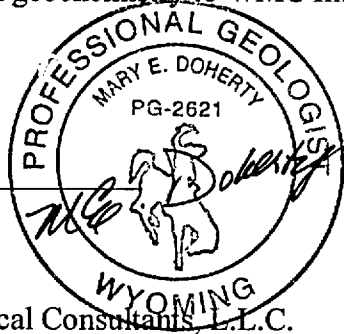
L.M. McCall

Louisa M. McCall

Certificate of Qualification

I, Mary E. Doherty of 5763 Secret Court, Golden, Colorado 80403 U.S.A., do certify that:

1. I am a Professional Geologist (PG-2621, Wyoming).
2. I graduated from Queen's University with a M.Sc. in Exploration Geochemistry in 1982.
3. I graduated from the University of Colorado with a Bachelor's of Art Degree in Geology in 1980
4. I have practiced my profession since 1977.
5. The data presented in this report is based on a review of the data and reports listed as reference in this report, and upon the results of the work conducted by WMC International Limited and its contractors during 2001.
6. I am a Principal Geochemist in International Geochemical Consultants, L.L.C, consulting in geochemistry to WMC International Limited.



Mary E. Doherty
Principal Geochemist
International Geochemical Consultants, L.L.C.

Appendix 2
Summary of Expenditures

Appendix 3

Land Status

Quebec 7ject
Status of Mining Exploration Licences

Licence #	Area (km ²)	Recording Date	Renewal Date	Expiry Date	Assessment Due		Comments
					Annual Fee	2001	
PEM0001561	387.00	30-Sep-00	29-Sep-01	29-Sep-05	\$38,700.00	\$38,700.00	Complete retention
PEM0001562	396.10	30-Sep-00	29-Sep-01	29-Sep-05	\$39,610.00	\$39,610.00	Complete retention
PEM0001563	390.90	30-Sep-00	29-Sep-01	29-Sep-05	\$39,090.00	\$39,090.00	Partial relinquishment of 85.14 km ²
PEM0001564	395.50	30-Sep-00	29-Sep-01	29-Sep-05	\$39,550.00	\$39,550.00	Partial relinquishment of 233.43 km ²
PEM0001565	382.10	30-Sep-00	29-Sep-01	29-Sep-05	\$38,210.00	\$38,210.00	Partial relinquishment of 300.40 km ²
PEM0001566	392.00	30-Sep-00	29-Sep-01	29-Sep-05	\$39,200.00	\$39,200.00	Complete relinquishment
PEM0001567	391.40	30-Sep-00	29-Sep-01	29-Sep-05	\$39,140.00	\$39,140.00	Partial relinquishment of 292.35 km ²
PEM0001568	386.80	30-Sep-00	29-Sep-01	29-Sep-05	\$38,680.00	\$38,680.00	Complete relinquishment
PEM0001569	396.80	30-Sep-00	29-Sep-01	29-Sep-05	\$39,680.00	\$39,680.00	Complete retention
PEM0001570	397.70	30-Sep-00	29-Sep-01	29-Sep-05	\$39,770.00	\$39,770.00	Complete retention
PEM0001571	395.80	30-Sep-00	29-Sep-01	29-Sep-05	\$39,580.00	\$39,580.00	Complete retention
PEM0001572	394.90	30-Sep-00	29-Sep-01	29-Sep-05	\$39,490.00	\$39,490.00	Complete retention
PEM0001573	396.70	30-Sep-00	29-Sep-01	29-Sep-05	\$39,670.00	\$39,670.00	Partial relinquishment of 342.84 km ²
PEM0001574	394.40	30-Sep-00	29-Sep-01	29-Sep-05	\$39,440.00	\$39,440.00	Complete retention
PEM0001575	397.10	30-Sep-00	29-Sep-01	29-Sep-05	\$39,710.00	\$39,710.00	Complete retention
PEM0001576	395.90	30-Sep-00	29-Sep-01	29-Sep-05	\$39,590.00	\$39,590.00	Complete relinquishment
PEM0001577	161.80	30-Sep-00	29-Sep-01	29-Sep-05	\$16,180.00	\$16,180.00	Complete relinquishment
PEM0001578	116.60	30-Sep-00	29-Sep-01	29-Sep-05	\$11,660.00	\$11,660.00	Complete retention
PEM0001589	388.90	14-Oct-00	13-Oct-01	13-Oct-05	\$38,890.00	\$38,890.00	Complete retention
PEM0001590	380.58	14-Oct-00	13-Oct-01	13-Oct-05	\$38,058.00	\$38,058.00	Complete retention
PEM0001591	391.16	14-Oct-00	13-Oct-01	13-Oct-05	\$39,116.00	\$39,116.00	Partial relinquishment of 138.84 km ²
PEM0001592	383.44	14-Oct-00	13-Oct-01	13-Oct-05	\$38,344.00	\$38,344.00	Complete relinquishment
PEM0001593	399.38	14-Oct-00	13-Oct-01	13-Oct-05	\$39,938.00	\$39,938.00	Partial relinquishment of 178.84 km ²
PEM0001594	399.16	14-Oct-00	13-Oct-01	13-Oct-05	\$39,916.00	\$39,916.00	Complete relinquishment
PEM0001595	399.53	14-Oct-00	13-Oct-01	13-Oct-05	\$39,953.00	\$39,953.00	Complete retention
PEM0001596	393.29	14-Oct-00	13-Oct-01	13-Oct-05	\$39,329.00	\$39,329.00	Partial relinquishment of 147.61 km ²
PEM0001597	390.94	14-Oct-00	13-Oct-01	13-Oct-05	\$39,094.00	\$39,094.00	Complete relinquishment
PEM0001598	390.86	14-Oct-00	13-Oct-01	13-Oct-05	\$39,086.00	\$39,086.00	Complete retention
PEM0001599	360.96	14-Oct-00	13-Oct-01	13-Oct-05	\$36,096.00	\$36,096.00	Complete relinquishment
PEM0001600	152.14	14-Oct-00	13-Oct-01	13-Oct-05	\$15,214.00	\$15,214.00	Complete relinquishment
PEM0001609	208.25	31-Oct-00	30-Oct-01	30-Oct-05	\$20,825.00	\$20,825.00	Partial relinquishment of 36.68 km ²
PEM0001613	292.31	22-Nov-00	21-Nov-01	21-Nov-05	\$29,231.00	\$29,231.00	Complete retention
PEM0001615	380.37	24-Nov-00	23-Nov-01	23-Nov-05	\$38,037.00	\$38,037.00	Complete retention
PEM0001616	382.14	24-Nov-00	23-Nov-01	23-Nov-05	\$38,214.00	\$38,214.00	Complete retention
PEM0001617	400.00	24-Nov-00	23-Nov-01	23-Nov-05	\$40,000.00	\$40,000.00	Complete retention
PEM0001618	383.62	24-Nov-00	23-Nov-01	23-Nov-05	\$38,362.00	\$38,362.00	Complete relinquishment
	<u>13,046.53</u>				<u>\$1,304,653.00</u>	<u>\$1,304,653.00</u>	

Note: area of license (second column) does not reflect reduction due to partial relinquishment

October 11, 2001



EXPLORATION

Mr. Denis Martel
Ministère des Ressources naturelles
5700, 4ième Avenue Ouest, local C-408
Charlesbourg, Québec
G1H 6R1

REÇU AU MRN
2001-10-17
BUREAU DU REGISTRAIRE

Dear Mr. Martel,

RE: Translation of Annual Report

Please find enclosed a copy of the French translation of the Annual Report of Mining Work for the Quebec 7 Project sent to your office on September 21, 2001. WMC would like to apologize for not sending this with the English version.

If you have any questions, please do not hesitate to contact me at (613) 727-3937 extension 36, or Jim McKinnon-Matthews at (303) 268-8328.

Sincerely,

Stuart W. Deveau
Land & Drafting Administrator

cc. J. Mckinnon-Matthews

MRN-GÉOINFORMATION 2002

GM 59375

WMC International Limited
Americas Division
Exploration

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*A member of the WMC Limited
group of companies*

1.0 Sommaire

Le Projet Québec – 7 est un projet d'exploration de base (grassroot) appartenant à 100% à WMC International Ltd. Il est situé dans la région du Nunavik dans le nord du Québec, entre les villes de Kuujuaq, Kangirsualujuaq et Schefferville. Le projet s'étend sur une surface approximative de 13 514 km² et consiste en 36 permis d'exploration et trois blocs de claims (regroupant 1050 claims).

Les travaux effectués dans le périmètre du projet sont les suivants: prospection et cartographie géologique, levés aéroportés magnétiques et électromagnétiques (AEM), de la géophysique au sol tels que la gravité, l'électromagnétique de surface (EM), chacun d'entre eux incluant des levés Max Min de même que des levés UTEM, des levés de géochimie de surface (sédiments de ruisseaux, sol et humus). Les autres travaux ont consisté en neuf forages au diamant complétés par de l'électromagnétique (EM) effectués dans chacun des trous en question. Les travaux de terrain au sol ont commencé en avril 2001. Le sommaire des travaux complétés se retrouve dans le tableau 1.

Tableau 1: Sommaire des travaux complétés		
Type de levés	Quantité	Dates du levé
Magnétiques aéroportés	62 620 km de lignes	octobre 2000 - février 2001
EM aéroporté	41 320 km de lignes	mars-août 2001
Gravité	2 583 stations	juillet-août 2001
EM au sol	108,25	mars-août 2001
Cartographie géologique et échantillonnage de roche	113 échantillons	août 2001
Échantillonnage de sédiments de ruisseaux	29 échantillons	juillet 2001
Échantillons de concentré de métaux lourds	6 échantillons	juillet 2001
Échantillons de sol	837 échantillons	juillet-août 2001
Échantillons d'humus	136 échantillons	juillet 2001
Forage	9 trous, 3040 mètres	avril, juillet 2001
Échantillons d'eau	47 échantillons	avril, août 2001

De la minéralisation de sulfures Ni/Cu/PGE, à même des affleurements, a pu être identifiée en de nombreux endroits sur le périmètre du projet et les levés mentionnés ci-dessus ont visé les sites où étaient concentrés le nickel, le cuivre et les PGE. Les résultats des travaux en question se trouvent dans les paragraphes qui suivent.

Géologie

La firme WMC a ciblé la région au début de 2000 en considérant son potentiel d'abriter des minéralisations Ni/Cu importantes basées sur des modèles conceptuels internes de même que sur les campagnes de levées gouvernementales. On a confirmé très tôt, au cours de la phase de vérification de terrain du programme, que ce potentiel pouvait s'actualiser et cela a conséquemment entraîné en l'appropriation de droits miniers sur de larges bandes de terrains.

Outre la minéralisation identifiée au cours de la campagne d'exploration de l'été 2000 sur les sites Papavoine, Baleine, Marraliup et Bonne Une, des positions minéralisées ou *chapeau de fer*

(*gossan* en anglais, terme utilisé dans le présent rapport) ont été découvertes en abondance sur d'autres sites: A14E, A14W, A17-1 de même sur la position minéralisée de Libby. Ces sites sont décrits de façon détaillée dans la section 8.4.2. .

Géophysique

Un levé aérien magnétique sur 62 600 km de lignes a été complété en janvier 2001 par la firme SIAL Geosciences. À la suite de ce programme, un survol EM a été effectué sur des régions choisies suite à l'interprétation des données aéromagnétiques. Le levé aérien EM a été effectué en trois phases totalisant 41 320 km de lignes. Ce levé a permis d'identifier 220 anomalies AEM.

Un suivi de géophysique au sol a été réalisé, comprenant des levés EM en surface et dans les trous de forage de même que des levés de gravité au sol au-dessus des anomalies aériennes EM. Des échantillons spécifiques de carottes de forage ont été analysés pour déceler divers paramètres pétrophysiques de façon à compléter la conciliation des anomalies.

Géochimie

Un certain nombre de levés géochimiques ont été réalisés dans le périmètre du projet ce qui inclut l'échantillonnage des sédiments de ruisseaux (et les *HMC*), des échantillons de sols, d'humus, d'eau et de fragments de roches tel que mentionné dans le tableau ci-dessus. Ces levés ont été conçus dans le but d'aider à tester et à établir une priorité parmi les conducteurs décelés lors des levés aéroportés EM.

2.0 Introduction

Ce présent rapport dresse un sommaire des résultats et des coûts associés au programme d'exploration 2000-2001 du Projet Québec 7 (à 100% WMC). Les travaux comprenaient la cartographie géologique, la prospection, l'échantillonnage des tills, des sédiments de ruisseaux, des sols et d'humus, les levés géophysiques en vol et au sol, le forage au diamant de même que l'analyse des échantillons. Ces levés furent conçus dans le but de déceler de nouvelles zones minéralisées de même que pour exercer un suivi sur les minéralisations Ni/Cu/Co/PGE identifiées au cours des activités d'exploration de l'été 2000 qui ont été exécutées dans l'ensemble de la région sur une grande échelle.

Cette région étant très éloignée, il n'y existe que peu ou pas de données historiques enregistrées. Il en résulte, qu'en raison de l'extrême éloignement, les dépenses associées aux travaux ont été très élevées. Le total des coûts pour l'ensemble du projet, pour la période couverte par ce rapport, est de 568 978 \$ CAN.

Compte tenu du fait que ce projet regroupe 36 permis d'exploration, le présent rapport décrit dans le détail, chacun de ceux-ci. Les coûts rattachés à chacun de ces permis se retrouvent sous forme détaillée dans l'appendice 2.

3.0 Localisation et accès

La région du Projet Québec 7 (Figure 1) se trouve directement au sud de la Baie de l'Ungava, à même le territoire inuit du Québec (Canada) auquel on réfère sous le nom de Nunavik. Kuujuaq à la fois ville principale et centre administratif du Nunavik, est située sur le fleuve Koksoak à approximativement 50 km en amont de la Baie de l'Ungava (Figure 1). Kuujuaq est desservie par des vols quotidiens en provenance de Montréal et elle regroupe une population d'environ 1 800 habitants. Au cours des mois d'été (de juin à septembre), la plupart des marchandises en vrac de même que le carburant sont acheminés par mer vers la ville.

4.0 Titres de propriété

La figure 2 illustre la localisation et les formes de tenure qui englobent le projet Québec 7. La propriété consiste en 36 permis d'exploration minière et regroupe 1051 cartes de claims désignés totalisant approximativement 13 514 km². L'appendice 3 donne les renseignements détaillés sur chacun titres.

5.0 Communautés

Le Projet Québec 7 prend en considération l'importance accordée au milieu naturel dans son lien avec le mieux-être économique, social et culturel des communautés vivant dans la région d'exploration. Ainsi, il en découle que les efforts consentis dans le domaine de la protection de l'environnement constituent une part importante des énergies investies dans l'ensemble du projet à l'égard des relations avec les communautés.

Consultations auprès des communautés

WMC International Limited a pour politique qu'il est acquis que les communautés vivant au pourtour ou sur le territoire d'exploration soient avisées des intérêts de WMC et soient informées au sujet des activités liées au projet. Des rencontres préliminaires ont été tenues avant même que les droits miniers soient émis par le Gouvernement du Québec de façon à sensibiliser les décideurs locaux à Kuujjuaq quant aux intérêts et aux activités de WMC. Ces rencontres se sont poursuivies tout au long de la première année du projet Québec 7. Dans le but de bien circonscrire les intérêts liés à l'utilisation du territoire dans la région, plus spécifiquement au nord du 55^{ième} parallèle, les efforts de consultation ont été élargis de façon à inclure les communautés de Schefferville et de Kawawachikamack. Les séances de consultation qui ont été tenues dans ces communautés sont décrites dans le tableau 2 qui suit.

2000	Lieu	Participants
26 septembre	Kuujjuaq	Kuujjuaq Landholding Corporation, Makivik, Municipalité de Kuujjuaq, Gouvernement régional de Kativiq (GRK)
15 - 17 décembre	Schefferville	Directeur-général, Nation Naskapi de Kawawachikamack
2001		
7 Mars	Kuujjuaq	Kuujjuaq Landholding Corp., Makivik, KRG, Comité des chasseurs et trappeurs, Nunavik Mineral Exploration Fund
8 Mars	Schefferville et Kawawachikamack	Citoyens de Schefferville; chef et le député de Kawawachikamack
11 Juin	Schefferville et Kawawachikamack	Citoyens de Schefferville; chef et le député de Kawawachikamack
12 Juin	Kuujjuaq	Kuujjuaq Landholding Corp.; Makivik, GRK, Comité des chasseurs et trappeurs

L'effort de consultation auprès des Inuits incluait une visite au camp de terrain par un « aîné » accompagné d'un membre du Comité des chasseurs et trappeurs de Kuujjuaq. Lors de cette visite, la prépondérance accordée à la culture ainsi que la valeur du territoire a été passée en revue en présence du personnel de terrain et ce, avant que la campagne de forage du printemps soit amorcée.

Lors de la plus récente séance de consultation (le 12 juin 2001) on y a appris que nos terrains sous permis d'exploration incluaient des terres traditionnellement utilisées par les gens de Kangiqsualujuaq. Il en a résulté un engagement d'inclure ce point lors notre prochaine visite de consultation dans la région. Les rapports d'avancement du projet et les plans de travaux ont été conçus et traduits pour distribution dans les communautés. Bien que les efforts d'intéresser et de faire participer les Montagnais de Schefferville à ces consultations n'ont pas porté fruits à ce jour, nous n'avons pas l'intention d'abandonner sur ce sujet.

Les objectifs des consultations consistent à informer les communautés au sujet des activités d'utilisation des terres sur leurs territoires traditionnels de cueillette de même qu'à renseigner les entrepreneurs locaux et les travailleurs au sujet des besoins liés au projet en les encourageant à pourvoir le projet en biens et services. La coopération et le support manifestés par les personnes et les entreprises de Kuujjuaq, Schefferville, et Kawawachikamack sont reçus avec appréciation et gratitude. Un sommaire de la valeur de la participation économique pour la région et la province sera inclus dans le Rapport d'avancement du projet et sera publié à temps pour la prochaine visite des communautés prévue en novembre 2001.

6.0 Contexte géologique

Le Projet Québec 7 se trouve à l'est de la fosse du Labrador ou *Origine du Nouveau Québec*, dans la région reconnue comme étant une portion du Domaine archéen de Rae. La région a été cartographiée par la Commission géologique du Canada (GSC) comme étant constituée de multiples unités gneissiques déformées ainsi que d'un intrusif granitoïde à déformation variable (le batholithe de Pas) (figure 3). Les unités gneissiques se présentent principalement comme des paragneiss quartzo-felspathiques avec des quantités variables de biotite, sillimanite, magnétite, graphite et d'amphibole. Plus rarement, à la base des gneiss, on retrouve des amphibolites métamorphosées et des unités ultramafiques. Chacune de ces unités mafiques est interprétée comme faisant partie des lithologies du soubassement (socle). Ces types de roches de socle ont subi du métamorphisme régional de haut grade variant des amphibolites supérieures jusqu'au faciès de métamorphisme à granulite.

Des intrusions mafiques non déformées de composition allant des troctolites aux granodiorites, traversent les lithologies du soubassement. Ces intrusions mafiques encaissent les minéralisations cibles Ni/Cu/Co/PGE. Plusieurs affleurements de ces intrusions mafiques ont été repérés dans la vallée de la rivière à la Baleine. La distribution des intrusions mafiques qui ont été cartographiées se retrouve à la figure 4.

Au chapitre de la structure, le secteur est dominé par des traits structuraux de direction NNW parallèles à la fosse du Labrador. Deux de ces structures majeures sont connues sous le vocable de la zone de cisaillement de la rivière Georges (ZCRG) et la zone de cisaillement du lac Tudor (ZCLT), figure 3.

7.0 Travaux antérieurs (non WMC)

Géologie

Les données du rapport d'évaluation révèlent qu'aucun forage ni rapport d'exploration n'a été déposé dans le secteur du projet Québec 7 avant le programme de l'été 2000 de WMC. Les échanges avec les géologues du gouvernement indiquent que le secteur a très peu retenu d'attention en matière d'exploration dans le passé en raison de son éloignement et d'une perception à l'effet que le territoire en question ne comportait que peu d'attraction pour la prospection.

La géologie publiée par la GSC à l'échelle du 250k constitue la seule évaluation géologique systématique du secteur. On y révèle que la région a été historiquement considérée comme étant le Domaine archéen de Rae (Churchill) et qu'il consistait principalement d'un socle de gneiss, de migmatites et d'intrusions granitoïdes.

Géochimie

Le secteur a été couvert par une campagne de prélèvement d'échantillons de sédiments de lacs (1 échantillon /15-20km²). Ce levé s'intégrait dans le cadre d'une étude régionale de 1995 effectuée par des géologues du Gouvernement du Québec et qui englobait le secteur de notre projet.

Géophysique

Des données magnétiques régionales de la GSC avec un espacement de 1,6 km pour le magnétique et de 12 à 15 km pour la gravité sont accessibles pour l'ensemble du projet. Tout indique qu'il n'y a pas eu d'autre levé dans le secteur vu que le territoire en question ne comportait que peu d'attraction pour la prospection.

Travaux antérieurs de WMC

Avant même l'obtention de quelque permis d'exploration, WMC a réalisé, à terrain ouvert, de la cartographie géologique, de la prospection et du prélèvement *HMC* d'échantillons de sédiments de ruisseaux sur presque tout l'ensemble du territoire visé. Ces travaux, qui ont eu lieu entre la fin de juillet 2000 et la fin de septembre 2000, ont permis d'identifier des intrusions mafiques de type filon-couche disséminées sous une couverture de till glaciaire sur une superficie dépassant les 10 000 km². En général, ces intrusions recelaient généralement des traces de sulfures magmatiques et on a identifié en trois sites, Papavoine, Baleine et Bonne Une, des sulfures de contact basal ampoulé (*blebby*) à matriciel (Po-Pn-Cpy). Les meilleures teneurs obtenues à ce jour, proviennent d'un fragment de roche contenant 1,2% Ni, 0,5% Cu, 617 ppm Co avec des taux élevés de PGE au sein d'une brèche sur le contact basal d'un leuco-troctolite avec des migmatites/gneiss felsiques sur l'indice de Papavoine. C'est en se basant sur ces informations de terrain que les secteurs compris dans ce qui consitue, à l'heure actuelle, le Projet Québec 7, ont été réservés pour des permis (Figure 2).

Comme ces travaux antérieurs ont été exécutés à terrain ouvert avant l'obtention des permis d'exploration, il est entendu que les données associées à ces travaux ne nécessitent pas d'être présentées. Les coûts associés à ce programme de l'été 2000 ne sont pas inclus dans le présent rapport.

8.0 Travaux exécutés par WMC

8.1 Programmes de géophysique de 2000-2001

Un levé aéromagnétique de 62 600 km de lignes a été réalisé en janvier 2001 par SIAL Geosciences. Puis, un levé aérien EM, totalisant 41 320 km de lignes a été effectué au-dessus de secteurs choisis en interprétant les données aéromagnétiques. Le levé aérien EM a été réalisé en trois phases. La première était basée à Kuujjuaq et a totalisé des vols sur au-dessus de 15 078 km de lignes. La base des opérations a ensuite été transférée à Schefferville et ainsi, 6 546 km de lignes ont été survolées au-dessus du secteur plus au sud. Puis, la base des opérations a été ramenée à Kuujjuaq et un autre bloc de données totalisant 19 696 km de lignes a été survolé.

Un suivi de géophysique au sol a été effectué au moyen de levés EM en surface et dans les trous ainsi que des levés de gravité au sol sur les anomalies aériennes EM. Des échantillons de carottes choisies spécifiquement ont également été analysées en fonction de paramètres pétrophysiques de façon à aider à la conciliation des anomalies.

Les grands traits de tous les levés de géophysique apparaissent à la figure 5.

8.1.1 Levé magnétique aéroporté

Le principal objectif du levé aéromagnétique était de renforcer la cartographie géologique. Le levé a débuté le 25 octobre 2000 et a été complété le 30 janvier 2001. Il a été réalisé par SIAL Geosciences (qui fait maintenant partie du groupe FUGRO). Un total de 62 620 km de lignes de levé aérien a été exécuté sur des lignes de traverses orientées 070, avec un espacement

de 400 m et une élévation nominale de 100 m. Des lignes de raccord espacées de 4 000 m ont été survolées perpendiculairement aux lignes de vol.

8.1.1.1 Périmètre du levé

Le secteur du levé aéromagnétique s'étend sur 280 km au SSE de la baie d'Ungava dans le nord du Québec jusqu'à l'est de Schefferville. La superficie du levé s'insère dans un polygone délimité par les coordonnées UTM19 NAD27 suivantes.

	730407E, 6222841N
	710234E, 6215925N
Nombre de points: 17	674270E, 6263531N
540328E, 6468825N	644992E, 6270217N
551048E, 6472514N	620094E, 6307794N
552947E, 6465200N	635194E, 6313788N
573179E, 6460295N	634042E, 6318975N
646145E, 6487268N	604072E, 6352173N
677152E, 6431132N	592314E, 6347447N
691179E, 6355273N	554391E, 6401508N

Un plan des lignes de vol pour le levé magnétique se trouve à la carte 2.

8.1.1.2 Spécifications d'équipement

Tous les détails concernant les spécifications des équipements reliés au levé aéromagnétique se retrouvent dans l'appendice 4a.

8.1.1.3 Spécifications du levé

Tous les détails concernant les spécifications du levé aéromagnétique se retrouvent dans l'appendice 4a.

8.1.1.4 Résultats et interprétation des données

Les données numériques se retrouvent dans l'appendice 4a et un plan des isocontours des données aéromagnétiques se retrouve sur la carte 3.

8.1.2 Levé EM aéroporté

Un important levé EM aéroporté a été effectué au-dessus du secteur du projet entre les mois de mars et d'août 2001. L'objectif du levé EM aéroporté (AEM) consistait à localiser les sulfures de métaux de base. Il a été survolé, en trois phases, par Fugro Airborne Surveys Corporation :

Table 3 Programme aéroporté EM

Levé	de	à	Base du levé	Km de lignes
Phase 1	2 mars 2001	6 avril 2001	Kuujjuaq	15 078
Phase 2	8 avril 2001	26 avril 2001	Schefferville	6 546
Phase 3	1 juillet 2001	21 août 2001	Kuujjuaq	19 696

La première phase a permis de compléter les blocs de vol 1 à 6 avec Kuujjuaq comme base de départ. La phase deux a consisté à déplacer les opérations de base vers Schefferville et on y a volé deux blocs. Pour la phase trois, on est revenu à la base de Kuujjuaq, d'où l'on a survolé les blocs 7 à 13. Les détails concernant l'espacement des lignes et les directions pour chacun de ces blocs apparaissent dans l'appendice 4B. Un total de 41 320 km de lignes ont été survolées à une altitude nominale de 120 m.

8.1.2.1 Secteur du levé

Le secteur du levé qui a été survolé est délimité par les latitudes 54°58'N à 58°20'N et par les longitudes 64°59'W et 68°17'W. Les blocs individuels qui ont été survolés apparaissent à la figure 5 et le relevé des trajectoires de vol se retrouve sur la carte 4.

8.1.2.2 Spécifications d'équipement

Les spécifications des équipements reliés au levé AEM se retrouvent dans l'appendice 4b.

8.1.2.3 Spécifications du levé

Les spécifications et la logistique du levé AEM se retrouvent dans l'appendice 4b.

8.1.2.4 Résultats et interprétation des données

Les données numériques se retrouvent dans l'appendice 4b et un plan des isocontours des données AEM se retrouve sur la carte 5.

8.1.3 Levé EM au sol

Un levé au sol UTEM à boucle (loop) fixe a débuté le 27 mars 2001 à Papavoine Hill dans le but de mieux définir les conducteurs identifiés à partir du levé aérien EM de même que pour faciliter le choix des sites de forage. Le levé a été réalisé par Lamontagne Geophysics et un total 55,85 km de lignes ont été compilées.

Un levé EM à boucle mobile a été réalisé par Abitibi Geophysics au cours du mois de juin 2001 en utilisant le MaxMin pour une fréquence de boucle horizontale dans le domaine EM. Le relevé n'a pas été effectué sur une grille détaillée mais plutôt sur des traverses uniques, isolées, par dessus les anomalies individuelles aériennes EM (AEM). L'objectif du levé consistait à localiser rapidement au sol, les anomalies régionales AEM et à mieux déterminer leur profondeur, leur inclinaison et leur conductivité. Un total de 35,6 km de lignes a été compilé.

Au cours du mois d'août 2001, Discovery Geophysics Ltd a complété 9 lignes additionnelles de boucles mobiles Protem de même qu'un levé à boucle fixe. Le relevé a été effectué par dessus cinq anomalies AEM qui avaient des anomalies de gravité coïncidentes ou géochimiques, dans le but de localiser plus précisément et mieux définir les conducteurs souches. Un total de 16,8 km de lignes a été compilé.

8.1.3.1 Périmètre du levé

Le levé UTEM était confiné dans un périmètre limité par :

644000E 6322000N	653000E 6338000N
644000E 6338000N	644000E 6322000N

Des relevés plus détaillés ont été effectués dans certains secteurs de ce périmètre. Une description complète de la localisation du levé UTEM se trouve dans l'appendice 4c.

La localisation des traverses MaxMin se trouve à la Figure 7.

Les lignes Protem à boucle mobile ont été disposées au-dessus des anomalies individuelles AEM et ce, selon des orientations variées. La figure 8 montre les lignes de levé Protem à boucle mobile et celles à boucle fixe.

8.1.3.2 Spécifications d'équipement

Les spécifications des équipements reliés au levé UTEM se retrouvent dans l'appendice 4c.

Le levé Max Min a été réalisé en utilisant un Apex Max Min 1 standard. L'espace de séparation (coil) et les fréquences sélectionnées s'appuyaient sur les conditions locales de terrain et leur inscription se trouve dans les classeurs de données.

Le levé Protem a été effectué au moyen d'un récepteur Geonics Protem et d'un transmetteur EM57, les deux munis d'une boucle de transmission de 100 x 100 m. Les levés ont été compilés selon des fréquences de 30Hz, ou de 7,5 Hz telles qu'elles apparaissent dans le tableau suivant :

Tableau 4 Programme de levé Protem

Type de levé	Secteur du levé	Fréquence	Canaux	Courant
Boucle mobile	A1-2	7,5 Hz	30 (27,9ms)	12
Boucle mobile	A8-1	30 Hz	20 (6,9ms)	12
Boucle fixe	A8-1	30 Hz	20	12
Boucle mobile	A11-1	7,5 Hz	30	12
Boucle mobile	A17-1	7,5	30	12
Boucle mobile	Bloc 12	7,5	30	12

8.1.3.3 Spécifications du levé

Les spécifications du levé UTEM se retrouvent dans l'appendice 4C.

Les lignes de levé Max Min ont été balisées à des intervalles de 25 m en utilisant un GPS pour déterminer les points de départ et d'arrivée; les stations individuelles ont ensuite été localisées au moyen d'une chaîne à mesurer. En règle générale, la topographie était très peu accentuée et aucune correction de pente a dû être effectuée dans les données.

Les lignes de levé Protem ont été également balisées en utilisant un GPS de navigation en mode différentiel. L'espacement entre les stations était entre 25 m et 50 m le long des lignes.

8.1.3.4 Résultats et interprétation des données

Les profils de tous les profils Max Min se trouvent dans l'appendice 4d. Les tracés de tous les profils Protem se trouvent dans l'appendice 4e.

Les données des levés UTEM (tant en surface que dans les fonds de trous) sont tracées dans l'appendice 4C. L'interprétation des données UTEM suivra.

Un contrat a été octroyé à Lamontagne Geophysics pour effectuer un levé à boucle fixe de même que de nombreux levés DHEM sur l'indice de Papavoine Hill. Il faut référer à l'appendice 4c pour la localisation des boucles des transmetteurs Em de surface UTEM, des stations de levé et des boucles des transmetteurs DHEM. Un certain nombre d'anomalies TEM ont été identifiées dans le secteur du levé. On trouvera ci-dessous, l'interprétation des EM de surface ainsi que des anomalies EM dans les trous (in-hole)

Anomalie 1 Boucle 1

TEM de surface

Presque toutes les lignes comportent une importante anomalie d'une largeur typique variant de 700 à 1000 m. Cette anomalie est visible en début et au milieu de la fenêtre d'acquisition (early to middle time) et elle n'est généralement pas visible vers la fin de la fenêtre (late times). Cette anomalie a été modélisée utilisant un corps tabulaire à inclinaison large et aplatie avec une conductivité basse (typiquement moins de 100S). Cette faible valeur de conductivité laisse suggérer que la source ne s'apparente pas à des sulfures matriciels ou massifs. Les trous de forage QPD01005 et QPD01002 ont été faits pour tester cette anomalie. Les résultats issus de ces trous de forage étaient encourageants sans toutefois, constituer des intersections économiques.

Log DHEM QPD01002

Une zone de sulfures massifs et semi massifs se trouve dans le QPD01002 entre 118,83 m et 119,58m. Un creux dans l'amplitude (« pull down ») de la réponse DHEM est décelée à 118 m dans les canaux du début et du milieu de la fenêtre d'acquisition. On ne peut extrapoler de modèle quantitatif du log DHEM en raison de la faible réponse EM. Ceci laisse entendre que la zone de sulfures massifs se présente sous la forme de petites lentilles dotées d'une direction limitée et d'une extension en profondeur.

Log DHEM QPD01005

Le trou de forage QPD01005 n'a pas traversé de sulfure massif ou matriciel. Un log EM dans le trou a été effectué dans le trou de forage. La réponse DHEM était faible.

Anomalie 2 Boucle 1

TEM de surface

Deux anomalies sont visibles sur les lignes 6329400mN et 6329600mN. Une anomalie à courte longueur d'onde (Ligne 6329400mN, 651650mE-652000mE) se surimpose au-dessus d'une anomalie plus grande, plus étendue (Anomalie 1, Ligne 6329400mN, 651150mE-652000mE). Les trous de forage QPD01001 et QPD01004 ont été pratiqués en ciblant l'anomalie à courte longueur d'onde. Un paragneiss graphitique a été intersecté au sein des deux instances.

La forme d'onde transmettrice utilisée pour ces deux lignes était une forme d'onde triangulaire de 30 Hz. Des formes d'onde de plus basse fréquence (ex : forme d'onde de 4Hz) ont été utilisées dans toutes les lignes au nord et incluant 6329800mN de façon à mieux discriminer les plus petites anomalies conductives.

Log DHEM QPD01001

Une anomalie dans le trou, au début et au milieu de la fenêtre d'acquisition, se trouve dans le DHEM log à 70 m. Cette anomalie est en position de coïncidence avec une zone minéralisée repérée entre 67,15 m et 89 m (0,5% à 7% pyrrhotite). La réponse DHEM est trop faible pour pouvoir en extraire un modèle quantitatif.

Une anomalie hors trou (off-hole) est repérée à 115 m dans le log DHEM. Cette anomalie DHEM est coïncidente avec le contact inférieur. Ce contact inférieur se compose principalement de gneiss graphitique. Ainsi, l'anomalie hors trou est présumée être un paragneiss graphitique intersecté dans le trou de forage.

Log DHEM QPD01004

Une anomalie hors trou, vers la fin de la fenêtre d'acquisition, a été repérée dans log DHEM à 125 m. La réponse hors trou est mieux captée dans les données de la boucle 2. Une anomalie de début et de milieu de la fenêtre d'acquisition a été perçue dans le trou, à 130 m. On peut interpréter que les courants *eddy* mis en place dans le conducteur migrent, en fin de fenêtre, vers la partie la plus conductive de la masse. Il en est ainsi pour l'anomalie dans le trou de début et de milieu de la fenêtre et pour l'anomalie hors trou vers la fin de la fenêtre.

Les anomalies DHEM sont dans une position cohérente avec de la pyrrhotite semi massive et massive intercalée avec du graphite.

Anomalie 3 Boucle 1

EM de surface

Une forte anomalie est visible dans les données de la fin de la fenêtre (ch8-9), le long des lignes 6330400mN et 6330600mN. Une analyse simultanée des deux lignes suggère que la masse conductive est profonde et s'enlignait dans une direction NW-SE. Pour les besoins de modélisation, un corps tabulaire N-S a été utilisé. Le corps tabulaire de conductance modélisé (>4000S) était dans un ordre de grandeur un à deux fois plus grand que les autres plaques modélisées dans le secteur. Ceci pourrait laisser entendre que des sulfures massifs sont à la source de la réponse.

La réponse est atténuée dans les lignes plus au nord (Ligne 6330800mN), ce qui serait possiblement dû à :

- (i) Un conducteur peu profond (Ligne 6330800mN, 650050mE-650350mE) masque la réponse du conducteur plus profond.
- (ii) L'augmentation de la distance par rapport à la boucle transmettrice (boucle 1). La boucle transmettrice est située à environ 2,5 km de l'endroit où serait localisé le conducteur.
- (iii) Une faille interprétée comme étant latérale gauche (*sinistral*) NE-SW au milieu de la ligne 6330800mN.

Le trou de forage QPD01007 a atteint la cible du modèle EM de surface. Ce trou présente les résultats les plus encourageants à ce jour, avec l'intersection d'une large zone de minéralisation. L'intersection était en cohérence avec le corps tabulaire modélisé en profondeur. Les sulfures se présentaient sous une forme ampoulée dans l'ensemble de la roche encaissante. Des échantillons seront prélevés dans la carotte et acheminés pour mesurer les propriétés physiques afin de déterminer la conductivité de la roche.

Log DHEM QPD01007

Une anomalie tardive est visible dans la boucle 1 log DHEM à 340 m. L'anomalie est en dans une position de coïncidence avec la base du contact. Des concentrations de sulfures tachetés (blotchy) sont décelées entre 342,25 m et 447,0 m.

Une anomalie hors trou vers la fin de la fenêtre est visible dans les boucles 2 et 3 à 340 m. La réponse hors trou est plus forte dans la boucle 2. Le modèle DHEM final pour le QPD01007 consiste en deux corps tabulaires, l'un qui intersecte le trou et l'autre, hors trou vers l'ouest.

Anomalie 4

TEM de surface

Une forte anomalie peu profonde est visible entre 650050mE et 650350mE, le long de la ligne 6330800mN. Des données ont été colligées en utilisant la boucle 4 de façon à mieux définir l'anomalie. Le trou de forage QPD01003 a ciblé le modèle EM subséquent de surface. Un paragneiss graphitique a été intersecté entre 25,41 m et 46,88 m.

Log QPD01003 DHEM

Le trou de forage QPD01003 a été continué jusqu'à 560 m de façon à tester le troctolite-paragneiss. Un levé DHEM a été réalisé dans le trou. Une anomalie hors trou a été perçue à 550 m. Le corps tabulaire modélisé semble être un prolongement directionnel des corps tabulaires Em de surface modélisés, déterminés pour les lignes 6330200mN et 6330400mN.

Une anomalie dans le trou est perçue à 45 m. Il s'agit de la réponse du paragneiss graphitique.

Les lignes Protém qui ont été exécutées, ont confirmé la présence d'un conducteur peu profond à chacun des cinq sites de levé. Ces informations seront utilisées avec les autres données géologiques et géochimiques pour évaluer le potentiel de prospection de ces cibles.

8.1.4 Électromagnétique dans le trou

Tous les trous de forage ont été diagraphiés par DHEM lors de la complétion des forages. Les trous QPD01001 à QPD01007 ont été diagraphiés par Lamontagne Geophysics en utilisant le système UTEM tel que décrit plus haut à la section 8.1.3. Les spécifications du levé et les localisations des boucles sont décrites dans l'appendice 4c. L'interprétation se trouve plus haut dans la section 8.1.3.4.

Les trous de forage QPD01008 et QPD01009 ont été diagraphiés par Discovery Geophysics en utilisant le système Protém. Le récepteur Geonics Protém et le transmetteur EM57 ont été utilisés, avec une fréquence de 30Hz et en enregistrant sur 20 canaux. Deux boucles transmettrices mesurant 250 m x 300 m ont été utilisées. Pour le trou QPD01008, la boucle C a été centrée sur le collier du trou et la boucle E était située à l'est du trou. Une sonde Geonics à trois composantes a été utilisée pour enregistrer les composantes X, Y et Z dans le trou.

Les tracés des profils DHEM apparaissent dans l'appendice 4e. Les données DHEM pour le trou QPD01008 indiquent une petite anomalie hors trou avec le conducteur source localisé dans le plongement supérieur du trou de forage. Le trou QPD01009 a intersecté du graphite avec un peu de sulfures et le DHEM indique une anomalie en bordure du trou associée au conducteur intersecté.

8.1.5 Levé de gravité au sol

Discovery Geophysics a réalisé un levé de gravité au sol en juillet et en août 2001. Le but de ce levé était d'accumuler des profils de gravité sur les principales anomalies AEM présentant un intérêt afin à différencier le graphite et les sulfures mafiques encaissés.

8.1.4.1 Secteur du levé

Les données de gravité ont été colligées dans trois secteurs de levé : Bloc 1, Bloc 12 et dans plusieurs lignes discrètes sur des anomalies AEM. La carte 6 montre la localisation des stations de données de gravité.

8.1.4.2 Spécifications d'équipement

Le levé de gravité a été réalisé en utilisant deux compteurs de gravité Lacoste et Romberg , G747 et G743, propriété de WMC. Les élévations ont été étudiées au moyen d'un système GPS différentiel Ashtec Z-Surveyor RTK. Les stations de base ont été établies sur les collines proéminentes et toutes les lectures de gravité ainsi que les élévations étaient reliées à la station de base située à l'aéroport de Kuujuaq. Les détails concernant les bases des stations de gravité se retrouvent dans le tableau plus bas.

8.1.4.3 Spécifications du levé

Un total de 2581 stations de gravité ont été colligées sur des anomalies AEM choisies sur des traverses à espacement irrégulier, avec 500 m ou 100 m d'intervalle entre les stations. La localisation des stations a été enregistrée par repérage GPS dans des coordonnées NAD27 UTM19. L'inclinaison de la topographie locale a été enregistrée pour chaque station de façon à pouvoir faire les corrections de terrain au sein des données. Lors du traitement des données, on a observé que les effets de la topographie étaient très mineurs.

8.1.4.4 Résultats et interprétation des données

Les données Bouguer d'anomalies de gravité se retrouvent sur la carte 6.

Bases GPS	Coordonnées nord	Coordonnées est	Élev.	Description
Camp	6,312,032.28	646,135.90	202.977	Station de base de gravité au camp de rivière à la Baleine
A	6,304,825.74	672,649.00	410.562	SE de B
B	6,313,590.20	667,324.18	401.327	SE de C
C	6,322,651.39	661,476.57	385.359	SE de D
D	6,329,840.00	652,282.00	384.827	Base de GPS sur Papavoine Hill
E	6,340,602.00	648,369.64	325.345	NW de D
F	6,346,181.95	639,842.59	326.917	NW de E
G	6,319,284.13	648,418.46	324.807	Entre D et Camp, ligne 10
H	6,356,882.67	630,621.03	317.642	N de F
I	6,368,327.06	622,946.86	281.365	N de H
J	6,376,355.33	615,448.55	259.464	N de I
K	6,385,369.45	609,055.85	200.890	N de J
EA	6,350,768.26	651,415.25	330.902	N de E
EB	6,358,091.81	652,692.30	347.981	N de EA
EC	6,362,744.50	664,912.25	366.996	NE de EC
L	6,398,790.95	611,877.45	216.922	N de K
M	6,409,210.36	620,072.40	218.978	N de L
N	6,421,246.96	624,897.45	163.272	N de M
O	6,429,094.80	612,969.54	169.717	N de N
P	6,436,218.56	604,406.69	155.995	N de O
Q	6,449,508.76	602,686.74	96.214	N de P
R	6,459,803.37	605,994.14	100.219	N de Q
S	6,452,581.76	623,340.52	162.437	W de R
T	6,448,698.50	587,524.30	105.609	W de Q
U	6,445,763.90	573,463.75	79.137	W de T
V	6,440,431.68	561,565.50	136.927	W de U
W	6,441,892.78	547,885.18	83.672	W de V

8.1.5 Levé pétrophysique

Don Emerson a été engagé par contrat pour établir une analyse pétrophysique d'échantillons de carottes sélectionnées, recueillies dans les trous QPD01001 et QPD01004. Le but de l'analyse était de faire la conciliation des conducteurs Em qui avaient été ciblés par forage dans ces trous et d'arriver à une meilleure compréhension de la gravité et des données magnétiques. Les mesures pétrophysiques sont données dans l'appendice 4f.

8.2 Programme de forage au diamant de 2001

Le programme de forage de WMC s'est déployé en deux volets, l'un entre le 14 avril et le 7 mai et l'autre entre le 30 juin et le 7 juillet. Le tableau 2 indique que l'on a foré 3040 mètres répartis sur neuf trous. Le contracteur en forage était Boart Longyear de Val d'Or, Québec. Deux tours de forage Boart Longyear LF70 héliportables ont été utilisées pour forer. Les tours de forage, l'équipement de support et les produits de consommation ont été, dans un premier temps, transportés par la route vers Sept-Îles, puis en train de Sept-Îles à Schefferville, puis via un avion nolisé Single Otter de Schefferville au Lac Papavoine. Une fois arrivé au Lac Papavoine, l'équipement a été élingué par un hélicoptère de modèle A Star BA (sous contrat avec Canadian Helicopters de Montée Pilon, les Cèdres) vers les sites de forage et vers l'endroit dévolu pour la tente de carottage. Le carburant utilisé pour le forage, l'hélicoptère et le camp a été acheté à Kuujuaq et transporté soit par Otter ou par Twin Otter vers le Lac Papavoine ou vers le Whale River Lodge. Des carottes NQ 2 " ont été forées en utilisant des trépan de série 7 Boart Longyear. L'eau a été utilisée comme liquide de circulation. En aucun temps on a traversé du pergélisol et une pleine circulation des fluides a été maintenue dans tous les trous au cours des forages. Les trous ont été surveillés à l'aide d'un instrument Maxibor non-magnétique à réflexion légère.

Le programme de forage a été géré par le conseiller en forage de WMC en concertation avec le directeur du projet. Le premier programme de forage était supporté par neuf employés de Boart Longyear répartis comme suit : un contremaître de foreuses et quatre équipes de forage de deux personnes, ce qui a permis aux deux tours de forage d'opérer simultanément sur une base de deux quarts de travail. Le second programme de forage était doté de six employés de Boart Longyear répartis comme suit : un contremaître de foreuses, un assistant contremaître et deux équipes de forage de deux personnes, ce qui a permis à ce qu'une tour de forage soit en opération pendant que l'autre tour était déplacée par le contremaître et un aide.

Numéro de trou	Information sur l'ouverture des puits				
	Coordonnées est	Coordonnées nord	Azimuth	Inclinaison	Profondeur totale
QPD01001	651947.74	6329593.05	272	-60	216
QPD01002	652110.18	6330393.45	90	-61	213
QPD01003	650250.27	6330793.06	270	-76	583
QPD01004	651843.03	6329373.23	90	-80	215
QPD01005	651497.52	6330392.04	90	-80	372
QPD01006	651202.17	6323995.05	221	-45	179
QPD01007	650859.81	6330400.65	90	-80	447
QPD01008	650216.47	6330998.30	90	-80	648
QPD01009	667306.33	6314193.47	270	-80	183

La description des carottes a été faite dans une tente Jutland de 16'x14' chauffée et isolée avec un abri en contreplaqué pour la coupe des carottes. Les supports de carottes étaient faits de madriers de 2x4po transportés par la voie des airs avec le reste de l'équipement. Toutes les boues de la scie à carottes ont été récupérées et transportées vers des sites de disposition à Schefferville et à Kuujuaq. L'abri à carottes était situé sur les berges du Lac Papavoine, ce qui convenait tout à fait aux manœuvres de chargement et de déchargement sur le lac. L'équipe de description des carottes se composait du personnel suivant :

- Deux géologues de WMC pour la description des carottes.

- Un géotechnicien affecté à la coupe des carottes et au contrôle des échantillons.
- Deux employés locaux dédiés au stockage des boîtes de carottes, à l'étiquetage, à la préparation des échantillons et à prêter main forte aux géologues.
- Le conseiller en forage de WMC qui coordonne le forage à même l'abri des carottes.

WMC a mis de l'avant plusieurs initiatives environnementales au cours du programme de forage et a établi pour le projet, avant la mise en marche des travaux, un système de gestion de l'environnement. Des trousseaux d'absorption de déversement étaient disponibles sur les sites de forage de même que sur les lieux des caches de carburant où des nattes pour absorber l'huile devaient être placées dans des bacs sous les pompes. Les trous de forage étaient bouchés avec des bouchons de sécurité et cimentés à la base du till de surface. Des programmes d'échantillonnage d'eau ont été réalisés avant les forages dans les secteurs de forage proches de plans d'eau.

Les mesures de sécurité déployées pendant le programme de forage consistaient en :

- Des analyses de risque menées en utilisant la matrice de risque reliée aux opérations de terrain et aux forages de WMC.
- L'utilisation de réseaux de radios FM et de téléphones satellitaires.
- L'établissement de plans d'environnement, de santé et de sécurité pour le projet.
- Des procédures standard d'opération développées en fonction des hélicoptères de même que pour les personnes blessées ou disparues.
- De la formation pour le personnel de direction de WMC en matière de survie dans l'Arctique, de manipulations d'armes à feu, de récupération de déversement et de sécurité à l'égard des ours.
- De la formation interculturelle pour tout le personnel sur le site.
- Préparation à l'égard des procédures et des règles régissant le projet.
- Inspections mensuelles planifiées des tours de forage.
- Un jour de congé affecté à la sécurité.
- Des observations en matière de comportement sécuritaire données par le directeur de la sécurité de Boart Longyear.
- Des réunions hebdomadaires de sécurité réunissant tout le personnel sur le site du projet.
- Des ensembles de premiers soins pour traumatisme et des trousseaux personnelles de premiers soins disponibles sur le site.
- Une vérification externe pour tout contracteur en aviation avant d'être engagé.

8.2.1 Description des trous de forage au diamant

Les trous de forage sont résumés dans le texte qui suit. Pour plus de détails, veuillez consulter l'appendice 5b.

QPD01 001

Le trou QPD01001 a été foré de façon à intersecter un conducteur subvertical à 130 m et un conducteur horizontal à 300 m. Ces conducteurs ont été modélisés en se basant sur les levés UTEM au sol. Démarrant en surface par de la norite à gabbro à olivine, ce type de roche (ortho/clino - pyroxène, olivine, plagioclase) a dominé la stratigraphie de l'ensemble du trou jusqu'à l'éponte inférieure (*footwall*). D'une façon plus restreinte, de la troctolite, de la norite à pegmatite à gabbro à olivine, de la norite à gabbro à olivine leucocratique, de l'anothosite et des unités entremêlées d'unités de roches ignées mafiques et de paragneiss graphitiques ont été intersectées à même cet assortiment de roches ignées mafiques. Les zones de minéralisation dominantes s'échelonnaient de 2,8

à 13,25 m (3-5% de pyrrhotite), de 22,4 à 41,7 m (0,5 à 2 % de pyrrhotite), de 51,55 à 67,15 m (0,5 à 3% de pyrrhotite), de 67,15 à 89 m (0,5 à 7 % de pyrrhotite), avec quelques unes des meilleures zones de minéralisation se trouvant à même des paragneiss graphitiques partiellement digérés par des roches ignées mafiques. La chalcopryrite était communément associée avec de la pyrrhotite dans un ratio d'approximativement 1:10. L'éponte inférieure a été atteinte à approximativement 115,5 m. À mesure que l'on se rapprochait de ce contact, la complexité des roches s'accroissait. La digestion croissante de la roche encaissante en de la roche ignée mafique peut être tenue en partie responsable de cette complexité. L'éponte inférieure était composée, de façon dominante, de paragneiss graphitiques intercalés à du granit et de dykes de diabase entrecroisés localement.

La géologie locale et celle du trou suggèrent que ce trou a intersecté les marges ou les flancs d'une importante intrusion en forme de filon-couche mafique minéralisé.

Le DHEM mené dans le trou a confirmé que le trou n'a pas traversé de lithotype significativement conducteur. Une zone graphitique (à même une roche intrusive mafique) rencontrée à approximativement 80 m de profond dans le trou a généré une faible réponse dans le trou mais a été interprétée comme n'étant pas la source du conducteur composant vertical. Une interprétation plus poussée des données de ce trou, UTEM de surface et AEM, montrent que le corps conducteur est en fait, faible et que ce trou est passé à environ 200 m du conducteur. Ce grand corps conducteur faible est désormais interprété comme se manifestant au sud de ce trou, à une profondeur de 90 m.

QPD01 002

Le trou PD01002 a été foré pour tester un conducteur EM de surface faible à modéré (200 seimen/mètre) issu d'une minéralisation Ni/Cu aval-pendage qui a été identifiée sur un affleurement lors de la campagne de l'an 2000. Le trou était bridé par de la troctolite homogène qui se prolongeait sans diminuer jusqu'à ce que l'on se rapprochait du contact inférieur du filon-couche. Dans le derniers 27 m du filon couche (de 86,55 m à 113,7 m) le type de roche alternait d'une norite à olivine à une roche intrusive ultramafique serpentinique. Les roches l'éponte inférieure, des gneiss à hornfels, ont été interceptées entre 113,7 et 139,75 m. À compter de 139,75 m jusqu'au fond du trou à 213 m, la roche était constituée essentiellement de paragneiss à biotite/graphite/grenat et de granit.

La première minéralisation a été identifiée entre 86,55 m et 95,60 m (0,5% pyrrhotite). On a identifié une minéralisation significative (0,5 à 6 % de sulfure à dominante de pyrrhotite) dans une roche ignée mafique et dans un gneiss à hornfels entre 101,95 et 118,83 m. Une zone de sulfures massif à semi massif (30 à 70% à dominante pyrrhotite avec un peu de chalcopryrite et de pentlandite) a été décelée entre 118,83 et 119,58 m. Les gneiss à hornfels sous cette zone se sont avérés être particulièrement intéressants : 0,5% à 5% de sulfures ampoulés et disséminés (avec une dominance de pentlandite et de chalcopryrite) ont été intersectés dans cette zone jusqu'à 139,75 m. Ces grains de pentlandite était disséminés à ampoulés (jusqu'à 2 cm) et fortement associés à de la chalcopryrite.

Le EM dans le trou a identifié une réponse EM faible à modérée provenant de la zone de sulfures massif à matriciel. Cette réponse explique adéquatement le conducteur EM de surface. Aucun conducteur hors trou n'a été détecté.

QPD01 003

Ce trou a été foré dans le but de traverser un corps conducteur faible, hautement conducteur, près de la surface qui a été identifié par AEM et UTEM en surface. De plus, il avait été planifié que ce trou serait foré à travers le contact de base du filon-couche mafique et ce, pour un certain nombre de raisons : identifier toute minéralisation située au-delà du rayon d'action du EM de surface, obtenir une section stratigraphique en traversant le filon-couche, et enfin, utiliser ce trou en tant que *pate-forme* pour le DHEM – en dépit de ce qu'aucune minéralisation n'ait été intersectée.

Le trou de forage a débuté dans le till glaciaire pour ensuite traverser un gneiss felsique grenatifère et du granit entre 2,95 m et 25,41 m. On retrouve, de 25,41 m à 46,88 m, un paragneiss graphitique dominant avec des intervalles de graphite semi massif. Le paragneiss se termine abruptement avec le contact du filon-couche ciblé. Celui-ci se continue dans le trou jusqu'à 552,9 m et il se résume comme suit :

Un intervalle étroit d'anorthosite *cg* entre 46,88 et 542,7 m a été intersecté au sommet du filon-couche en contact avec le paragneiss. Ceci s'est transformé en gabbro-norite à olivine jusqu'à 231,8 m. On trouve, de 231,8 à 393 m, une troctolite à grain moyen avec abondance de labradorite et qui est classée comme étant de la troctolite « normale » jusqu'à 511,26 m. En dessous se trouve, jusqu'à 552,90 m, une roche mafique à texture variable incluant des intervalles de paragneiss graphitique partiellement digérés ainsi que des brèches. L'éponte inférieure de gneiss a été traversée de 552,90 m jusqu'à la fin du trou. Cette éponte contenait beaucoup d'hornfels jusqu'à 570 m.

QPD01 004

Le trou QPD01004 a été foré pour tester un EM aéroporté, un UTEM de surface et un conducteur EM dans le trou (venant de QPD01001). Le trou était bridé de troctolite. Cette unité homogène et uniforme se continuait jusqu'à 74 m où les unités de norite à olivine et de gabbro-norite à olivine ont été intersectées jusqu'à l'éponte inférieure à 123,53 m. Cette dernière consistait de paragneiss graphitique silicifié à hornfels et de gneiss de contact à hornfels jusqu'à 131 m. À compter de 131 m jusqu'à la fin du trou à 215 m, diverses unités de granit, de paragneiss et de roches de dyke mafique ont été intersectées.

Une importante minéralisation a été rencontrée pour la première fois de 93,4 à 104,24 m (0,5 à 6 % pyrrhotite + pentlandite + chalcopyrite), 104,24 à 113,30 m (2 à 6 % pyrrhotite + pentlandite + chalcopyrite), 113,30 à 126,35 (6 à 7 % pyrrhotite + pentlandite + chalcopyrite). Cette minéralisation était, de façon primaire, ampoulée et à grain grossier, souvent interstitielle vers les plagioclase et pyroxène et elle chevauchait la limite diffuse mafique / éponte inférieure. De la pyrrhotite semi massive et massive intercallée avec du graphite a été intersectée au sein de l'éponte inférieure entre 126,35 et 126,79 m (15 à 35 % de pyrrhotite). Une autre minéralisation d'éponte consistait en de la pyrrhotite ampoulée grossière et disséminée (1 à 5%) avec de la chalcopyrite variable entre 126,79 et 144,27 m.

Un DHEM effectué sur ce trou a confirmé une anomalie de conductance moyenne à environ 130 m dans le trou. On interprète que ceci explique l'anomalie de surface. En se fiant sur la géologie traversée dans le trou, cela indique que la source de l'anomalie est une combinaison de graphite massif à veinules po (+- scp +-se) et semi massif.

QPD01 005

Ce trou a été entrepris en ciblant le contact basal de l'intrusion mafique basée sur une grande anomalie UTEM de surface et AEM dans des roches *mg troctolite/gabbroïques* et qui se prolongeaient dans une composition mafique variable jusqu'à ce que l'on intersecte l'éponte inférieure à 290,49 m dans le trou. Les types de roches de gneiss et de granit de l'éponte étaient variablement *hornfelsés* sur 17 m dans l'éponte. Une « zone de mélange » (mixing zone) proéminente composée de roches mafiques contaminées avec du matériel de l'éponte inférieure a été intersectée entre 248,45 m et 290,49 m. Cette « zone de mélange » se composait de quantités variées, jusqu'à 10%, de spo-scp-se et jusqu'à 14% dans l'éponte inférieure, de gneiss et de granit hornfelsé. Le DHEM effectué sur ce trou a indiqué qu'il n'y avait pas de conducteur soit dans le trou ou hors du trou.

QPD01 006

Le trou QPD01006 a été foré pour tester une cible qui avait été interprétée à partir d'EM aéroporté et de terrain. Le trou se composait de granit et paragneiss intercalés de granit. On trouve dans cette unité, 10% de graphite à veinules qui devient localement semi massif à massif (58,5 à 58,97 m). Entre 85,55 et 86,66 m, cette unité devient fortement hydrothermiquement altérée avec de l'épidote, de la silice, de la séricite, du graphite, de la serpentine et de la minéralisation de chlorite. De 86,66 à 128,4 m, cette unité se compose principalement de granit avec des paragneiss. Un gneiss granitique prédomine à compter de 128,4 m jusqu'à la fin du trou. Les sulfures sont négligeables.

Le DHEM effectué sur ce trou a confirmé que le conducteur s'avérait être principalement composé des portions graphitiques des paragneiss.

QPD01 007

Le trou QPD01007 a été foré pour tester 1) une anomalie EM telle que définie par les levés aéroportés et au sol, 2) pour tester une minéralisation aval-pendage provenant de QPD01005 et amont-pendage de QPD01003. Le trou QPD01007 se composait de norite à gabbro à olivine avec des inclusions granitiques et paragneissiques partiellement digérées. On retrouve localement des unités dotées jusqu'à 10% de graphite et en général, on y trouve 2% de graphite sur l'ensemble. De 69,07 à 283,1 m, la roche consiste en une norite à gabbro à olivine sans inclusions et en une norite à gabbro. De la troctolite est intersectée entre 283,1 et 299,1 m. De 229,1 m à 342,45 m, l'unité est constituée d'une norite à gabbro à olivine avec des fragments (brèche basale) de la roche encaissante. Certains de ces fragments sont modérément à très graphitiques. Les roches de l'éponte inférieure composées de granite et de paragneiss (graphitique) ont été intersectées jusqu'à la fin du trou, à 447 m.

De façon dominante, la minéralisation se compose de pyrrhotite, de chalcopryrite et de pentlandite. Dans l'éponte supérieure (*hangingwall*), de la minéralisation de pentlandite et de chalcopryrite se trouve dans des proportions atteignant 10% de la pyrrhotite observée.

Dans l'éponte inférieure, se trouve de la chalcopryrite en des quantités avoisinant 40% de la pyrrhotite observée alors que la pentlandite titre encore à 10%. On trouve des quantités importantes de pyrrhotite entre 225,15 et 281 m (0,3 à 1%), entre 281 et 341 m (2,5 à 10%), entre 341 et 342,45 m (4,5 à 25%), et entre 342,45 et 361,45 m (2,0 %).

Un DHEM a été lu sur ce trou et il a confirmé que le conducteur était coïncidant avec la zone fortement minéralisée à sulfure ampoulé (spo) à même la zone de mélange.

QPD01 008

Le trou DDH QPD01008 a été foré pour tester un conducteur EM hors trou dans le forage DDH QPD01003. Des paragneiss et du granit ont été intersectés jusqu'à 101,77 m, là où le filon-couche a été retrouvé. Le sommet du filon-couche se composait de norite à gabbro à olivine et de norite à gabbro jusqu'à 191,45 m, là où la troctolite a été intersectée. Cette unité de troctolite s'est continuée jusqu'à 519,50 m, là où un bloc (*raft*) graphitique de paragneiss de l'éponte inférieure a été intersectée à 528,47 m. De ce bloc de paragneiss jusqu'au contact avec l'éponte à 589,78 m, la roche se composait d'unités variées de troctolite et de norite à olivine. Les 10 m inférieurs du filon-couche se composaient d'une roche mafique à texture variable résultant de la digestion partielle de la roche de l'éponte inférieure. La roche de l'éponte inférieure se composait de paragneiss, de paragneiss graphitique et de granit.

La minéralisation de sulfure était restreinte à six zones dans ce trou : 1. la zone de contact de l'éponte supérieure 2. la zone de silicification, 3. la zone du bloc de paragneiss, 4. la zone du filon-couche de base, 5. la zone de contact basal, 6. la zone de l'éponte inférieure.

1. La zone de contact de l'éponte supérieure : la minéralisation se trouve directement sous le contact supérieur fortement serpentinisé du filon-couche. La minéralisation se compose de 1 à 15% de pyrrhotite et jusqu'à 3% de chalcopyrite dans de la norite à gabbro à olivine.
2. La zone de silicification : cette zone d'une épaisseur de 0,5 m à 483 m est définie par la dissolution de la roche mafique (formant des géodes) et par le dépôt de 5% de pyrrhotite ainsi que par un peu de pyrite et de chalcopyrite avec de la *silicification / carbonatation* associée.
3. La zone du bloc de paragneiss : Cette zone fortement hornfelsée entre 519,5 et 528,47 m, se compose en un fragment de bloc (*raft*) de roche de l'éponte inférieure dans de la troctolite. Les sulfures se composent de 1 à 4% de pyrrhotite et/ou pentlandite et d'un peu de chalcopyrite.
4. La zone du filon-couche de base : une faible minéralisation dans le filon-couche inférieur se trouve de 576,77 m jusqu'au contact avec l'éponte inférieure à 589,78 m. Cette zone à texture variable est reliée à la digestion partielle de l'éponte inférieure à même le filon-couche ayant pour résultat la précipitation des sulfures ampoulés et disséminés. Les sulfures se composent de 0,5% de pyrrhotite ainsi que de traces de chalcopyrite et d'un peu de pentlandite.
5. La zone de contact basal : les sulfures, dans cette zone de minéralisation semi massif située entre 601,23 et 602,54 m, se composent de 18 à 55% de pyrrhotite d'un peu de pentlandite.
6. La zone de l'éponte inférieure : cette zone de minéralisation disséminée et ampoulée représente l'ensemble de la sulfuration dans la roche de l'éponte inférieure entre 589,78 m et 626,28 m, à l'exception de celle qui se trouve dans la zone de contact basal. De 589,78 m à 614,5 m, les sulfures se composent de 1 à 5% de pyrrhotite, 0,5 à 2% de pentlandite et d'un peu de chalcopyrite. La chalcopyrite était négligeable après 602,54 m. De la minéralisation mineure, composée principalement de pyrrhotite avec des traces de chalcopyrite, a été trouvée entre 614,5 et 626,28 m.

Ce trou a été foré à même un gabbro riche en quartz. Des ampoules *q-fld* (1-2 cm diam) composent 2% de la roche de même qu'un intervalle de 5% du gabbro. Ce composant felsique constitue une évidence probable pour l'assimilation de la roche encaissante. Des traces de sulfures dans les gabbros avec 9% *suls* entre 46,72-46,9 m (5% *spo*, 3% *scp*, 1% *se*). Une zone étroite dans le haut du trou, à même les gabbros entre 18,71 et 18,89 m titre pour 12% *spo*, 1,5% *scp* et 1% *se*. Le contact avec l'éponte inférieure est fracturé (46,9 - 48,3 m) avec une serpentisation associée des *cpx* vers la zone de faille. Du côté de la faille de l'éponte inférieure, le gabbro est assimilé à du granit et il est fortement amphibolisé. Passé la zone d'assimilation, la carotte recèle un paragneiss *monotone* avec des quantités variables de quartz, de biotite et de feldspaths. Le paragneiss est recoupé par intrusions (coulées locales?) dans son ensemble, par du granit / pegmatite blanc.

8.2.2 Analyses géochimiques des échantillons des trous de forage

Les détails concernant le prélèvement d'échantillons et les procédures d'analyse sont décrits dans les sections qui suivent.

8.2.2.1 Méthodologie

Les échantillons des carottes de forage ont été subdivisées selon des intervalles géologiques et des intervalles réguliers. Un intervalle ne dépassant pas trois mètres, basé sur des limites géologiques, a été sélectionné pour le prélèvement des échantillons lors de la description des carottes. Cette section de la carotte était alors sciée en quartier en utilisant une scie à carottes dans l'abri à carottes du projet. L'échantillon était ensuite mis en un sac de plastique sécuritaire et impossible à falsifier, fourni par Analytical Solutions Ltd. Les sacs sont conçus pour être inspectés à l'égard de toute forme de falsification jusqu'à leur livraison chez Bondar Clegg Laboratories de façon à assurer l'intégrité des échantillons et la certification des analyses. L'assurance du contrôle de la qualité au niveau des échantillons de forage était réalisée selon les standards internes de WMC de même que par le fait de soumettre régulièrement un exemplaire supplémentaire d'échantillon (un second quartier de carotte). Les données de contrôle de la qualité étaient régulièrement notées et rapportées par le technicien du contrôle de la qualité de WMC. Neuf trous de forage ont été complétés à ce jour sur les cibles les plus prometteuses.

Le laboratoire d'analyse d'échantillons de roches et de carottes a été sélectionné avec attention en passant en revue les procédures d'analyse et en testant la qualité des analyses de Cu, Ni, Pt, Pd et Au et ce, en menant un véritable concours entre plusieurs laboratoires. Le concours, comparable à un *round robin*, a consisté à soumettre à chacun, trois des standards internes de WMC de même que les standards certifiés pour le Cu-Ni incluant le SARM-7 ainsi que plusieurs standards certifiés de la Commission géologique du Canada. Après la sélection du laboratoire, celui-ci était visité par le personnel de WMC de façon à s'assurer que ses installations étaient en adéquation avec les exigences requises pour les équipements techniques, pour les procédures standards de laboratoire, pour la propreté et la sécurité.

Les échantillons reçus au laboratoire étaient pulvérisés dans leur totalité jusqu'à ce que 95% passe dans un tamis de dimension de maille de 150 en utilisant un appareil à pulvériser LM-2 Labtech. Une portion réduite à 30 grammes était utilisée pour les pyroanalyses de fusion-Pb pour Au, Pt et Pd. Une portion réduite à 0,5 gramme était digérée dans 50 ml d'un liquide combinant trois acides de digestion (acides HF – nitrique - perchlorique) avec les éléments

suivants déterminés par ICP-ES: Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr, et S.

8.2.2.2 Résultats

Les résultats pour tous les échantillons de carottes sont donnés dans l'appendice 5c

Trou ID	De	à	largeur (m)	Co ppm	Cu ppm	Ni ppm	PdPbFFA ppb	PtPbFFA ppb
QPD01001	2,8	11,4	8,6	99	634	1404	5	5
QPD01001	24,8	34,65	9,85	73	488	1047	8	4
QPD01002	101,95	124,18	22,23	121	1029	1550	17	7
QPD01002	118,83	119,58	0,75	931	2374	10726	21	14
QPD01003	518	520,44	2,44	128	651	1263	19	9
QPD01003	537,57	552	14,43	98	999	1220	22	7
QPD01003	558	565,16	7,16	134	1685	2201	26	12
QPD01003	563	564,7	1,7	291	3751	5664	70	27
QPD01004	103,22	111,25	8,03	72	365	719	8	4
QPD01004	111,25	126,79	15,54	143	946	1567	13	5
QPD01004	126,79	133,62	6,83	77	522	849	14	7
QPD01005	276,9	295,8	18,9	106	1187	1333	24	11
QPD01006	-	-	-	-	-	-	-	-
QPD01007	316	342,45	26,45	204	900	1255	17	9
QPD01007	342,45	358	15,55	69	1209	1344	34	14
QPD01008	586,95	611,56	24,61	128	937	1376	23	11
QPD01009	46,72	56,91	10,19	64	621	608	12	6

Les analyses de carottes de forage ont confirmé d'importantes minéralisation tant dans l'éponte supérieure que dans l'éponte inférieure du filon-couche de Papavoine, tel que déterminé par sept des neuf trous forés. Cette minéralisation suscite les attentes appropriées pour que se continue le programme d'exploration.

8.3 Les programmes de prélèvement d'échantillons géochimiques pour 2001

Le prélèvement d'échantillons géochimiques pour l'an 2001 du projet Québec 7 comportait le prélèvement d'échantillons de fragments de roches, de carottes de forage, de sédiments de ruisseaux, de concentrés de métaux lourds, d'eau, de sol et d'humus (Figure 9, carte 7). Le secteur du projet se caractérise par une topographie et un relief peu accentués, avec des lacs et des rivières dominant un paysage comportant peu d'affleurements. Les lacs sont reliés par une série de ruisseaux et de rivières se drainant vers le nord ou vers le nord ouest. La géomorphologie du secteur du projet évolue doucement du sud vers le nord, avec le secteur plus au sud qui est caractérisé par des lacs et des marécages, un secteur central ou dominant des cours d'eau et des collines basses et un secteur plus au nord, près de la baie de l'Ungava, composé de basses terres, d'abondants marécages communs et de quelques tourbières sur-élevées. Le plus récent till glaciaire été déposé il y a entre 10 000 à 30 000 ans par un glacier se déplaçant en direction nord, à partir de terres hautes situées au sud du projet, vers la baie de l'Ungava. Le till glaciaire est d'épaisseur variable généralement < 30 m. Le till se présente sous les formes de moraine de fond, de moraine latérale, de drumlins, d'eskers et de fins dépôts de lac. La région se

situé au sud de la limite du pergélisol canadien, bien que l'on retrouve localement, des évidences de l'action de la glace dans le sol. Une végétation typique d'épinettes et de bouleaux, de broussailles et de couvert végétal se retrouve là où le sol est suffisamment drainé. On retrouve entre 5 à 30% d'affleurements dans le secteur.

Les cours d'eau façonnent la région en empruntant une direction N20-30W généralement parallèle à la direction de l'écoulement glaciaire dans la portion sud du secteur. Pour la partie nord, cette direction est franc nord dans le secteur de la baie de l'Ungava. Le drainage des cours d'eau est bien développé et la majorité de leurs sédiments sont plutôt grossiers (> 10 cm cailloux et blocs). Les blocs sont fréquemment enrobés d'oxydes de Fe et/ou d'oxydes de Mn, Al. Les profils des sols sont variables bien que généralement bien développés, présentant des profils comportant les horizons A0, A1, B1,2,3 et C.

Des échantillons de sédiments de ruisseaux ont été prélevés dans trois régions là où les cibles étaient somme toute, d'une nature assez régionale. Des concentrés de minéraux lourds ont été prélevés dans un secteur d'intérêt pour les indicateurs minéraux de kimberlite. Des échantillons d'eau ont été prélevés tant pour des fins d'exploration ainsi que pour recueillir des données environnementales. Des échantillons d'humus ont été prélevés pour établir des tests de comparaison avec les échantillons de sol dans certains secteurs ciblés. La plus grande partie du programme de géochimie de 2001 a consisté dans le prélèvement de près de 900 échantillons de sol prélevés le long des lignes traversant des anomalies géophysiques intéressantes.

8.3.1 Minéralisation

L'exploration s'est concentrée sur les occurrences de sulfures Ni-Cu associées avec des filons-couche mafiques qui avaient été cartographiées sur l'ensemble de la superficie du projet. Ces filons-couche sont peu exposés en raison d'une part, de la couverture glaciaire et d'autre part à cause de leur faible pourcentage d'exposition par rapport aux roches régionalement plus dominantes en l'occurrence, les paragneiss graphitiques et les granitoïdes qui se retrouvent sur l'ensemble du secteur étudié. La pyrite et la chalcopyrite se retrouvent sur l'ensemble du secteur, plus communément au contact entre l'éponte inférieure et ces filons-couche.

Le projet présentant le plus d'intérêt est celui auquel on réfère sous le vocable de Papavoine Hill. En cet endroit, le filon-couche mafique provoque une prééminence topographique et il consiste en au moins trois corps chimiques intrusifs distincts dotés de textures variables. Ce filon-couche a une épaisseur de 400-500 m et a été cartographié sur plus de 10 km². La minéralisation de sulfure disséminé se retrouve à la fois dans l'éponte inférieure et l'éponte supérieure du filon-couche. La minéralisation sur le site de Papavoine se présente comme de la pyrrhotite-chalcopyrite-pyrite-pentlandite et comme de la minéralisation disséminée (<5%) tant dans l'éponte inférieure que dans l'éponte supérieure sur une épaisseur atteignant 450 m. En plus des concentrations anormales de Cu et de Ni, des concentrations anormales d' Au, Pt, Pd et Co ont été identifiées. Des concentrations de PGE variant entre 10 ppb à 300 ppb se retrouvent dans des échantillons minéralisés de roche. L'indice de Papavoine a été testé dans sept des neuf trous forés à ce jour.

Des anomalies géochimiques et géophysiques indiquant de possibles minéralisations de diamant et d'or ont également été identifiées dans les données régionales. Quelques uns des prélèvements régionaux ont été réalisés à cette fin de tester ces anomalies.

8.3.2 Programme de prélèvement d'échantillons de lithogéochimie

8.3.2.1 Méthodologie

Des échantillons de fragments de roche ont été prélevés durant la reconnaissance régionale ainsi qu'au cours de la cartographie de l'indice. Ces échantillons ont été prélevés dans les secteurs où l'on prévoyait trouver des filons-couche mafiques / ultramafiques et dans des *gossans*, là où des occurrences de sulfures massifs ou disséminés avaient été notés. Les échantillons de fragments de roche ont été mis en sac et expédiés chez Bondar Clegg Laboratories, Canada. L'assurance du contrôle de la qualité était réalisée en appliquant, pour chaque lot, les standards internes de WMC. Les documents et les standards du laboratoire étaient également surveillés par le technicien en contrôle de la qualité de WMC.

Pour la lithogéochimie, la sélection du laboratoire d'analyses de même que les procédures d'analyse demeurent les mêmes que celles utilisées pour les carottes de forage. Ces procédures sont décrites plus haut.

8.3.2.2 Résultats

La prospection géologique régionale et le prélèvement d'échantillons furent d'une grande utilité pour identifier et cartographier les possibles filons-couche mafiques ainsi que pour procurer une analyse des matériaux minéralisés au sein de ces sills et à leur éponte inférieure. La localisation et les résultats des minéralisations significatives définis par les échantillons régionaux de fragments de roche sont indiqués sur la carte 7. De nombreux sites de minéralisation et de *gossans* ont été identifiés sur le terrain et les plus hautes concentrations de sulfures identifiés l'ont été durant le programme de prélèvement d'échantillons de fragments de roche de 2001; elles seront définies plus loin dans le texte. La description des échantillons, les résultats d'analyse et les sommaires statistiques pour les échantillons de roche se retrouvent dans l'appendice 6.

8.3.3 Programme de prélèvement d'échantillons de sol

8.3.3.1 Méthodologie

Des échantillons de sol ont été prélevés dans des secteurs d'intérêt définis par les cibles géophysiques, là où il était anticipé de trouver des sulfures massifs. Une ou deux lignes de sol distantes de 200-250 m ont été échantillonnées avec un espacement de 100 m. Les échantillons de sol ont été prélevés dans la portion supérieure de l'horizon de sol "B". La profondeur de cet horizon variait pour l'ensemble du secteur étudié et il en fut ainsi pour la couleur ainsi que pour le contenu en humidité. La couleur de l'horizon variait généralement de rougeâtre à brun orange et occasionnellement, elle était brune ou ocre. Presque tous les échantillons ont été prélevés dans l'horizon "B". La profondeur pour cet horizon variait entre 5 – 40 cm, mais le plus souvent la profondeur de prélèvement était de 10-20 cm. L'humidité variait de sec à pleinement saturé. Les sols étaient composés d'argile – limon et de sable. Les notes de terrain comportaient le numéro d'échantillon, la localisation, la carte, la localisation de la ligne, la topographie, les formes de terrain, la végétation, la profondeur de l'échantillon, la couleur, le contenu d'humidité ainsi que la composition du sol. Toute observation géologique pertinente était colligée et le pH de l'eau de tout cours d'eau environnant était fréquemment mesuré. L'assurance du contrôle de la qualité était assumée en incluant 10% de duplicatas de terrain de même qu'en choisissant au hasard des échantillons avant de les envoyer au laboratoire. Les mesures de contrôle de la qualité ont été assumées par le technicien en contrôle de la qualité de WMC.

Les échantillons de sol étaient prélevés dans des sacs de toile et expédiés chez ALS-Chemex Labs, Canada. Au laboratoire, les échantillons étaient criblés jusqu'à une maille 200 et la fine fraction était analysée. Les éléments Au, Pt et Pd étaient déterminés au moyen de pyroanalyses/ICP de fusion-Pb. Une seconde portion de l'échantillon était alors digérée en utilisant une solution *nitrique-aqua regia* avec une détermination d'éléments utilisant les instruments ICP-ES et ICP-MS. Un total 850 échantillons ont été prélevés et analysés pour les éléments : Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Ge, Hf, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn, et Zr.

8.3.3.2 Résultats – programme de prélèvement d'échantillons de sol

Les échantillons de sol se sont avérés être très efficaces pour procurer une réponse géochimique pour les horizons mafiques et minéralisés sous-jacents. La localisation des lignes de sol en concordance avec les cibles régionales apparaissent à la carte 7. Les données ne sont pas encore disponibles pour tous les échantillons prélevés lors des travaux de cette année. Toutefois, plusieurs des lignes de géochimie comportent d'intéressantes anomalies présentant un intérêt pour des investigations géologiques ultérieures, compte tenu du fait qu'il s'agissait d'anomalies

dans un ou plusieurs des éléments Ni, Cu, Au, Pt, Pd, Co, Fe (figures 10, 11 et 12). Les rapports de laboratoires pour les échantillons de sol de même qu'une table du sommaire statistique se trouvent à l'appendice 7.

8.3.4 Programme de prélèvement d'échantillons d'humus

8.3.4.1 Méthodologie

Des échantillons d'humus ont été prélevés en des sites sélectionnés pour comparer la viabilité du *media* humus comme outil d'exploration en comparaison avec des échantillons de sol plus traditionnels. Ces échantillons ont été prélevés là où anomalies géophysiques indiquaient un potentiel pour des sulfures massifs. Ces échantillons d'humus ont été prélevés le long de lignes espacées de 100 à 200 m. L'humus était inséré dans des sacs de plastique et expédié chez ALS-Chemex Laboratories, Canada.. Au laboratoire, les échantillons d'humus furent analysées en utilisant un acide de digestion et une détermination multi - élément ICP-MS. Un total de 136 échantillons furent prélevés et analysés pour les éléments : LOI, Ag, Al, As, Au, Ba, Be, Bi, Br, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Hg, Ho, I, K, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Se, Sm, Sn, Sr, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Yb, Zn, Zr, B, Ga, Ge, Hf, In, La, Re, Ta, et Y.

8.3.4.2 Résultats

Les échantillons d'humus ont procuré des réponses concernant le filon-couche connu et la minéralisation à Papavoine Hill en démontrant l'accumulation de métaux dans l'horizon organique. Toutefois, la réponse s'exprimait par un contraste à la fois plus vaste et plus élevé dans les échantillons correspondants de sol. Ceci a constitué la base incitant à continuer l'utilisation d'échantillons de sol dans ce projet. Vu que les sites de prélèvement d'échantillons sont les mêmes pour le même nombre d'échantillons de sol, la description des échantillons et les résultats se trouvent à l'appendice 7.

8.3.4 Programme de prélèvement d'échantillons de sédiments de ruisseaux

8.3.5.1 Méthodologie

Les échantillons de sédiments de ruisseaux ont été prélevés dans de plus vastes régions offrant un potentiel pour l'or, les diamants et la minéralisation Ni-Cu. Les premiers, deuxièmes et troisièmes ordres de drainage ont été prélevés à une densité de 1/5-10 km². Les échantillons ont été prélevés dans la portion active des cours d'eau, là où les parties fines étaient disponibles. Un échantillon de 2-4 kg était tamisé sur le site jusqu'à -2mm, puis mis dans un sac de plastique épais et expédié chez ACME Labs, Vancouver pour analyse. Au laboratoire, les échantillons étaient criblés jusqu'à une maille 200, puis digérés en utilisant une solution *nitrique-aqua regia* avec une détermination d'éléments utilisant les instruments ICP-ES et ICP-MS pour une suite multi - éléments. Des pyroanalyses de fusion-Pb ont été utilisées pour les déterminations d'Au, Pt et Pd. Des duplicatas de terrain et du matériel de sable blanc furent utilisés pour s'assurer du contrôle de la qualité. Un total de 29 échantillons de sédiments de ruisseaux ont été prélevés et analysés pour les éléments : Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Sc, Tl, S, Hg, Se, Te, Ga, Au, Pt, et Pd.

8.3.5.2 Résultats

Les données sédiments de ruisseaux n'ont pas généré d'attentes quant au potentiel de minéralisation pour les sites de prélèvement. Un secteur plus au sud (Q11) a été échantillonné pour son potentiel en Cu-Ni; les sédiments de ruisseaux n'ont indiqué aucune anomalie parmi les éléments précurseurs. Un deuxième secteur a été échantillonné pour son potentiel de

minéralisation d'or. Même si quelques rares échantillons contenaient des concentrations anormales d'or, le secteur prospectif est confiné et ne présente pas d'intérêt futur. Un petit ensemble de cibles, démontrant du potentiel pour des kimberlites diamantifères a été échantillonné par sédiments de ruisseaux, par concentrés de métaux lourds et par lignes de sol. Aucun de ces *média* n'a présenté d'attentes ou d'encouragement pour de la minéralisation. Ces sites sont identifiés et les lieux de prélèvement sont localisés à la figure 9 et sur la carte 7.

8.3.6 Programme de prélèvement d'échantillons de concentrés de métaux lourds

8.3.6.1 Méthodologie

Des échantillons concentrés de métaux lourds ont été prélevés à l'aide d'une méthode similaire à celle utilisée pour les sédiments de ruisseaux, en utilisant plus de 10 kg de matériel tamisé à -2mm à partir de trappes installées dans la partie active du canal de courant. Ces échantillons furent expédiés chez Overburden Drilling Management pour traitement destiné aux métaux lourds pour identification minérale. Ce traitement comportait le tamisage, la séparation par table vibrante, la séparation de liquide lourd, la séparation électromagnétique, le lavage des grains par des acides faibles, un examen individuel d'échantillon et l'identification minérale. Un total de six échantillons de concentrés de métaux lourds ont été prélevés et identifiés pour l'or, les kimberlites et les indicateurs minéraux NiS.

8.3.6.2 Résultats

Aucun indicateur minéral n'a été identifié comme indiquant un potentiel pour le diamant, pour l'or et pour de la minéralisation de sulfure Ni-Cu au sein de ce petit groupe d'échantillons. En une occasion, un échantillon contenait un grain de chrome ce qui s'explique par la présence connue de dykes mafiques dans le secteur.

8.3.7 Échantillons d'eau d'exploration

8.3.7.1 Méthodologie

Des échantillons d'eau ont été prélevés pour deux raisons. Des échantillons d'eau d'exploration furent prélevés dans des ruisseaux ou sur les berges de lacs, à une distance aussi éloignée de la rive que possible en pratique. L'échantillon a été prélevé dans une bouteille Nalgene à grand bec HDPE de 175 ml. Les bouteilles étaient débouchées, rincées à plusieurs reprises et emplies jusqu'au sommet. Des mesures sur le terrain de pH et de conductivité furent faites à chaque site avec un compteur de poche Horriba tenu à main (température corrigée à 25° C, calibration de pH de 4 et 7). Les échantillons d'eau d'exploration furent expédiés chez ACTLABS Canada. Au laboratoire, de l'acide nitrique est introduit dans l'échantillon lequel est ensuite roulé pour 24 heures. Une détermination d'élément est alors effectuée par ICP-MS pour des niveaux de concentration en ppt et en ppb. Un total de 15 échantillons eau d'exploration ont été prélevés et analysés pour les paramètres suivants : pH, alcalinité, conductivité, TDS, Li, Be, Na, Mg, Al, Si, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Rb, Sr, Y, Zr, Nb, Mo, Ru, Pd, Ag, Cd, In, Sn, Sb, Te, I, Cs, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Pt, Au, Hg, Tl, Pb, Bi, Th, et U.

8.3.7.2 Résultats

Les mesures de terrain sur le site des plans d'eau étaient pratiquement neutres avec de faibles valeurs de conductivité (<20 us/cm). Aucune donnée d'analyse n'est disponible à ce jour.

8.4 Prospection géologique et cartographie 2001

8.4.1 Méthodologie

La cartographie et la prospection sur le site du projet ont débuté le 4 juin et se sont continuées jusqu'à la fin d'août. Ce travail était accompli par un nombre variable (1 à 4) d'équipes de terrain de deux ou trois personnes utilisant des aéronefs A-star (de modèle D et BA) et Bell 206 Jet Ranger. La prospection des anomalies générées à partir des levés AEM était faite de cette manière. Les renseignements de terrain étaient enregistrés sur un *palmtop* NINO, transférées à la fin de chaque journée et sauvegardées dans une base de données Access. Les échantillons de roche qui étaient considérés valables pour analyses étaient expédiées chez Bondar Clegg Laboratories à Vancouver et ils étaient analysés pour une suite de 35-éléments en utilisant un ICP30 suivant une digestion de quatre acides (la même méthode que pour les échantillons de carottes de forage) . De plus, Au, Pd et Pt étaient mesurés en utilisant la pyroanalyse ICP. Les résultats certifiés d'analyse sont donnés dans l'appendice 11.

8.4.2 Résultats

La cartographie et la prospection ont permis d'identifier un nombre de positions minéralisées qui n'ont pas été relevées au cours de l'été dernier. Au total, huit positions *gossans / minéralisées* ont été identifiées au sein du projet à ce jour. Ces positions sont localisées sur la figure 4 et sur la carte 7 en plus d'être décrites dans les pages qui suivent.

Papavoine

La minéralisation identifiée à l'indice de Papavoine a été repérée au cours des travaux de reconnaissance régionale de l'été 2000. Cette minéralisation consiste en une zone *gossanneuse* longue de 1,2 km à la base d'un filon-couche de troctolite. La minéralisation est identifiée autant sur l'affleurement que sur les blocs et elle est à dominance disséminée avec de petites zones massives de pyrrhotite, avec des quantités mineures de pentlandite et de chalcopyrite, avec des fragments de roche titrant jusqu'à 1,2% Ni, 0,5% Cu.

L'AEM au-dessus des zones mafiques et minéralisées a identifié un conducteur significatif et il a été subséquemment testé par forage. Les résultats de ce forage sont décrits dans le détail dans la section sur le forage, notamment en ce qui concerne la minéralisation et l'intrusion mafique.

Bonne Une

La minéralisation trouvée à l'indice de Bonne Une a été identifiée lors de la campagne de terrain de l'été de 2000. Des *gossans* titrant jusqu'à 0,16% Ni, 0,19% Cu ont été localisés sur une surface d'environ 50m x 50m. La minéralisation se présente sous la forme d'un mince placage à même une éponte inférieure hornfelsée felsique de troctolite et d'un gneiss graphitique sur la base d'une intrusion de style filon-couche de troctolite orientée légèrement vers l'est. Bien que le secteur semble plutôt pauvre en affleurements, le troctolite couvre un espace d'environ 500 m x 500 m.

Marraliup

Une petite gousse de 3 m x 2 m de minéralisation disséminée titrant 0,14% Ni, 0,19% Cu à environ cinq mètres au-dessus du contact basal d'une intrusion mafique de style filon-couche (troctolite-gabbro) d'une épaisseur de 20-30 m abrite l'occurrence minéralisée de Marraliup, identifiée en 2000.

La *prospectivité* de ce site est faible, aucune autre évidence de minéralisation ayant été trouvée durant la campagne d'été de 2001.

Baleine

Une minéralisation mineure (*gossan*) a été trouvée dans la vallée de la rivière à la Baleine, à la base d'un filon-couche intrusif similaire aux autres intrusions mafiques découvertes le long de la vallée de la rivière à la Baleine (Figure 4). Cette minéralisation consiste en du matériel *gossanneux* sur un intervalle de 10 m succédant à des sulfures magmatiques Ni/Cu disséminés. Cet horizon représente probablement une zone mineure d'intercalage de troctolite à la base du filon-couche et il ne semble pas être d'un intérêt économique. Peu de travaux ont été effectués sur ce *gossan* en 2001.

Secteur du gossan de Libby

Une reconnaissance systématique de terrain effectuée en 2001 a identifié une minéralisation faible de sulfure Ni/Cu en deux localisations sur le contact de l'éponte supérieure d'un filon-couche mafique au nord est du secteur du projet (bloc 12 – voir la section AEM). Des travaux de terrain subséquents ont identifié un certain nombre d'intrusions mafiques dans le secteur sans toutefois arriver à localiser le contact basal de l'intrusion mafique. Il en a résulté un survol AEM au-dessus de ce secteur dans le but d'y définir un potentiel futur de prospection.

Un levé aéroporté électromagnétique (AEM) a survolé le bloc 12 en incorporant le Gossan de Libby ainsi que le gabbro encaissant ce gossan démontrant qu'un conducteur faible à modéré

existe à 100-200 m sous la surface. Il possède une géométrie légèrement ondulée et plonge peu profondément vers le nord est. Cette géométrie est également évidente dans la réponse magnétique (ce qui coïncide avec l'anomalie AEM) de même que dans le plongement ondulé et cartographié du gabbro (encaissant le gossan de Libby) vers l'ouest.

Des vérifications de terrain pour déterminer la source de la conductance n'a pas permis de trouver un conducteur en affleurement. Le secteur est recouvert de terrains humides (marécages et tourbières) avec des affleurements de gneiss granitique blanc. Il est significatif que des affleurements de gneiss granitique se superposent à des anomalies AEM locales fortes, ce qui confirme que (au moins) dans ces localisations, le conducteur est en profondeur.

Aucune évidence n'a été avancée pour supporter la possibilité que de l'incursion locale d'eau salée provenant de la False River ou encore que de la tourbe engendre cet anomalisme AEM.

De façon concurrente avec la vérification géologique de terrain, un programme de prélèvement d'échantillons géochimique de sol a été réalisé. Des conditions de terrain humides (marécages et tourbières) ont limité le nombre d'échantillons recueillis. Toutefois, les données de sol recouvrant l'affleurement de gabbro (encaissant le gossan de Libby) seront comparées avec les données de sol à l'est, dans le but d'aider à déterminer la source de l'anomalisme magnétique coïncidant avec l'anomalisme AEM.

L'anomalisme local élevé AEM est centré sur 563000mE, 6442800mN. Un petit affleurement de gneiss d'environ 50m par 50m se trouve à 563000mE, 6443100mN. Une quantité mineure de graphite se trouve à l'opposé, à même un gneiss granitique à biotite à dominance quartz-feldspath. Même en suivant les méandres d'un cours d'eau vers le sud, en la portion sud de la pointe de l'anomalie AEM à 563500mE, 6442500mN, on a trouvé aucun autre affleurement. Des terrains marécageux continuent à dominer l'extension vers l'est de l'anomalisme AEM.

Aucun conducteur ne se manifeste en affleurement pour appuyer l'anomalie AEM. Il faut considérer le graphite comme cause de l'anomalie bien qu'on en trouve que peu d'évidences en surface.

A14-1E

Des sulfures à veinules et disséminés de Ni/Cu et du matériel de gossan ont été trouvés à l'emplacement A14-1E sur la base d'une intrusion mafique apparentée à un filon-couche (d'une épaisseur d'au moins 50 m) en succession avec le contact basal d'un filon-couche identifié au cours du programme de reconnaissance de 2000. Du matériel de gossan a été trouvé sur un prolongement d'environ 800 m titrant jusqu'à 0,67% Ni, 0,43% Cu. Même si l'horizon *gossanneux* semble s'étendre il n'a pu être suivi de façon détaillée vu qu'il n'était pas associé à une anomalie AEM significative.

A14-1W

Des sulfures à veinules et disséminés Ni/Cu et du matériel de gossan ont été trouvés à l'emplacement A14-1W en suivant une anomalie AEM. Les sulfures se trouvent à la base du même filon-couche mafique qui affleure pareillement à A14-E. Un trou de forage (QPD01009) a ciblé cette anomalie AEM et a intersecté des sulfures mineurs disséminés associés à l'intrusion mafique. Un EM dans ce trou a révélé un conducteur faible à modéré hors trou, en pendage amont. Ce conducteur n'a pas été testé par forage puisqu'il n'annonçait pas la découverte de sulfures Ni/Cu économiques.

A17-1

Un gossan suivi d'un sulfure Ni/Cu à veinules a été identifié dans un secteur restreint (10m x 5m) sur le contact entre une roche intrusive mafique et un paragneiss. Une petite anomalie AEM a été identifiée sur ce gossan et un EM au sol a confirmé la présence d'un petit corps conducteur discret sur ce site. Le conducteur a été estimé comme trop restreint pour bénéficier d'un suivi tel qu'un forage.

Tableau 8 Analyse de fragments de roche - Indices

	échantillon #	Ni %	Cu %	Co ppm	Pt ppb	Pd ppb	Au ppb
Papavoine							
Sulfure brèché - 30%	x	1,22	0,5	617	26	79	9
Sulfure brèché - 30%	x	1,03	0,47	519	84	97	7
Sulfure dans migmatite	x	0,55	1,12	342	64	56	26
Bloc de gossan	x	0,38	0,25	184	16	42	18
Bonne Une							
<i>Subcrop</i> de gossan	x	0,16	0,19	212	6	10	7
<i>Subcrop</i> de gossan	x	0,11	0,12	153	1	6	5
Baleine							
<i>Subcrop</i> de gossan	x	161ppm	231ppm	64	2	4	2
Marraliup							
Affleurement de gossan	x	0,14	0,19	112	8	16	10
A14-1E							
Sulfure à veinules	UC104972	0,67	0,43	494	9	94	6
A14-1W							
Sulfure à veinules	UC104951	0,63	0,15	440	8	6	2
Sulfure à veinules	UC104904	0,55	0,52	441	60	103	24
A17-1							
Sulfure à veinules	UC104931	0,3	0,29	272	37	68	23
<i>Subcrop</i> de gossan	UC104929	687ppm	0,17	96	14	49	17
Gossan de Libby							
<i>Subcrop</i> de gossan	UR212935	72ppm	216ppm	56	0	3	1
<i>Subcrop</i> de gossan	UC102605	189ppm	718ppm	64	12	12	4

X indique un échantillon prélevé en 2000.

9.0 Environnement

Le projet a débuté et se déroule dans un contexte où la question de la protection environnementale est envisagée sous l'angle d'une stratégie proactive. Un plan global de gestion de l'environnement a mis en évidence les éléments naturels environnementaux pouvant s'avérer être à risque durant le programme d'exploration tout en préconisant des modes d'opération sur le terrain visant à minimiser ou à réduire les risques en question. À titre d'exemple, mentionnons le prélèvement d'échantillons d'eau, pour chaque plan d'eau ou pour chaque cours d'eau pouvant présenter un risque de contamination lié aux activités de forage, effectué avant le début des forages en question. De plus, chacun des sites de forage a été inspecté et surveillé une fois le forage terminé, de façon à s'assurer que tous les débris soient ramassés et qu'aucune dégradation du terrain environnant ne puisse survenir. Un dossier photographique a également été établi sur chaque site de forage et ce, à des fins de documentation. Il est également à

souligner que le programme de levé aérien tenait compte des caractéristiques de déplacement des caribous lors de leur migration du printemps et que l'on effectuait les plans de vol avec les ajustements conséquents.

Le fait d'utiliser les accommodations d'un camp de pourvoyeurs existant, situé à proximité du site d'exploration, a permis au projet de se dérouler sans avoir à subir les inconvénients reliés à l'établissement d'un nouveau camp notamment au chapitre des permis et des licences. Sur point spécifique, il faut souligner combien nous avons apprécié l'assistance et la coopération du ministère de l'Environnement du Québec pour nous aider à mieux comprendre le régime actuel d'obtention de permis.

Levé des lignes de base d'eau

9.1.1 Méthodologie

Des échantillons des lignes de base d'eau ont été prélevés à même le plan d'eau situé le plus près de chaque site de forage. Les prélèvements d'échantillons d'eau ont été effectués préalablement à chaque campagne de forage. Cet échantillonnage d'eau était complété par un entrepreneur sous contrat (Nunuvut Corporation) et les échantillons étaient acheminés, en suivant le protocole prescrit, chez Philips Laboratory, Québec. Le pH du terrain, la conductivité, la température de l'eau et le Eh étaient mesurés sur le site à l'aide des instruments fournis par Phillips Laboratories. Les échantillons étaient également prélevés dans des bouteilles fournies par le même fournisseur. Deux échantillons étaient prélevés sur chaque site et filtrés sur place à 45 microns. Un de ces échantillons était acidifié avec de l'acide nitrique alors que le second était gardé non acidifié pour une détermination des principaux ions. Ces échantillons étaient alors analysés chez Philips par la voie d'une analyse multi-éléments des anions et des cations. Un total de 34 échantillons de lignes de base d'eau ont été prélevés et analysés afin de déterminer un vaste ensemble de paramètres incluant : le taux de bicarbonate (présence de CaCO₃), le pH (20 DEG C), le fluor, les nitrates (présence de N), les nitrites (présence de N), les sulfates, les hydrocarbures C10-C50 (hexane / GC), les métaux, le mercure, l'aluminium, l'antimoine, l'arsenic, le baryum, le béryllium, le bore, le cadmium, le calcium, le chrome, le cobalt, le cuivre, le fer, le plomb, le lithium, le magnésium, le manganèse, le molybdène, le nickel, le phosphore, le potassium, le sélénium, la silice, l'argent, le sodium, le strontium, le thallium, l'étain, le titane, l'uranium, le vanadium, le zinc, la dureté (présence de CaCO₃).

9.1.2 Résultats

Les échantillons d'eau analysés à même les prélèvements dans les lignes de base ont tous fait état d'eau très propre avec une faible conductivité, une faible salinité, un pH presque neutre de même qu'un faible niveau pour l'ensemble des paramètres de même que des traces d'éléments à un niveau inférieur aux seuils de détection. Nous n'avons pas encore reçu les données pour les échantillons prélevés en août et en septembre.

10.0 Conclusions

Les levés de géologie, de géochimie et géophysique effectués dans le cadre du Projet Québec 7 au cours des 12 derniers mois ont mis en relief la *prospectivité* du secteur quant à la présence d'une quantité significative de minéralisation de sulfures Ni/Cu/PGE. En raison des levés aéroportés approfondis de géophysique effectués au cours de la période couverte par le présent rapport, on peut circonscrire la recherche de minéralisation économique aux deux sites que constituent les indices du gossan de Libby et celui de Papavoine (incluant A14-1). L'exploration se poursuivra donc sur ces sites au cours de la seconde année avec des permis spécifiques. Advenant l'éventualité d'obtention de résultats positifs, d'autres secteurs comme celui de Marraliup seront considérés pour des travaux futurs.

11.0 Recommendations

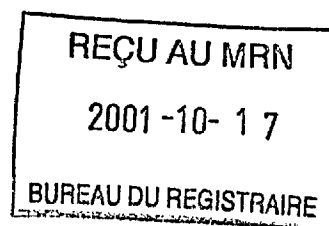
Vu la grande quantité de données qui ont été colligées au cours d'une période aussi restreinte, il est impératif d'envisager la réalisation d'une interprétation géologique portant sur l'ensemble du projet. On peut prévoir que cette interprétation devra nécessiter une période de temps importante de façon à pouvoir faire l'intégration de toutes les bases de données recueillies. Des travaux plus détaillés sont requis dans les deux secteurs spécifiques de Papavoine et du gossan de Libby et les résultats de ces travaux pourront déterminer quel type d'autres travaux devront être complétés dans d'autres secteurs du projet.

Des travaux supplémentaires seront poursuivis dans les secteurs de Papavoine et du gossan de Libby. Ces travaux pourront inclure ce qui suit :

- Papavoine - Des levés supplémentaires de gravité de façon à déterminer l'extension du corps mafique sous le couvert gneissique.
Un levé EM sur le terrain à pénétration profonde pour permettre l'identification d'accumulations potentielles de sulfures massifs Ni/Cu en profondeur.
Des forages au diamant sur les anomalies et EM dans le trou.
- Gossan de Libby - Du forage pour déterminer la source des anomalies AEM.
Un levé de gravité afin de mieux cartographier les corps mafiques sous le couvert gneissique.
Un levé EM sur le terrain pour mieux préciser les cibles de forage et possiblement détecter les positions minéralisées en-deçà de la pénétration du AEM.

12.0 Références

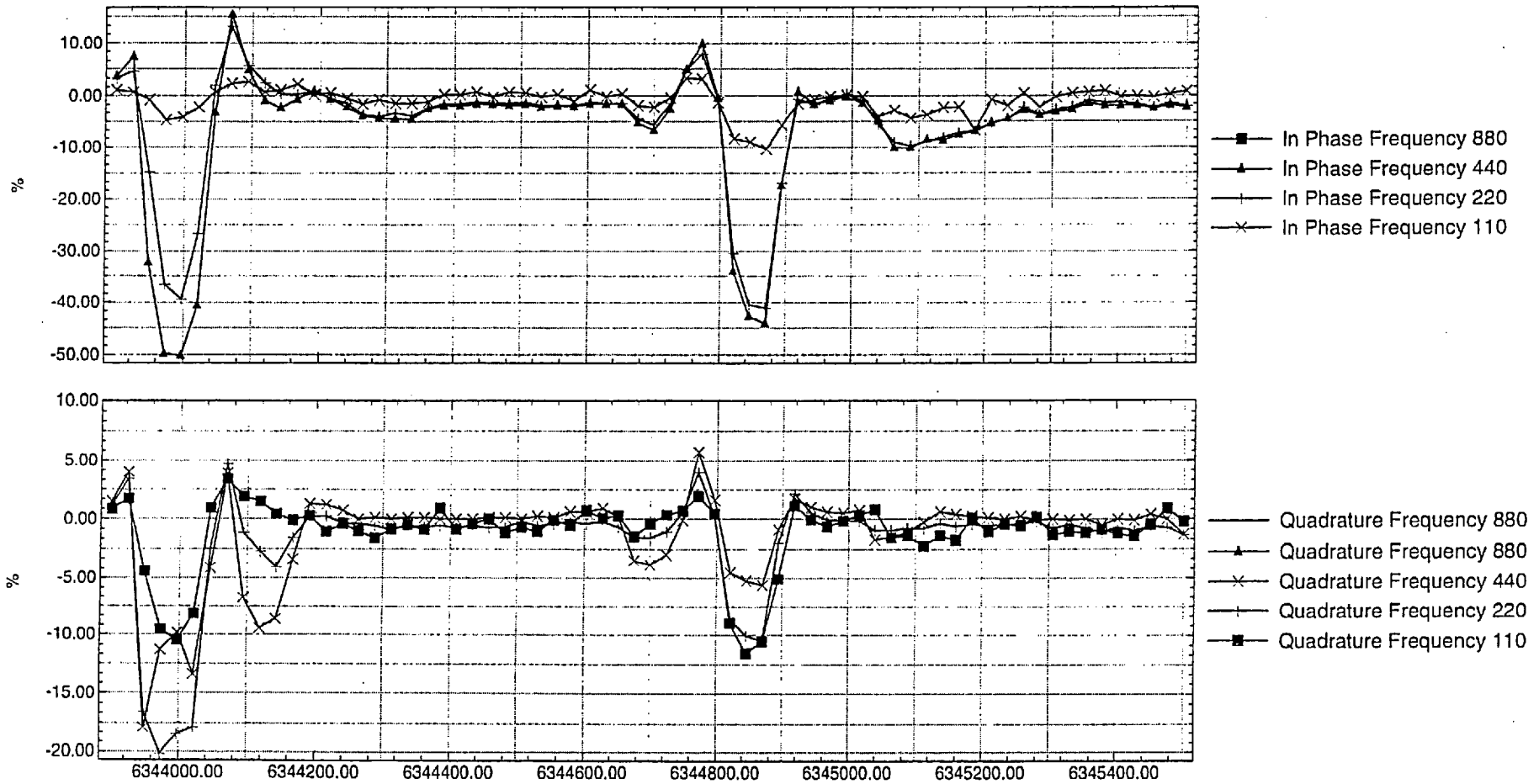
- Carte des gîtes minéraux du Québec, région de la fosse du Labrador; T. Clark, P. Marcoux, M. Bélanger, C. Wilson, et L. Avramtchev, compilateurs; DV 84-01, Géologie Québec (SIGEOM), MNR, 1990.
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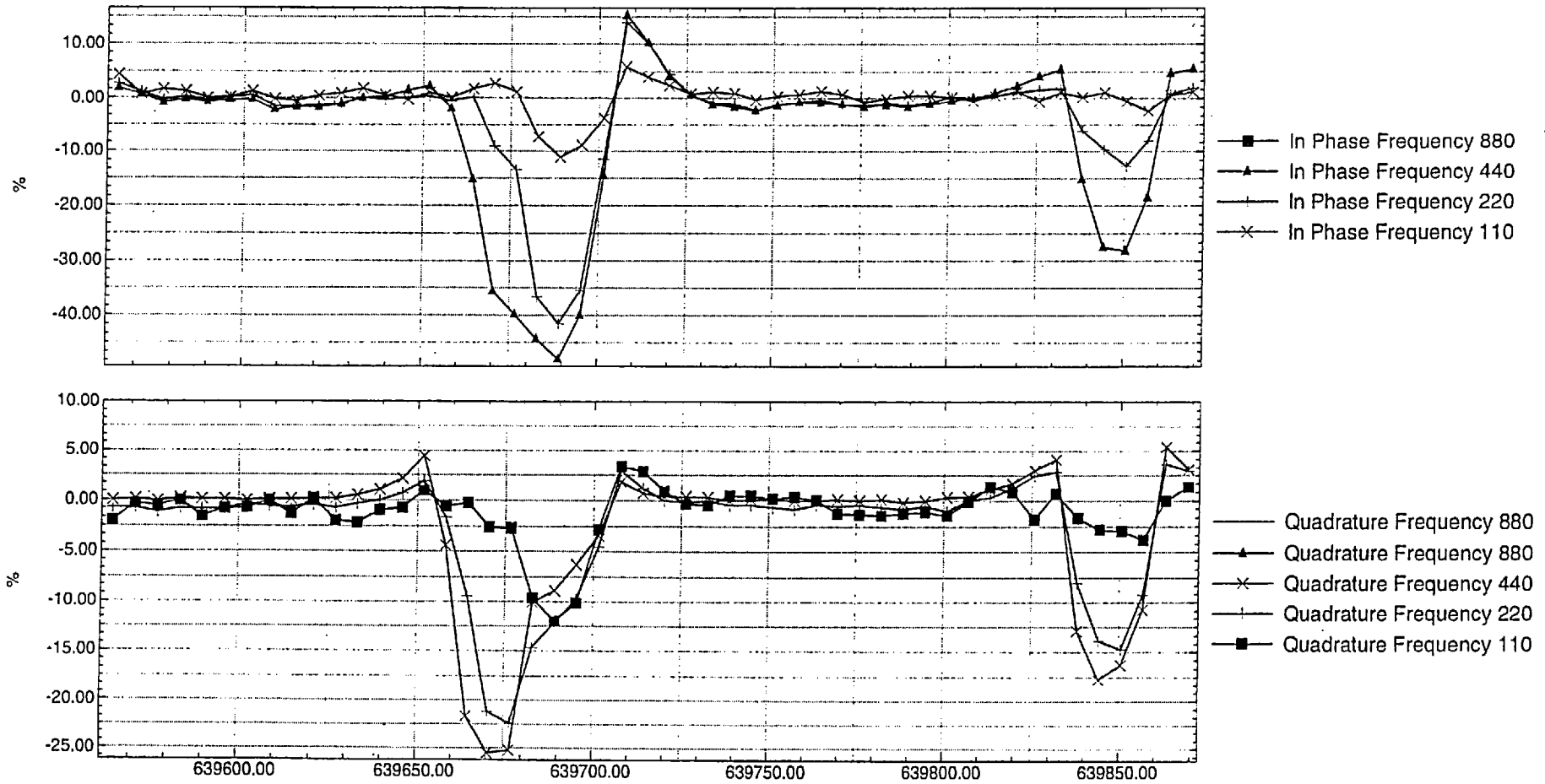
Appendix 4d
MaxMin Survey Profile Plots

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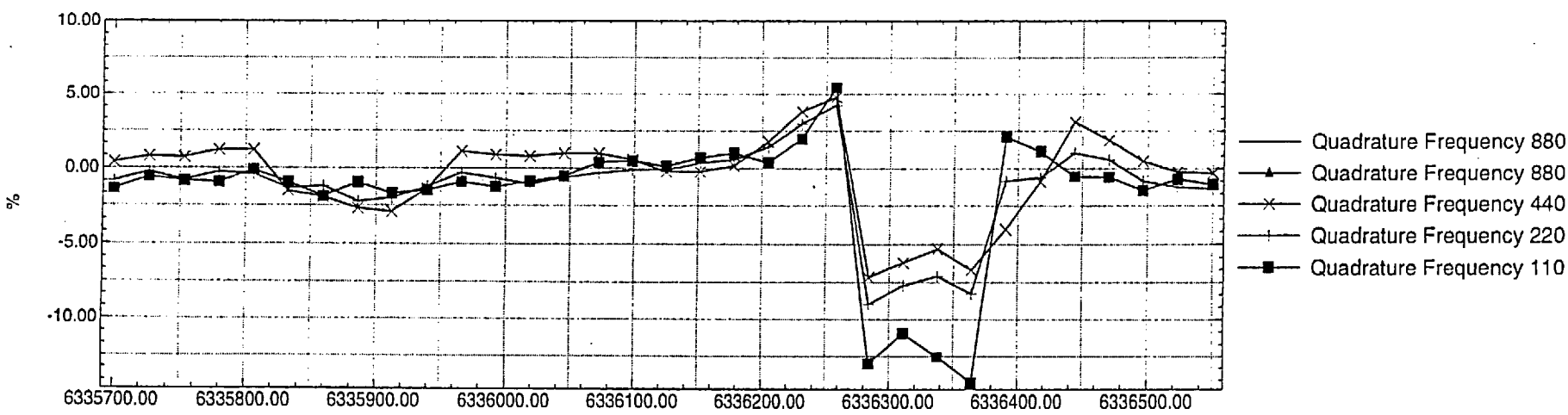
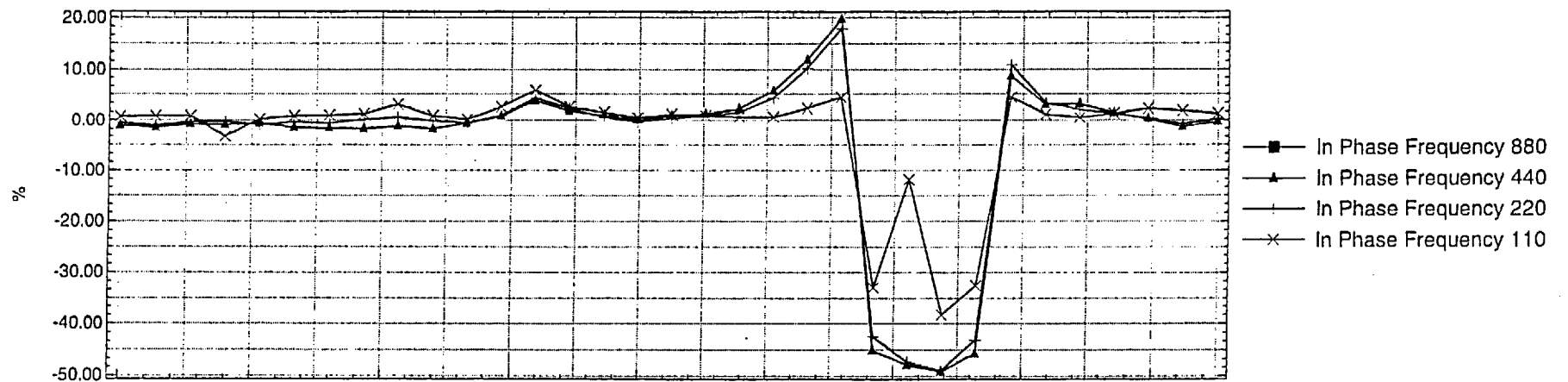
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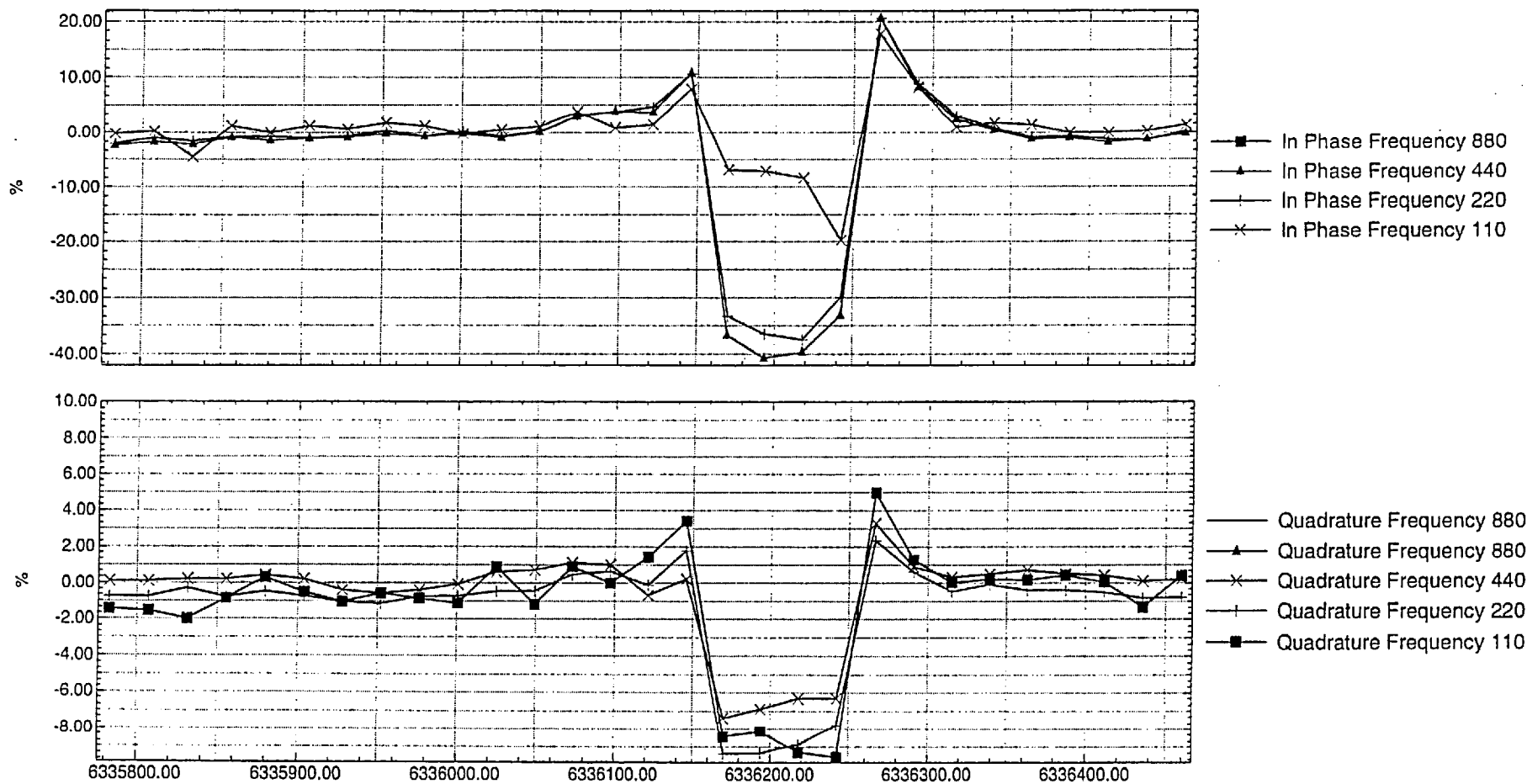
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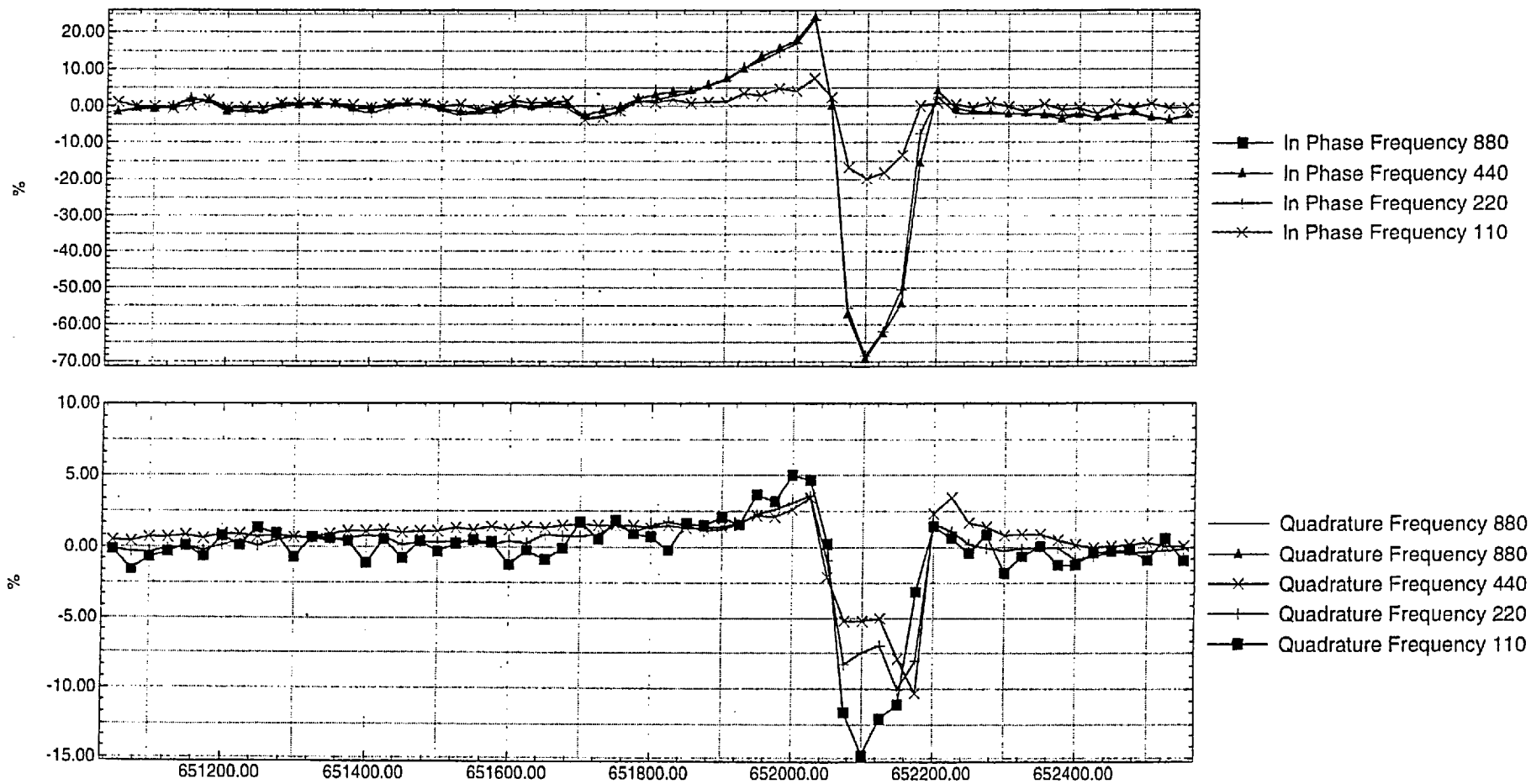
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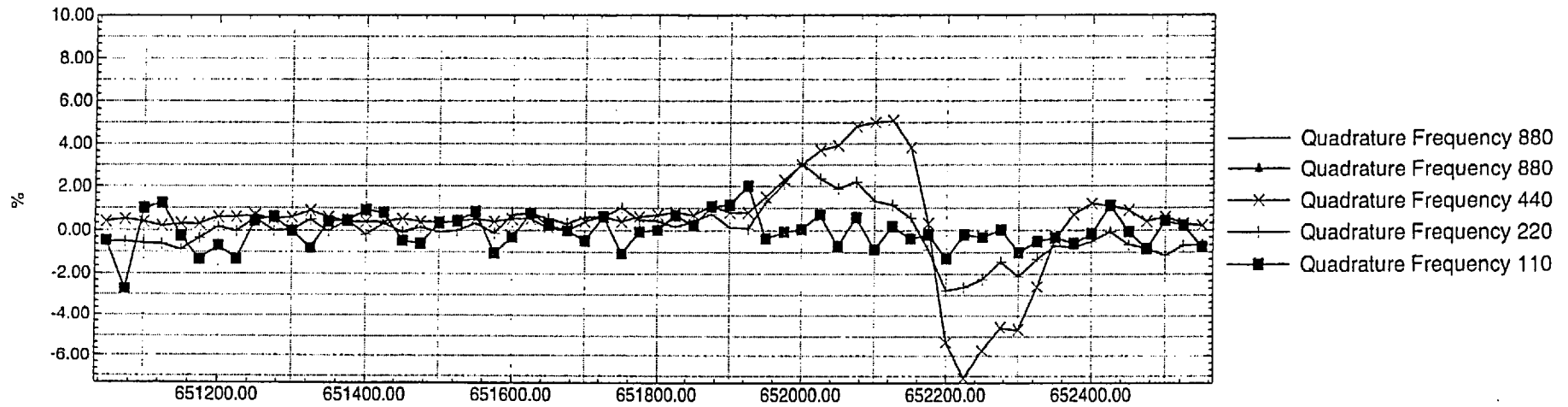
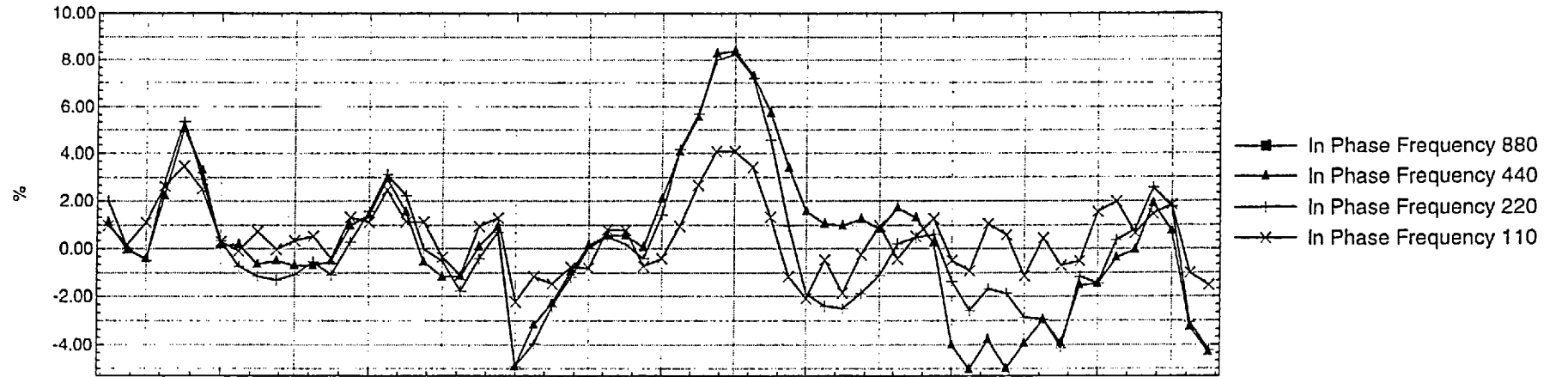
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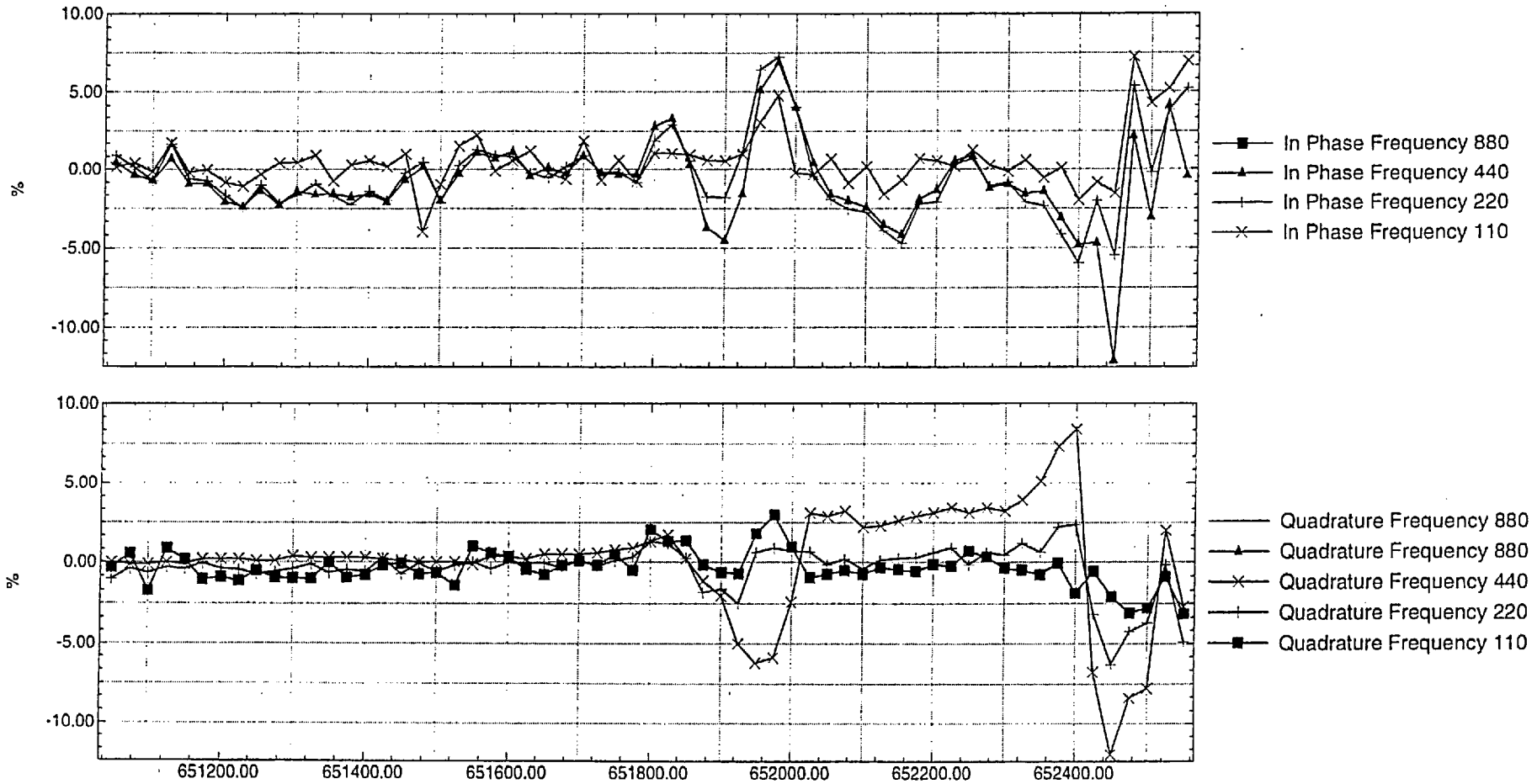
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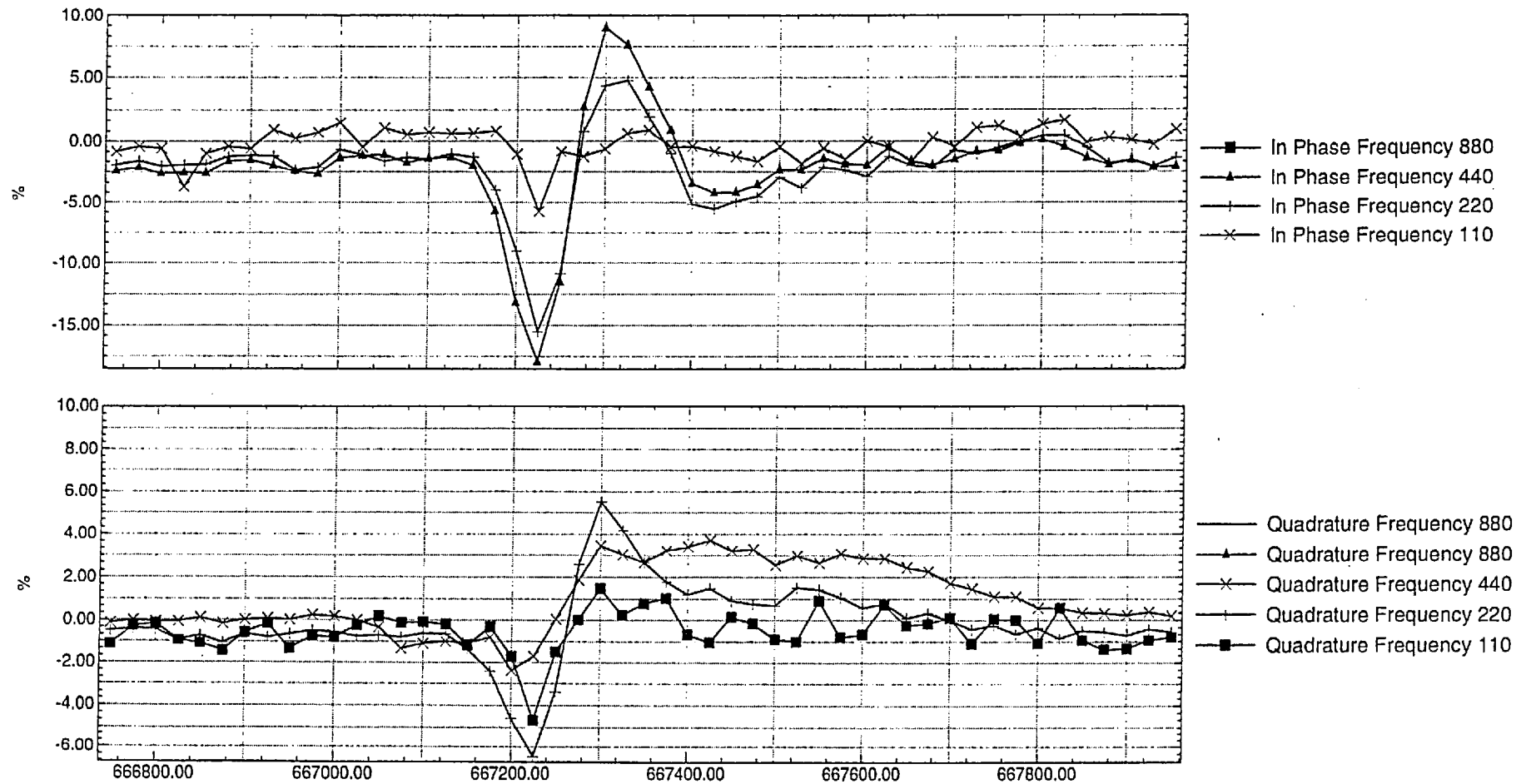
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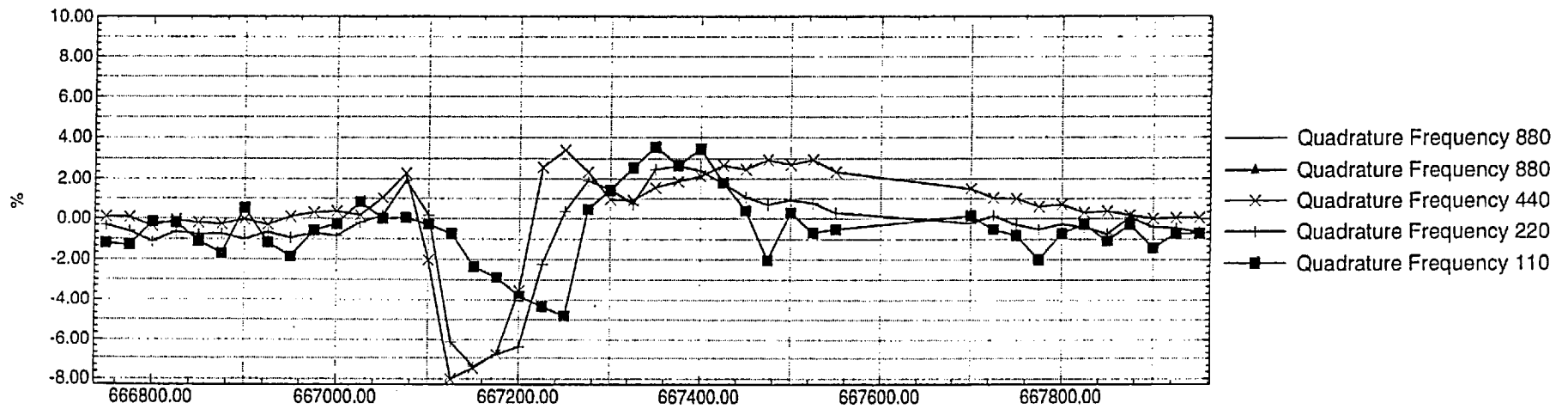
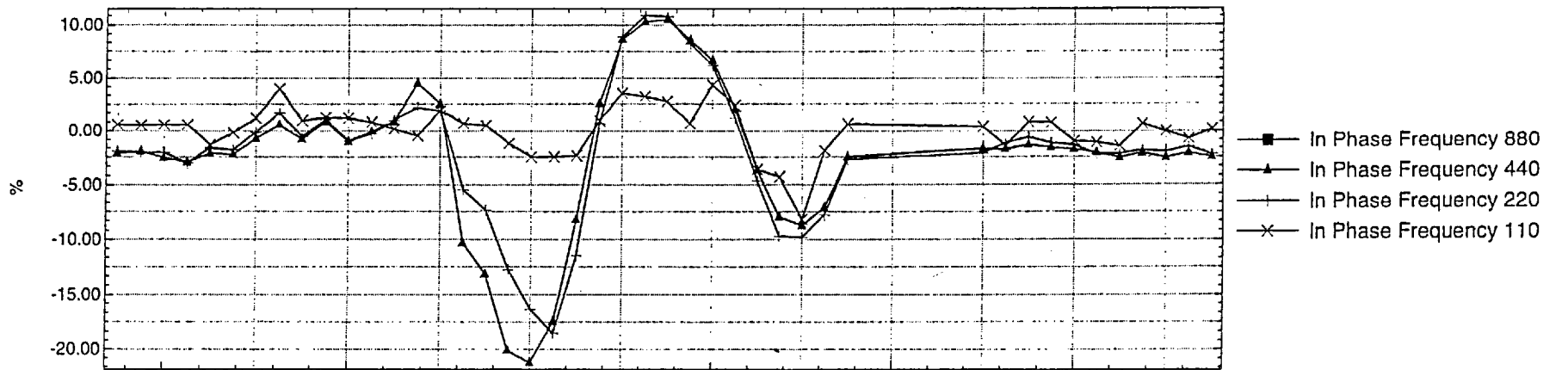
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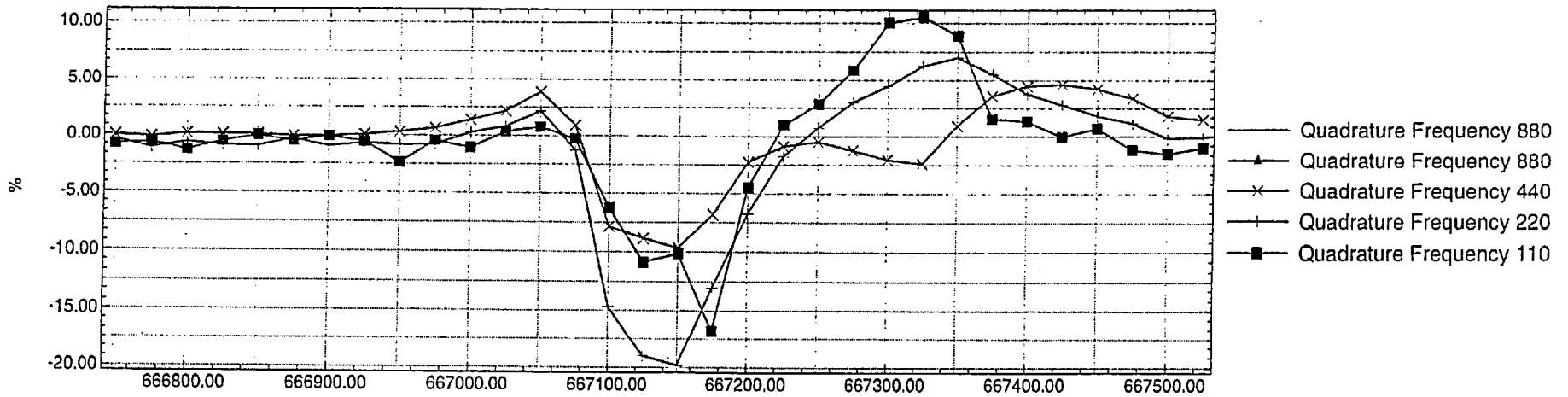
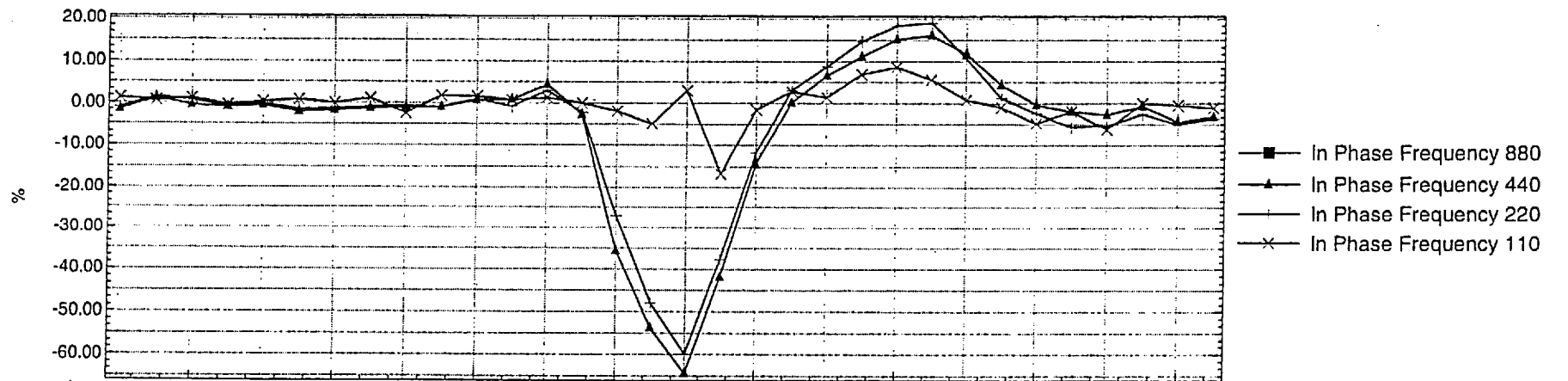
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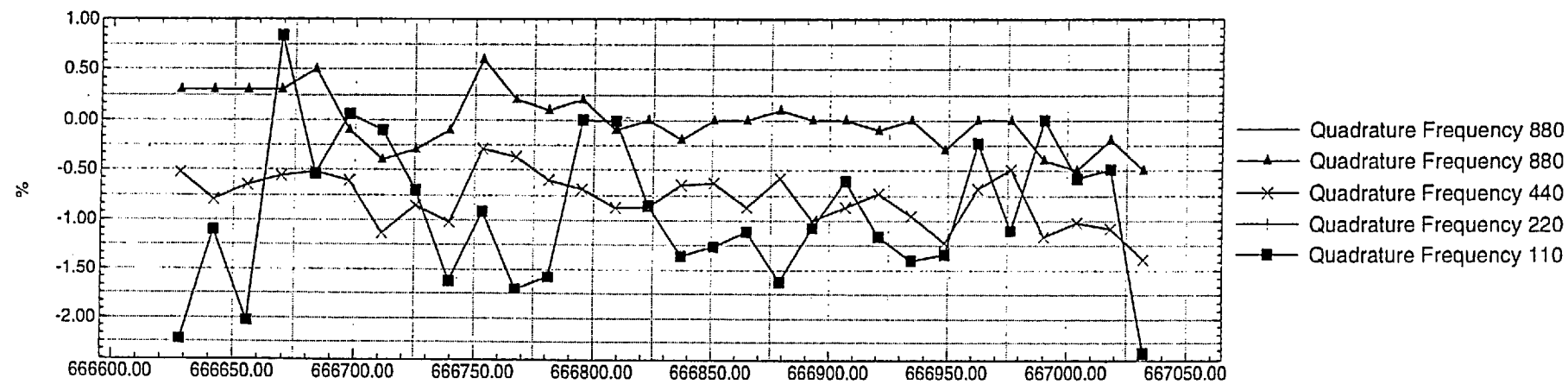
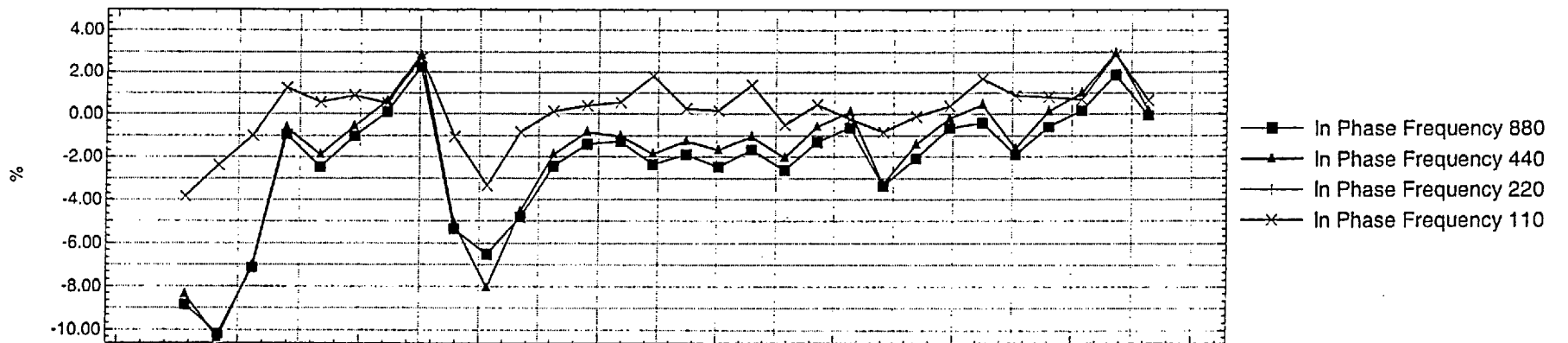
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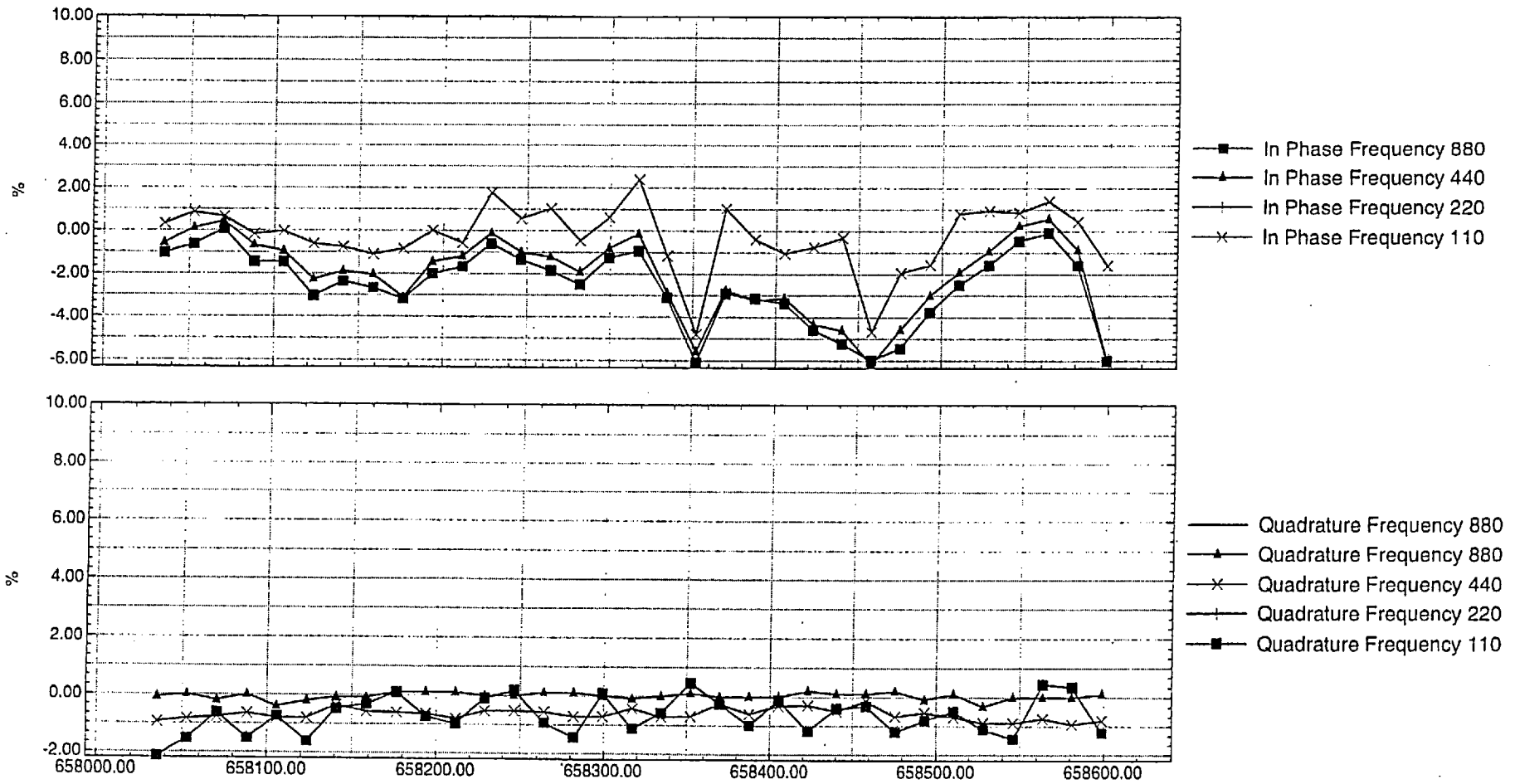
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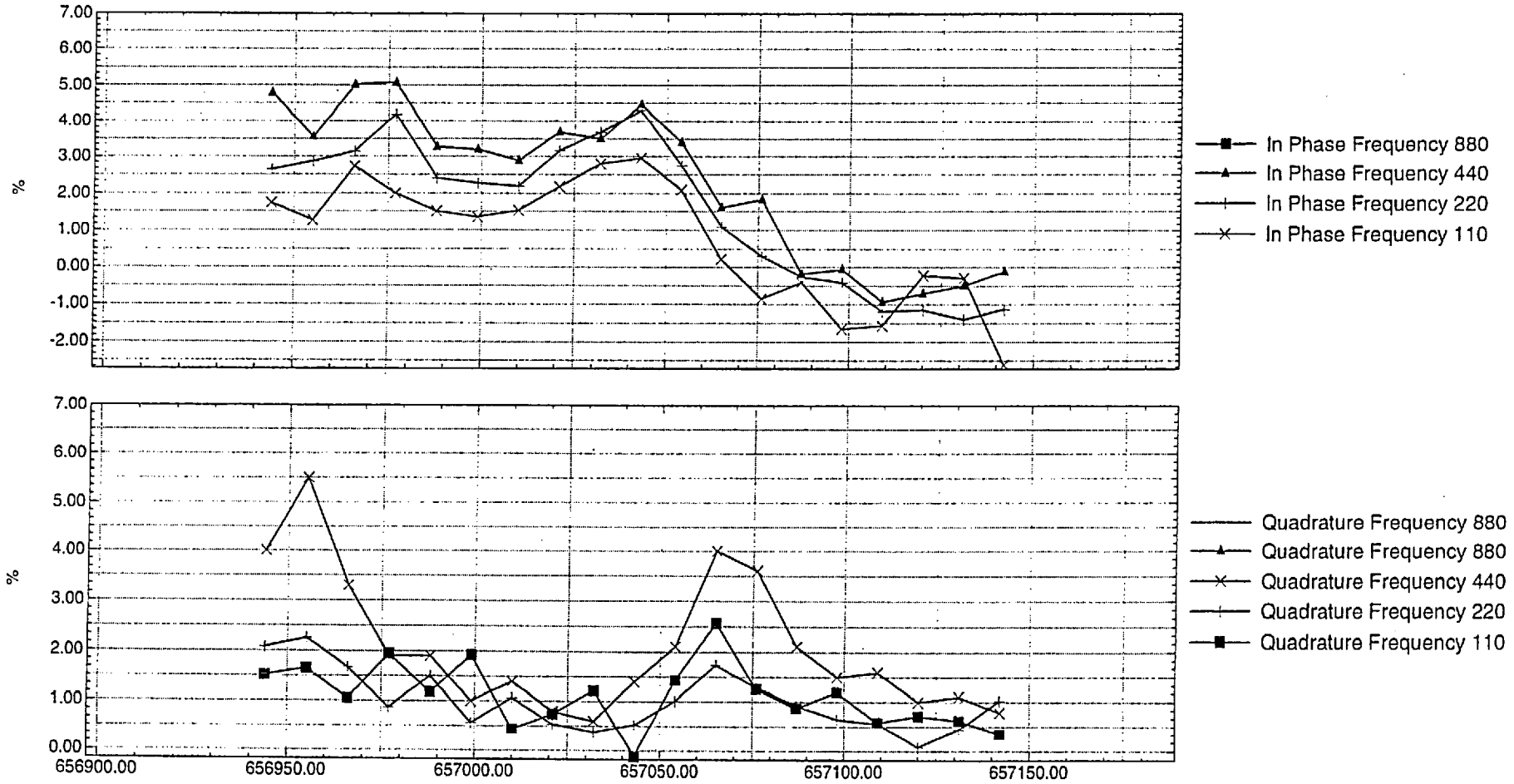
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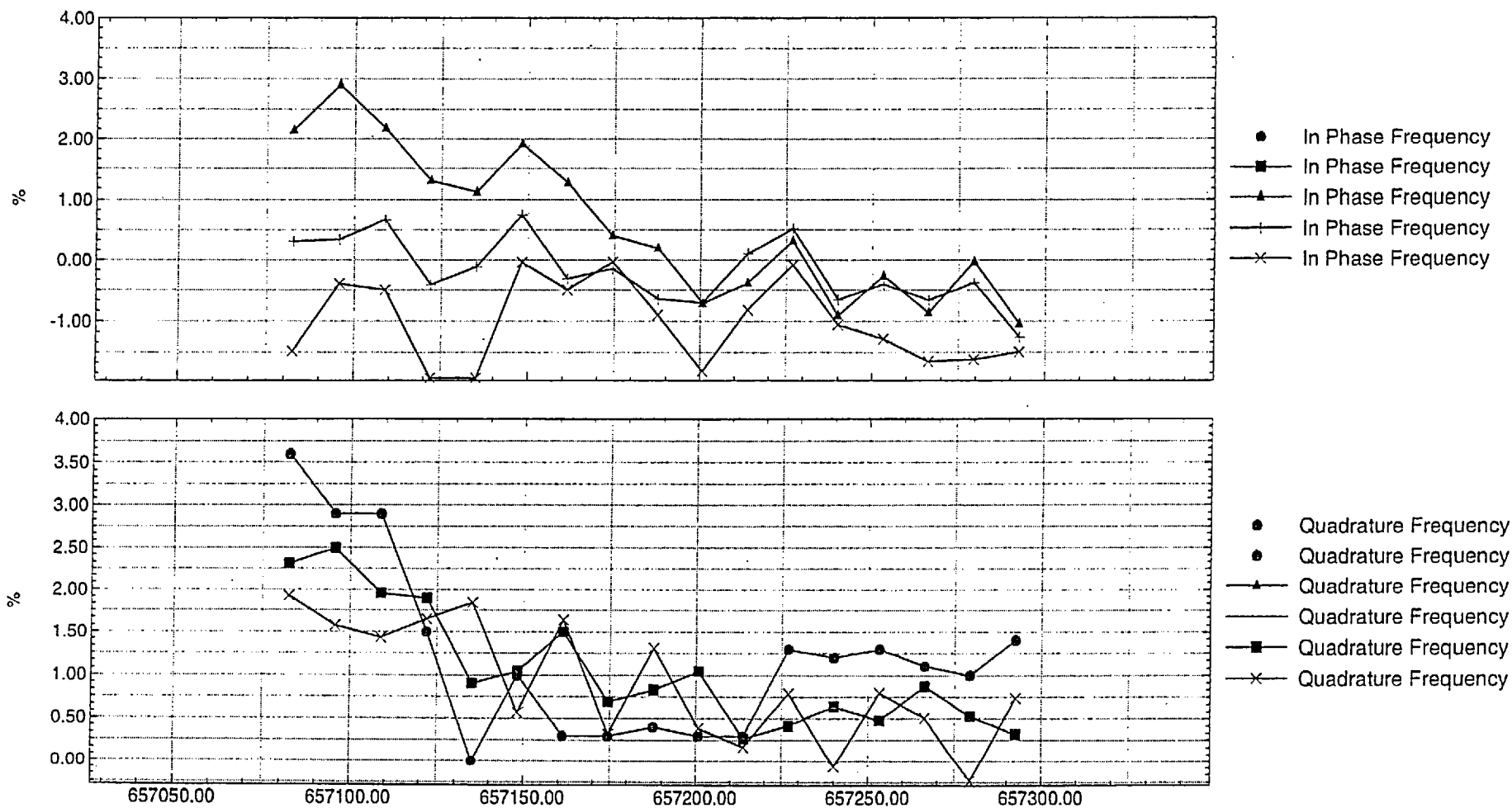
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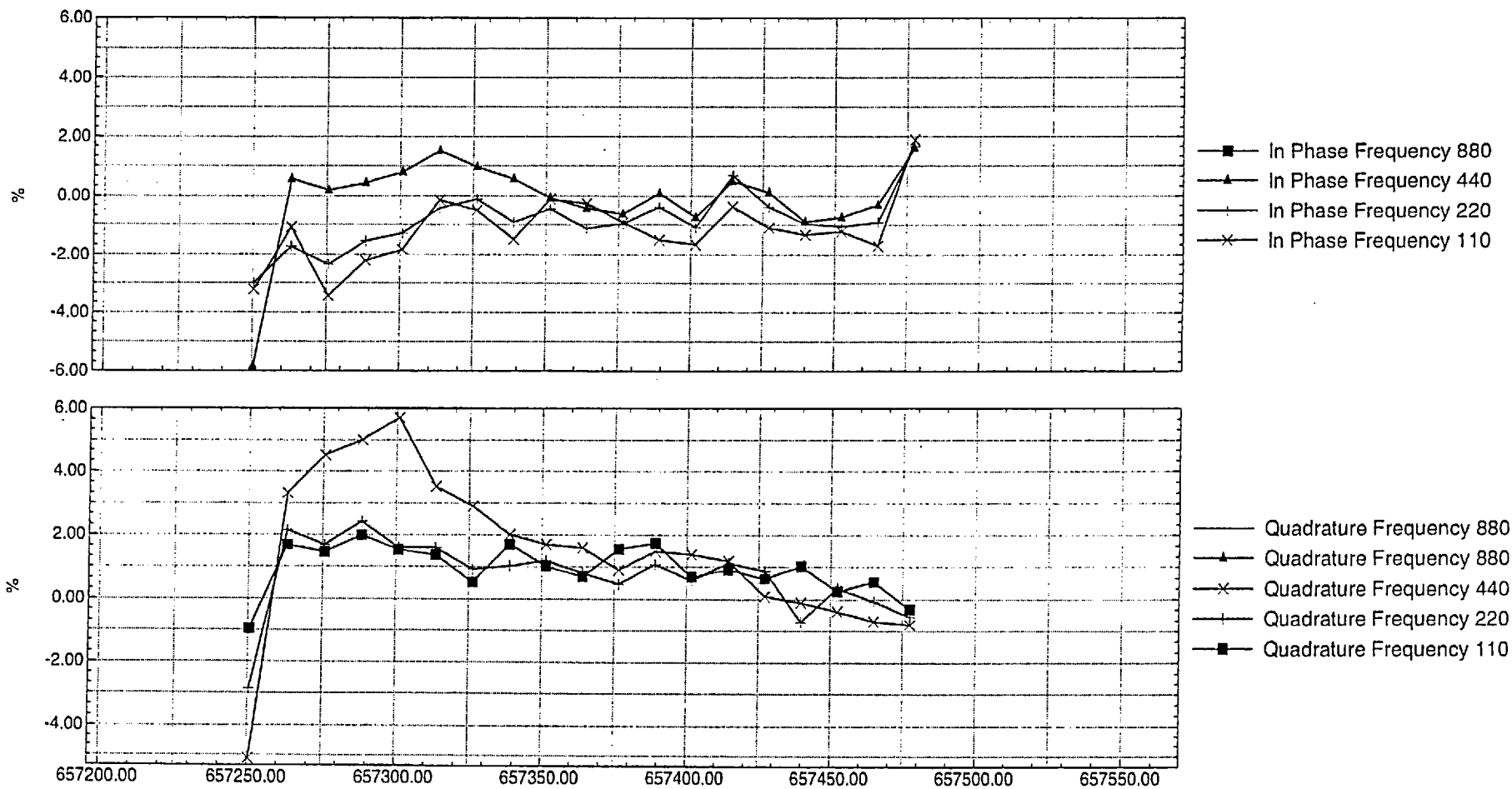
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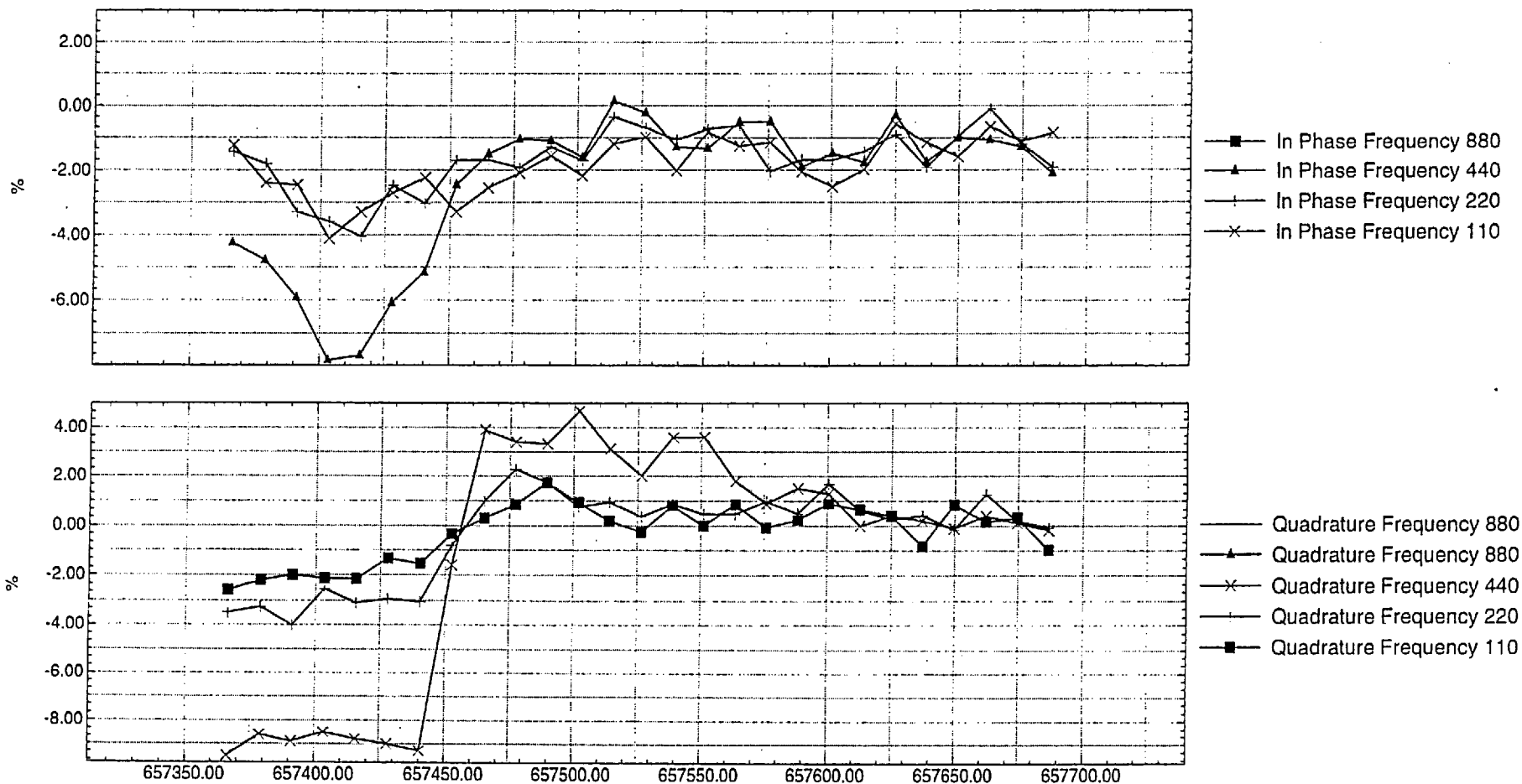
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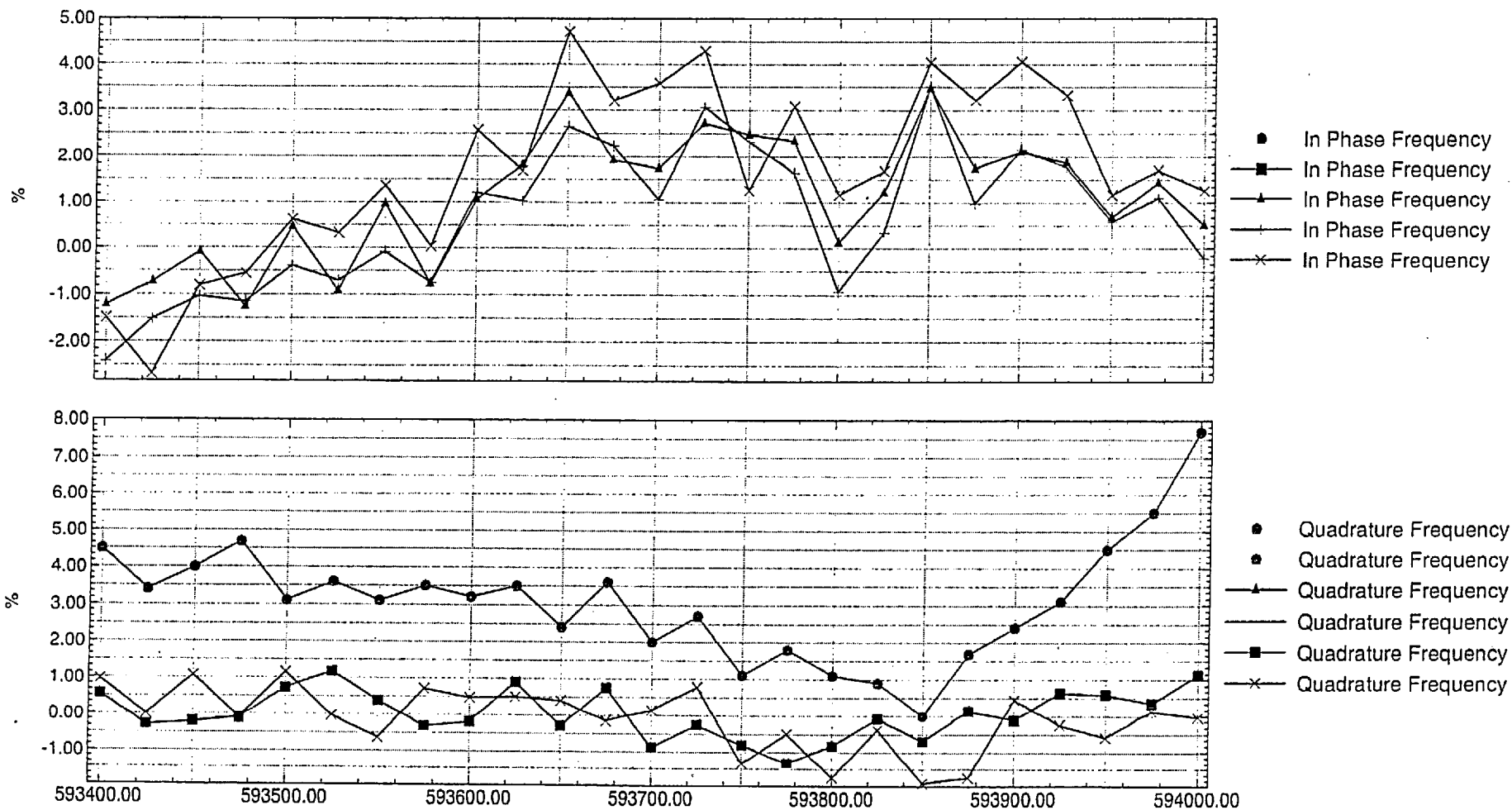
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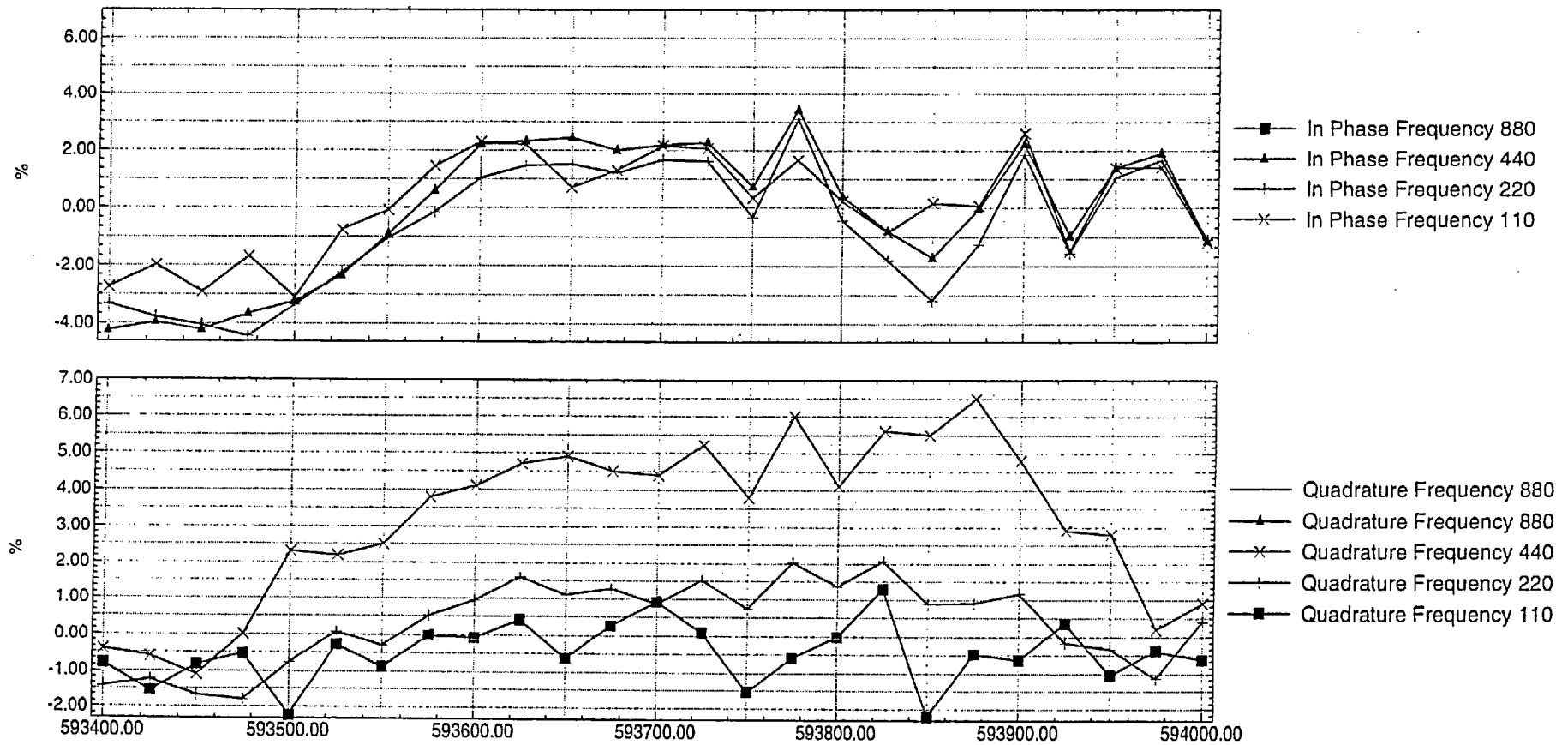
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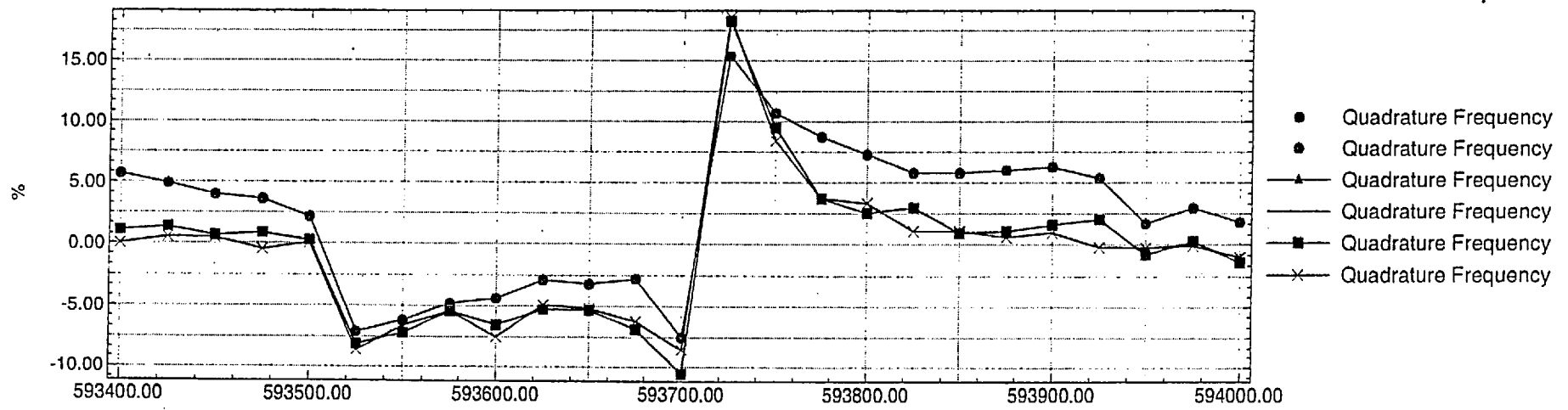
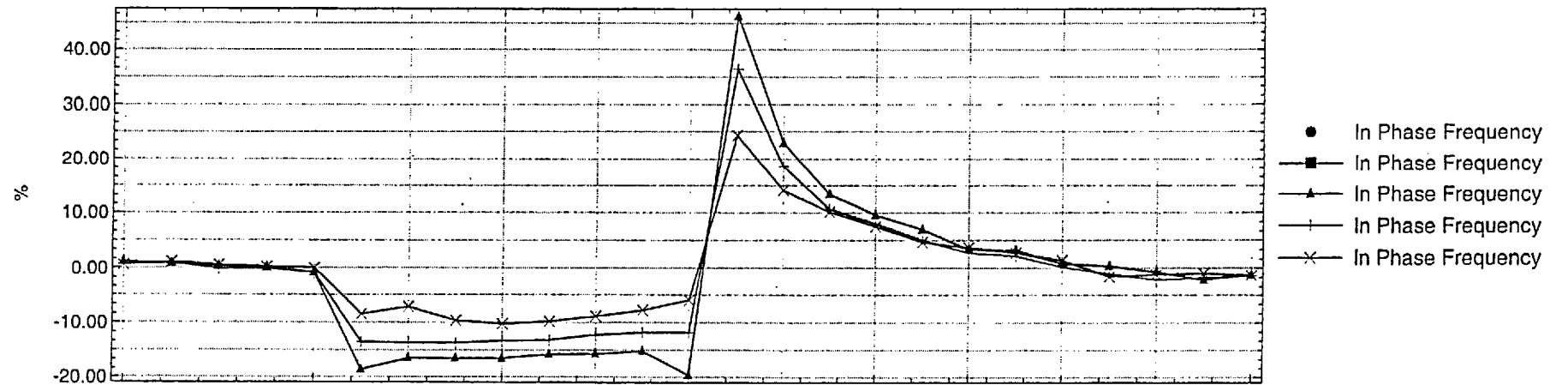
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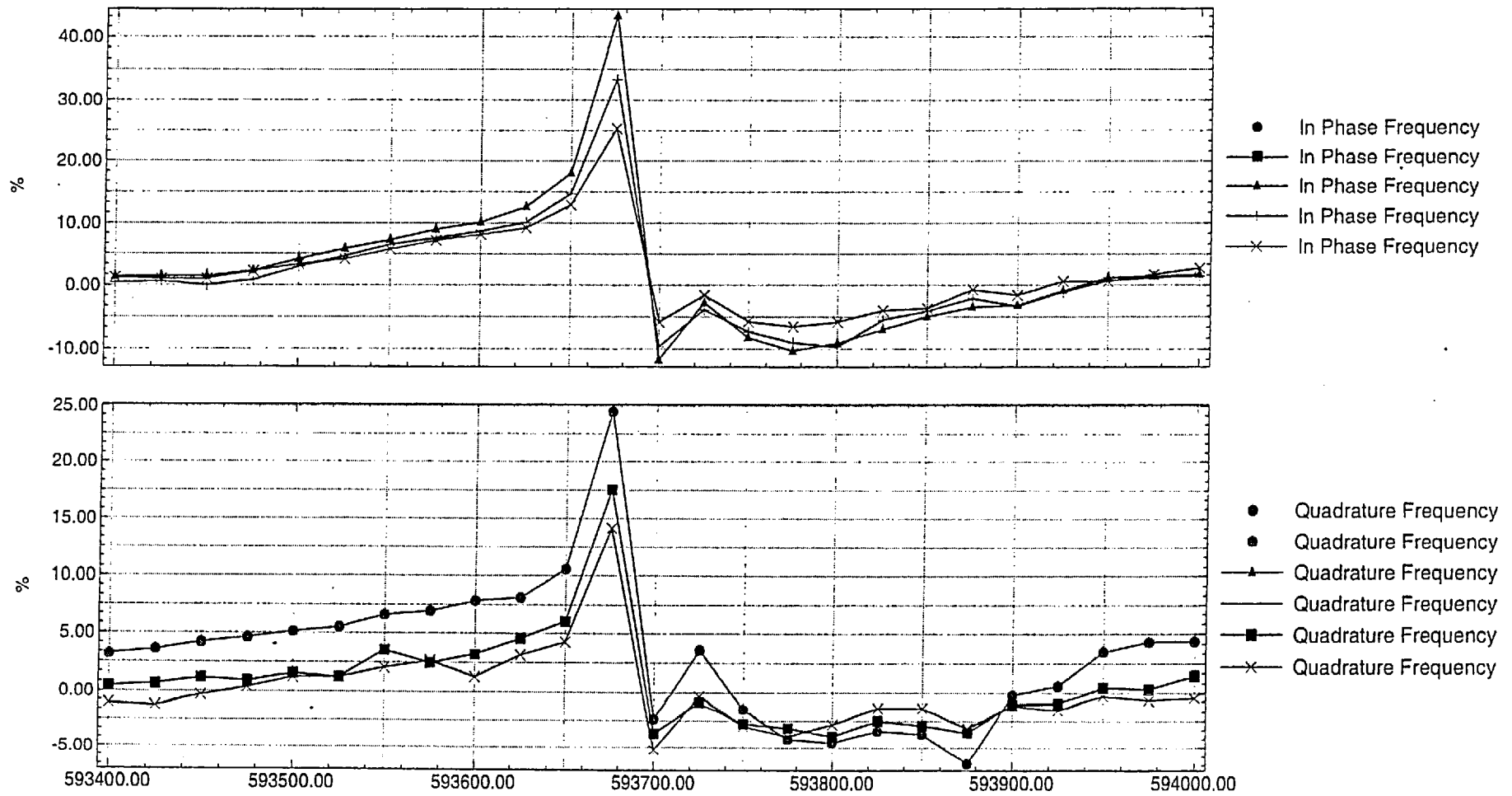
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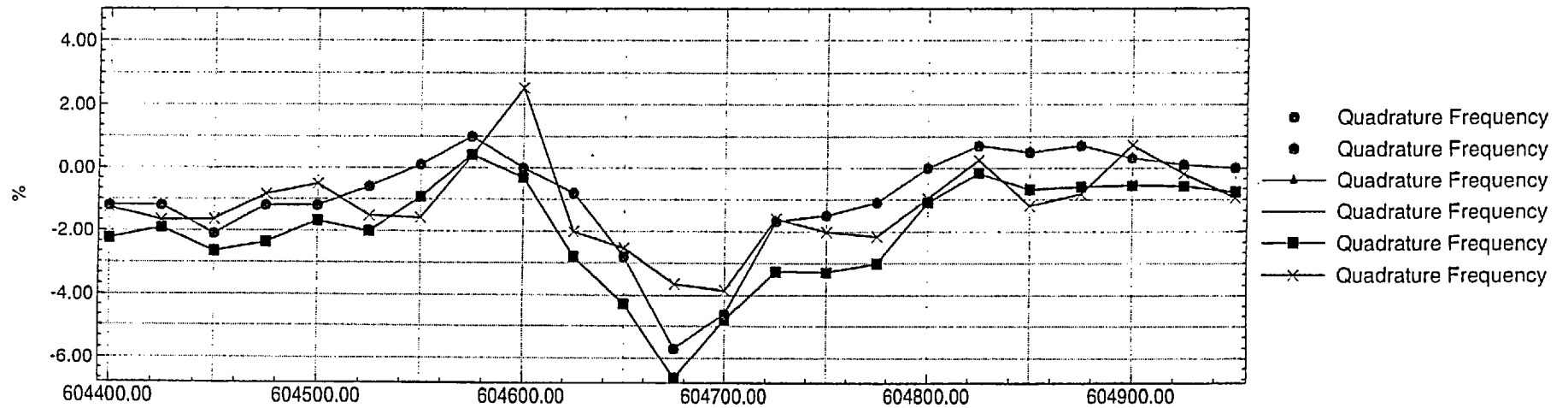
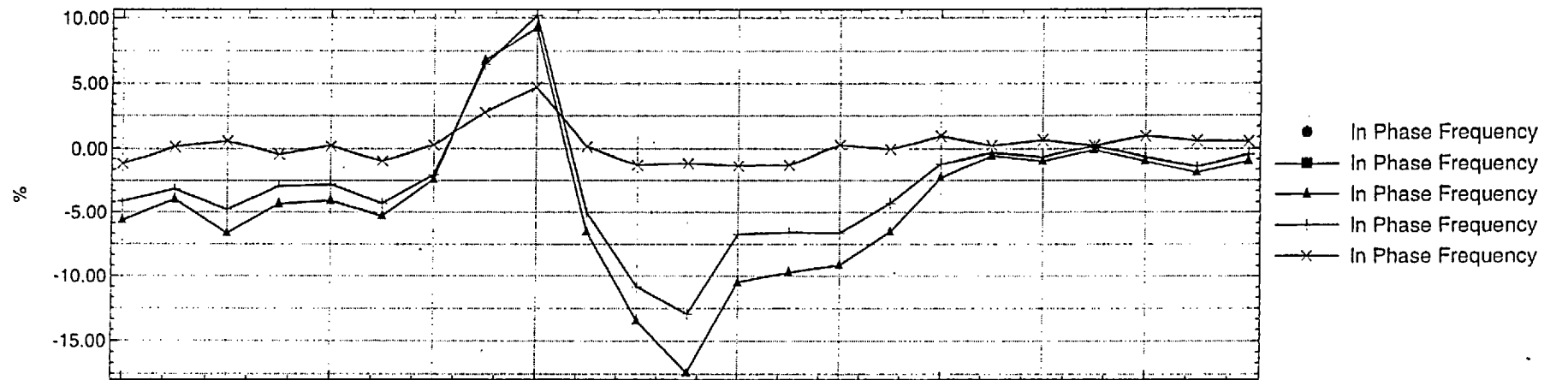
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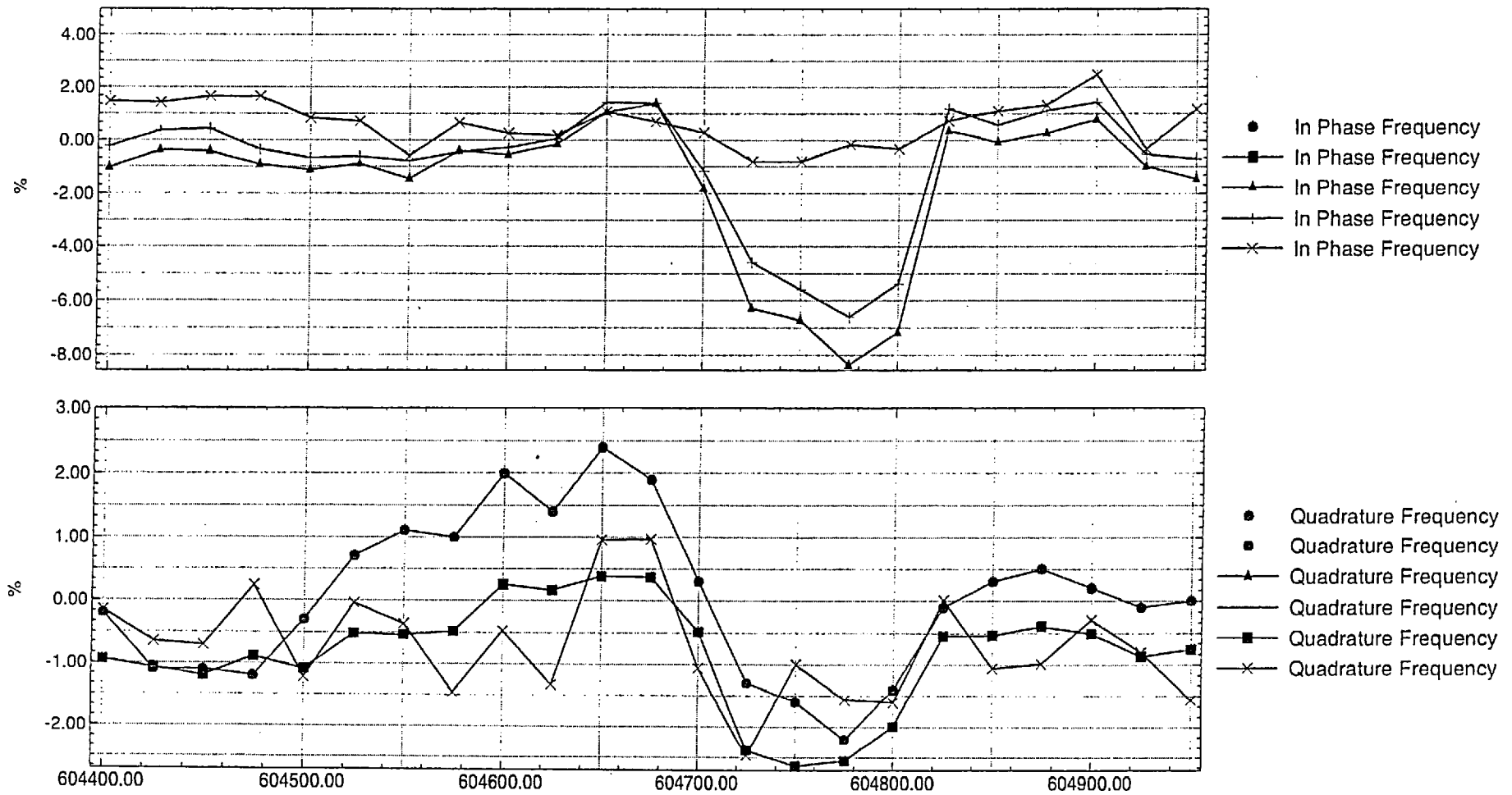
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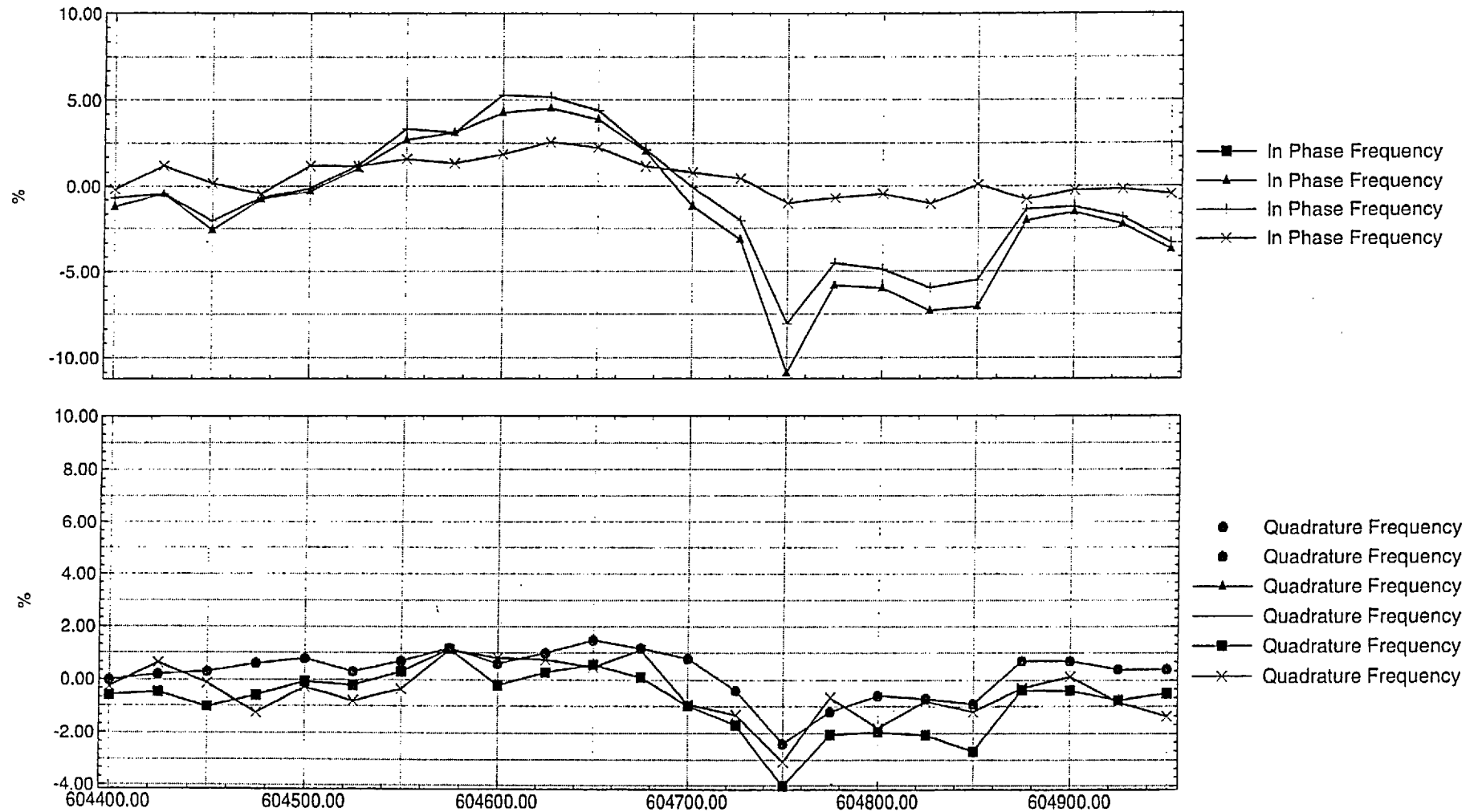
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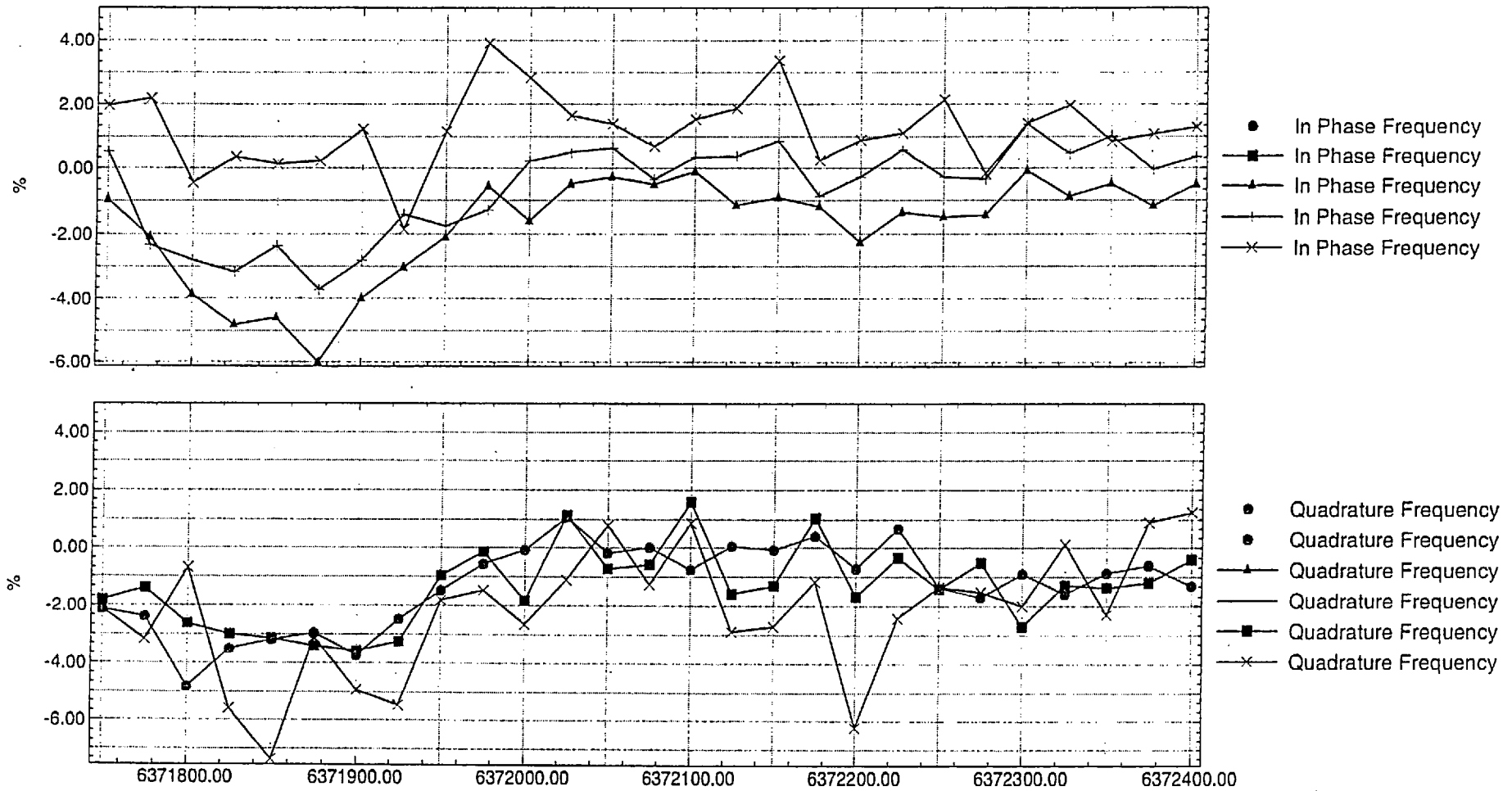
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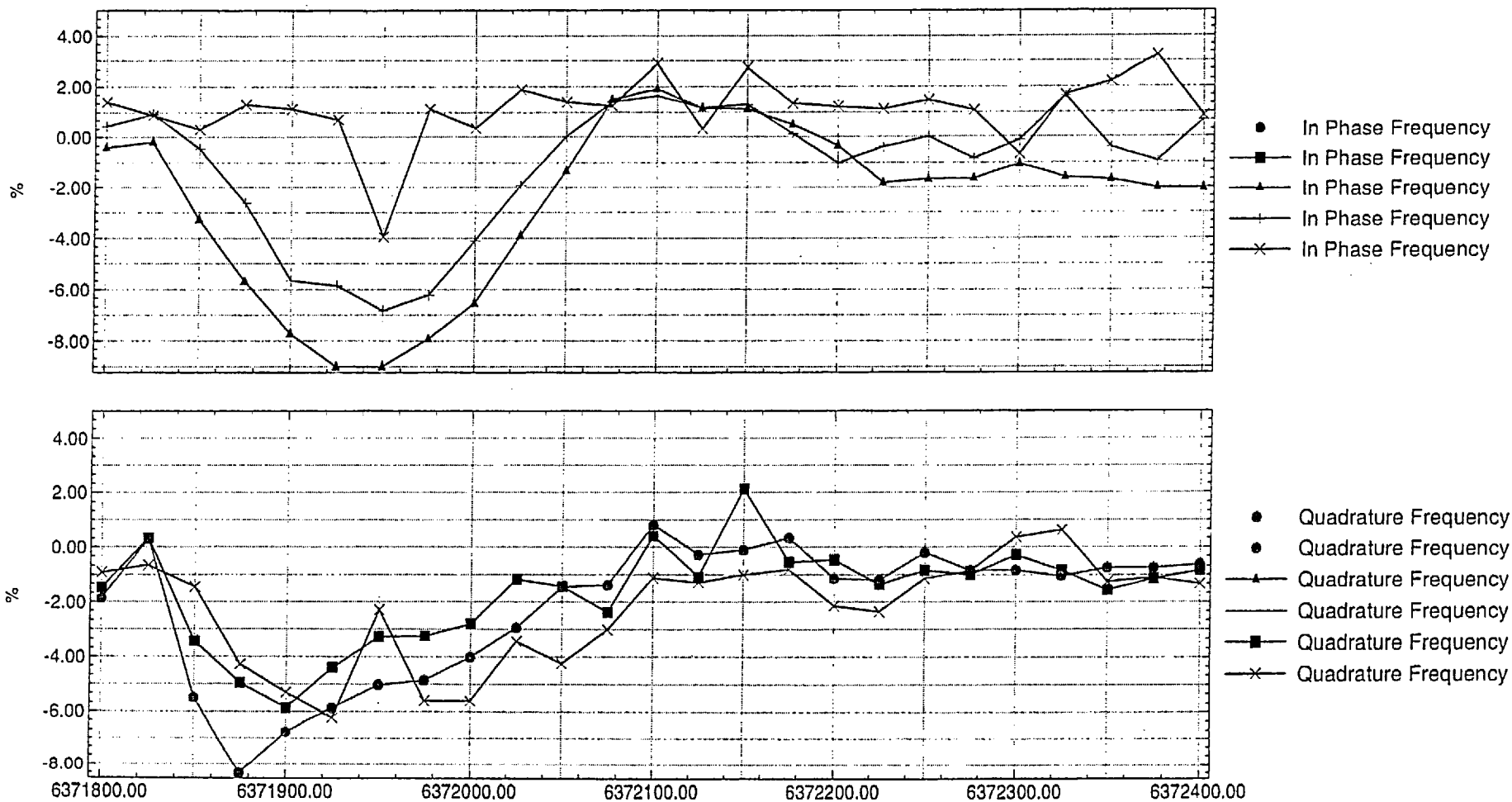
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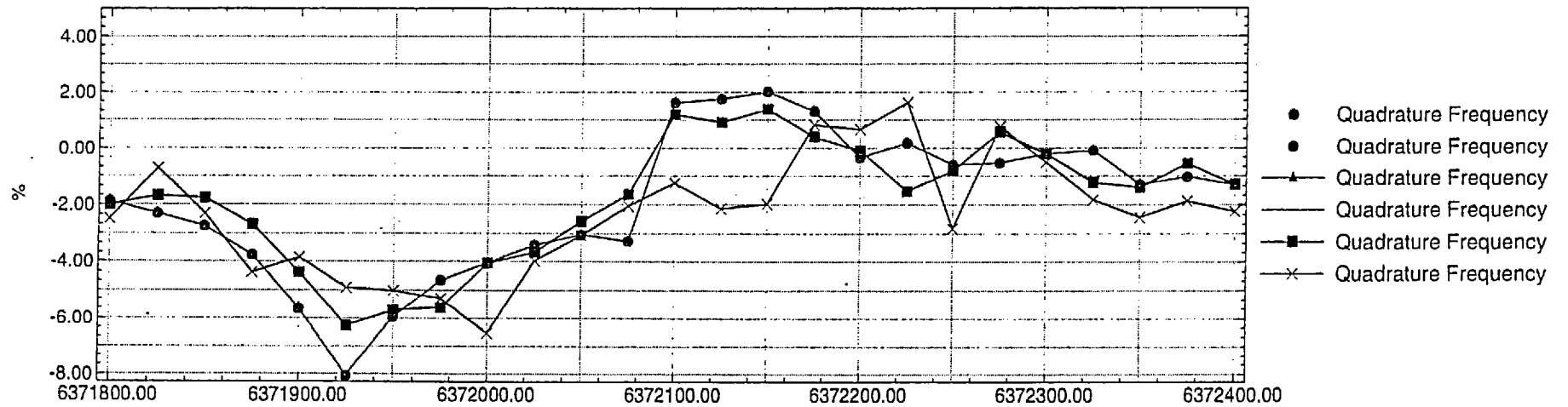
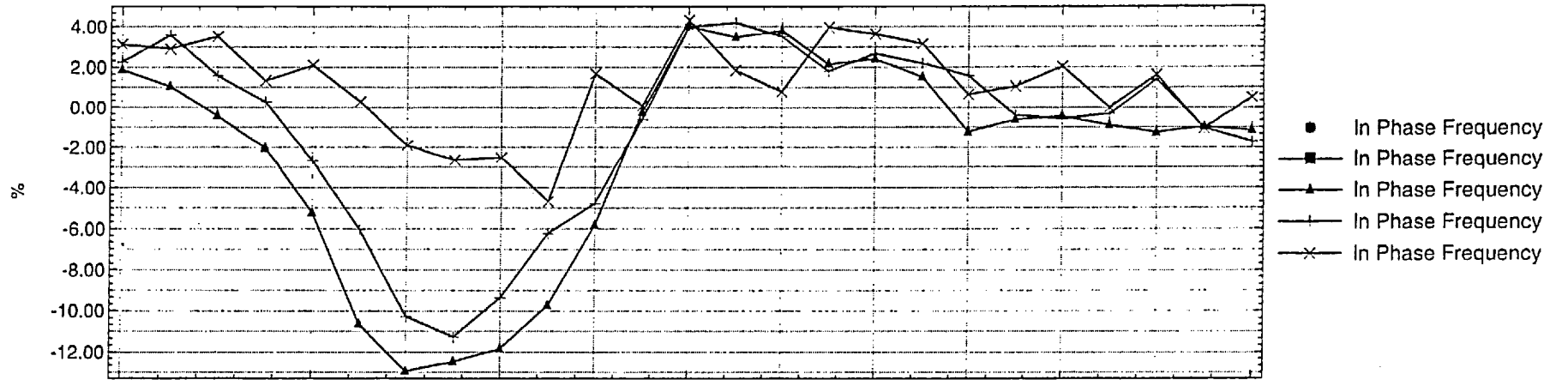
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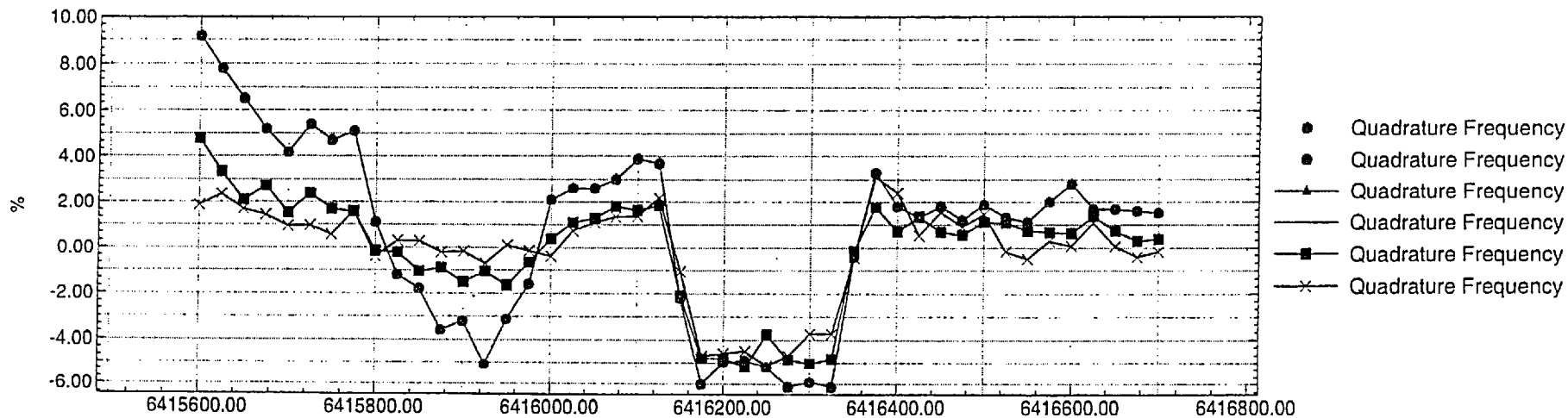
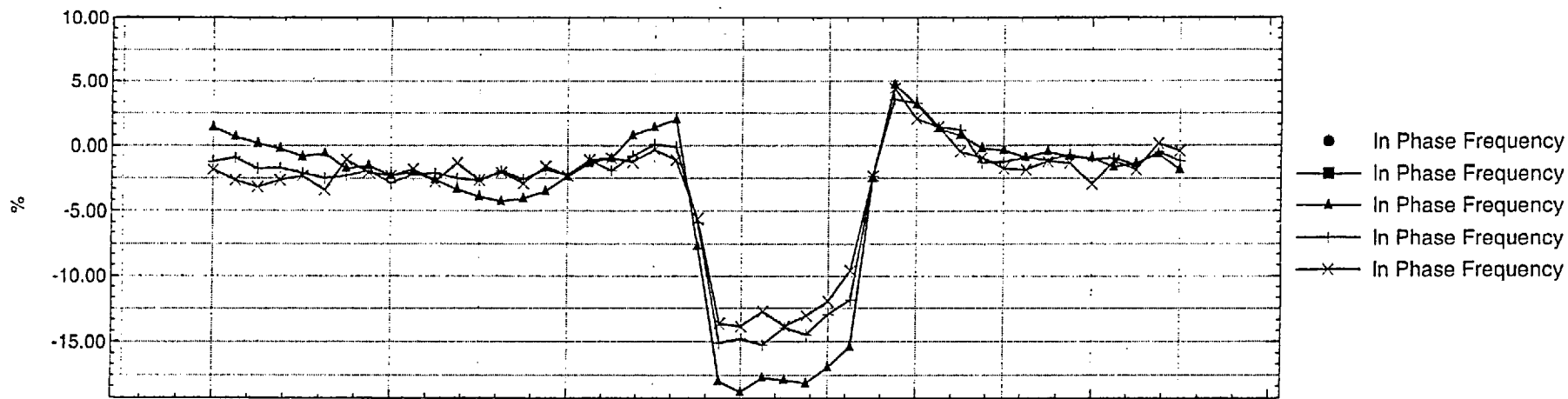
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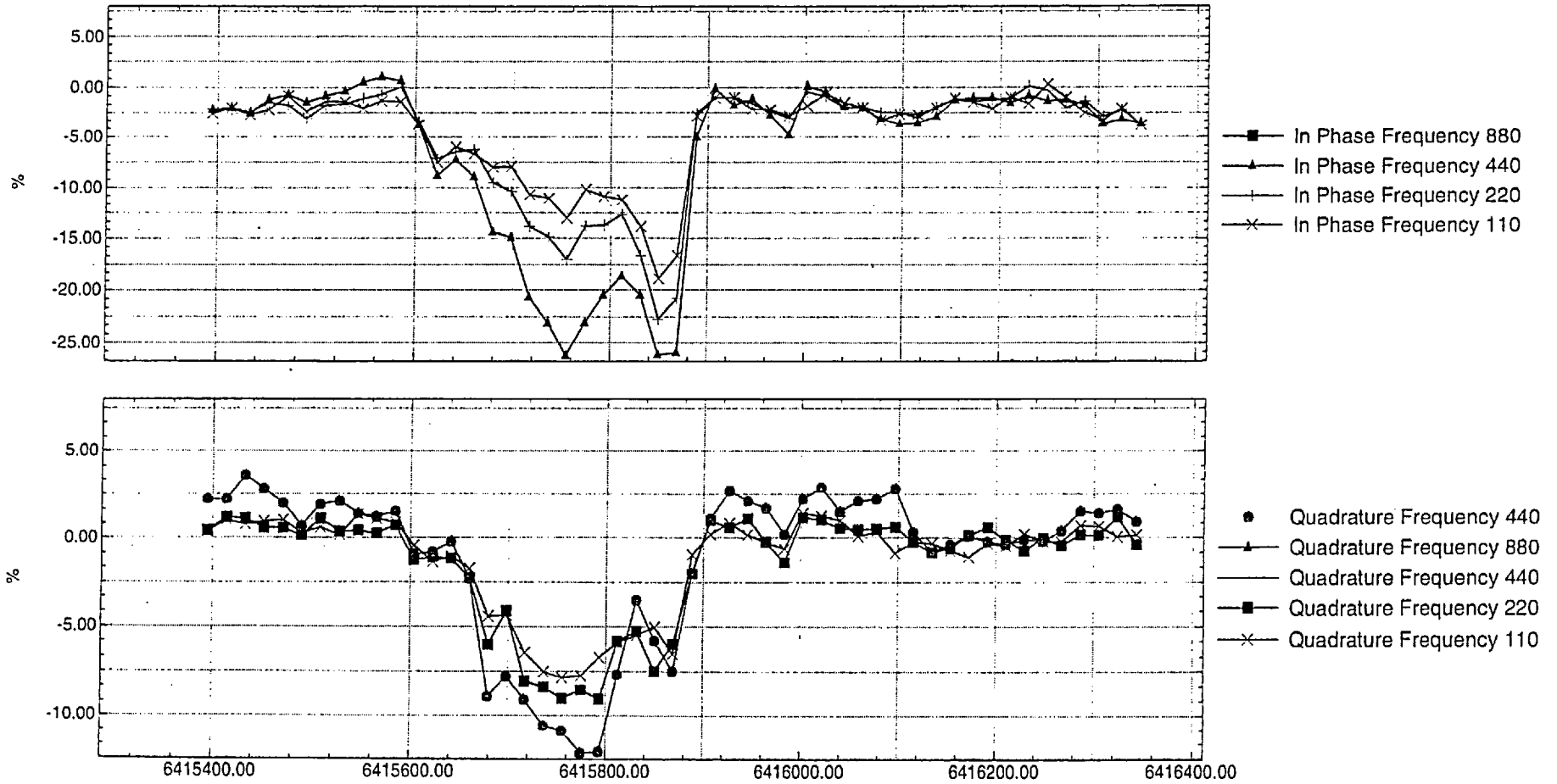
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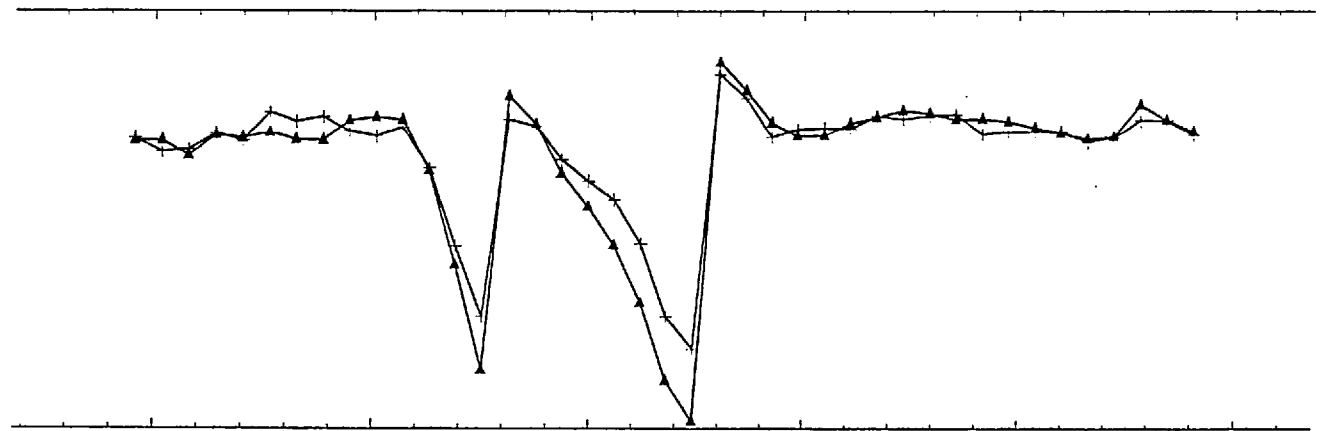
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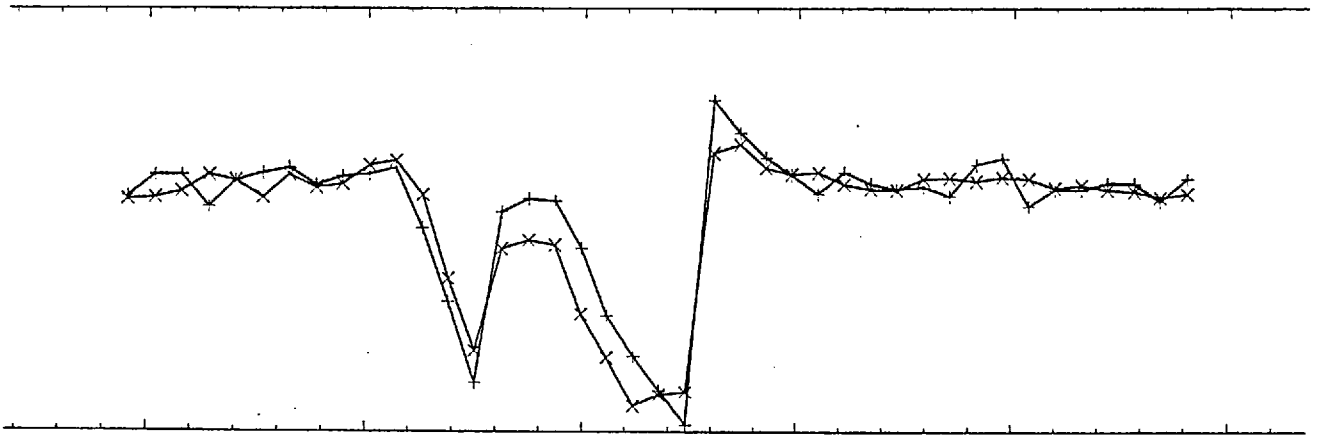
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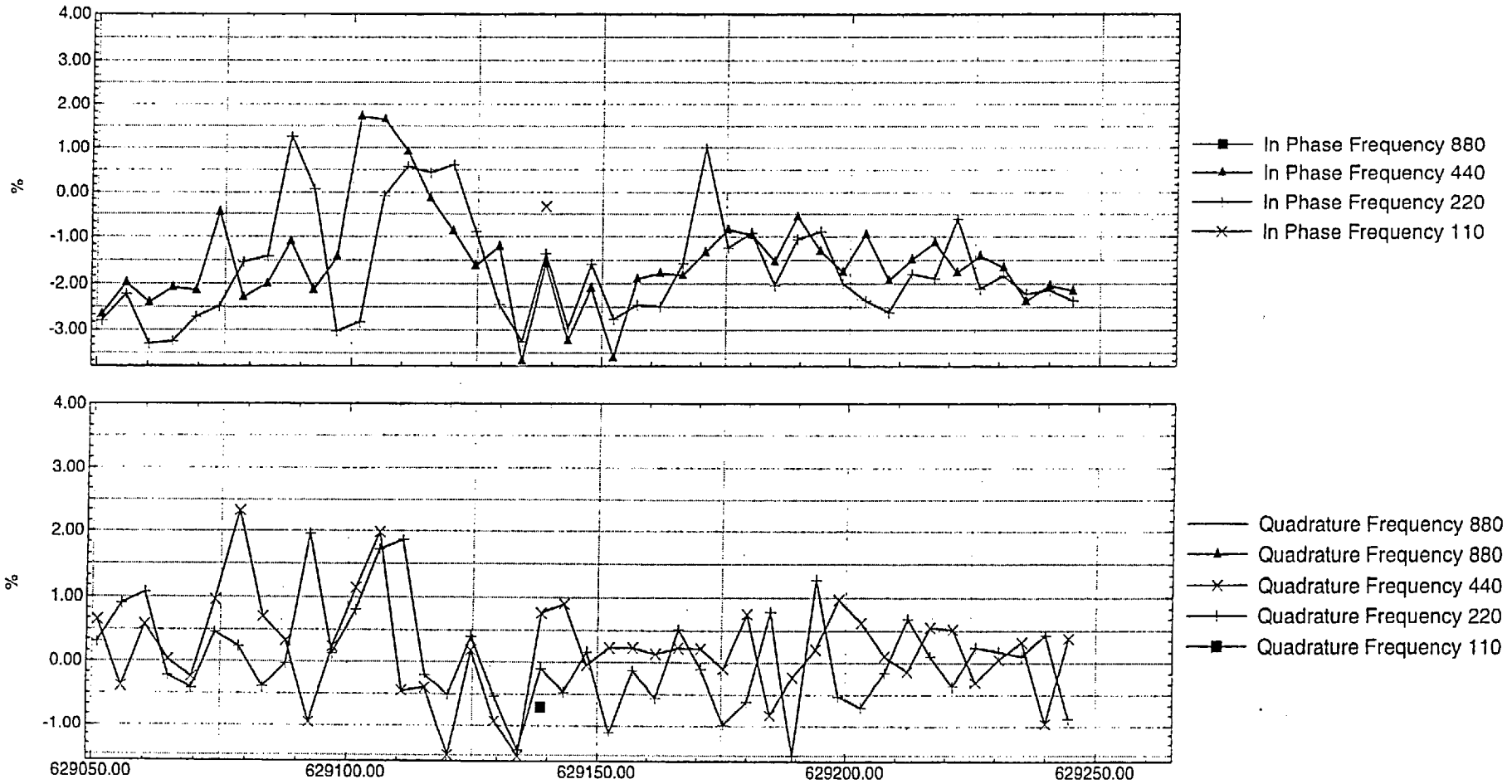


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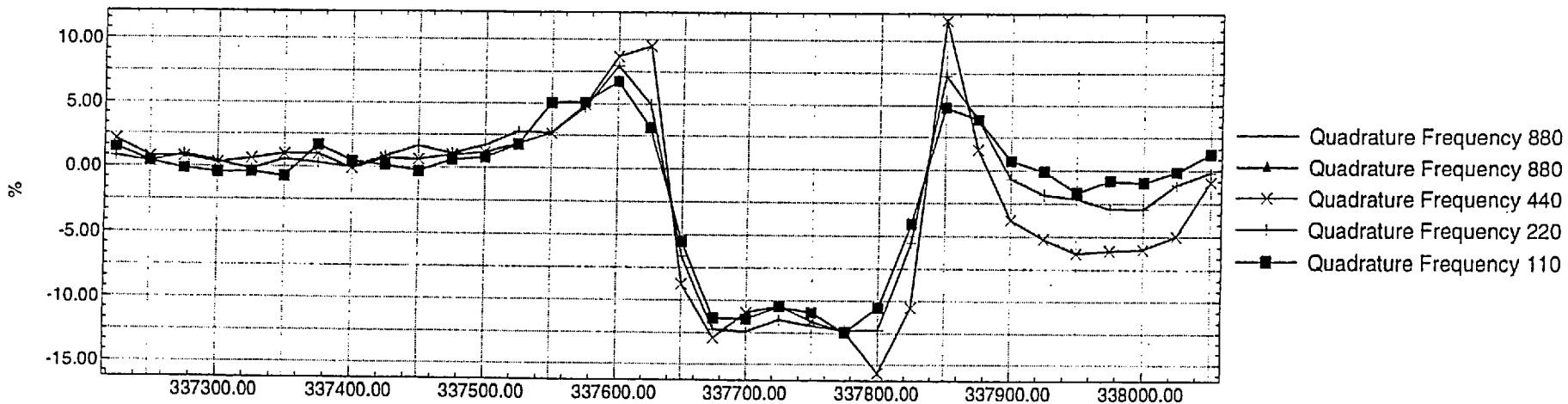
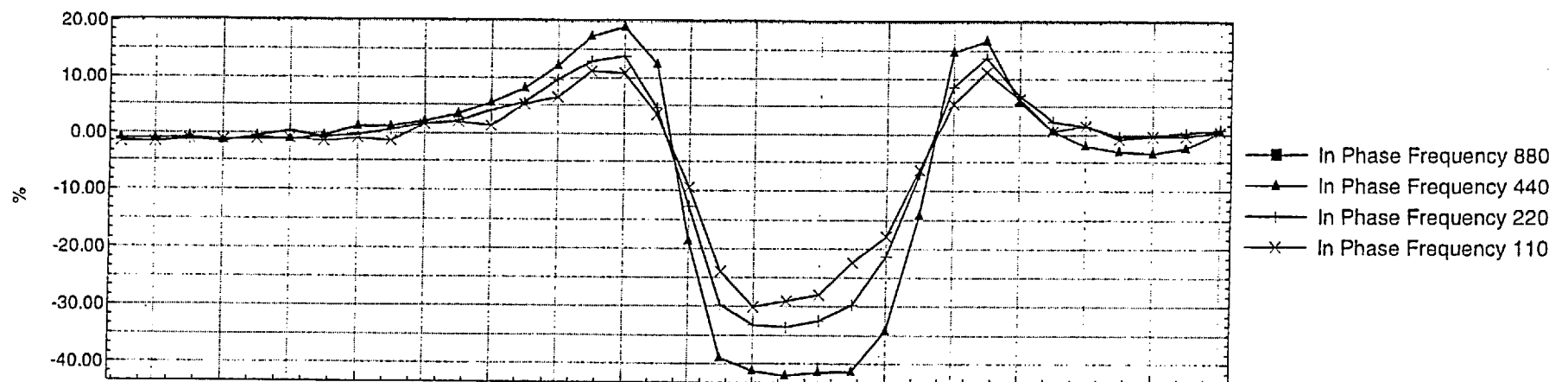


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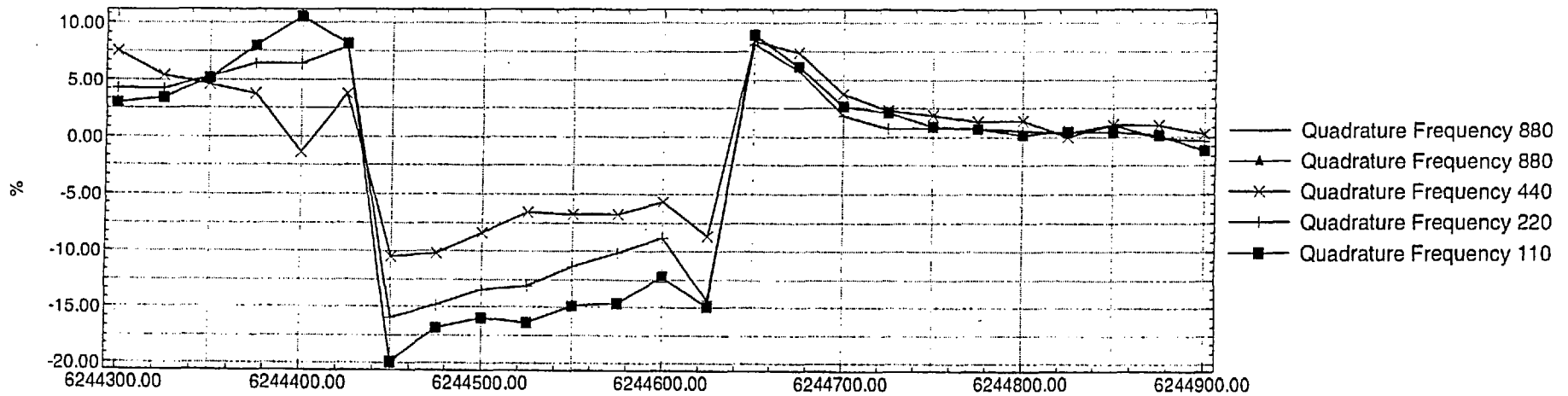
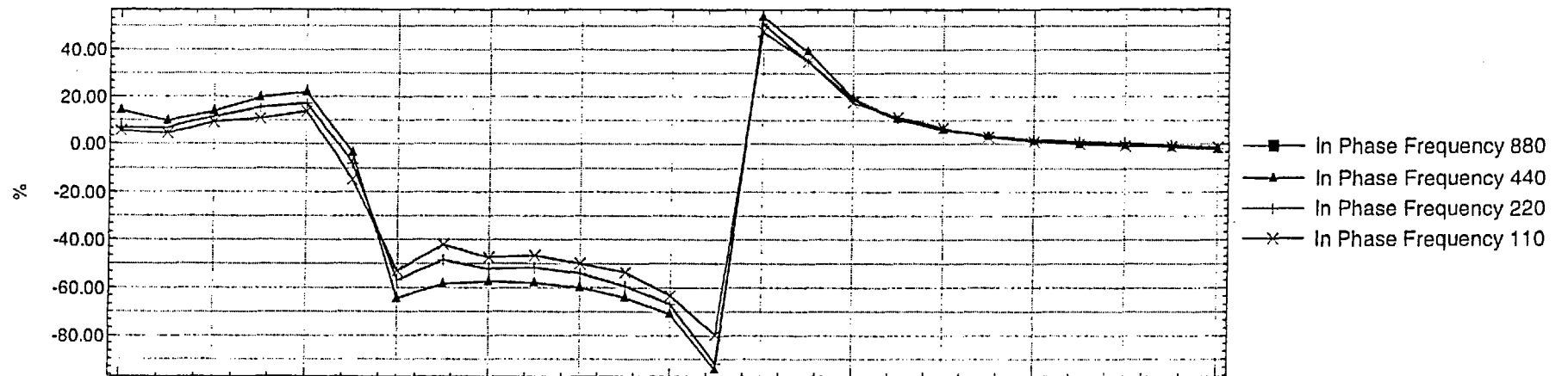
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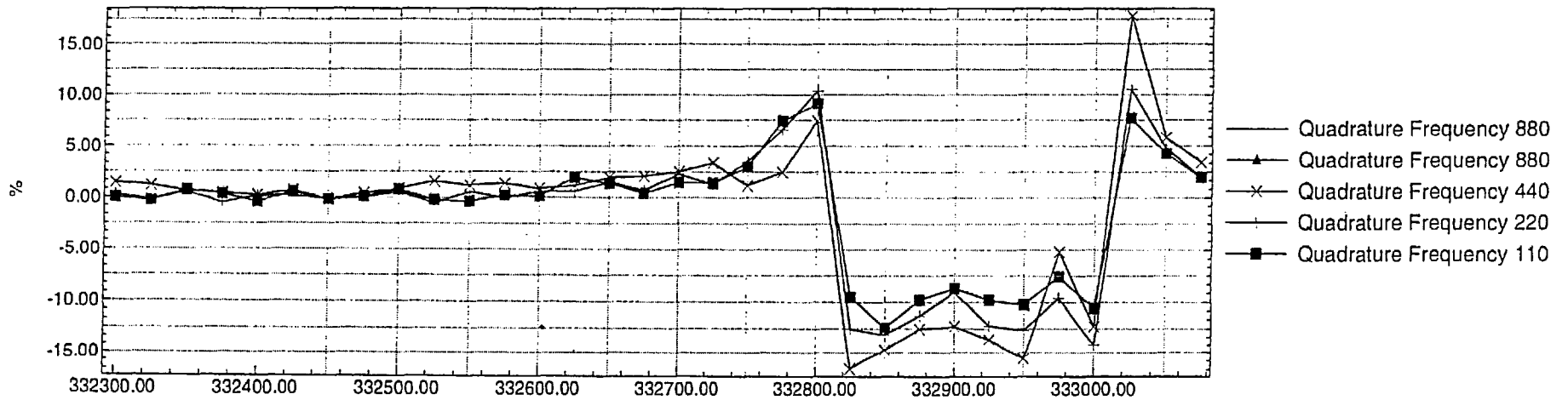
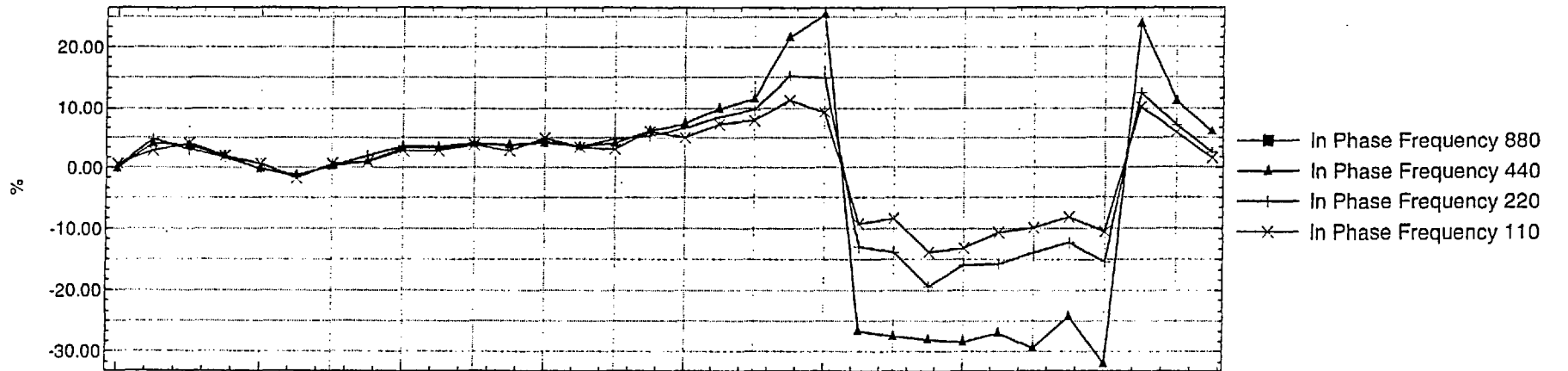
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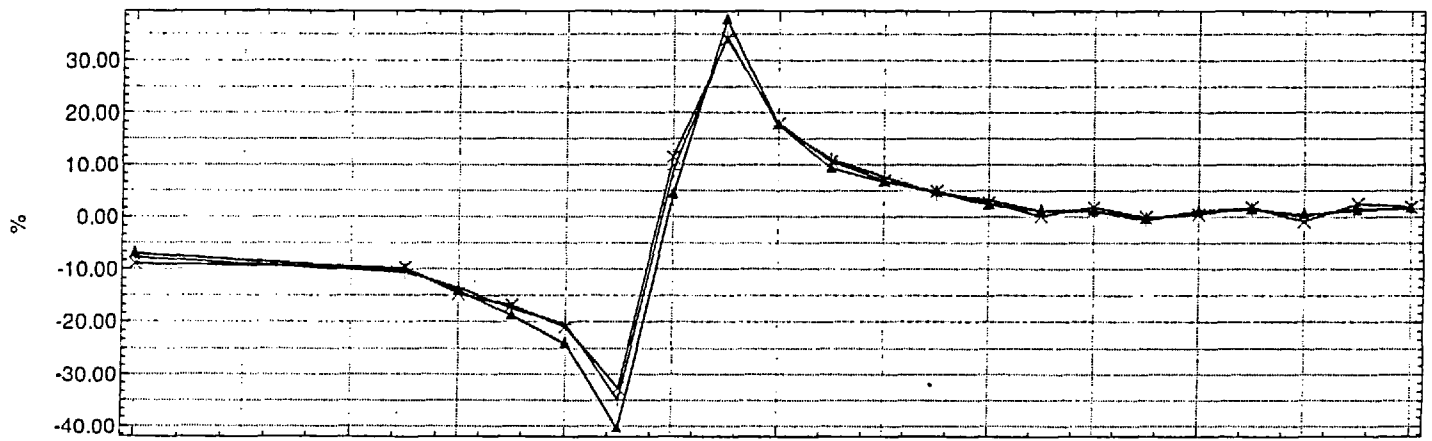
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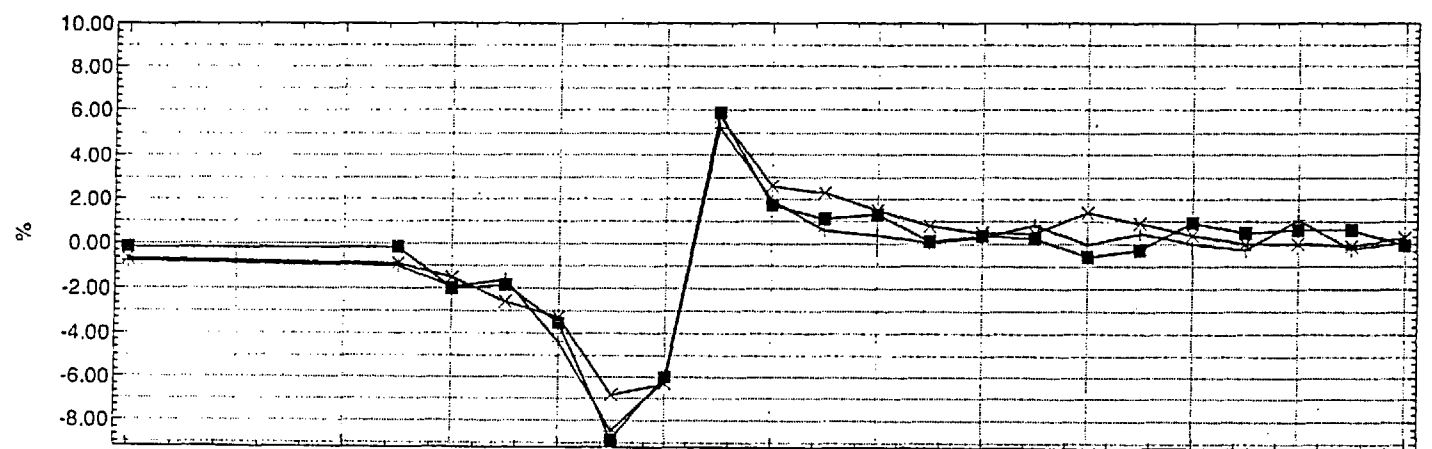
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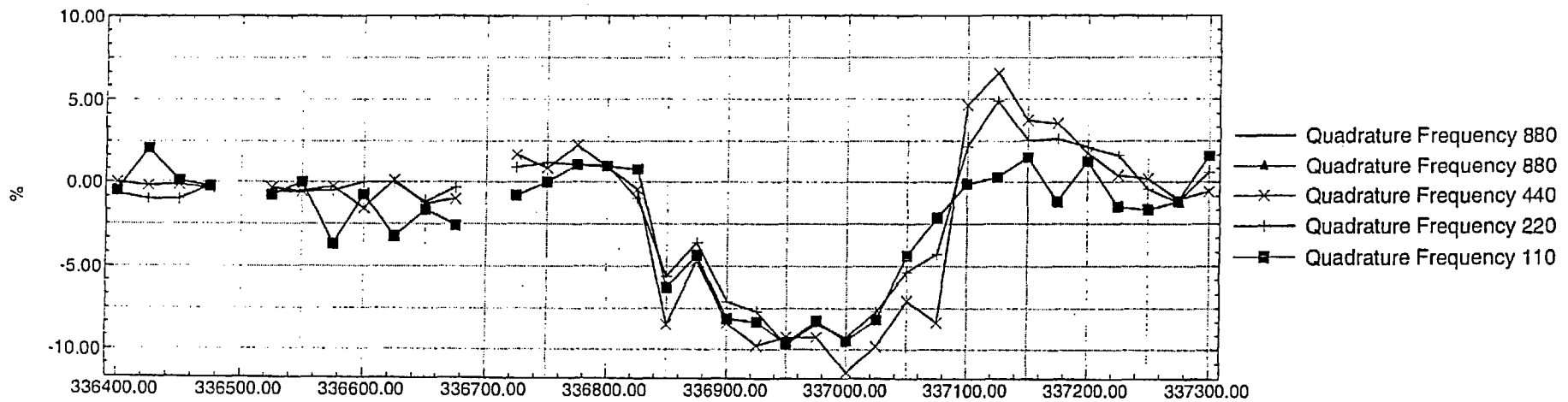
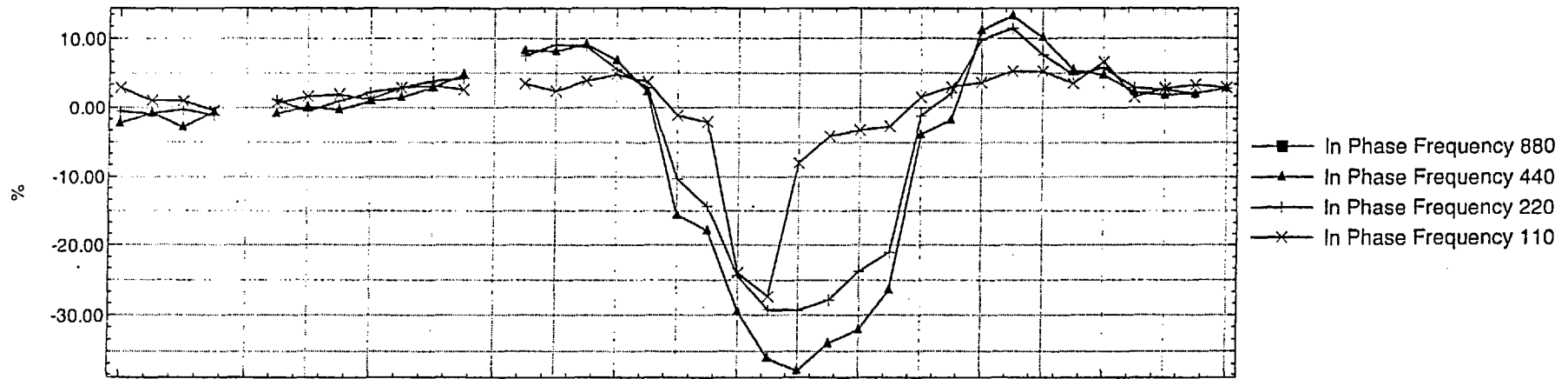


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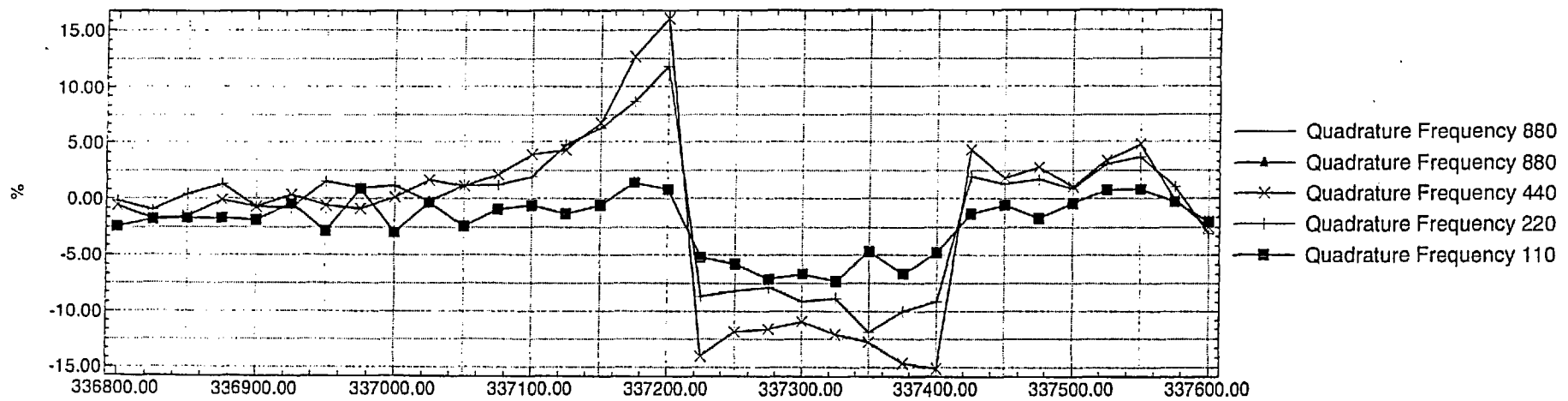
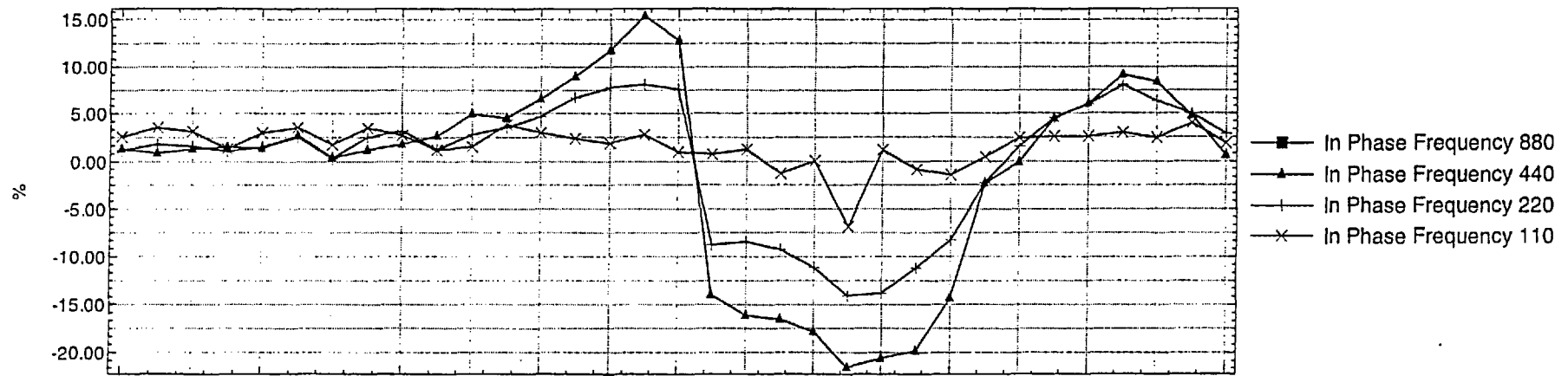


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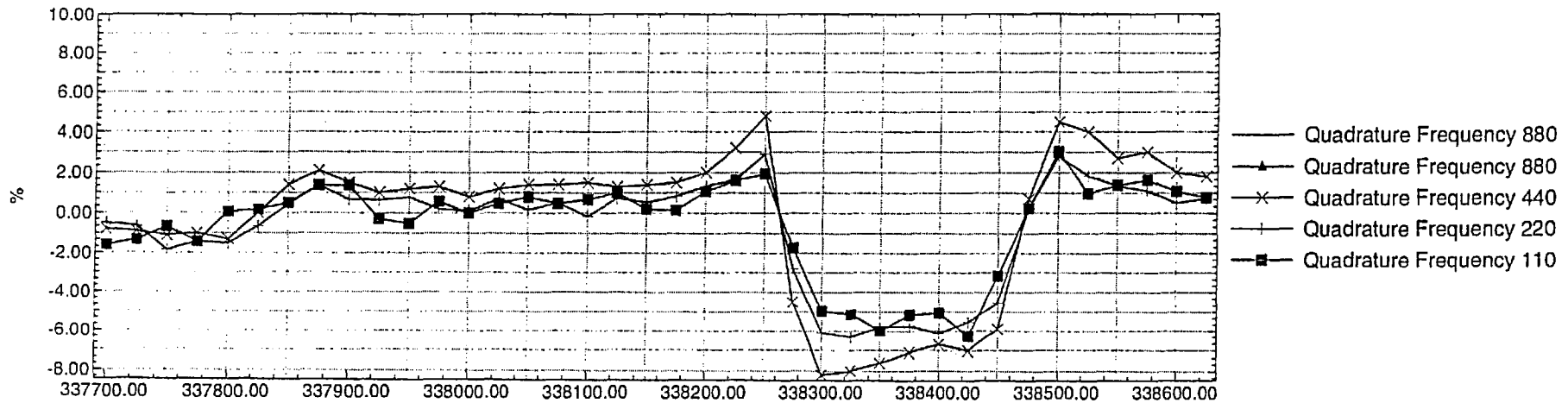
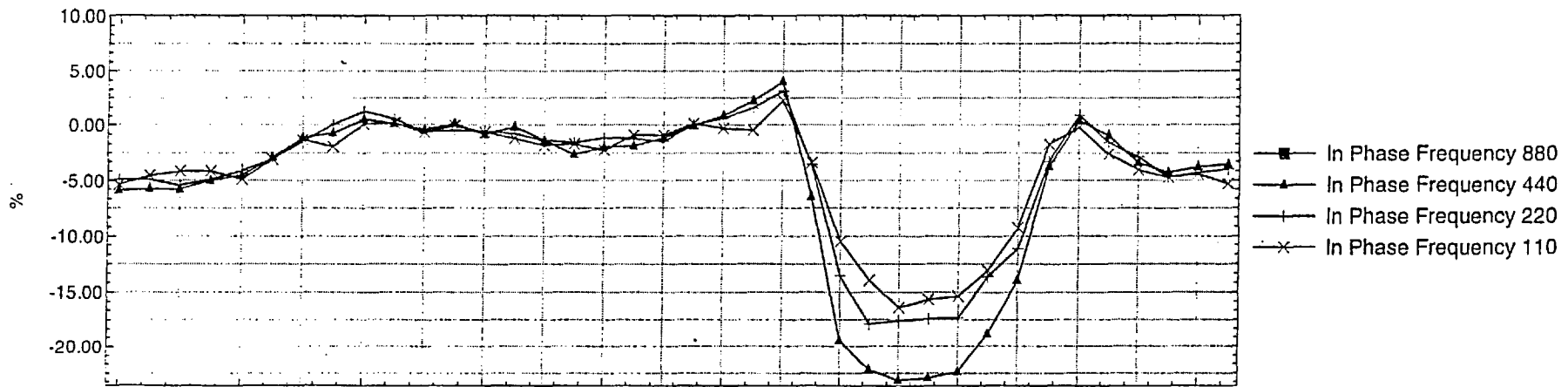
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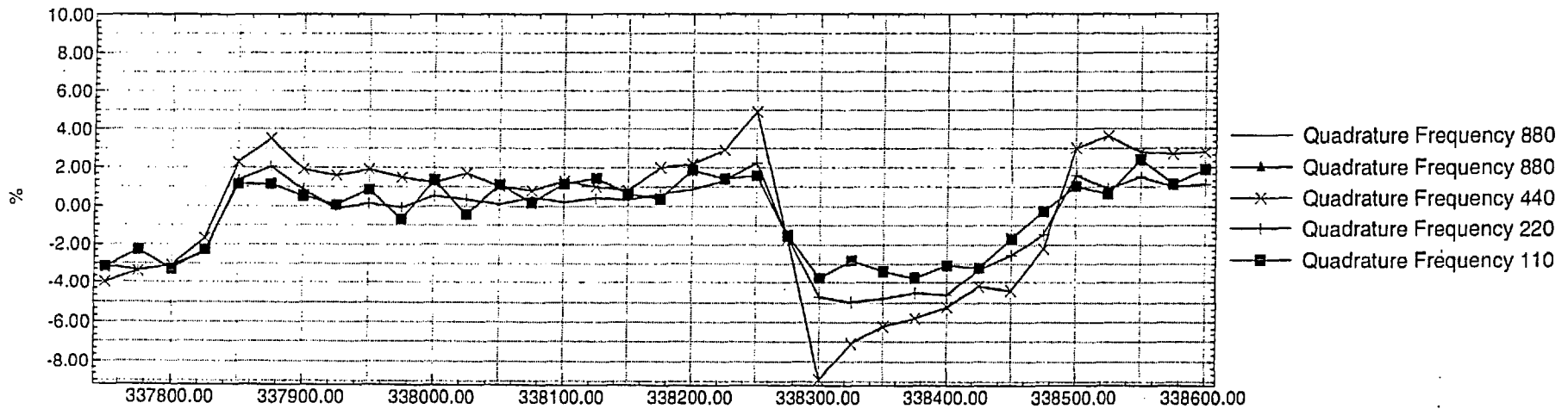
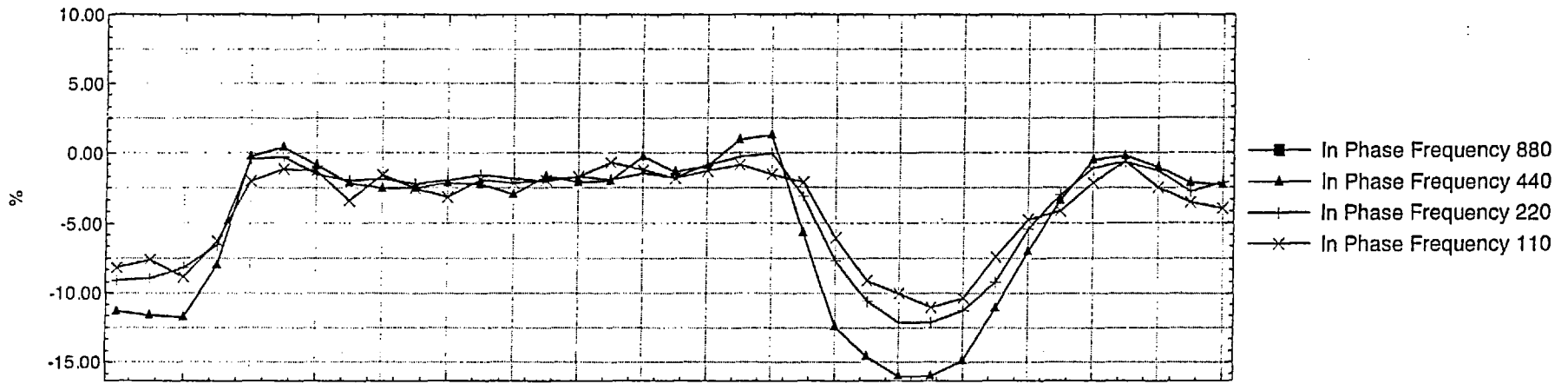
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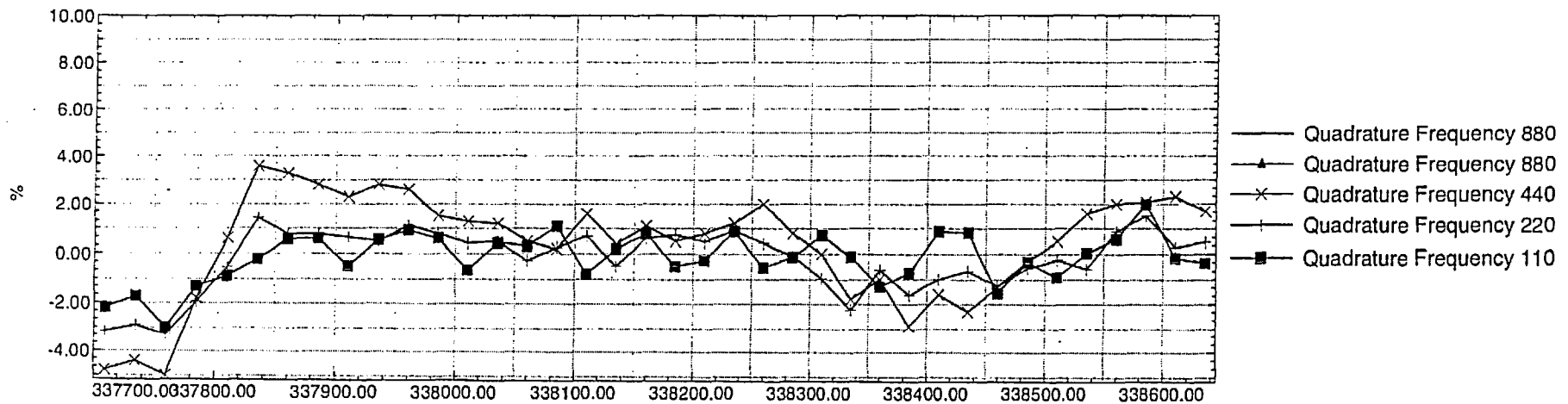
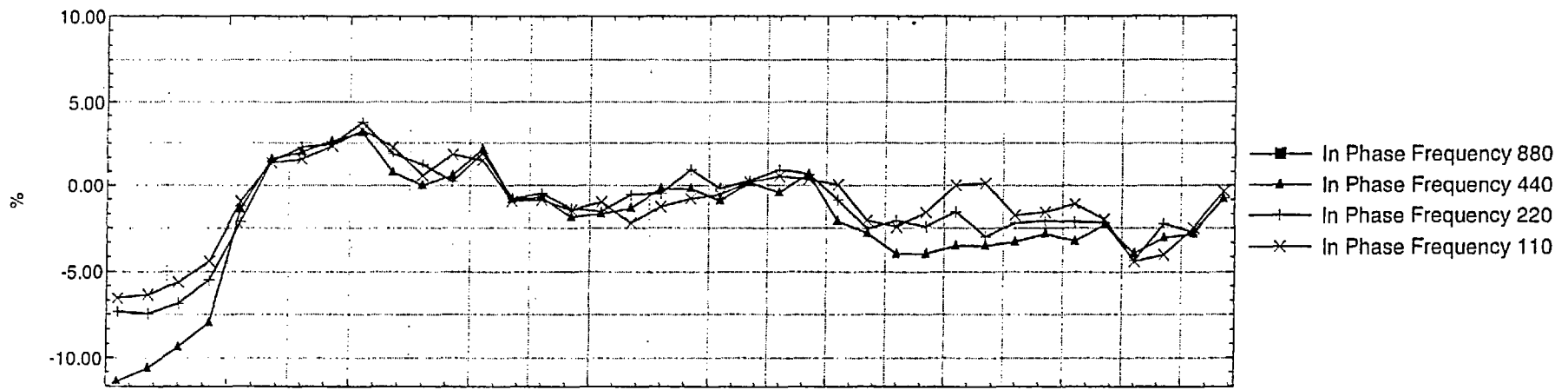
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Anomaly Q11_5 MaxMin Profile Line 6237000N



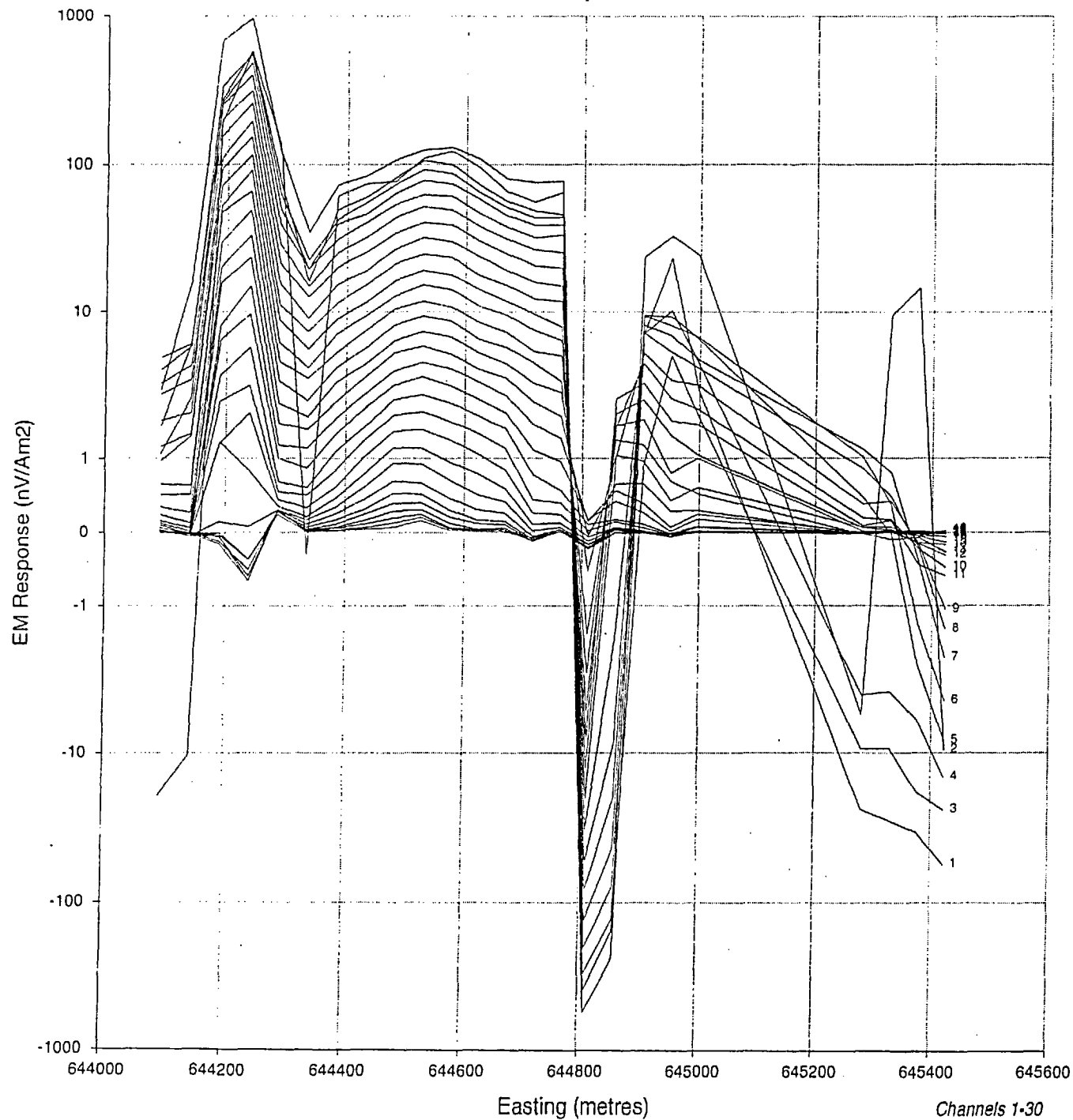
Anomaly Q11_5 MaxMin Profile Line 6327100N



Appendix 4e

Protem Survey Profile Plots

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 47-283 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 7.5
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

In-Loop EM Survey

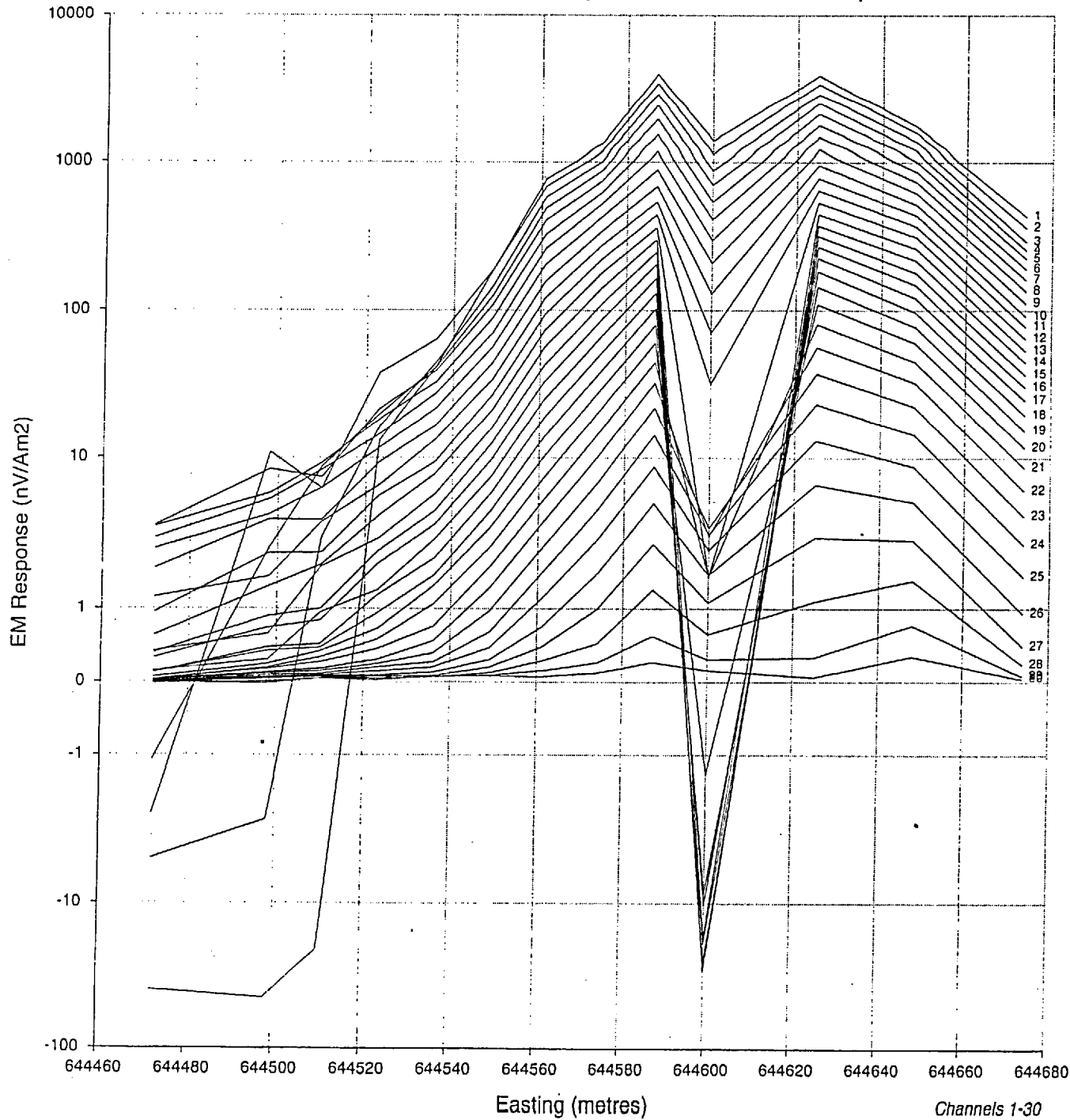
A11-1 Line 1

Drawn: L.McCall

Project: Quebec 7

Channels 1-30

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
Station Spacing : 12-26 m
Units : nV/Am²
Contractor : Discovery Geophysics

RECEIVER

Receiver : Protem
Frequency : 7.5
Component : Z
Rx Coil : EM57
Rx Area : 10000 turn-m

TRANSMITTER

Transmitter :
Tx Area : 10000 m²
Tx Loop Side : 100 m
Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

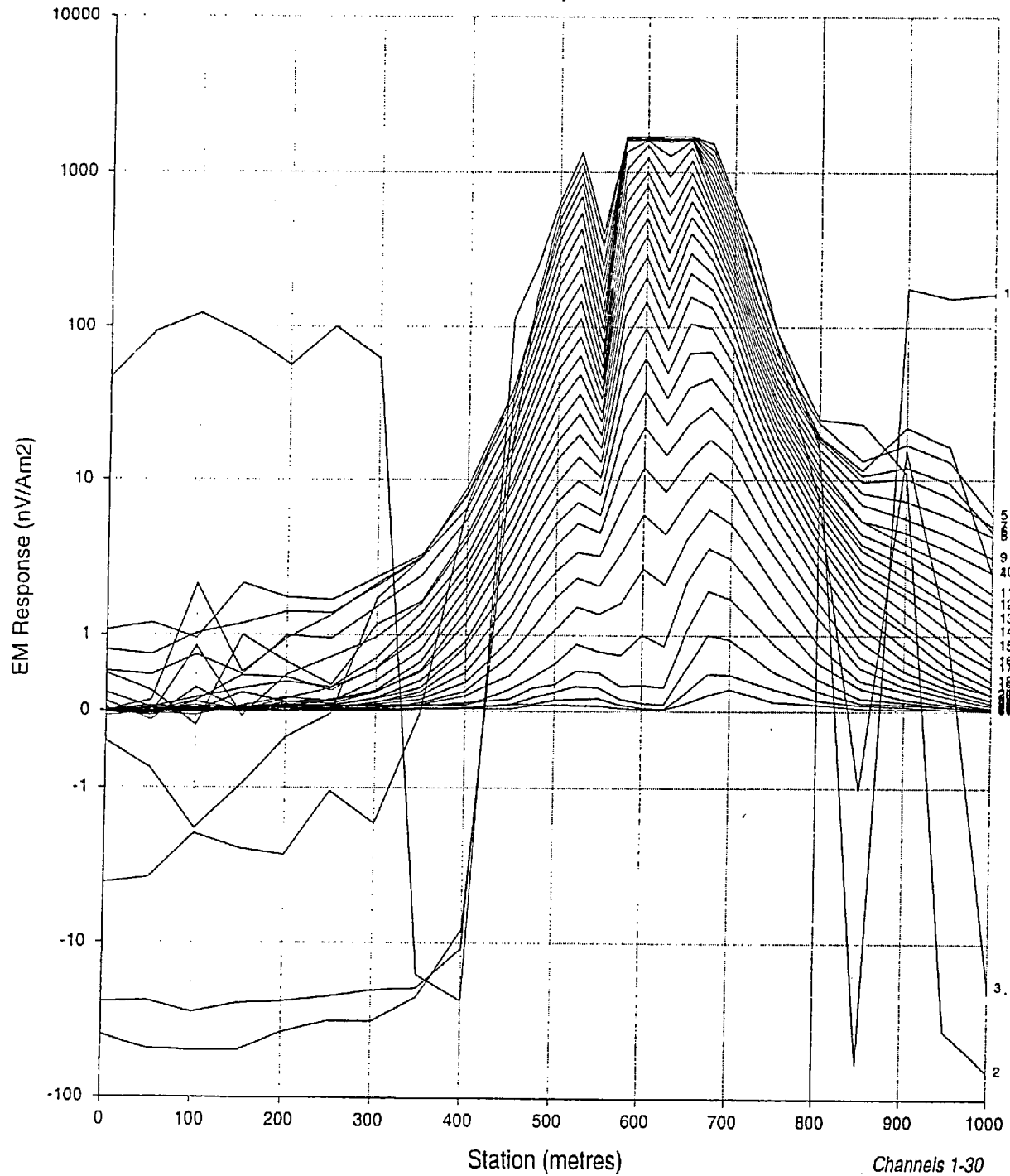
In-Loop EM Survey

A11-1 Line 2.00

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 7.5
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter :
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

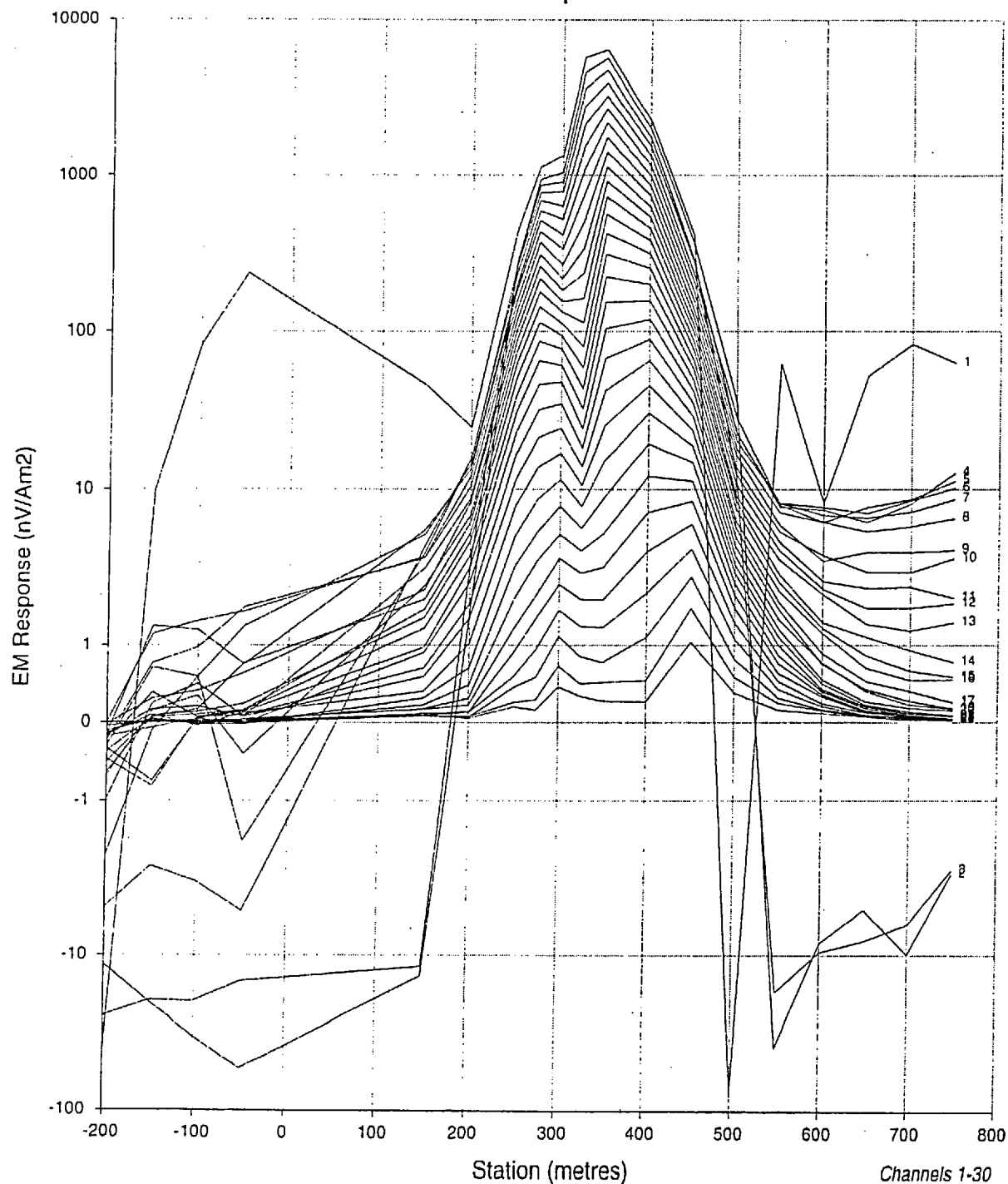
In-Loop EM Survey

A1-2 Line 0

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 25-200 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 7.5
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter :
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

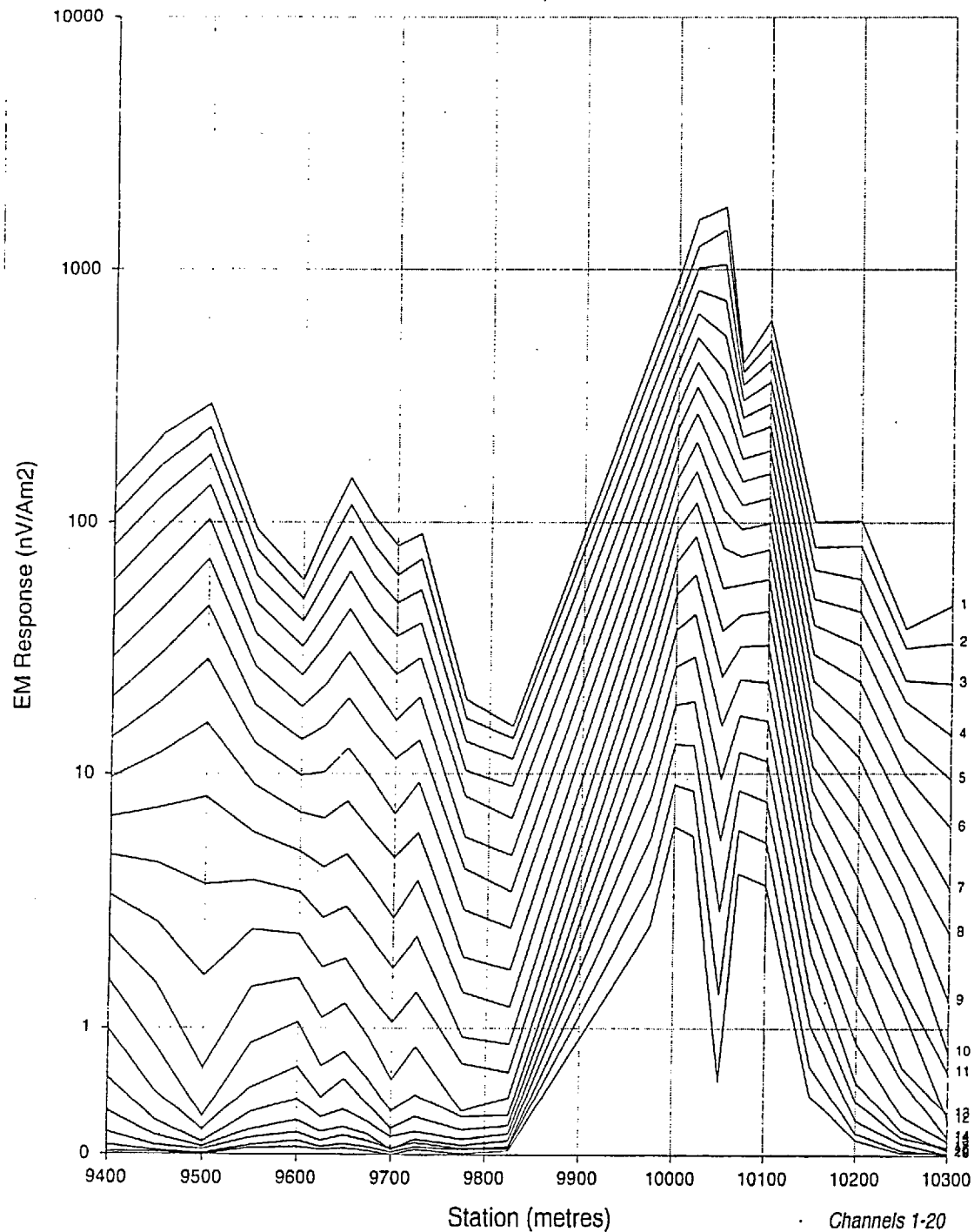
In-Loop EM Survey

A1-2 Line 700

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 20-150 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Protem
 Frequency : 30
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

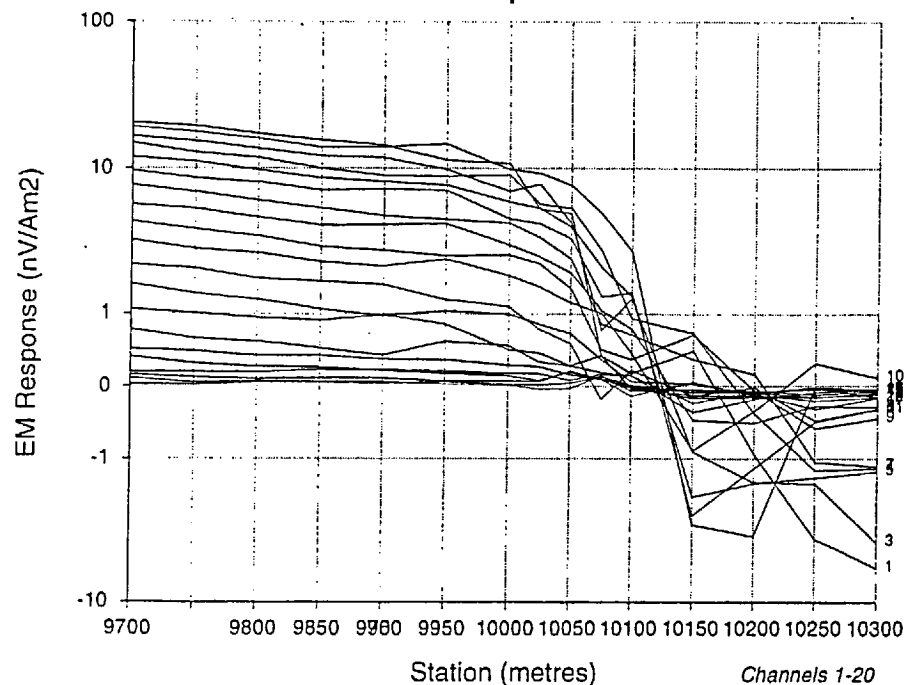
In-Loop EM Survey

A8-1 Line 10400

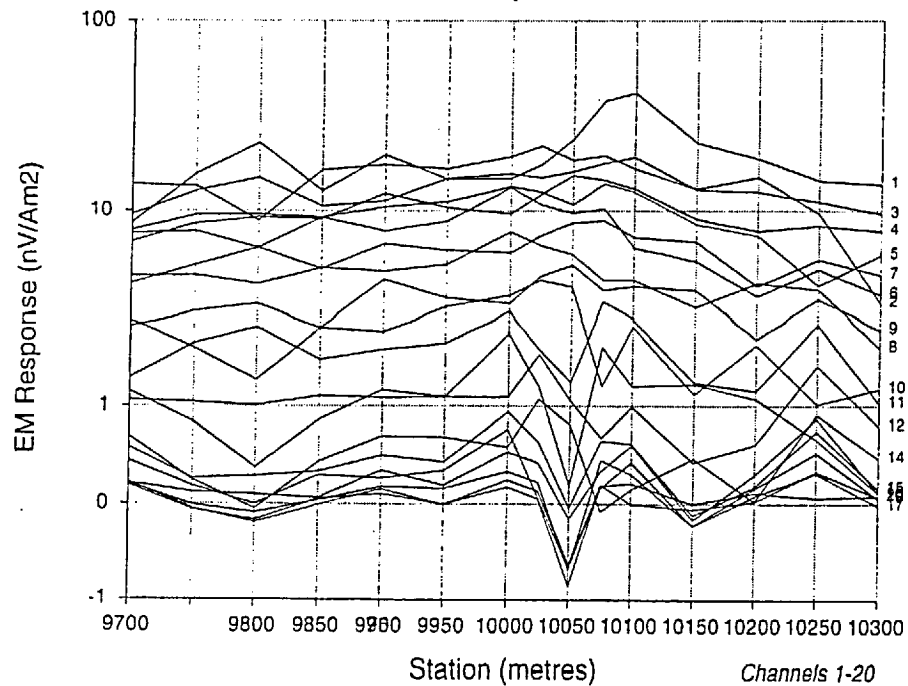
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

WMC International Ltd

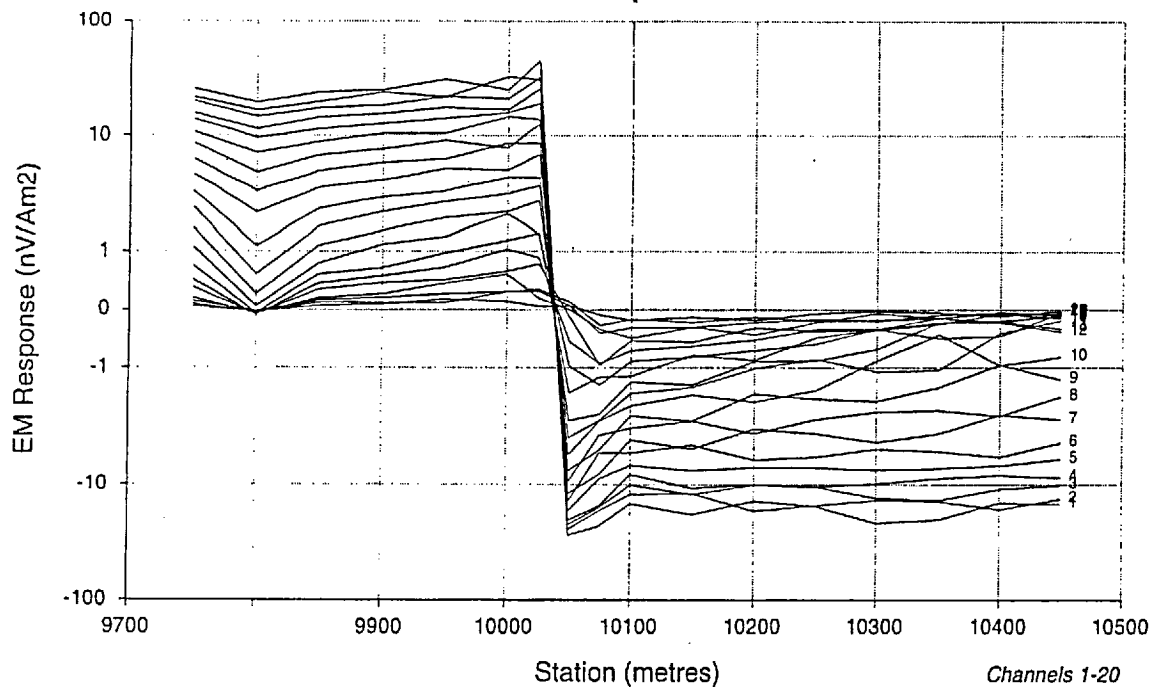
Quebec 7 Prospect
Fixed Loop EM Survey

A8-1 Line 10000

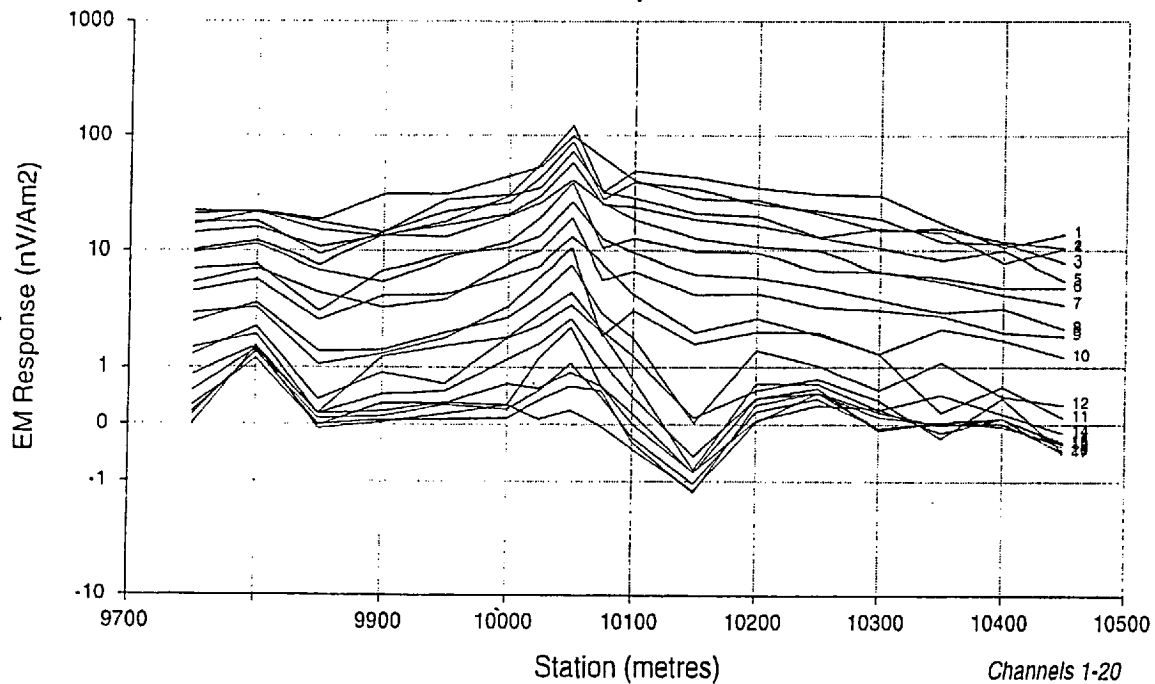
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

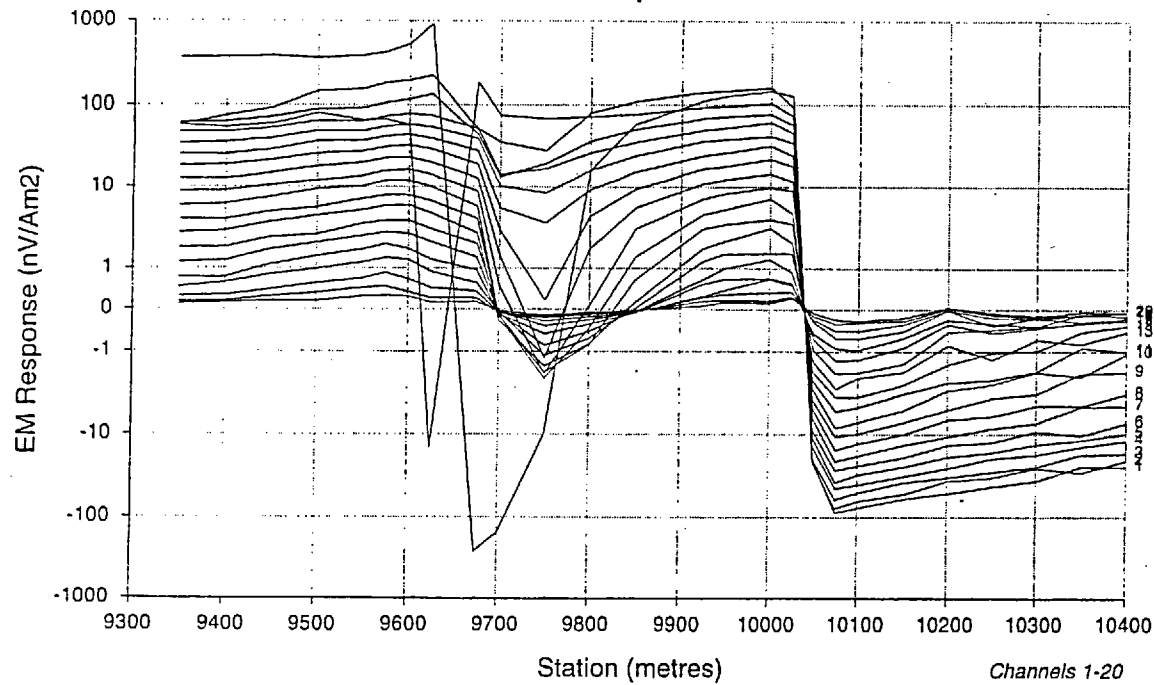
WMC International Ltd

Quebec 7 Prospect
Fixed Loop EM Survey
A8-1 Line 10200

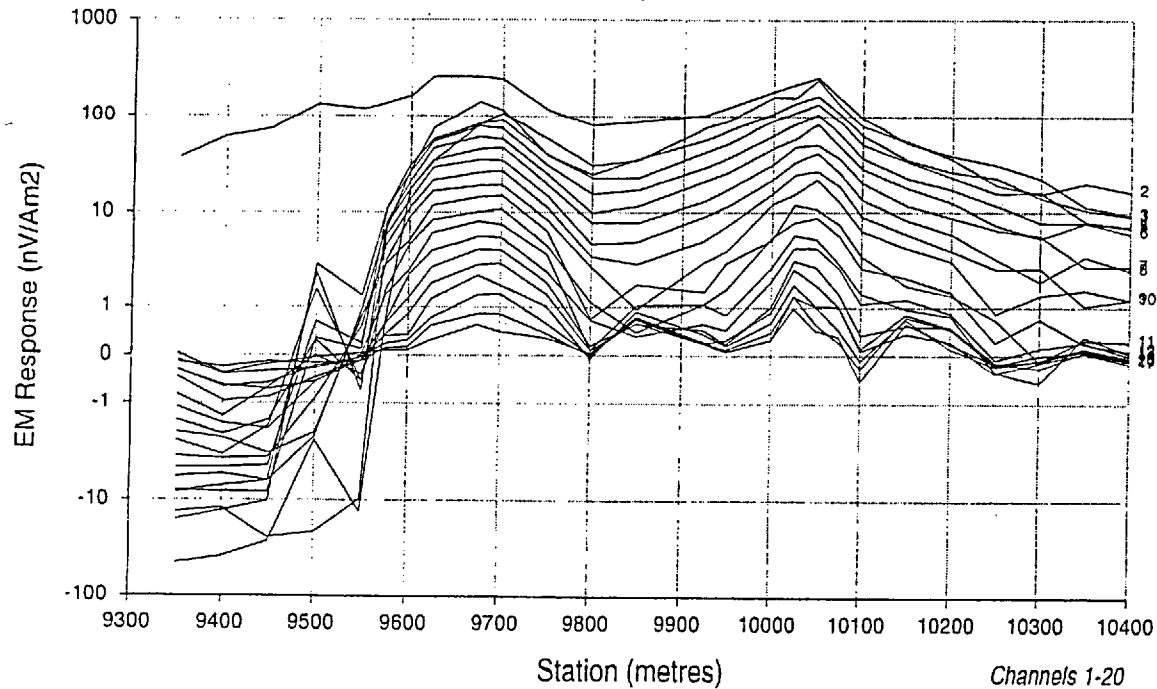
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
Station Spacing : 25-75 m
Units : nV/Am²
Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
Frequency : 30
Component : Z,X
Rx Coil : RVR
Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
Tx Area : 912500 m²
Tx Loop Side : 1000 m
Tx Current : 7 A

WMC International Ltd

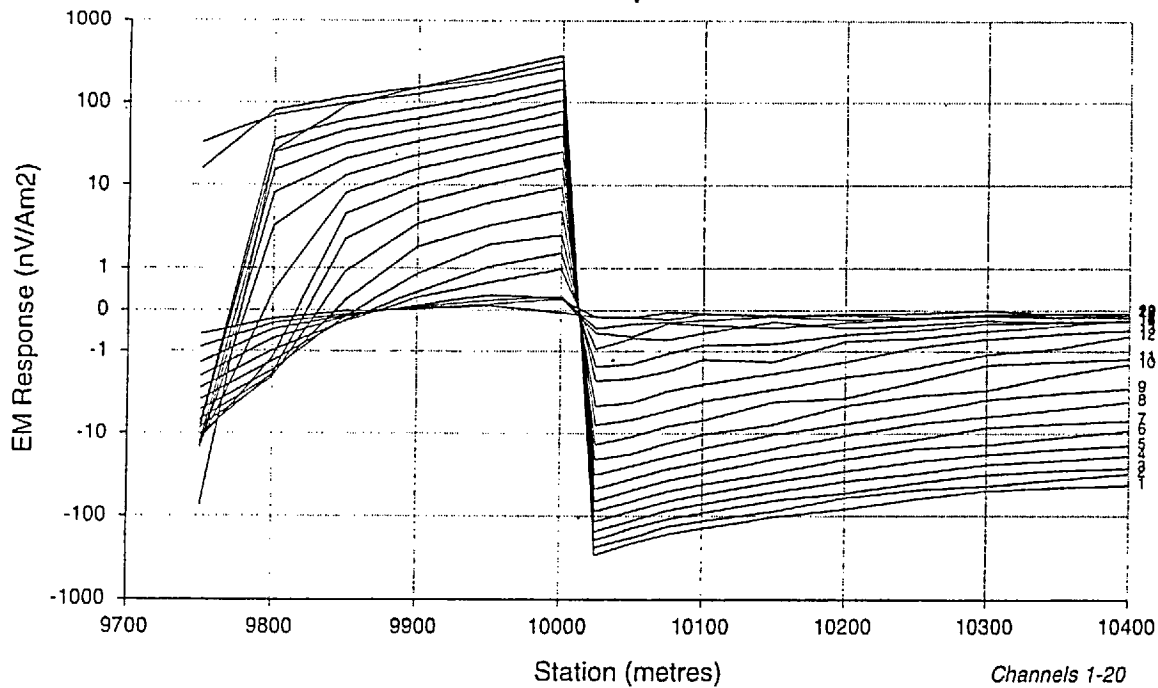
Quebec 7 Prospect
Fixed Loop EM Survey

A8-1 Line 10400

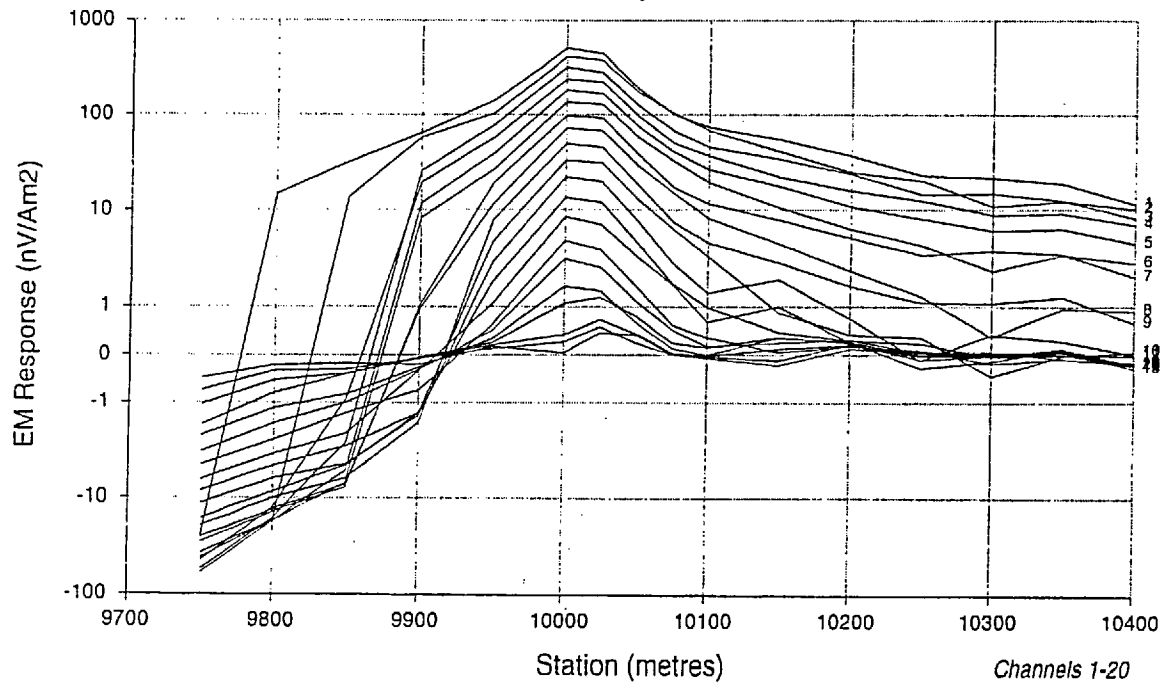
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am2
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z,X
 Rx Coll : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

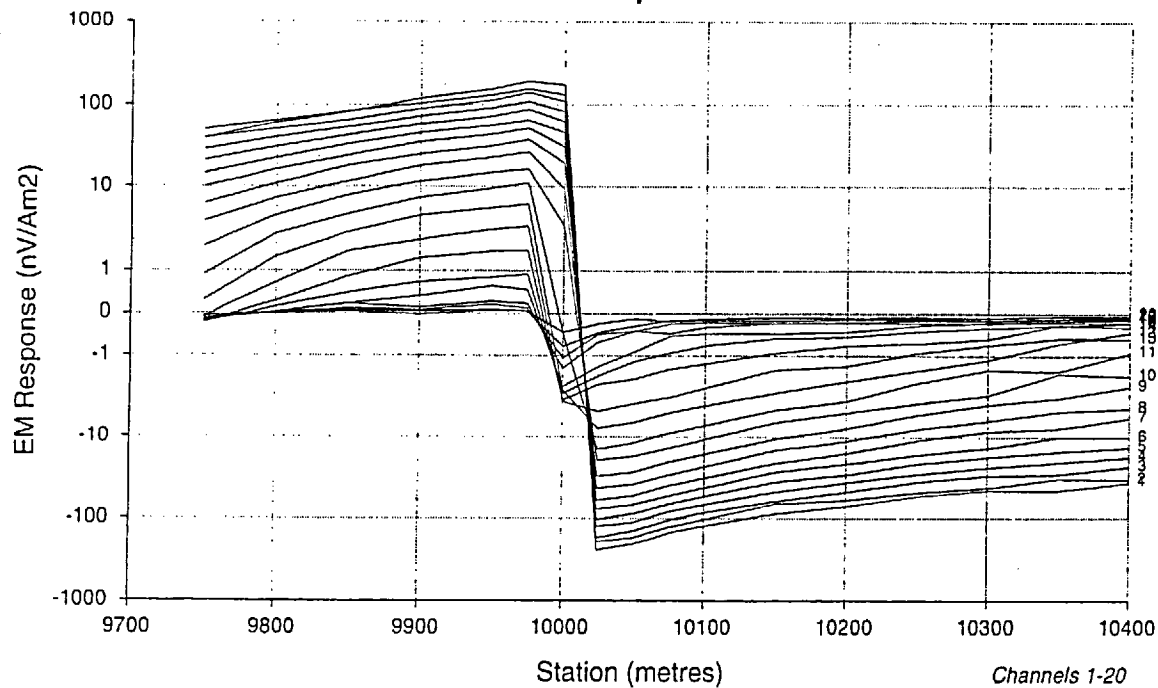
WMC International Ltd

Quebec 7 Prospect
Fixed Loop EM Survey
A8-1 Line 10600

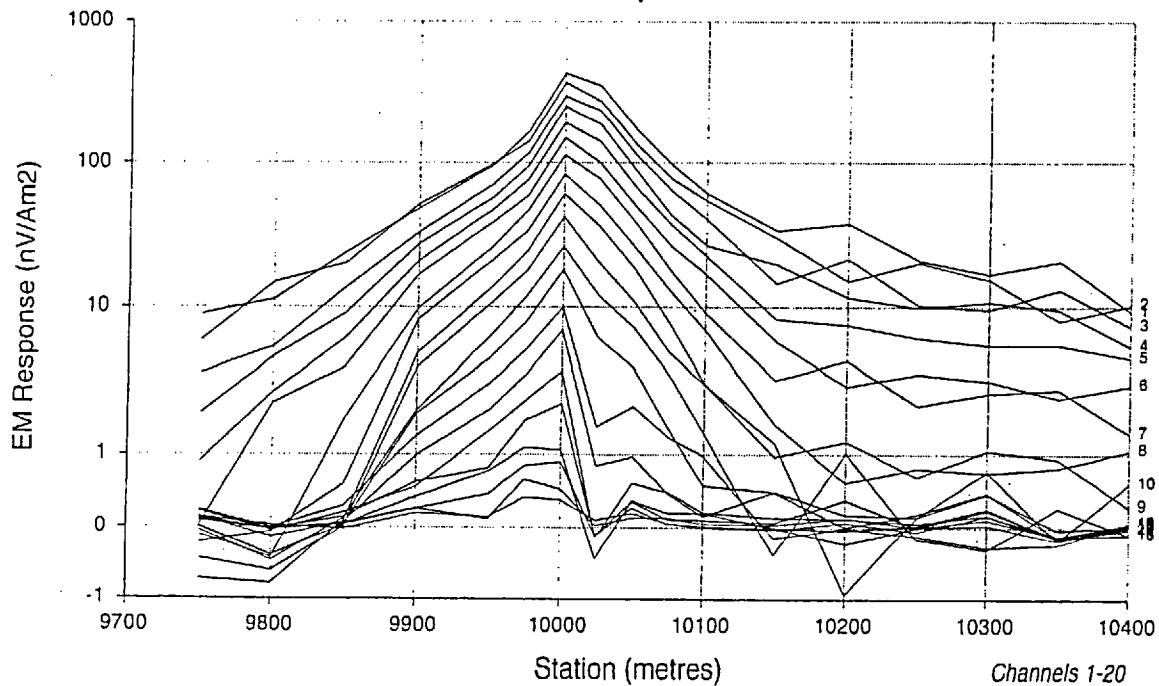
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

WMC International Ltd

Quebec 7 Prospect

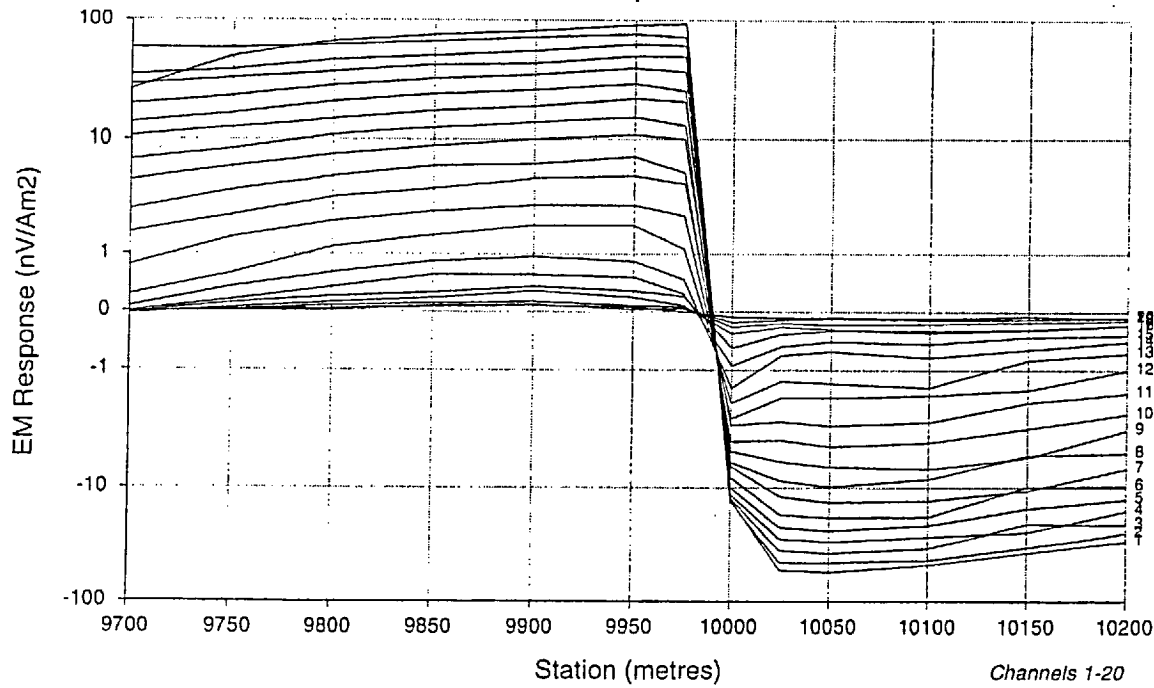
Fixed Loop EM Survey

A8-1 Line 10800

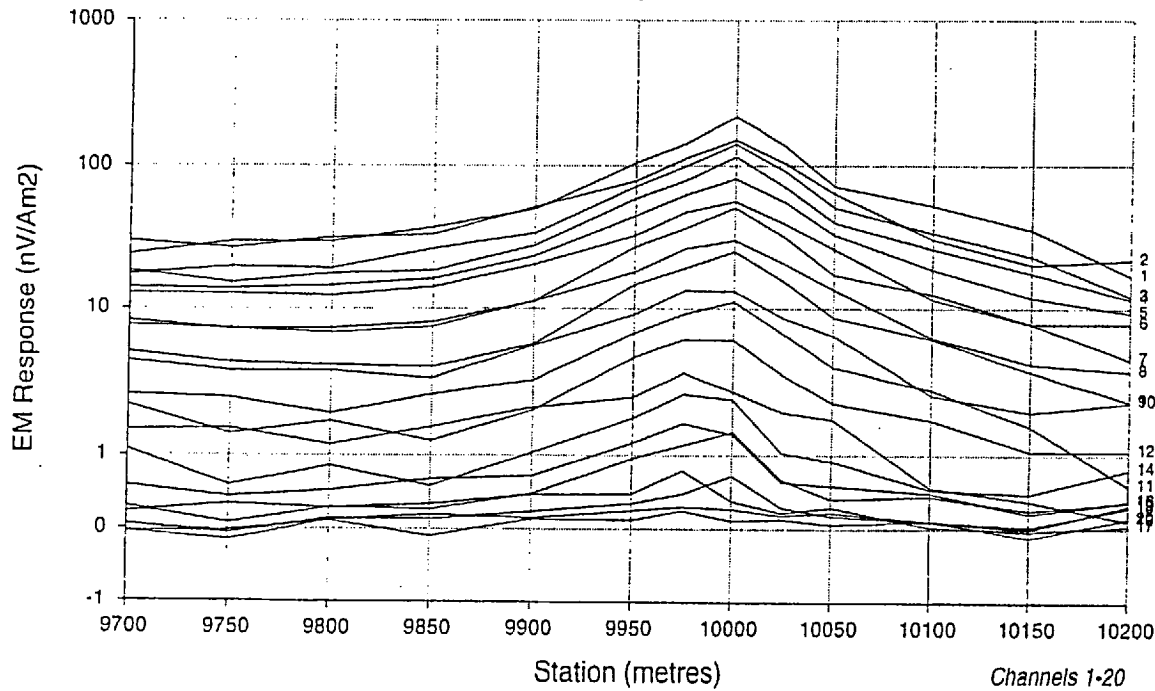
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

WMC International Ltd

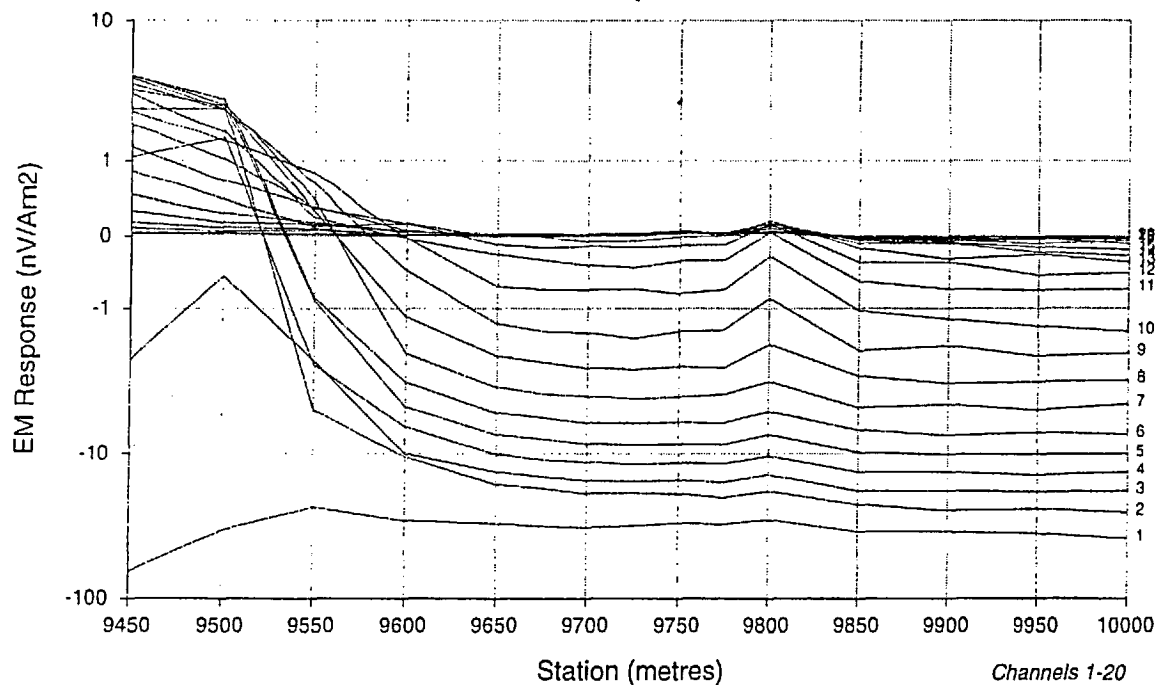
Quebec 7 Prospect
Fixed Loop EM Survey

A8-1 Line 11000

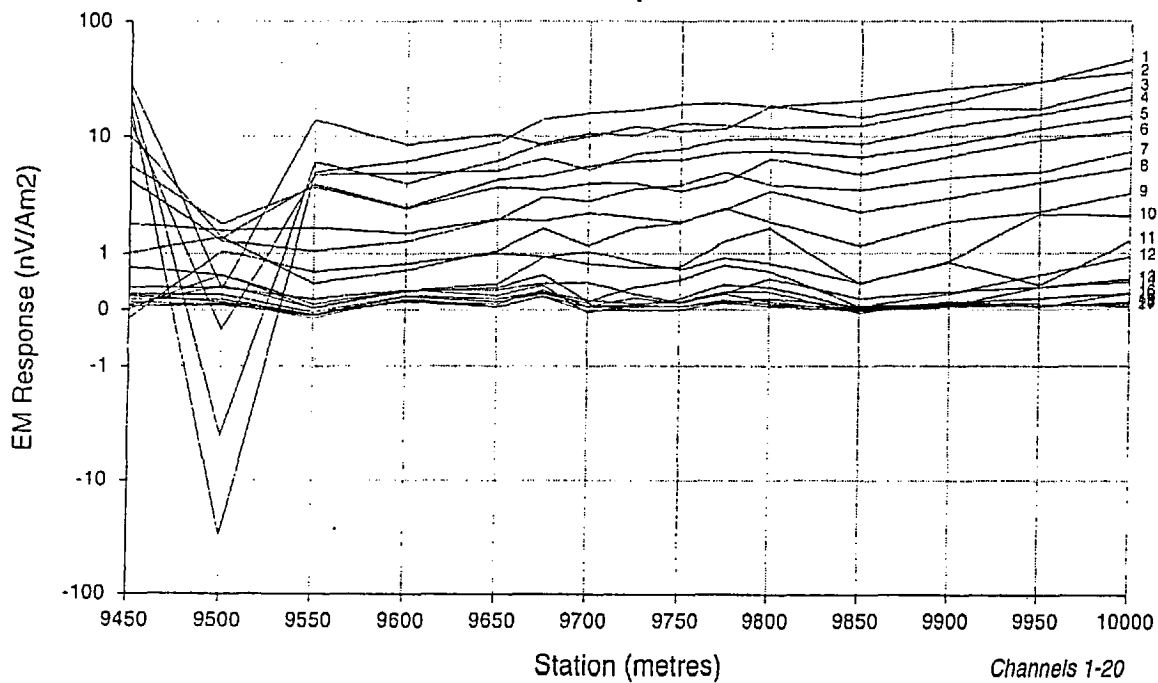
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am2
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Loop : Loop 2
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

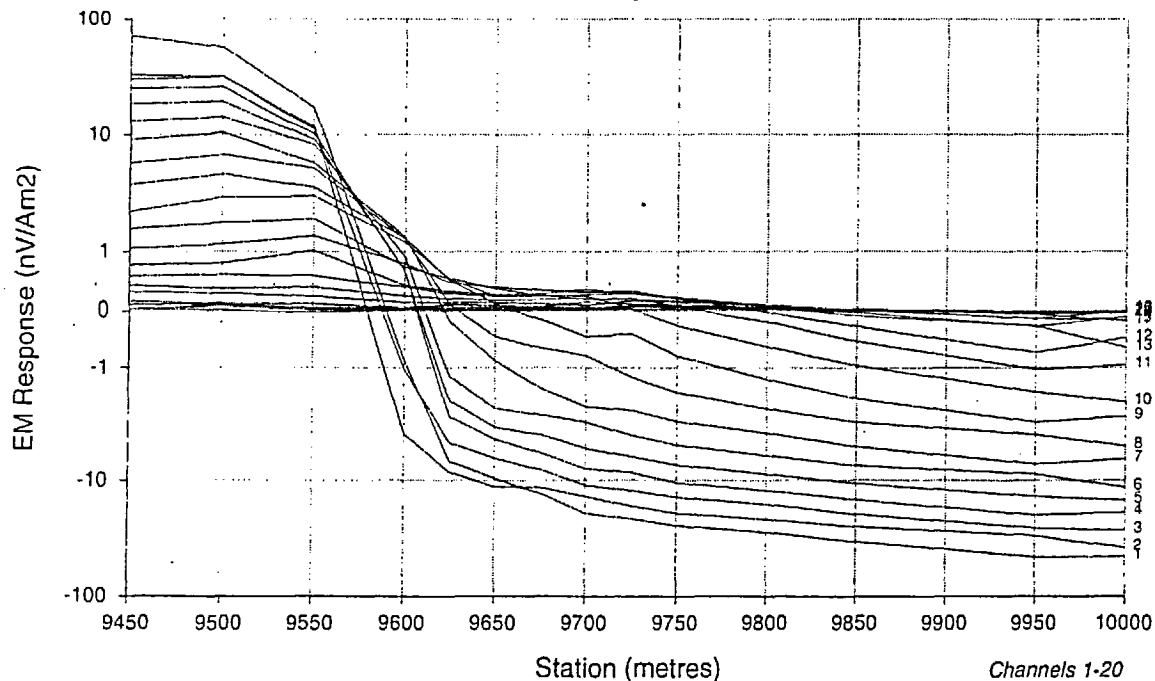
WMC International Ltd

Quebec 7 Prospect
Fixed Loop EM Survey
A8-1 Line 10200

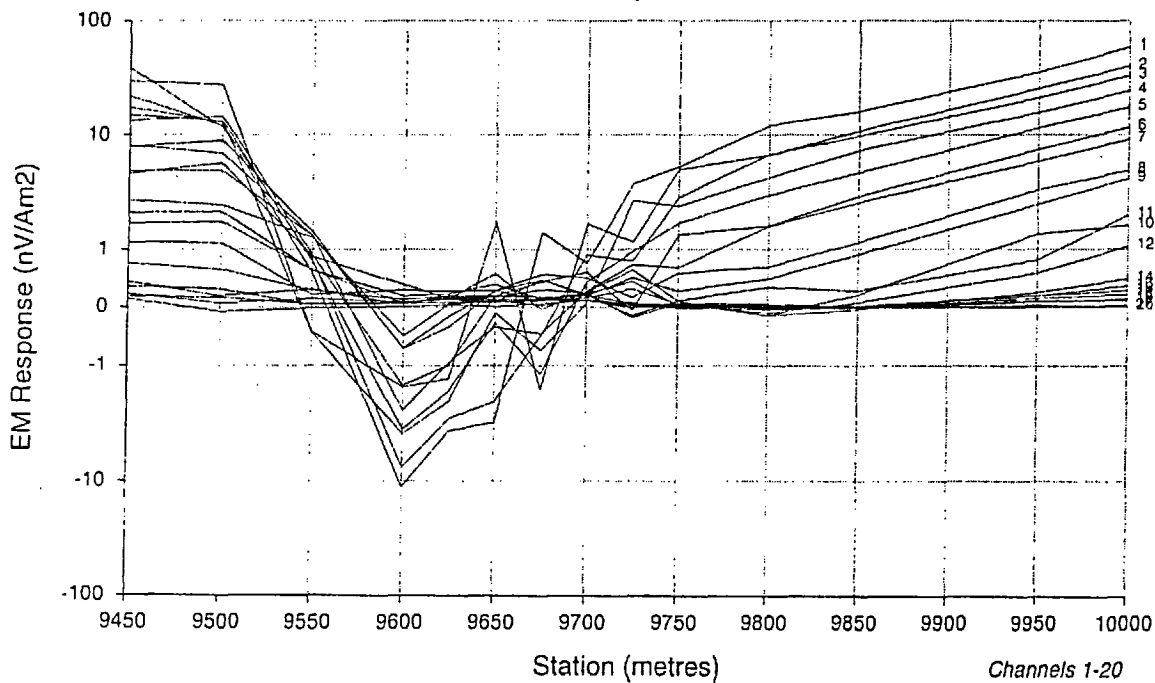
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-100 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Loop : Loop 2
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

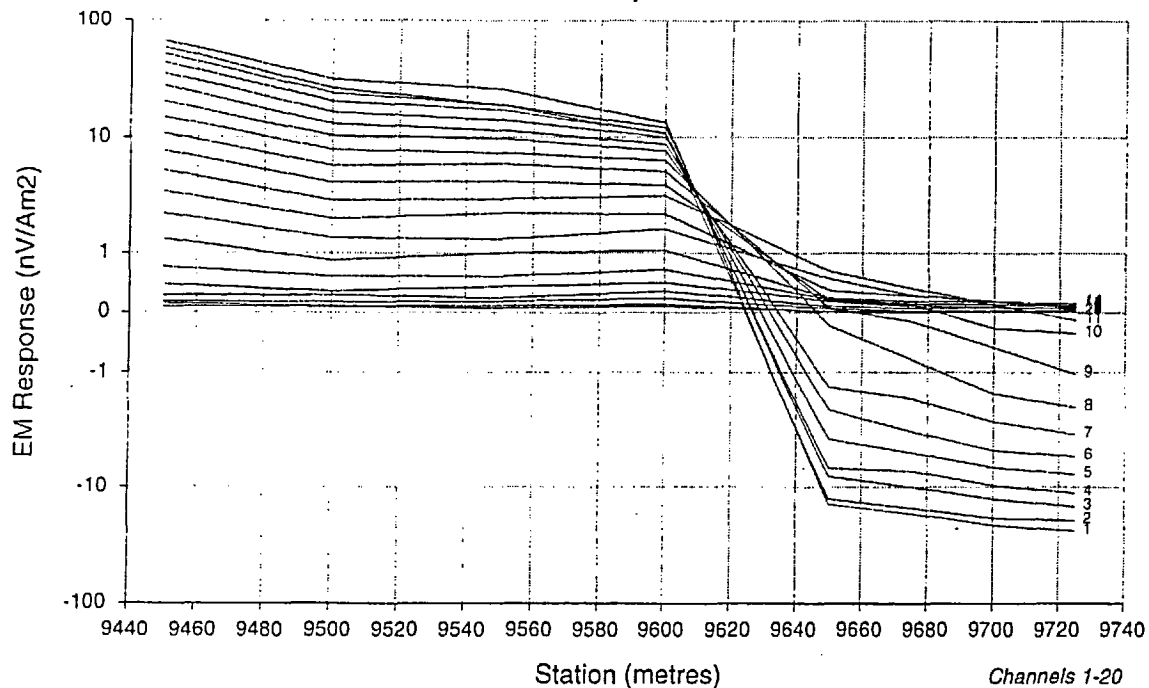
WMC International Ltd

Quebec 7 Prospect
Fixed Loop EM Survey
A8-1 Line 10400

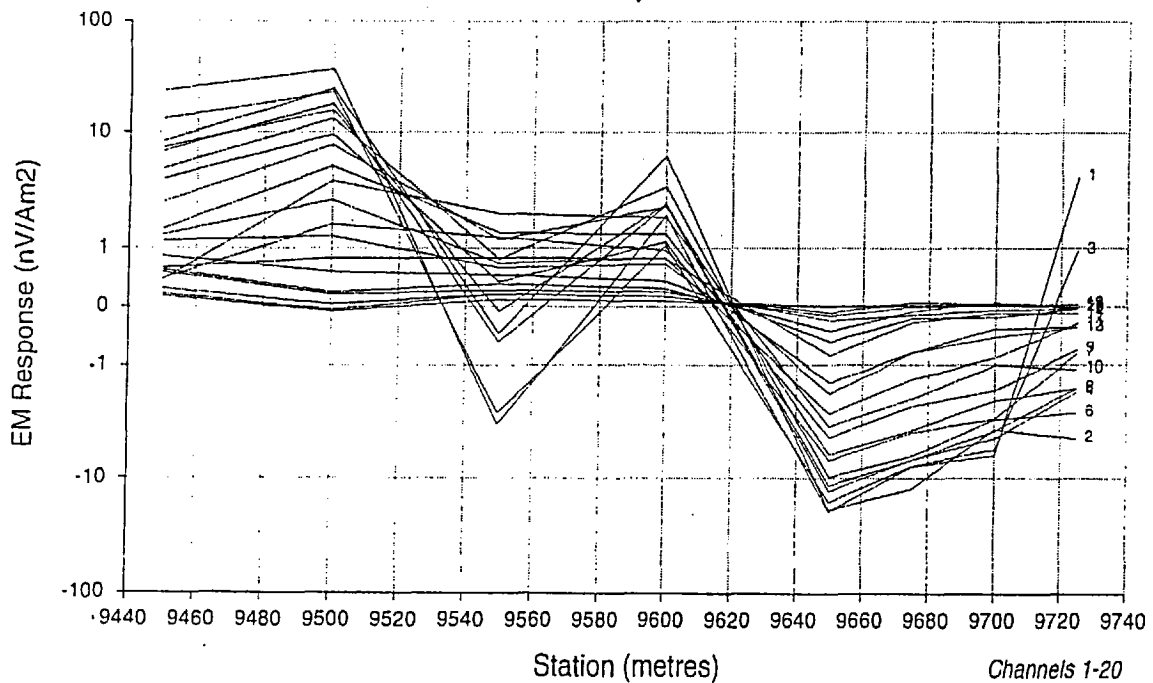
Drawn: L.McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Loop : Loop 2
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

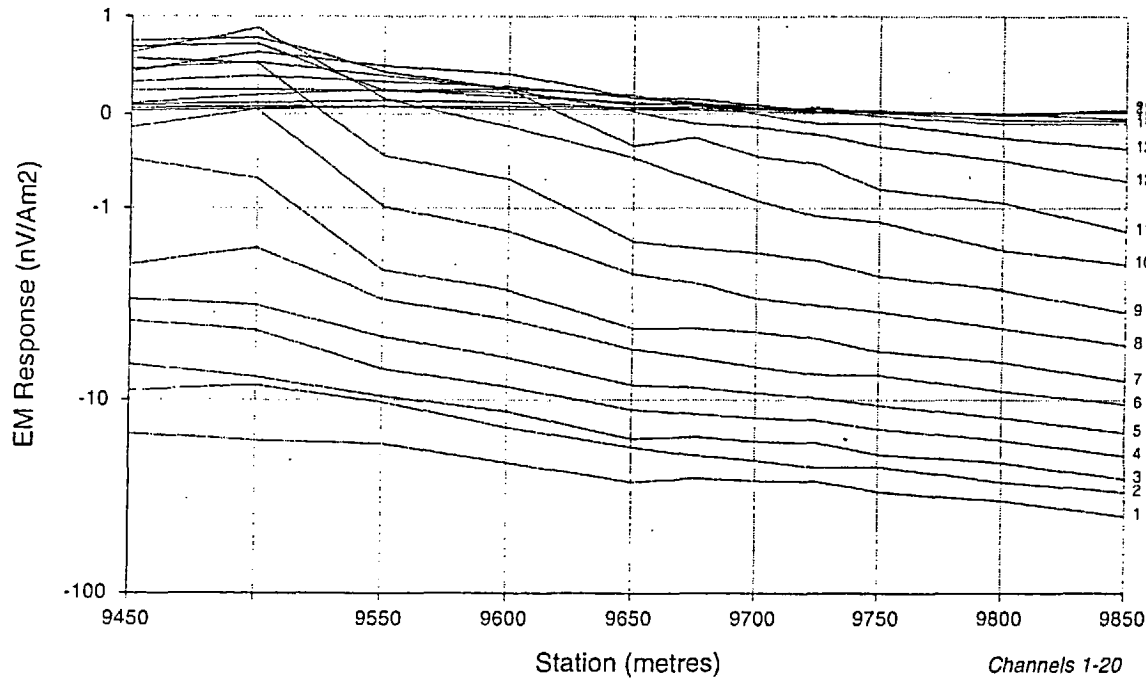
WMC International Ltd

Quebec 7 Prospect
Fixed Loop EM Survey
A8-1 Line 10600

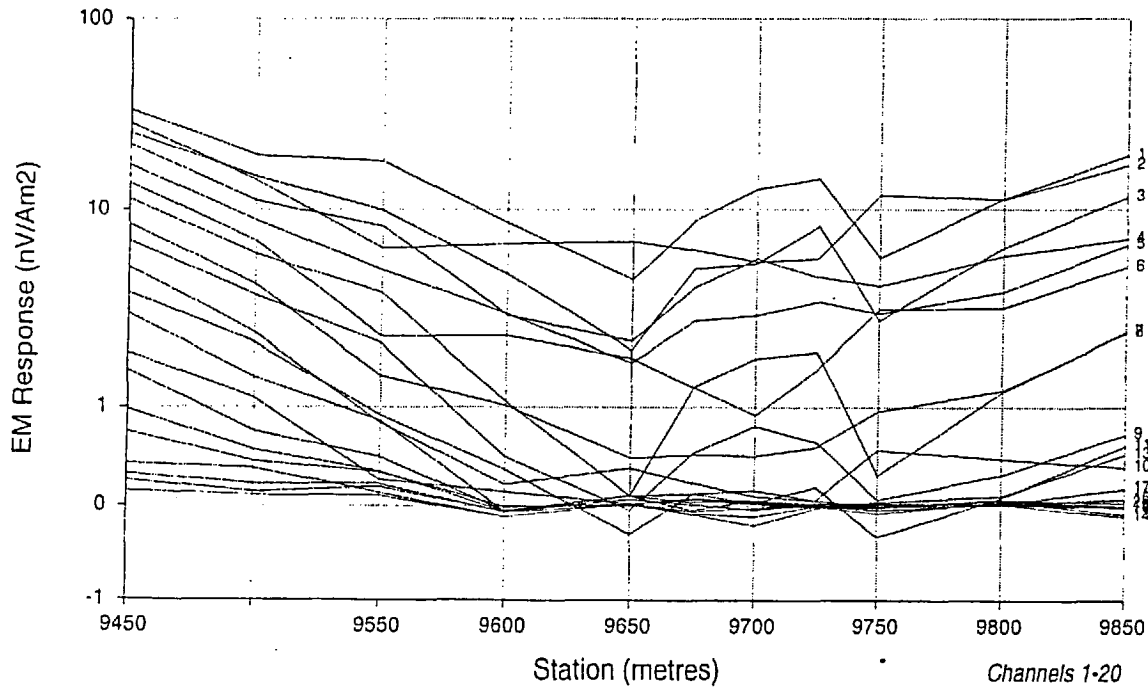
Drawn: L. McCall

Project: Quebec 7

Z Component



X Component



SURVEY PARAMETERS

Configuration : Fixed Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Protem
 Frequency : 30
 Component : Z,X
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Loop : Loop 2
 Tx Area : 912500 m²
 Tx Loop Side : 1000 m
 Tx Current : 7 A

WMC International Ltd

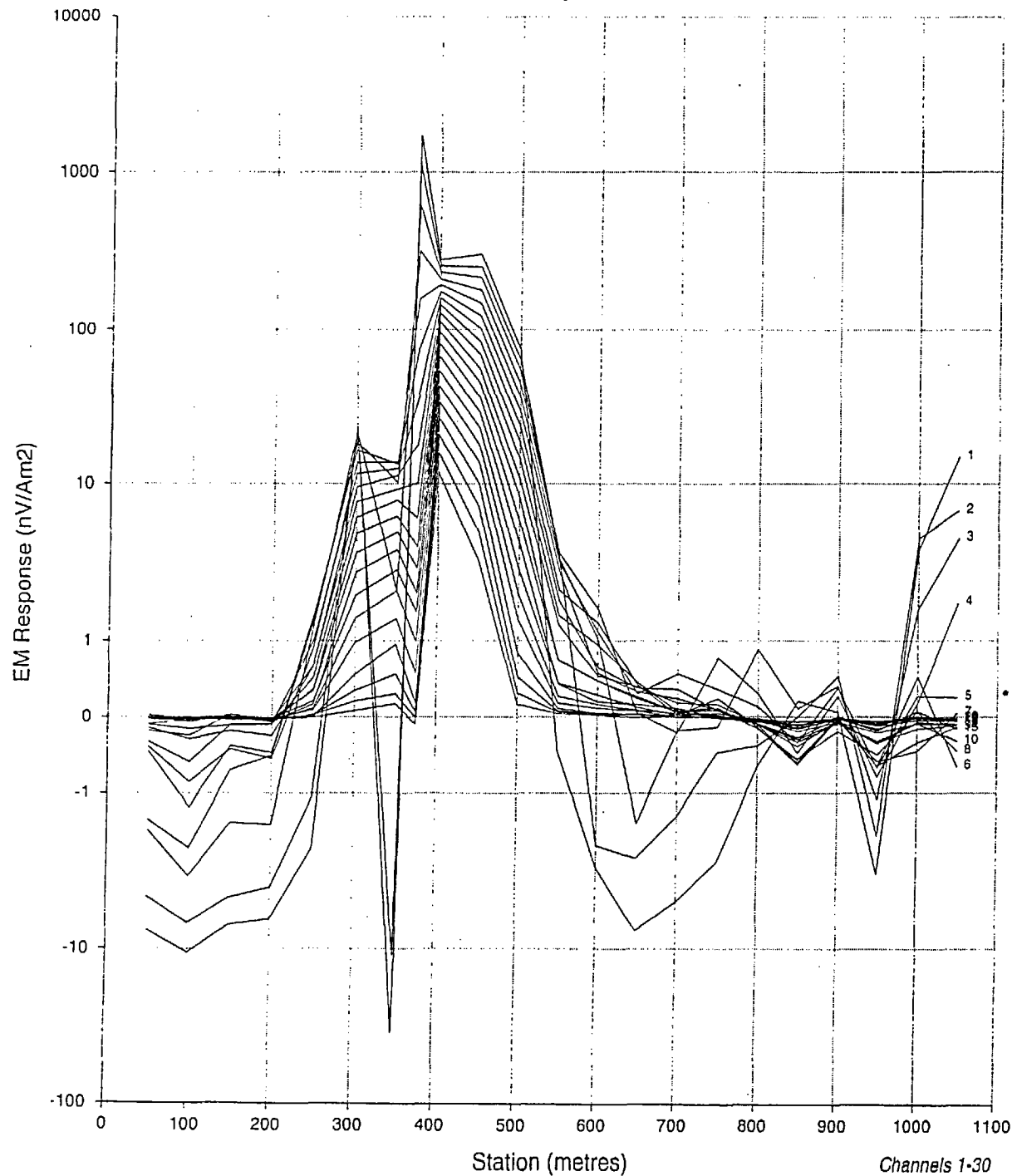
Quebec 7 Prospect
Fixed Loop EM Survey

A8-1 Line 10800

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

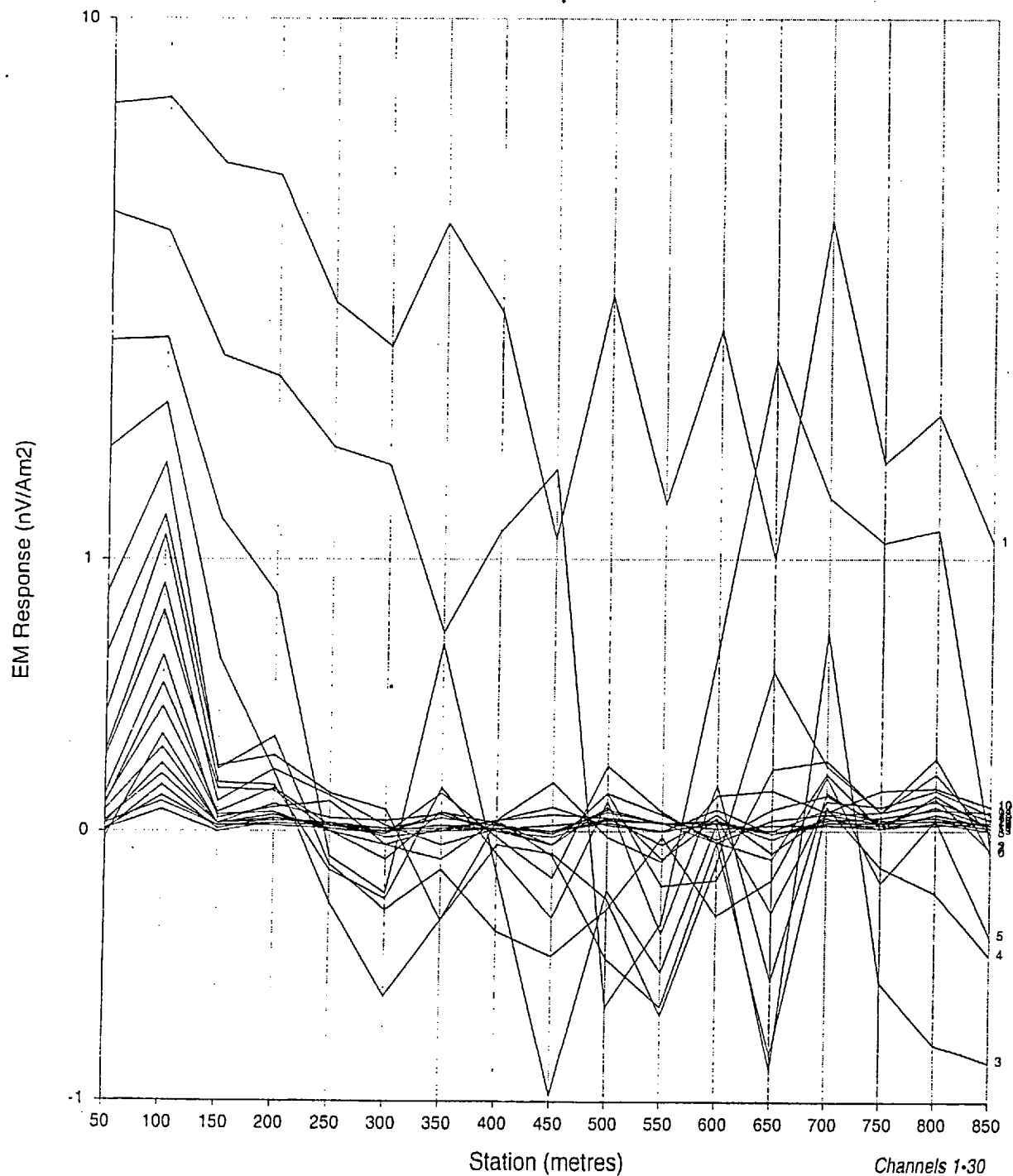
In-Loop EM Survey

A17-1 Line 0

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

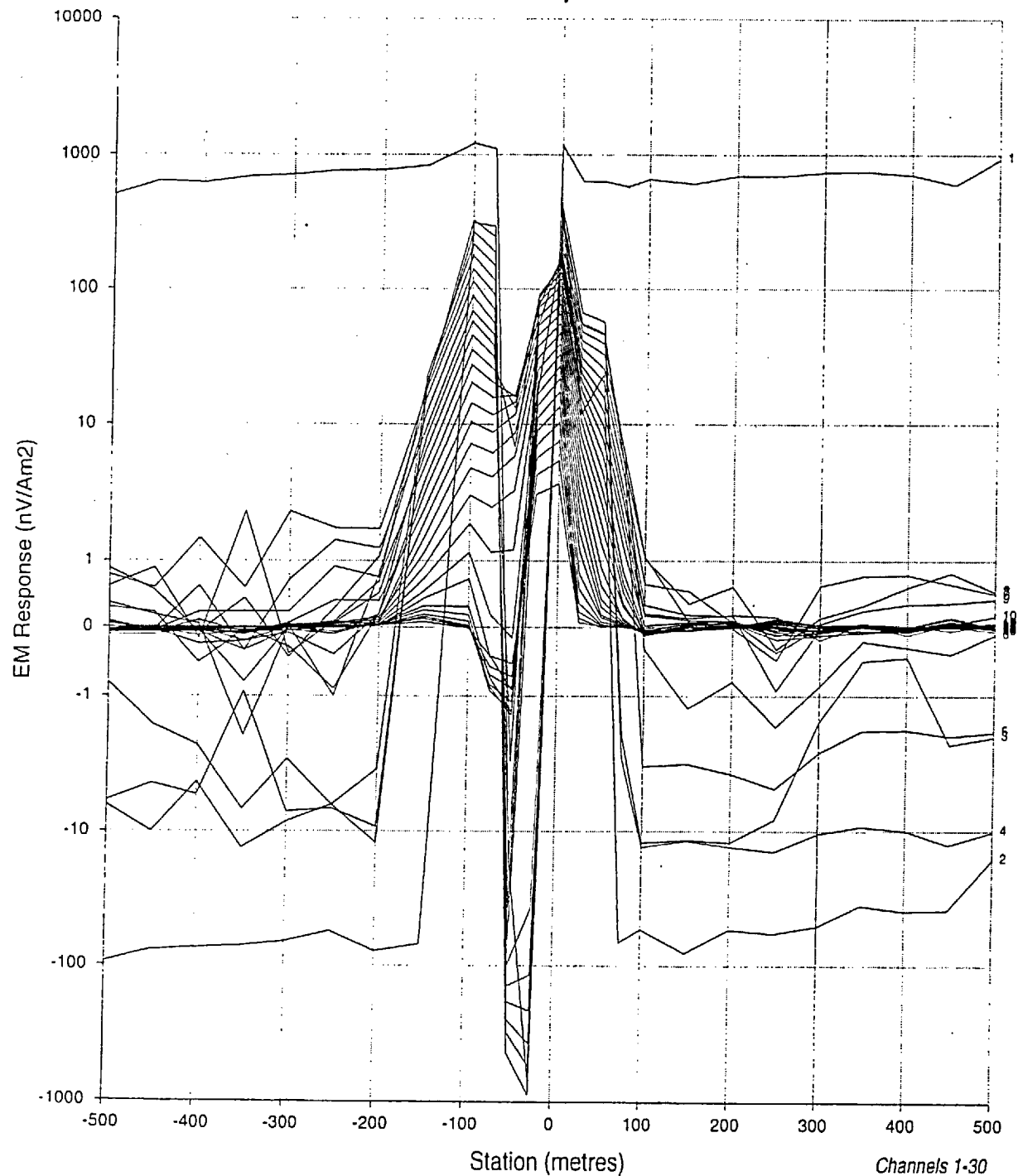
In-Loop EM Survey

A17-1 Line 200

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 7.5
 Component : Z
 Rx Coll : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

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Quebec 7 Prospect

In-Loop EM Survey

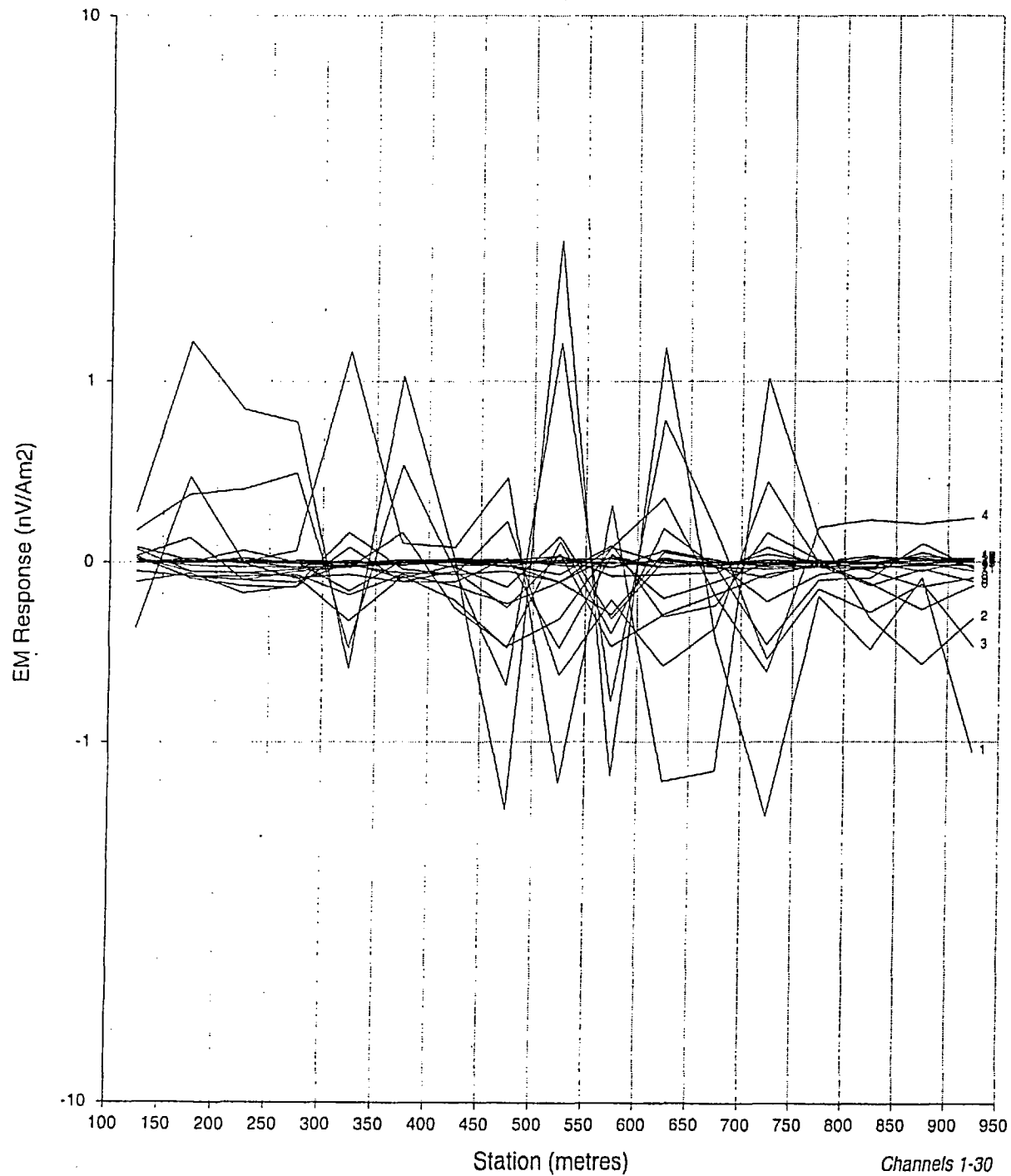
A17-1 Line 400

Drawn: L.McCall

Project: Quebec 7

Channels 1-30

Z Component



SURVEY PARAMETERS

Configuration : Slingram
 Station Spacing : 50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 30
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

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Quebec 7 Prospect

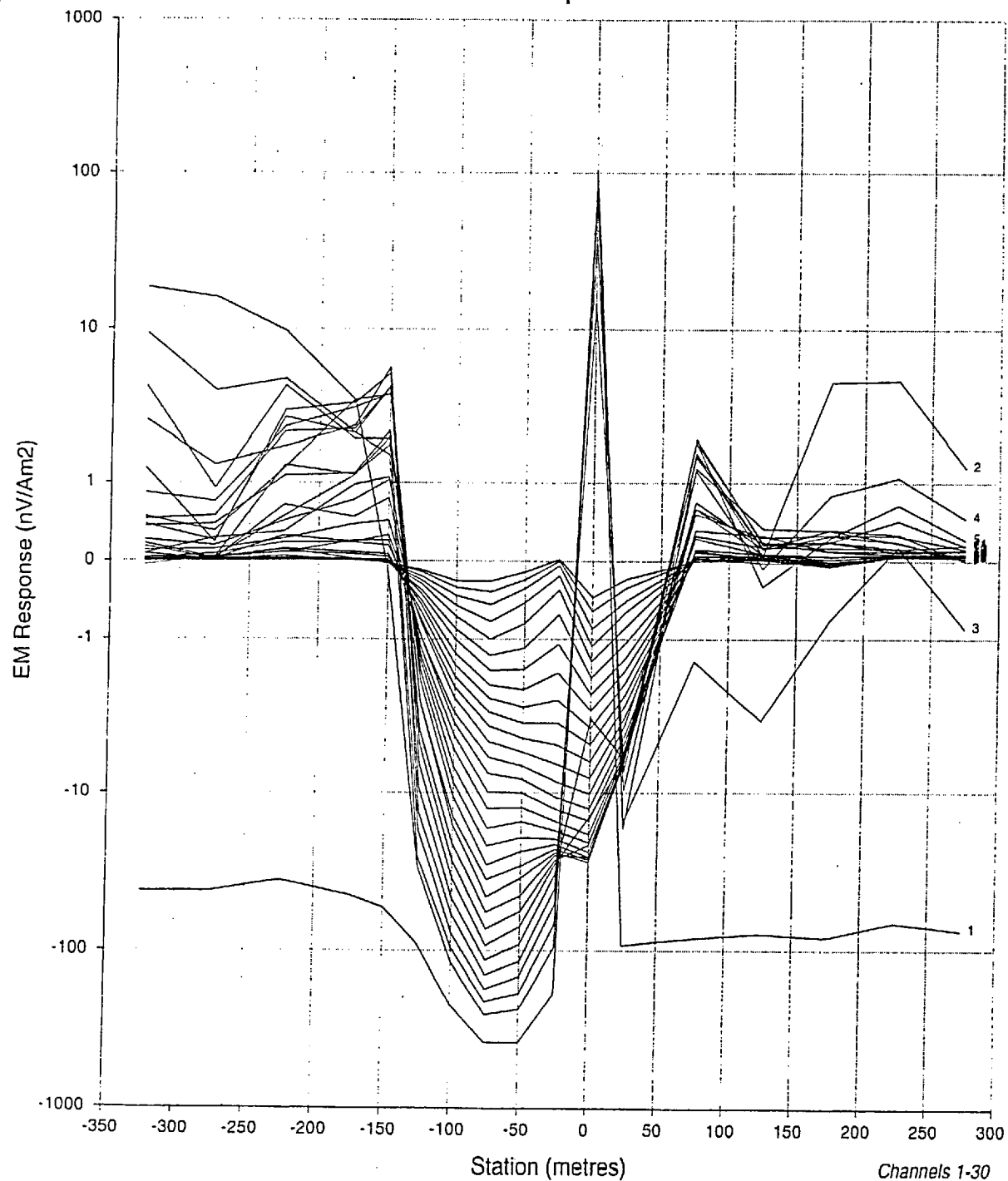
Slingram EM Survey

A17-1 Line 200

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : Slingram
 Station Spacing : 25-50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 7.5
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

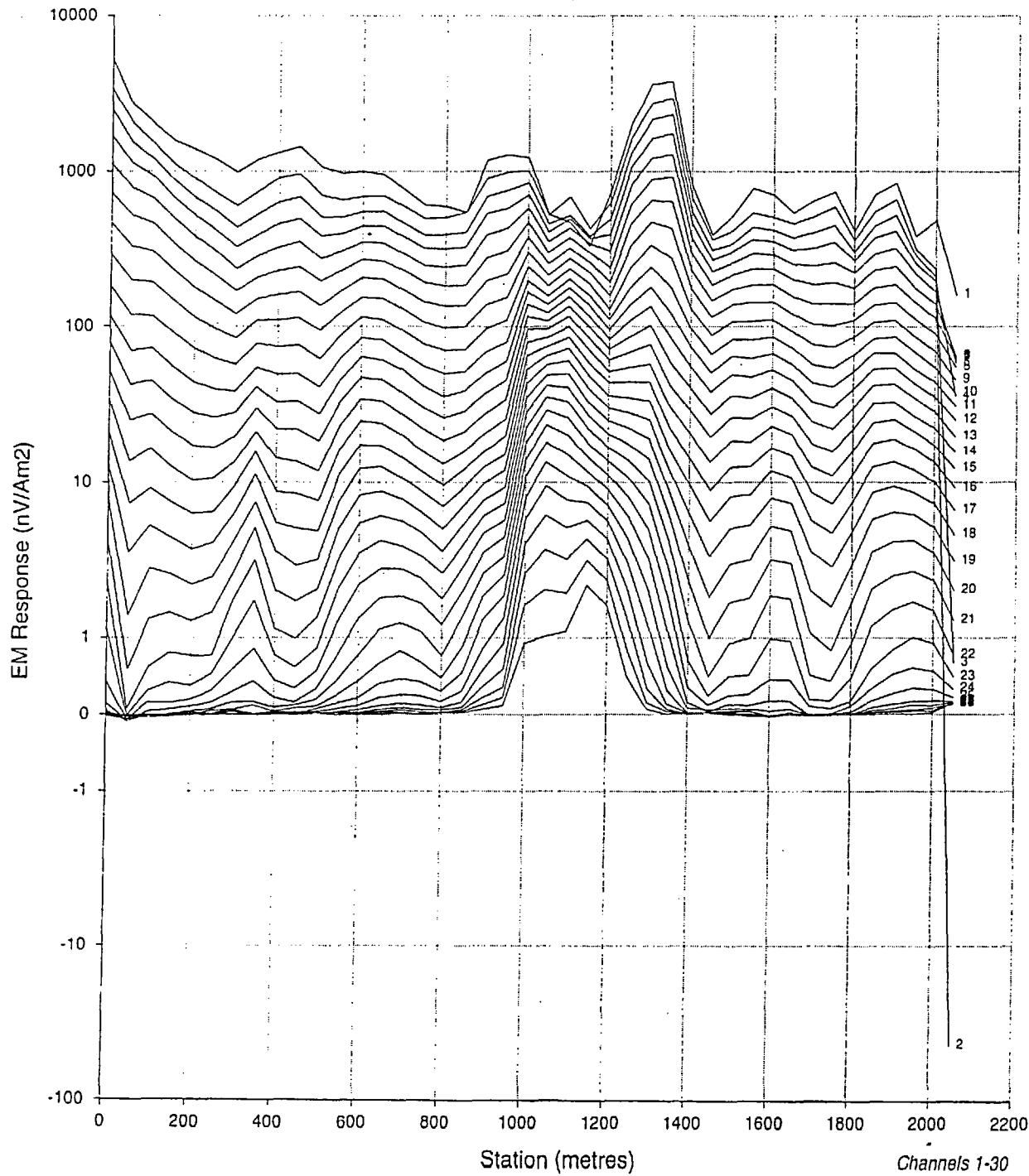
Slingram EM Survey

A17-1 Line 400

Drawn: L.McCall

Project: Quebec 7

Z Component



SURVEY PARAMETERS

Configuration : In-Loop
 Station Spacing : 50 m
 Units : nV/Am²
 Contractor : Discovery Geophysics

RECEIVER

Receiver : Geonics Protem
 Frequency : 7.5
 Component : Z
 Rx Coil : RVR
 Rx Area : 10000 turn-m

TRANSMITTER

Transmitter : EM 57
 Tx Area : 10000 m²
 Tx Loop Side : 100 m
 Tx Current : 12 A

WMC International Ltd

Quebec 7 Prospect

In-Loop EM Survey

Block 12 Line 1.0

Drawn: L.McCall

Project: Quebec 7

DISCOVERY GEOPHYSICS INC.
149 Commercial Rd., Springdale, Nfld
Box 223 A0J 1T0 tel/fax 709-673-5359

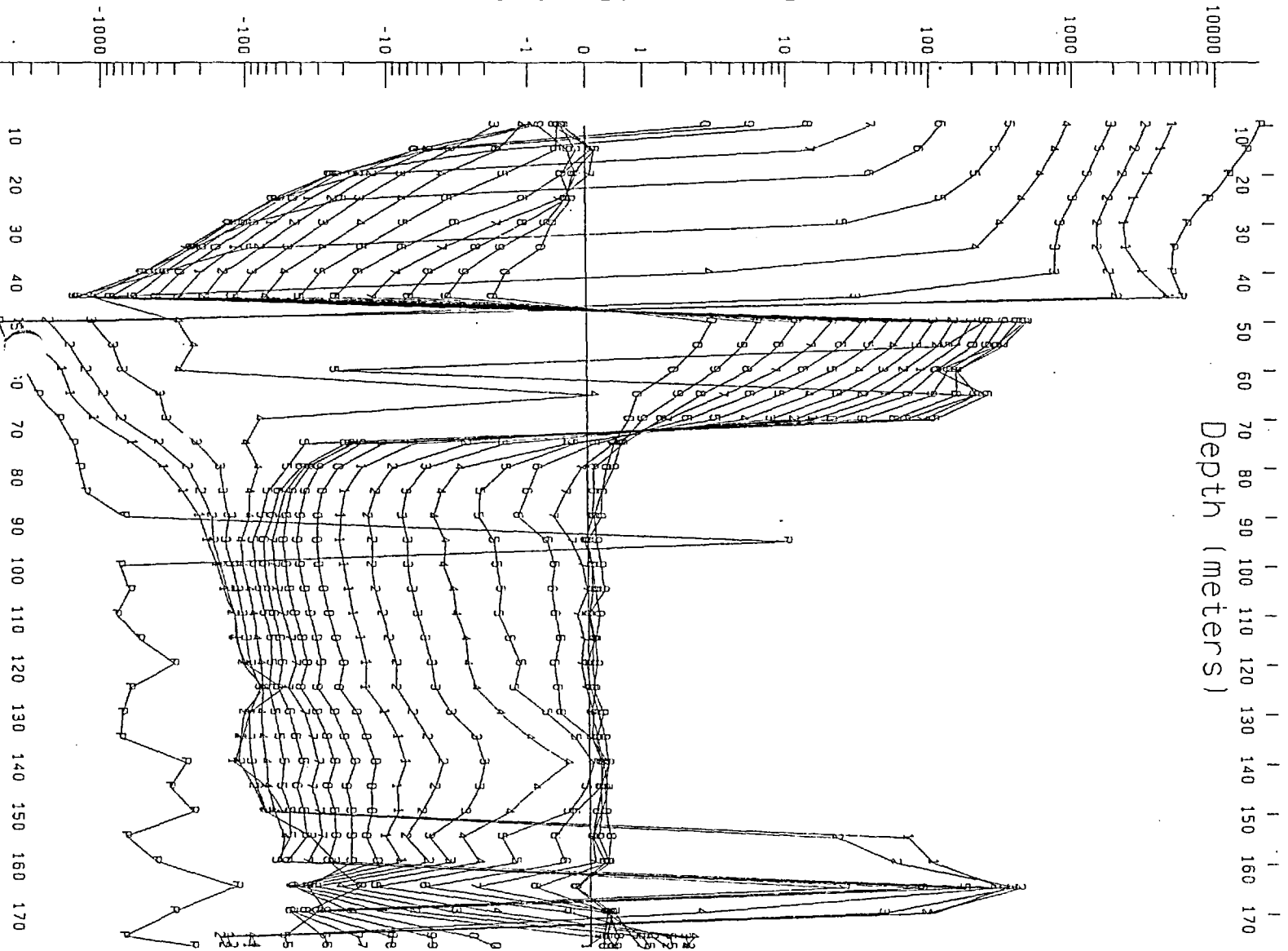
WMC INTERNATIONAL LTD.
Q7 PROJECT - ANOMALY A14
BOREHOLE TRANSIENT EM SURVEY
HOLE QPD0109 X LOOP C

Surveyed By: Jeff Burton

Survey Date: July 2001

Scale: 1:1250

Geonics nV/Am²



DISCOVERY GEOPHYSICS INC.
149 Commercial Rd., Springdale, Nfld
Box 223 A0J 1T0 tel/fax 709-673-5359

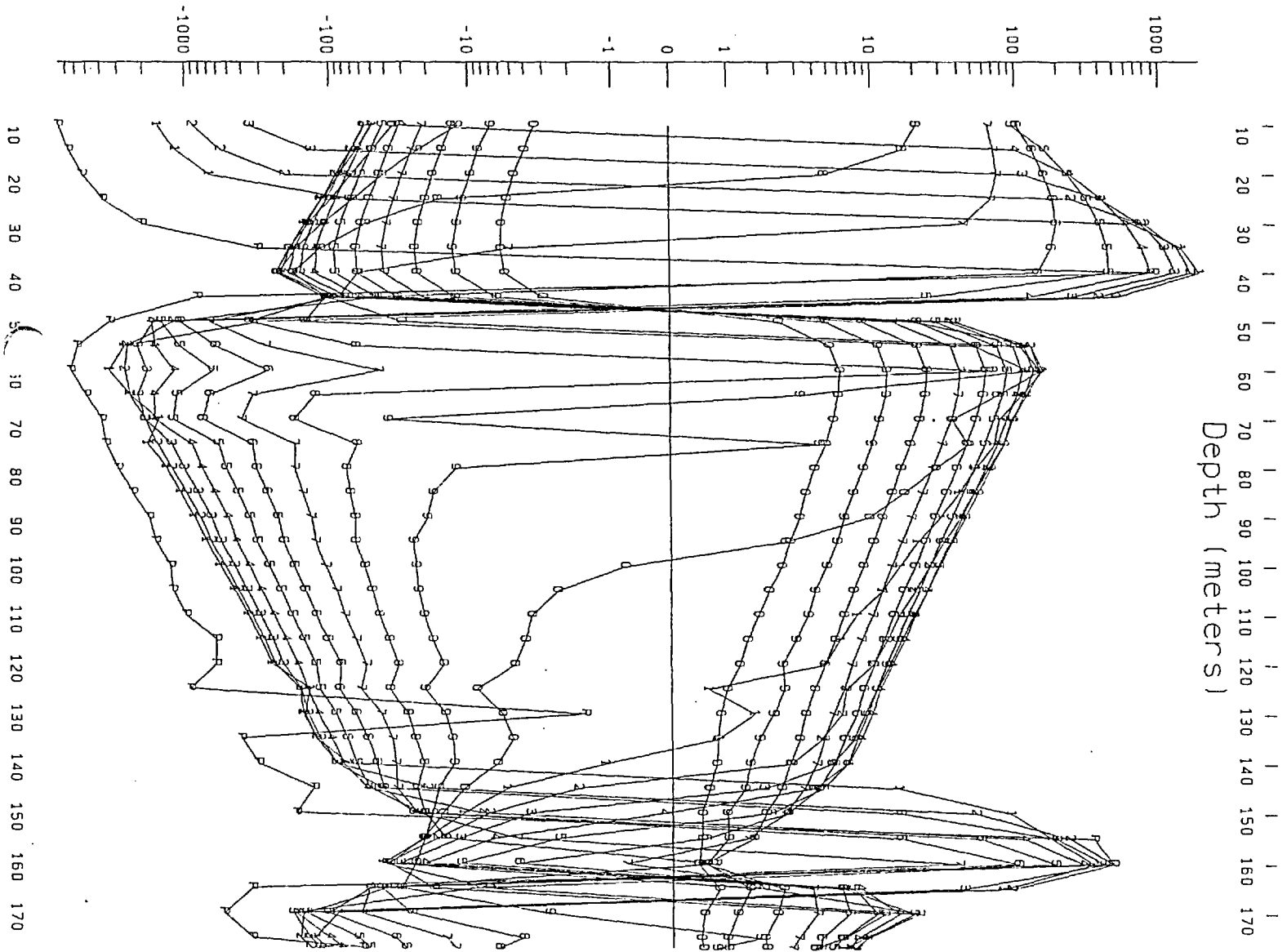
WMC INTERNATIONAL LTD.
Q7 PROJECT - ANOMALY A14
BOREHOLE TRANSIENT EM SURVEY
HOLE QPD0109 Y LOOP C

Surveyed By: Jeff Burton

Survey Date: July 2001

Scale: 1:1250

Geonics nV/Am²



DISCOVERY GEOPHYSICS INC.

149 Commercial Rd., Springdale, Nfld
Box 223 A0J 1T0 tel/fax 709-673-5359

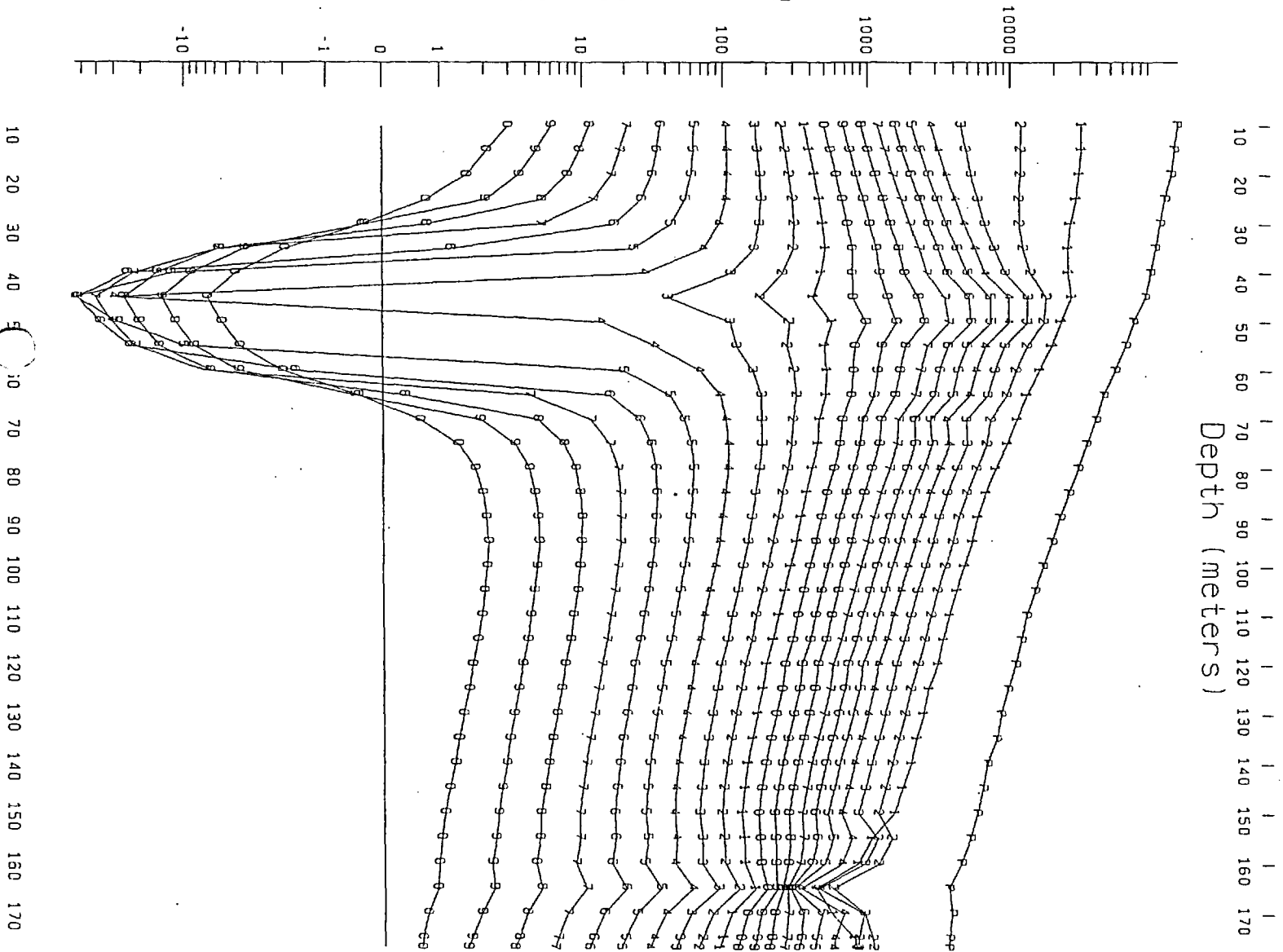
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Q7 PROJECT - ANOMALY A14
BOREHOLE TRANSIENT EM SURVEY
HOLE QPD0109 Z LOOP C

Surveyed By: Jeff Burton

Survey Date: July 2001

Scale: 1:1250

Geonics nV/Am²



DISCOVERY GEOPHYSICS INC.

149 Commercial Rd., Springdale, Nfld
Box 223 A0J 1T0 tel/fax 709-673-5359

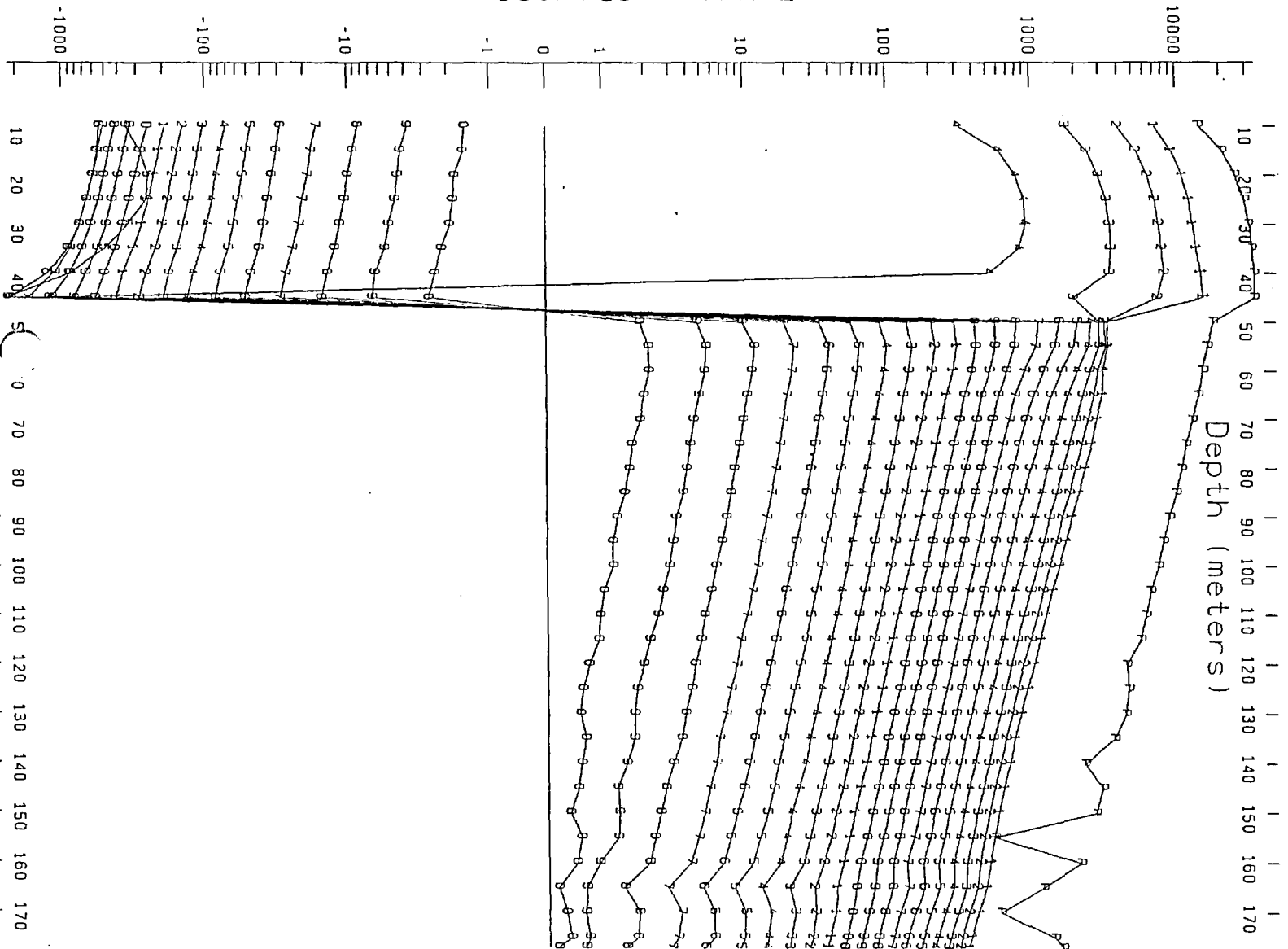
WMC INTERNATIONAL LTD.
Q7 PROJECT - ANOMALY A14
BOREHOLE TRANSIENT EM SURVEY
HOLE QPD0109 X LOOP W

Surveyed By: Jeff Burton

Survey Date: July 2001

Scale: 1:1250

Geonics nV/Am²



DISCOVERY GEOPHYSICS INC.
149 Commercial Rd., Springdale, Nfld
Box 223 A0J 1T0 tel/fax 709-673-5359

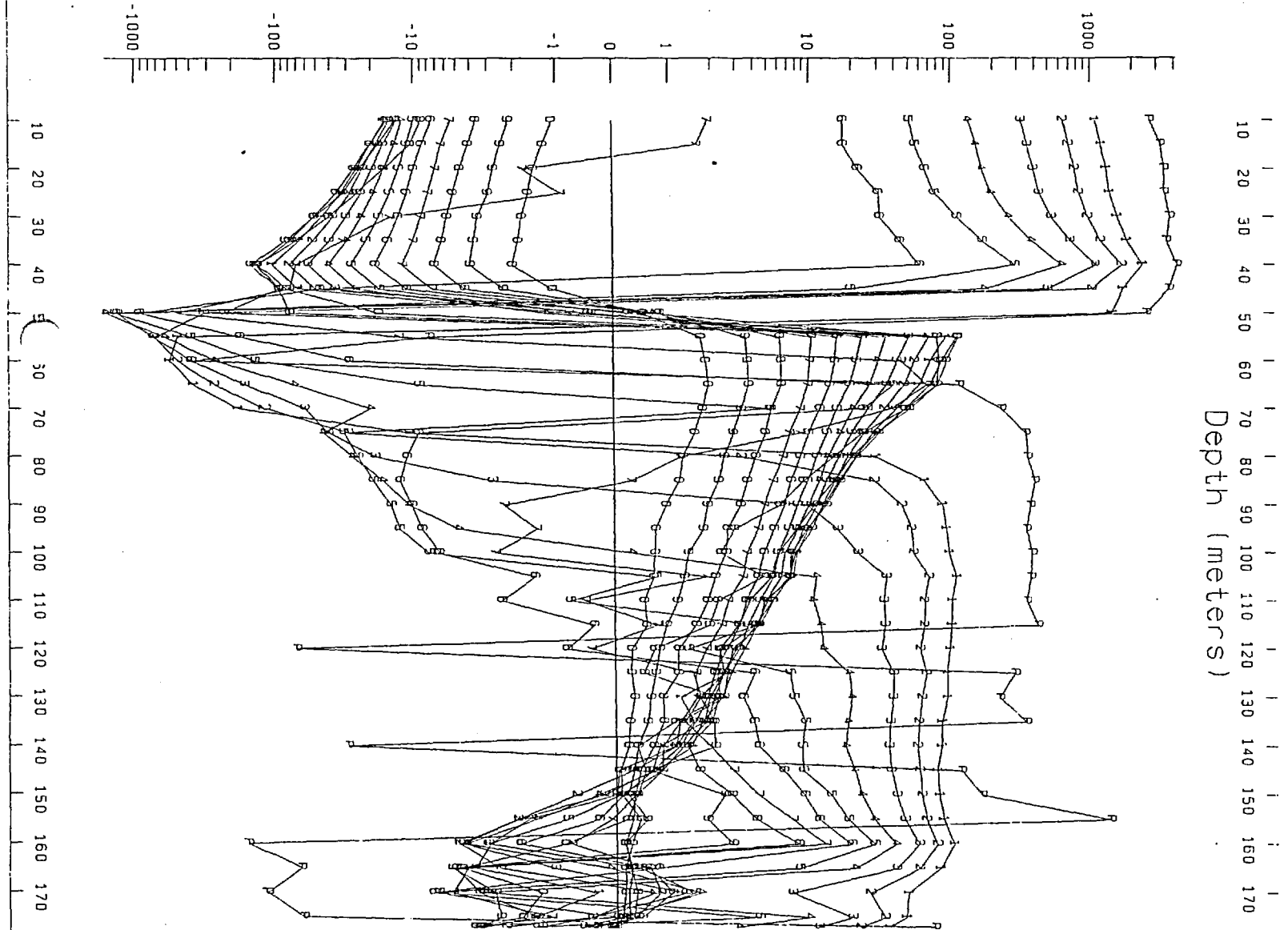
WMC INTERNATIONAL LTD.
Q7 PROJECT - ANOMALY A14
BOREHOLE TRANSIENT EM SURVEY
HOLE QPD0109 Y LOOP W

Surveyed By: Jeff Burton

Survey Date: July 2001

Scale: 1:1250

Geonics nV/Am²



DISCOVERY GEOPHYSICS INC.

149 Commercial Rd., Springdale, Nfld
Box 223 A0J 1T0 tel/fax 709-673-5359

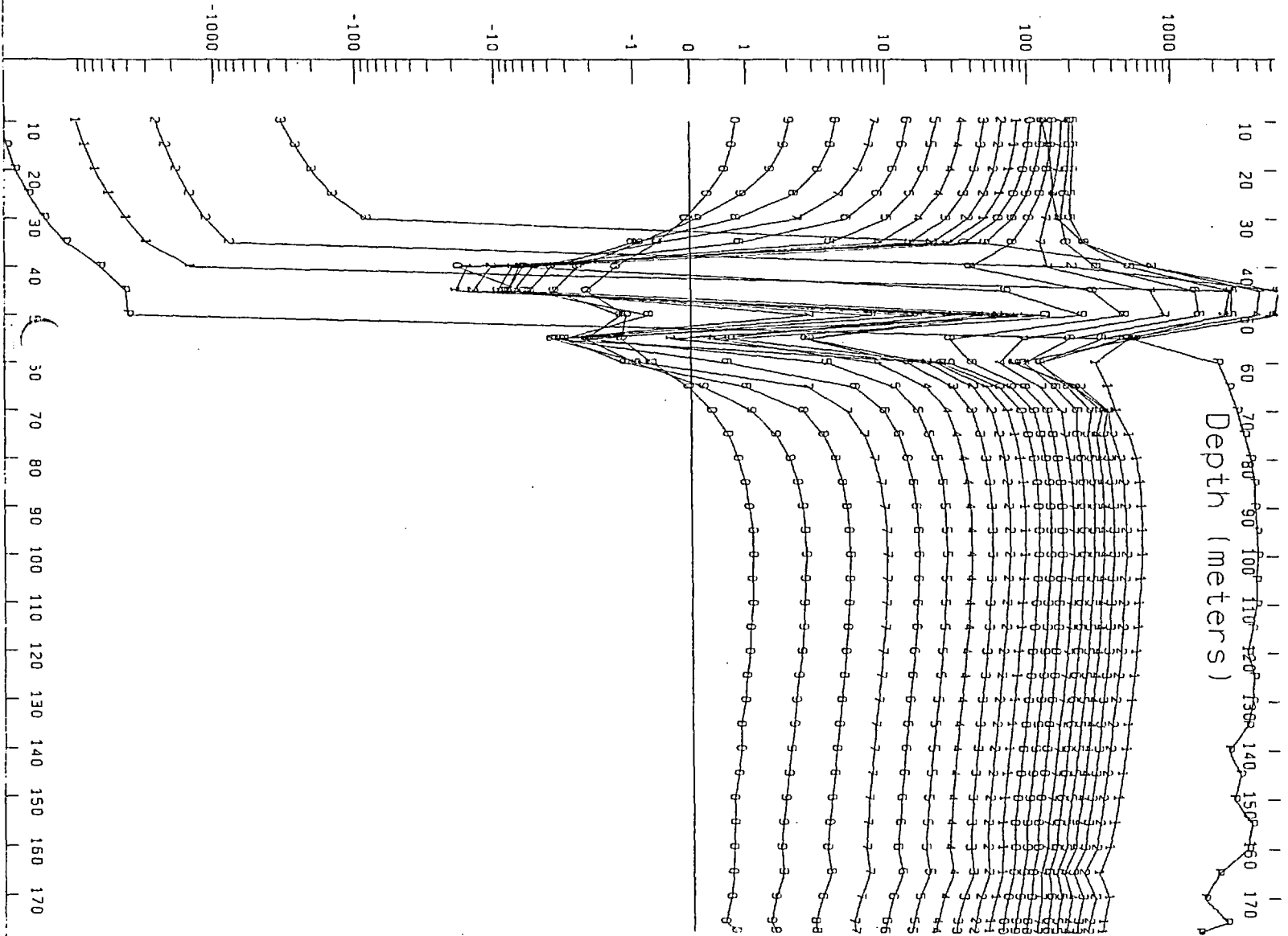
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Q7 PROJECT - ANOMALY A14
BOREHOLE TRANSIENT EM SURVEY
HOLE QPD0109 Z LOOP W

Surveyed By: Jeff Burton

Survey Date: July 2001

Scale: 1:1250

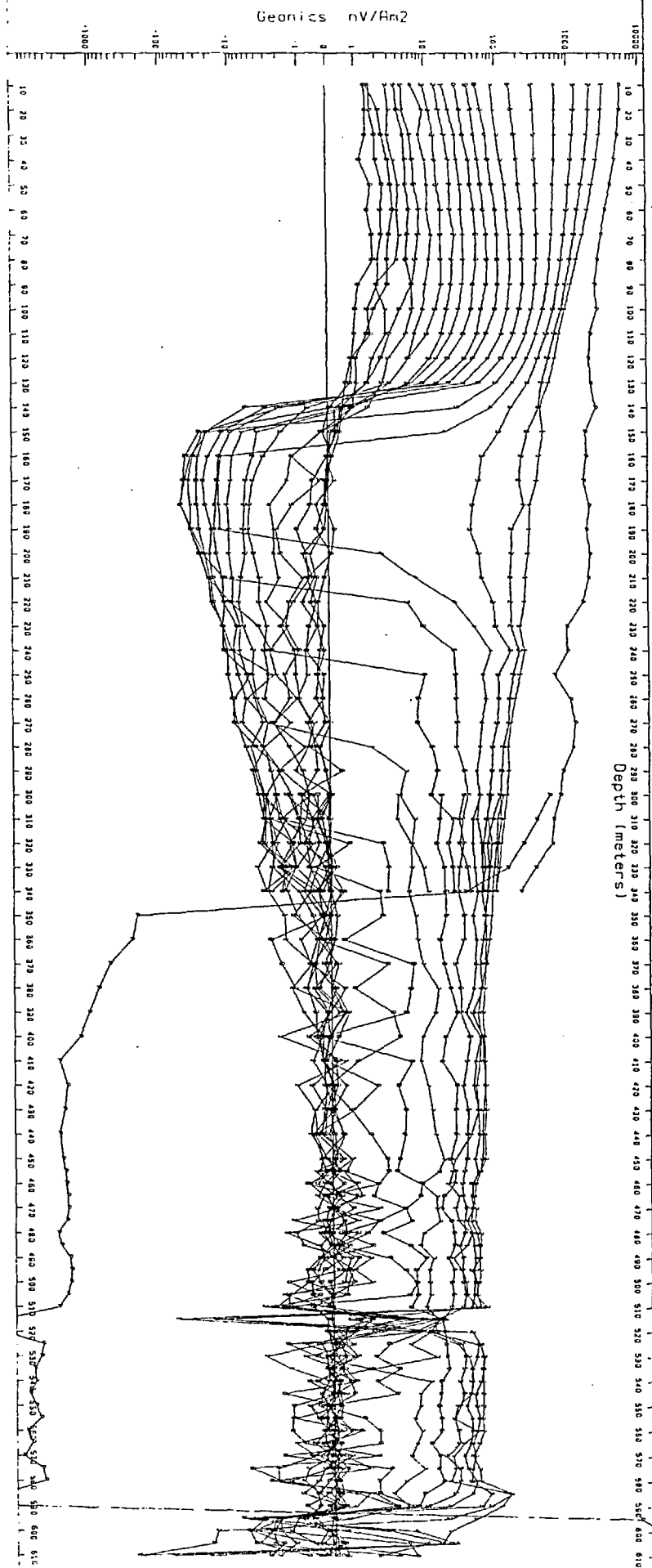
Geonics nV/Am²



DISCOVERY GEOPHYSICS INC.
149 Commercial Rd., Springdale, Nfld
Box 223 A3J 1T2 tel/fax 739 673 5359

HMC INTERNATIONAL LTD.
07 PROJECT - PAPAVIDINE
BOREHOLE TRANSIENT EM SURVEY
HOLE 0P00108 X LGOP C

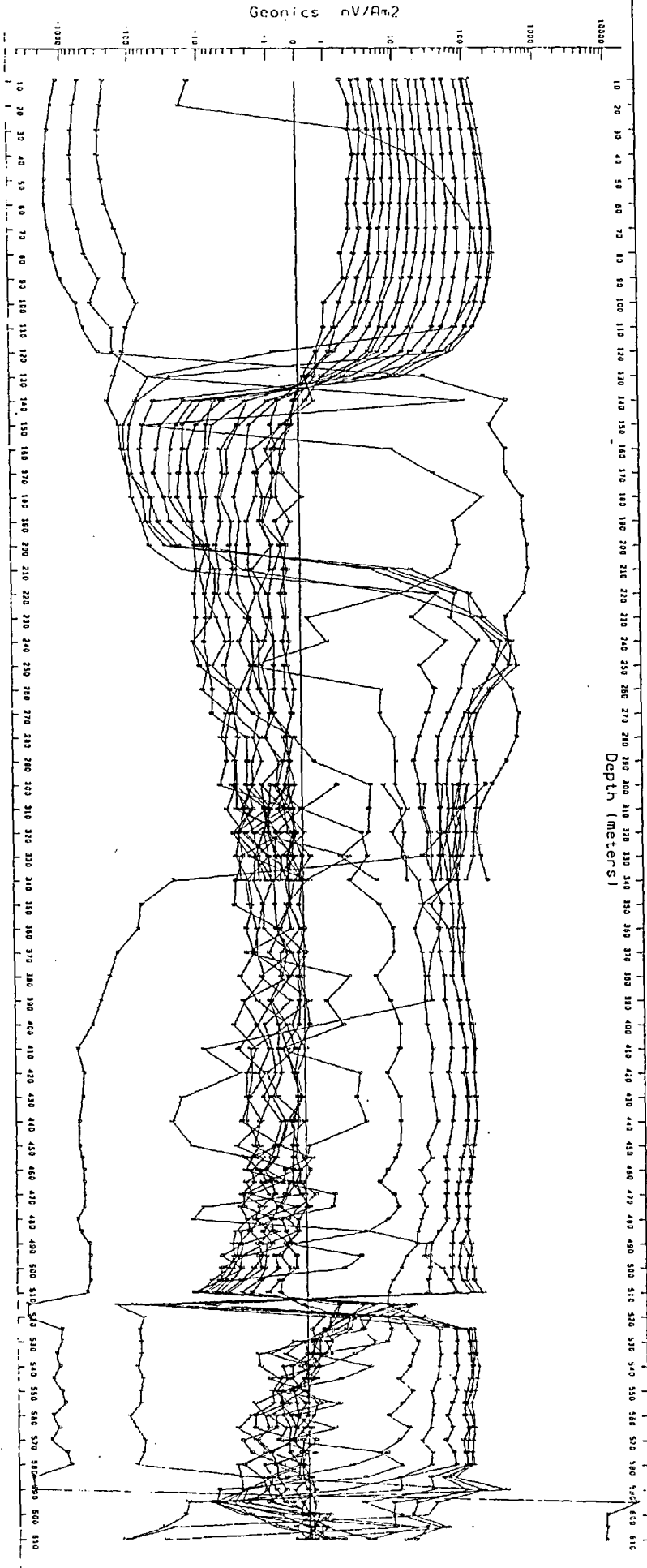
Surveyed by Jeff Burton
Survey Date July 2001
Scale 1:1250



DISCOVERY GEOPHYSICS INC.
149 Commercial Rd. - Georgetown, K110
Box 223 - P.O. 110 - Lethbridge T6Y 6T3 5395

WMC INTERNATIONAL LTD.
07 PROJECT - PAPAVOINE
BOREHOLE TRANSIENT EM SURVEY
HOLE OPD0106 Y LOOP C

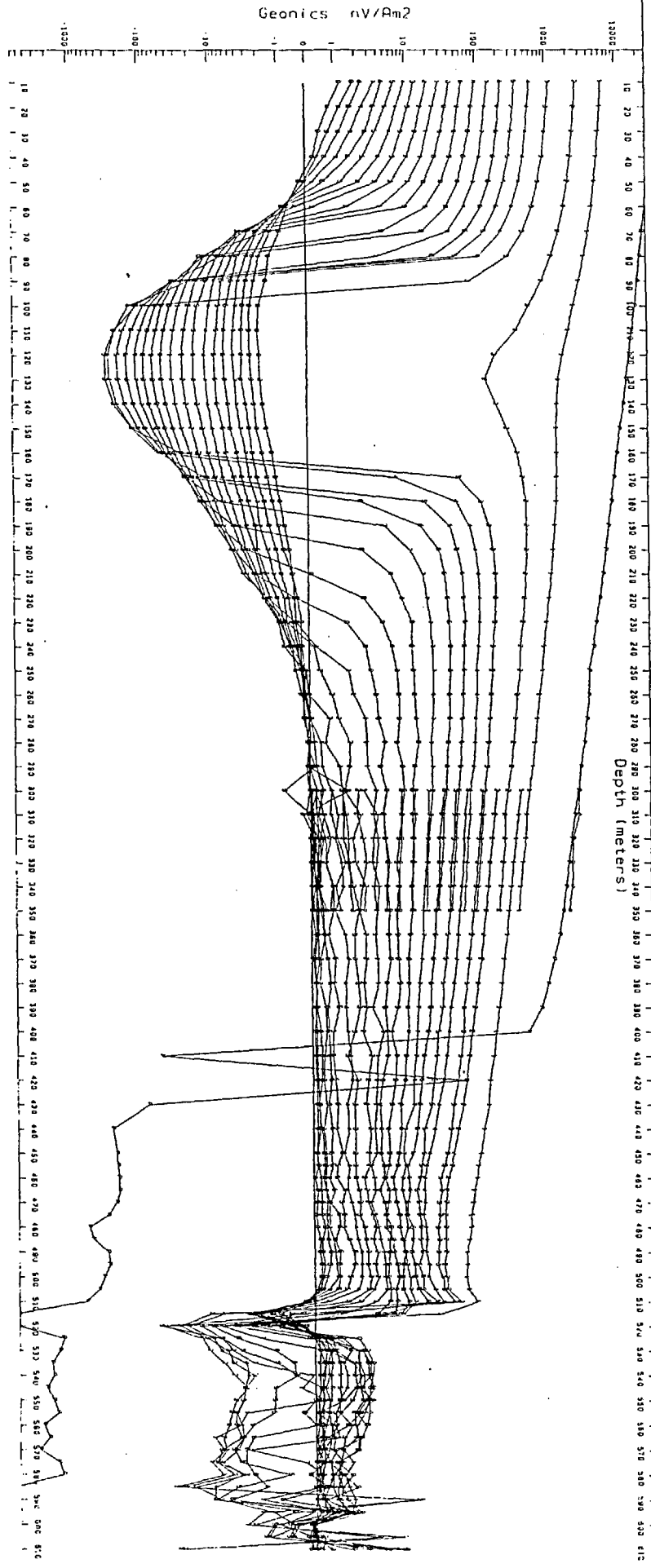
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Survey Date: July 2001
Scale: 1:1250



DISCOVERY GEOPHYSICS INC.
149 Commercial Rd., Springdale, Nfld
Box 223 402 572 cell/fax 709 633-5358

WMC INTERNATIONAL LTD.
Q7 PROJECT - PAPAVOINE
BOREHOLE TRANSIENT EM SURVEY
HOLE OPD0108 Z LOOP C

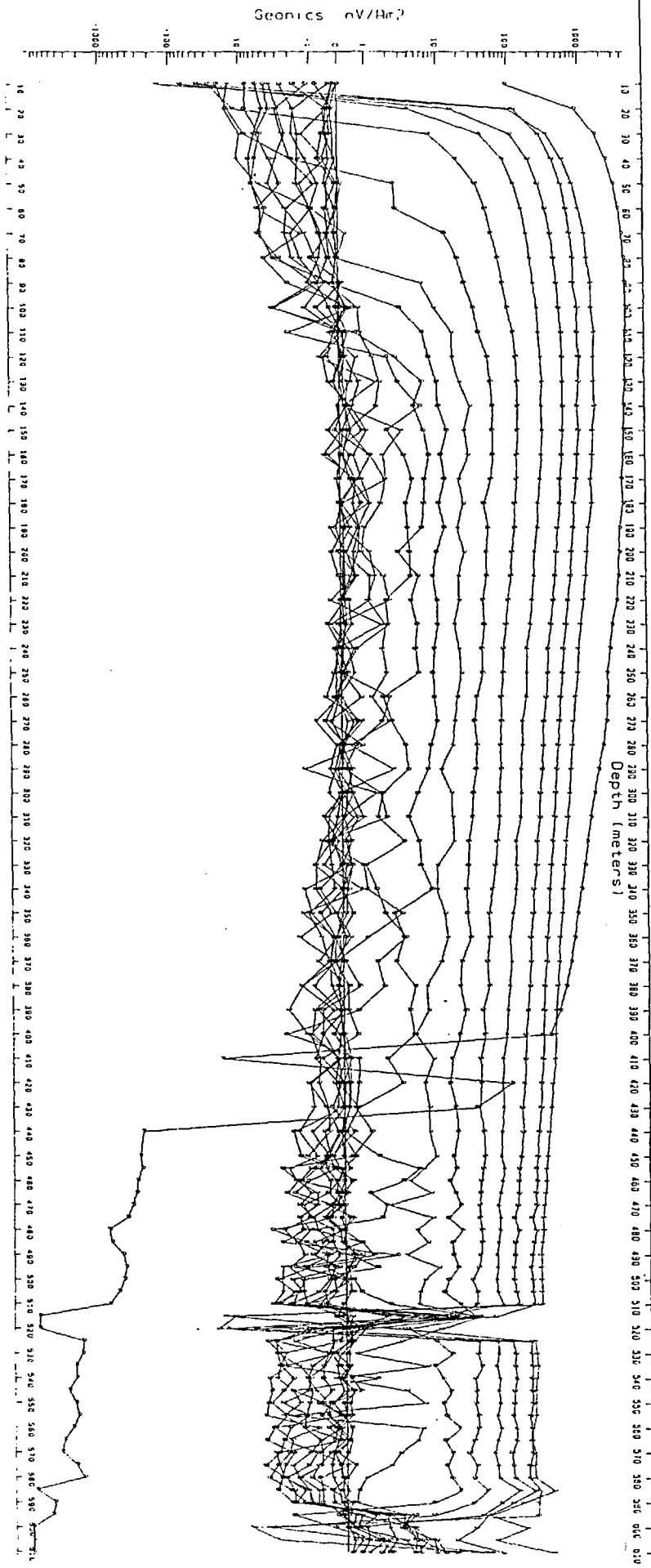
Surveyed By: Jeff Burson
Survey Dates: July 2001
Scale: 1:1250



DISCOVERY GEOPHYSICS INC.
149 Commercial Rd., Springdale, Nfld.
Box 223, A0J 1T0, Telefax 709 673 5358

WMC INTERNATIONAL LTD.
Q7 PROJECT PAPAVOINE
BOREHOLE TRANSIENT EM SURVEY
HOLE OPD6108 X LOOP E

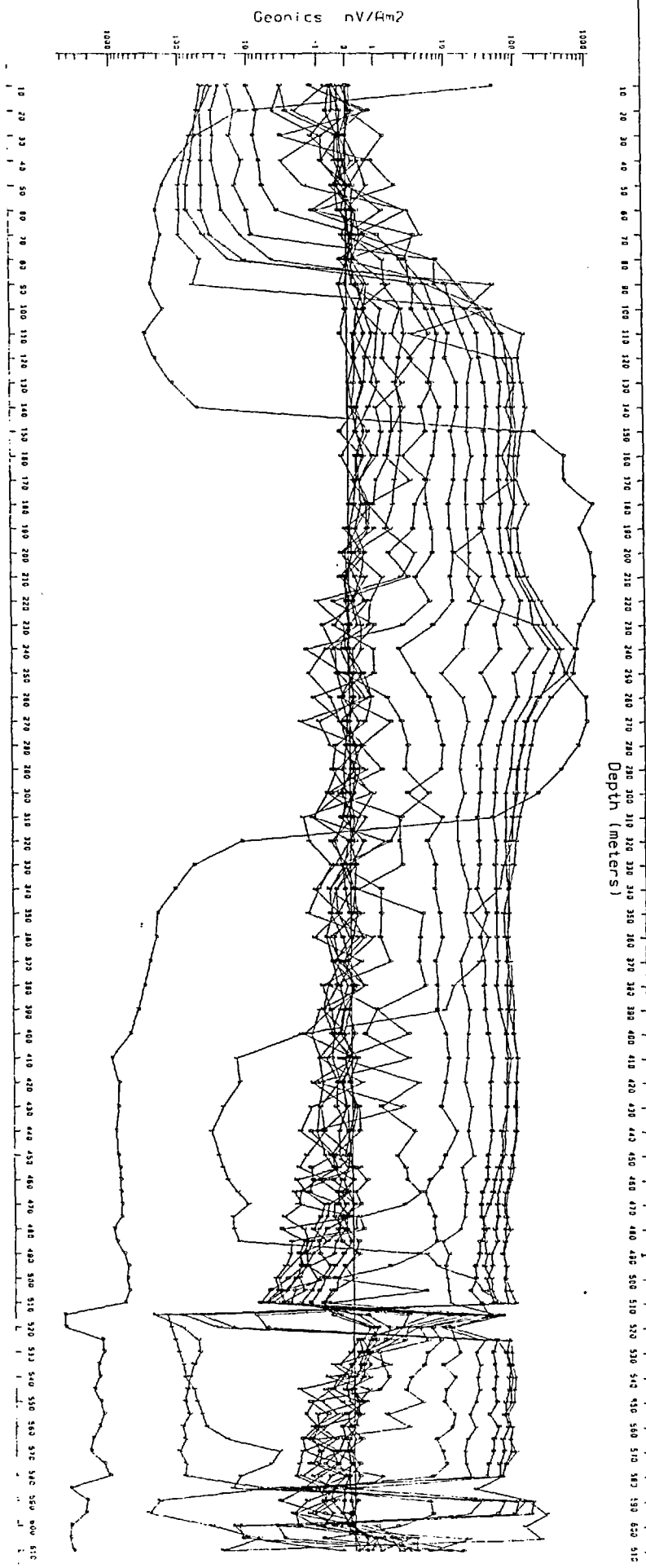
Surveyed By: Jeff Burton
Survey Date: July 2001
Scale: 1:1250



DISCOVERY GEOPHYSICS INC.
149 Commercial Rd., Sprague, N.C.
Box 223 Box 170 Telephone 465 673 5155

WMC INTERNATIONAL LTD.
07 PROJECT - PAPAOGINI
BOREHOLE TRANSIENT EM SURVEY
HOLE OPDD108 Y LOOP E

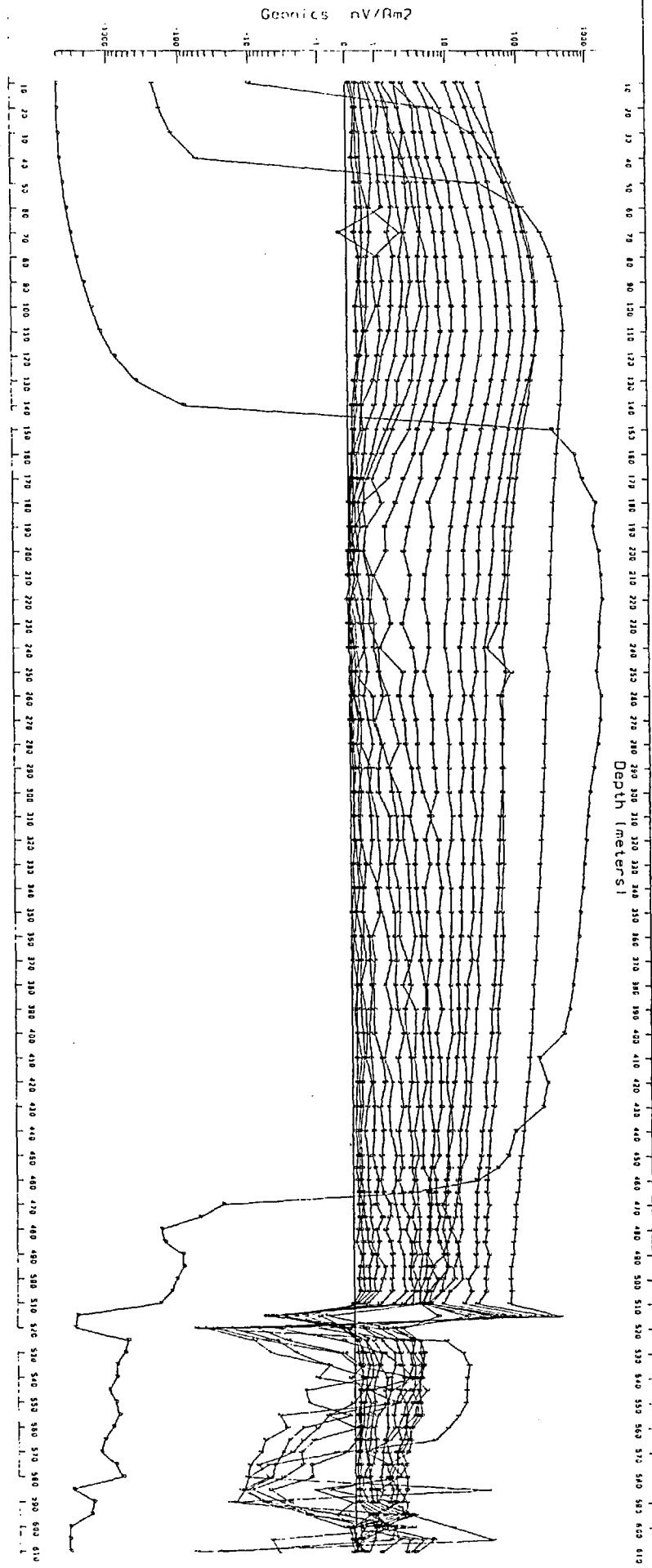
Surveyed By Jeff Burton
Survey Date July 2001
Scale 1:1250



DISCOVERY GLOPHYSICS INC.
149 Commercial Rd., Springdale, Nfld.
Box 223 A3J 1T0 Tel: (709) 633-5359

WMC INTERNATIONAL LTD.
07 PROJECT - PAPAVOINE
BORCHOLE TRANSIENT EM SURVEY
HOLE 0P00108 2 LOOP E

Surveyed By: Jeff Hurton
Survey Date: July 2001
Scale: 1:1250



Appendix 4f
Petrophysical Measurements

**PETROPHYSICAL RESULTS
MEASURED LABORATORY DATA**

*Systems Exploration (NSW)
Pty Limited*

Postal Address: Box 6001
Dural Delivery Centre
NSW 2158

Telephone:
Fax:
email:

STUDY:	WMC Resources Ltd	Project #
DATE:	25 August 2001	AREA: Quebec, Ni
REFERENCE: Bruce Harris/emailed authority 14.08.01		
METHODS:		
mass properties	see Table 1	Figure 1
magnetic properties	see Table 2	Figure 2
elec resistivity/IP	see Table 3	Figure 3
inductive EM conductivity	see Table 3	
gamma counts	see Table 4	
References on Techniques see:		
Clark, D.A. & Emerson, D.W., 1991. <i>Notes on rock magnetisation characteristics in appl. Explor. Geophys</i> , 22, 547-555.		
Emerson, D.W., 1969. <i>Laboratory electrical resistivity measurements of rocks</i> . (incl. Wa Proc Aust. Inst. Min. & Metal, 230, 51-62		
Emerson, D.W., 1990. <i>Notes on mass properties of rocks - density, porosity, permeability</i> 209-216		
Emerson, D.W. & Yang, Y.P., 1997. <i>Insights from laboratory mass property crossplots</i> .		
Yang, Y.P. & Emerson, D.W., 1997. <i>Electromagnetic conductivities of rock cores: Theory</i> Geophys. 62/6, 1779-1793 (incl. Mag k. induction coil)		
Reference to high resistivity terrains:		
Emerson, D.W. & Yang, Y.P., 1998. <i>Physical Properties of Fractured Rock - Bulk Resist</i> 26-27		

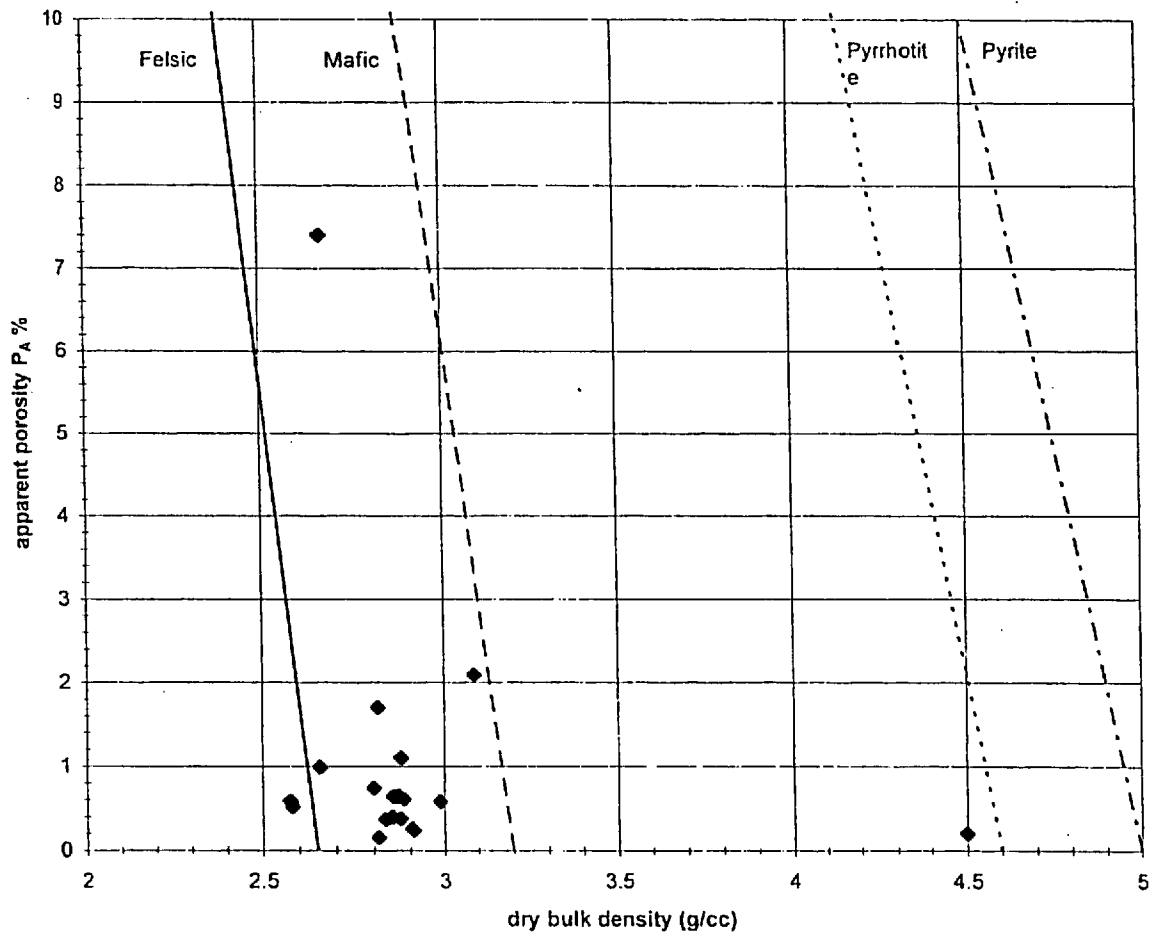
Important Notes:

- These petrophysical data results relate to laboratory measurements on small samples. The extrapolation masses of in situ material should take account of sampling statistics, rock texture, structure (e.g. jointing e.g. water saturation in electrical studies and anisotropy).
- The results contained herein relate only to the material submitted for testing and no responsibility is ac of the material submitted.

• It is well known that the physical and electromagnetic properties of the earth are highly non-uniform parameters σ and ϵ to describe the earth must take into account the fact that they will be a function of represent a composite value which is directly affected by the non-uniformity of the sample. In rock mec described by the terms "rock mass" to represent the non-uniform composite structure, and "rock mater material. [from IEE 1999: Guide for measurements of EM properties of earth media]

SYSTEMS EXPLORATION (NSW) PTY LIMITED							Table 1		
Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158							Project: 2001/30		
Telephone: (02) 4579 1183; Fax: (02) 4579 1290							Date: 22 August 2001		
STUDY WMC Res. Ltd (Quebec Ni Prospect)									
TECHNIQUES mass properties									
REFERENCE Bruce Harris									
SAMPLES		PHYSICAL PROPERTIES					condition "as received"		
		dry bulk density	apparent porosity	voids ratio	SGGA (composite, apparent)	WBD wet (sat.) bulk dens.	orig. water sat.	density in orig. condition	
12 split core		DBD	P _A	(V _{void} /V _{solid})	grain dens.				
GPX	lithology	g/cm ³	%	%	g/cm ³	g/cm ³	S _w %	g/cm ³	
2001	troct.	2.87	0.4	0.4	2.88	2.88	50	2.87	
2002	gabbro	2.85	0.4	0.4	2.86	2.85	68	2.85	
		2.83	0.4	0.4	2.84	2.84	75	2.84	
2003	perid.	2.67	7.4	8.0	2.88	2.75	82	2.73	
2004	gneiss + min	2.88	0.6	0.6	2.9	2.89	87	2.89	
		2.99	0.6	0.6	3.01	2.99	68	2.99	
2005	po/py	4.50	0.2	?		4.50			
2006	gneiss	2.81	0.2	0.2	2.82	2.82	55	2.81	
		2.87	0.7	0.7	2.89	2.87	89	2.87	
2007	granite	2.58	0.6	0.6	2.59	2.58	61	2.58	
		2.58	0.5	0.5	2.6	2.59	70	2.59	
4001	troct.	2.91	0.2	0.2	2.92	2.91	58	2.91	
		2.91	0.3	0.3	2.91	2.91	57	2.91	
4002	gabbro			0.0					
		2.88	1.1	1.1	2.91	2.89	89	2.88	
4003	mafic min.	3.09	2.1	2.1	3.16	3.11	92	3.11	
		2.81	1.7	1.7	2.86	2.83	86	2.83	
4004	granite	2.80	0.7	0.7	2.82	2.81	89	2.81	
		2.85	0.6	0.6	2.87	2.86	89	2.86	
4005	granite	2.66	1.0	1.0	2.68	2.67	62	2.66	

Figure 1

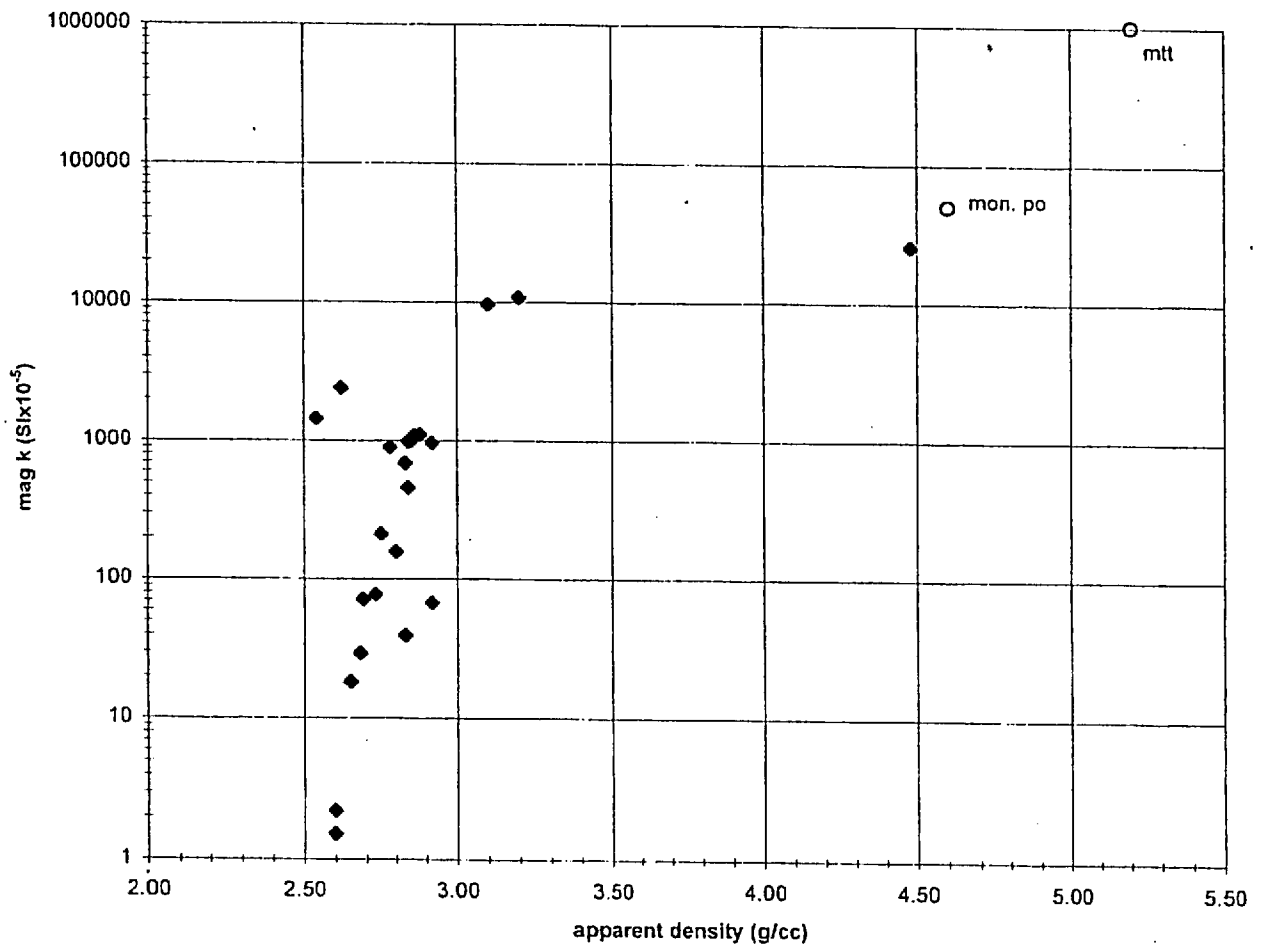


SYSTEMS EXPLORATION (NSW) PTY LIMITED							Table 2		
Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158									
Telephone: (02) 4579 1183; Fax: (02) 4579 1290							Project: 2001/30		
10 cm ³ subsamples							Date: 29 July 2001		
STUDY WMC Res. Ltd (Quebec Ni Pros)							k cgs x 4π = kSI		
TECHNIQUES magnetic laboratory, mag k induction coil 460							1μG cgs = 1mA/m SI		
REFERENCE B. Harris							F(earth) nominal 0.50G = 50 000 γ (nT)		
SAMPLES		MAGNETIC PHYSICAL PROPERTIES							
		suscept	J _{IND}	J _{NRM}	I _{NRM}	D _{NRM}	Qn		
	12 split core	k	= kF	intensity	+ down	azimuth	K.ratio	mag k	apparent
		cgsx10 ⁻⁶	μG	μG	- up	degrees	J _{NRM}		density
	GPX				incl. degrees		J _{IND}	Slx10 ⁻⁵	g/cm ³
	2001i							978	2.84
	ii							991	2.85
	2002i							681	2.83
	ii							157	2.80
	2003i							71	2.69
	ii							77	2.73
	2004i							453	2.84
	ii							1099	2.88
	2005							25467	4.48
	2006i							67	2.92
	ii							39	2.83
	2007i							1.5	2.60
	ii							2.2	2.60
	4001i							956	2.92
	ii							1077	2.86
	4002i							211	2.75
	ii							888	2.78
	4003i							1432	2.54
	ii							2383	2.62
	4004i							10732	3.20
	ii							9559	3.10
	4005i							29	2.68
	ii							18	2.65




(sulphide
poor
sections)

(sulphidic)

Figure 2

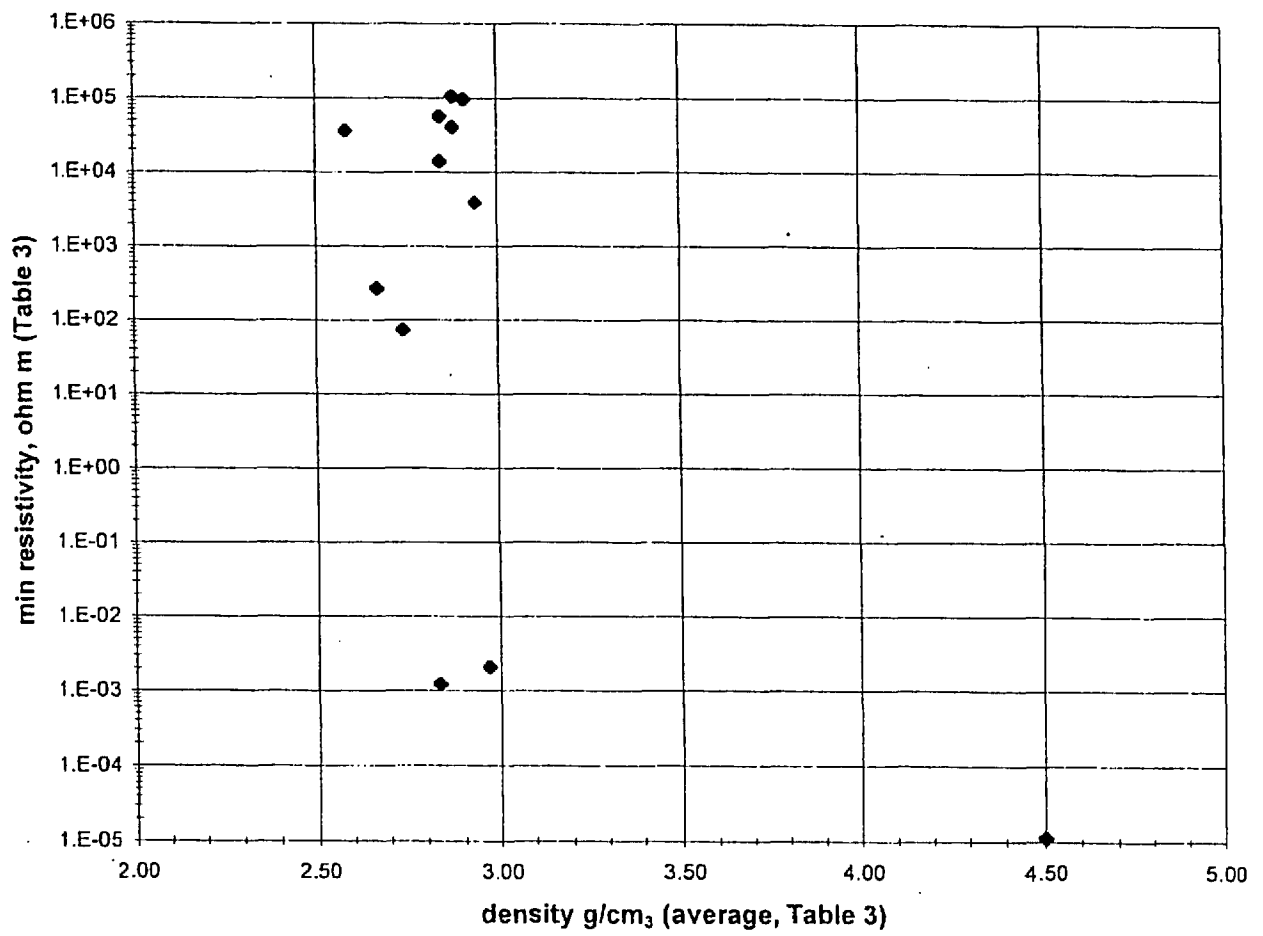


SYSTEMS EXPLORATION (NSW) PTY LIMITED				Table 3	
Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158					
Telephone: (02) 4579 1183; Fax: (02) 4579 1290				Project: 2001/30	
heterogeneity and texture lead to differences in galv. & em cond. responses				Date: 30 August 2001	
note: lab limit 0.1 S/m for em cond. det					
STUDY <u>WMC Res. Ltd</u> (Quebec Ni Prospect)				see Emerson & Yang 1998, ASEG	
TECHNIQUES <u>elec. em, IP</u>				Preview 77 for effects of water filled	
REFERENCE <u>Bruce Harris</u>				macrofractures on bulk of high resistivity (lab. log scale)	

SAMPLES		LAB. PHYSICAL PROPERTIES (MESOSCALE)						
		tested "as received"				vac sat 10 Ωm water		
		lithol. & texture	apparent density	galvanic 1'kHz resistivity ρ ₁ ohm m	galvanic DC conductivity σ ₁ S/m	EM cond. σ S/m	ρ ₀ 1kHz along core axis Ωm	IP effect as phase lag 0.1 Hz mrad
		(along core axis)			(along core axis)			
2001		troctolite	2.88	124205		→0	104183	63
2002	a	gabbro +	2.85	50027		→0	32076	93
	b	sulphide	2.84	29609			13836	173
2003		perid.	2.74	85449		→0	73	88
2004	a	min. gneiss	2.89	6203		→0	4731	87
	b		2.99	4828			3841	123
2005		massive po & py	4.50	(massive sulphide)	90111	very high (sample too irregular)	cond. inverted)	199
2006	a	h/f gneiss	2.82	87704		→0	56017	44
	b		2.87	84023			65116	53
2007	a	granite /	2.58	48272		→0	35596	6
	b	paragneiss	2.59	58219			59125	12
4001	a	troctolite	2.91	123929		→0	98073	64
	b		2.91	124406			95379	72
4002		gabbro + sulphide	2.88	63072		→0	40179	86
		mafic + gr. + sulphides						
4003	a		3.11	(sulphides banded & heterogen.)	481	5330	cond. inverted)	113
	b		2.83		58	94		341
		granitic paragneiss						
4004	a		2.81	(networked sulphides)	828	930	cond. inverted)	541
	b		2.86		118	880		556
		granitic paragneiss + gr. + py						
4005			2.67	386 (veined + dissem.)		→0	267	176

SYSTEMS EXPLORATION (NSW) PTY LIMITED				Figure 3 Data from Table 3			
Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158							
Telephone: (02) 4579 1183; Fax: (02) 4579 1290				Project: 2001/30			
				Date: 30 August 2001			
STUDY WMC Res. Ltd (Quebec Ni Prospect)				see Emerson & Yang 1998, ASEG			
TECHNIQUES elec, em, IP				Preview 77 for effects of water filled			
REFERENCE Bruce Harris				macrofractures on bulk of high resistivity (lab, log scale)			
SAMPLES							
12 split core		average	minimum				
GPX		apparent	resistivity				
		density	ρ_0 1kHz				
2001		2.88	104183				
2002	a	2.85	13836				
	b						
2003		2.74	73				
2004	a	2.94	3841				
	b						
2005		4.50	1.11E-05 (D.C. cond)				
2006	a	2.85	56017				
	b						
2007	a	2.59	35596				
	b						
4001	a	2.91	95379				
	b						
4002		2.88	40179				
4003	a	2.97	2.08E-03				
	b		(D.C. cond)				
4004	a	2.84	1.21E-03				
	b		(D.C. cond)				
4005		2.67	267				

Figure 3



Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158

Telephone: (02) 4579 1183; Fax: (02) 4579 1290

Project No: 2001/30

Date: 18 August 2001

the total count rate is due to K, U, Th and all the U, Th daughter products and possibly some

STUDY __ WMC Resources Ltd __ Quebec Ni

northern hemisphere Cs137 from

TECHNIQUES __ radiometric counting (lead castle per CSIRO DEM, Dr B Dickson)

the nuclear industry - use this

REFERENCE

uncalibrated count rate in a relative way only

SAMPLES		values rounded LAB. PHYSICAL PROPERTIES spectral gamma counts inferred radioelement contents					
subsamples to ~250 g		K %	eU ppm	eTh ppm	derived API units	total count 500-2810 keV wide band counts per minute per gm	
		(K40 is ~0.012% of K)	(U238) equiv.	(Th232) equiv.			
2001		0.242	0.06	0.0	5	0.092	
2002		0.333	0.0	0.0	5	0.074	
2003		0.537	0.0	1.97	17	0.336	
2004		0.469	0.04	2.29	19	0.292	
2005		0.031	0.0	0.6	3	0.059	
2006		1.018	0.62	6.93	52	0.86	
2007		5.02	6.25	11.7	195	3.059	
4001		0.334	0.0	0.34	7	0.107	
4002		0.234	0.0	0.65	5	0.108	
4003		0.062	0.42	1.79	12	0.191	
4004		1.346	1.14	9.63	74	1.216	
4005		3.097	0.97	2.99	80	1.101	

Appendix 4
Geophysical Survey Reports

Appendix 4a

Aeromagnetic Survey Logistics Report

WMC INTERNATIONAL LTD

*HIGH SENSITIVITY AEROMAGNETIC SURVEY
Kuujuaq Area, Nunavik, Qc*

*SURVEY REPORT
NTS Maps: 24A, 24B, 24F, 24G, 24H, 24J and 24K*

March 2001



WMC INTERNATIONAL LTD

**HIGH SENSITIVITY AEROMAGNETIC SURVEY
Kuujuaq Area, Nunavik, Quebec**

NTS Maps: 24A, 24B, 24F, 24G, 24H, 24J and 24 K

**SURVEY REPORT
Project Ref. 00A17-27**

By

SIAL GEOSCIENCES INC.

March 2001

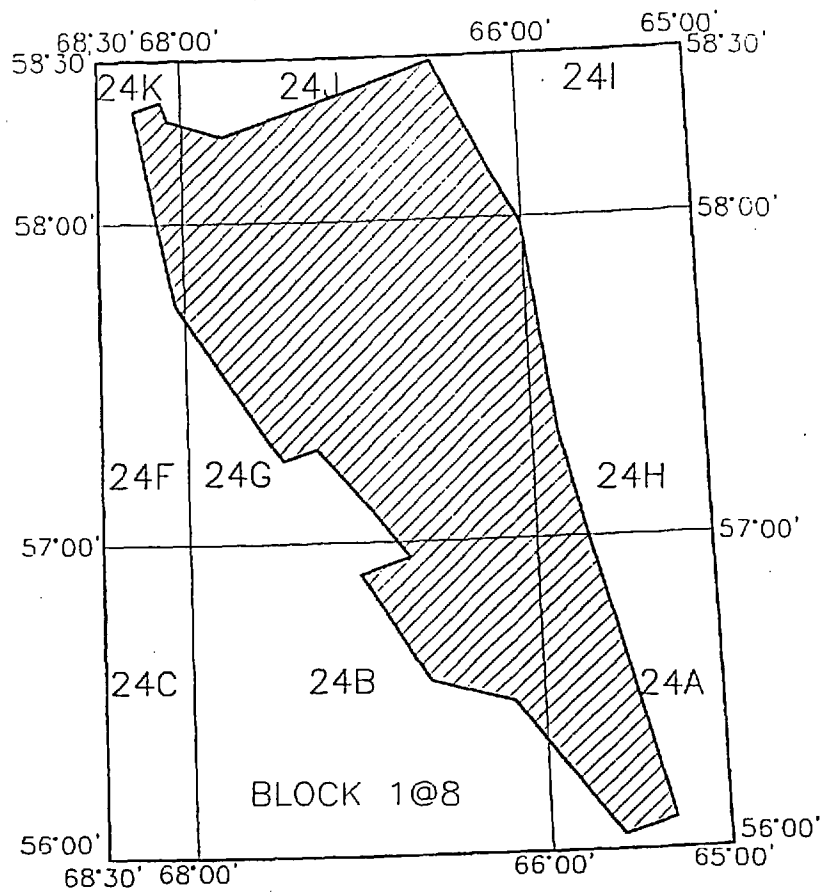


TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
2.0 SCHEDULE.....	3
3.0 PERSONNEL.....	3
4.0 SURVEY EQUIPMENT.....	4
4.1 AIRCRAFT.....	4
4.2 MAGNETOMETERS.....	4
4.2.1 Airborne magnetometer-gradiometer.....	4
4.2.2 Compensator.....	6
4.2.3 Ground magnetometer.....	6
4.3 POSITIONING SYSTEM.....	7
4.3.1 GPS Receiver.....	7
4.3.2 Altimeters.....	7
4.3.3 Video Camera.....	7
4.4 ACQUISITION SYSTEM.....	7
5.0 DATA PROCESSING.....	8
5.1 FLIGHT PATH.....	8
5.2 MAGNETIC DATA PROCESSING.....	8
6.0 SURVEY PRODUCTS.....	9
6.1 MAPS.....	9
6.2 DIGITAL DATA.....	9
6.3 OTHER PRODUCTS.....	9
7.0 CONCLUSION.....	10

APPENDIX A: FOM, LAG AND HEADING TESTS

APPENDIX B: CONTENTS OF CD-ROMS



WMC INTERNATIONAL LTD

BLOCK - 1 @ 8
 AIRBORNE SURVEY - KUJJUAQ, QC

FIGURE: 1 Block Location



SIAL Géosciences inc.

1.0 INTRODUCTION

This report describes the data acquisition and processing of a high sensitivity/high resolution fixed wing magnetic survey carried out for **WMC INTERNATIONAL LTD** by **SIAL Géosciences Inc.**

The survey area consisted of one block located near and to the East of Kuujjuaq, Northern Quebec, on the NTS map sheets 24A, 24B, 24F, 24G, 24H and 24 K. The base of operations was established at Kuujjuaq. Figure 1 shows the block location in latitude/longitude co-ordinates.

Survey flying started on October 25th, 2000 and was completed on January 30th, 2001. Preliminary data were delivered to **WMC INTERNATIONAL LTD** on a weekly basis. Final processed data (on CD-ROM) were delivered on February 16th, 2001.

A total of 62 620 line-km of airborne survey was flown on traverse lines oriented 70°, with a spacing of 400 metres and an aircraft ground clearance of 100 metres. The spacing between traverse lines never exceeded 50% of the nominal line spacing over a distance exceeding 2 km. No flight line separation are greater than 180% or less than 20% of the nominal line spacing. Tie-lines, 4 000 metres spaced, were flown in a direction perpendicular to traverse lines.

The primary goal of this project was to acquire high resolution geophysical data that will aid in the geological mapping and evaluation of the mining potential of the surveyed areas.

2.0 SCHEDULE

Mobilisation of the personnel and equipment was done from Montreal to Kuujuaq on October 22nd, 2000. Lag, FOM and Heading test were done on October 25th, 2000. Survey started on October 28th, 2000 and ended on January 30th, 2001.

3.0 PERSONNEL

Co-ordination and general management of the project were carried out by Mr. Mouhamed Moussaoui, Operation Manager for SIAL. The Scientific Authority was Mr. Andrew Boyd, Geophysicist for WMC INTERNATIONAL LTD. Mr. Boyd worked closely with SIAL to ensure that the work was carried out according to contract specifications.

Final data evaluation and processing was carried out at SIAL's office in Montreal by experienced SIAL's data processors. The survey and office crews consisted of the following permanent employees of SIAL:

TABLE 1: FIELD AND OFFICE CREW

POSITION	NAME
Project Manager	Mr. Mouhamed Moussaoui, P.Eng.
Field Geophysicist & data processing	Mr. Camille St-Hilaire, M.Sc.A., Geophysicist
Field Operator & Electronic Technician	Mr. Dominique Béland Mr. Kenneth Bernier
Pilot	Mr. Patrick Savage Mr. Gilles Graton Mr. Eric Picaud Mr. Hughes Thériault Mr. Thierry Gaillot
Office Data Processing	Mr. Camille St-Hilaire, M.Sc.A. Geophysicist Ms. Isabelle D'Amour, Geophysicist Mr. Roger Poirier, Geophysicist Ms. Sylvie Robillard, Technician CAD
Survey Report	Mr. Camille St-Hilaire, M.Sc.A, Geophysicist

4.0 SURVEY EQUIPMENT

4.1 Aircraft

Three Piper Navajo PA31-350, registrations C-GESC, C-GAKM and C-GXCI, equipped with a 10-foot stinger, owned and operated by SIAL was used. Figure 2 shows the configuration of the geophysical instruments in the aircraft.. The smooth topographic relief present in the survey area, resulted in no significant variations of aircraft velocity. Average flying speed was 75 metres/second. At this speed, the distance between magnetic field samples along survey lines was typically 7.5 metres.

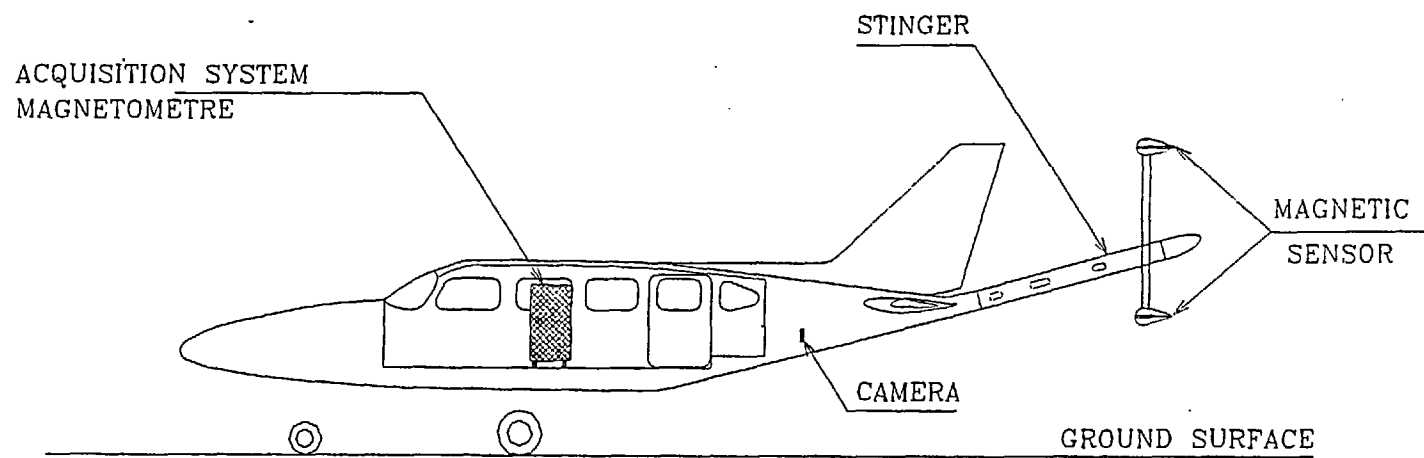
4.2 Magnetometers

4.2.1 Airborne magnetometer-gradiometer

The airborne magnetometer system consisted of a Geometrics G822A or a Scintrex CS-2 cesium-vapour, split-beam, total field sensors mounted at the aft of a non-magnetic tail-stinger gradiometer. Only the lower sensor was used with the following specifications:

Sensor static resolution:	better than 0.1 nT
In-flight sensitivity:	± 0.001 nT
Resolution:	± 0.01 nT
Absolute accuracy:	10 nT
Dynamic range:	20 000 - 100 000 nT
In-flight noise envelope:	< 0.5 nT
Sampling rate:	ten readings per second or approximately 7.5 metres
Heading error:	< 0.25 nT
Gradient tolerance:	10 000 nT/m

FIGURE 2 : MAGNETOMETER SYSTEM CONFIGURATION



4.2.2 Compensator

The aircraft generated magnetic field were compensated with a RMS AADCII (Automatic Aeromagnetic Digital Compensator) compensator (C-GAKM) and Picodas compensators (C-GXCI and C-GESC). Compensator units yielded digital signal correction of 18 to 30 terms based on the vector field components and their derivatives as measured by a 3-axis fluxgate sensor.

4.2.3 Ground magnetometer

A GEM GSM-19 overhauser base station magnetometer, located outside the village of Kuujjuaq, was used to monitor the fluctuations in the earth's magnetic field. The earth's magnetic field was measured every 3 seconds to record the diurnal activity. The base station was located in an area of low magnetic gradient and free of cultural interference.

Data were recovered daily and the diurnal corrections computed and applied to the survey data in order to produce preliminary maps for quality control. The airborne magnetometer and the base station were synchronised with accuracy better than 1.0 second. The technical specifications of the base station are:

Base station magnetometer:	GEM GSM-19 overhauser
Sensor static resolution:	better than 0.1 nT
Sensitivity:	±0.001 nT
Dynamic range:	20,000 - 95,000 nT
Noise envelope:	less than 0.1 nT
Recording interval:	3 seconds

4.3 Positioning System

4.3.1 GPS Receiver

In flight positioning was sampled at a rate of 1 hertz using a TRIMBLE-4000SE real-time differential GPS receiver system, in conjunction with an Omni-Star satellite-link and a PICODAS PNAV-4001 navigation console. The system enables data to be positioned to an absolute accuracy better than 5 metres. At least, 4 satellites were monitored at all times during the survey.

4.3.2 Altimeters

Terrain clearance was sampled each 0.2 second, using a KING KRA-10 radar altimeter. The radar altimeter recorded the ground clearance to an accuracy of 1 metre. Recordings were in both digital and analog form.

4.3.3 Video Camera

A vertically mounted continuous recording ELMO TSN272 colour video camera with a wide-angle lens recorded at all times the flight path terrain beneath the aircraft. The video camera recorded, in the top portion of each frame, the flight line number, fiducial, time and GPS generated X-Y UTM coordinates.

4.4 Acquisition System

A RMS DGR-33 and a Picodas data logging system with an on-board HDS60 graphical display data-acquisition system were used. These systems:

- Accepted digital data from the magnetometer, radar altimeter, time and raw GPS positions
- Produced a hard-copy graphic record (analog) of both coarse and fine scales data from the magnetometer, radar and barometric altimeters data, fiducial date and time

- Produced a digital machine-readable record of raw data on an external tape-drive

The analog records were of sufficient resolution to enable visual checks to be made of system performance. Two-second intervals were indicated on the analog by means of short tics and fiducial numbers printed at 10-seconds intervals.

The data acquisition system was synchronised to GPS time through a one-second GPS pulse. Synchronisation was checked at the end of each day of survey.

5.0 DATA PROCESSING

5.1 Flight path

Flight path was recovered from the differential GPS X and Y data. It was verified daily to enable reflights to be called where needed.

5.2 Magnetic data processing

The aeromagnetic data was quality controlled using the fourth difference and edited as necessary. The base station magnetometer variations, lag and heading errors were removed from the entire data set. The resulting data were further levelled using tie lines and gridded **without any filtering** using the Random gridding algorithm supplied in the GEOSOFT software. The grid-cell size was 100 metres (1/4 of the line spacing). The International Geomagnetic Reference Field (IGRF) was removed from the total magnetic field.

No special processing were applied to the vertical gradient and the second derivative data.

6.0 SURVEY PRODUCTS

6.1 Maps

Only preliminary colour coded maps of the total magnetic field (IGRF removed), vertical gradient and second derivative, at a scale of 1:250 000, were delivered to **WMC INTERNATIONAL LTD.**

6.2 Digital Data

Two copies of a CD-ROM containing:

- Final processed data corrected for IGRF, diurnal variations, aircraft height, tie-line levelling and control point discrepancies
- Located data in an ASCII flat file format and a Geosoft GDB format
- Grids of total magnetic intensity and first vertical derivative
- A text file describing the data format and data contained.

All digital data were geo-referenced to the standard UTM-system for the area (NAD27).

6.3 Other Products

Three copies of this report have been finally produced and delivered to **WMC INTERNATIONAL LTD.**, accompanied with videotapes, analogs, and all information recorded during the course of the survey.

7.0 CONCLUSION

All airborne and ground-based records were of excellent quality and radar altitude tolerance was well respected.

Data acquisition was generally done in easy diurnal conditions. Although beneficial, diurnal corrections were not by itself effective enough to produce acceptable final maps. The remaining diurnal leveling error, that does not affect map and calculated gradient quality, is however estimated to be in the 1-3 nT range.

GPS results proved to be of high quality and very few intersection displacements were required. Most re-flights were caused by diurnal and bad GPS. The main causes of down-time were the weather and aircraft maintenance.

It is hoped that the information presented in this report and on the accompanying CD-ROM's will be useful both in planning subsequent exploration efforts and in the interpretation of related exploration data.

Respectfully Submitted,



Camille St-Hilaire, M.Sc.A.
Geophysicist

APPENDIX A
FOM, LAG AND HEADING TESTS

KUUJJUAQ QC, WMC, 2000
SIAL GEOSCIENCES INC.

C-GAKM, FOM TEST 1, Date : 2000/08/28
(test made in Montreal area)

NORTH (360⁰)	Fid range	Uncompensate d mag (nT)	Compensated Mag (nT)
PITCH	78696-78712	5.32	0.12
ROLL	78715-78725	0.40	0.07
YAW	78730-78740	0.40	0.08
TOTAL		6.12	0.27

SOUTH (180⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	78873-78890	0.64	0.33
ROLL	78893-78905	0.34	0.06
YAW	78909-78920	0.20	0.17
TOTAL		1.18	0.56

WEST (270⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	78786-78805	3.52	0.23
ROLL	78806-78817	0.72	0.08
YAW	78819-78834	1.11	0.13
TOTAL		5.35	0.44

EAST (90⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	78605-78622	1.78	0.19
ROLL	78622-78637	0.28	0.05
YAW	78638-78650	0.72	0.28
TOTAL		2.78	0.52

TOTAL VALUES	Uncompensated Mag (nT)	Compensated Mag (nT)
	15.43	1.79

**KUUIJUAQ QC, WMC, 2000
SIAL GEOSCIENCES INC.**

**C-GAKM, FOM TEST 2, Date : 2000/09/02
(test made above Ungava Bay)**

NORTH (360^o)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	69388-69408	4.71	0.16
ROLL	69411-69422	0.52	0.06
YAW	69423-69435	0.32	0.11
TOTAL		5.55	0.33

SOUTH (180^o)	Fid range	Uncompensated Mag (nT)	Compensated Mag (nT)
PITCH	69653-69669	1.36	0.08
ROLL	69675-69686	0.37	0.08
YAW	69688-69701	0.31	0.19
TOTAL		2.04	0.35

WEST (270^o)	Fid range	Uncompensated Mag (nT)	Compensated Mag (nT)
PITCH	69233-69251	3.16	0.23
ROLL	69254-69266	0.44	0.06
YAW	69272-69282	0.48	0.12
TOTAL		4.08	0.41

EAST (90^o)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	69507-69524	1.66	0.17
ROLL	69529-69539	0.37	0.12
YAW	69541-69551	0.53	0.22
TOTAL		2.56	0.51

TOTAL VALUES	Uncompensated mag (nT)	Compensated Mag (nT)
	14.23	1.60

KUUJJUAQ QC, WMC, 2000
SIAL GEOSCIENCES INC.

C-GAKM, FOM TEST 3, Date : 2000/10/24
(test made above Ungava Bay, after
electrical repairs on aircraft)

NORTH (360⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	242-262	3.24	0.11
ROLL	265-275	0.48	0.07
YAW	275-290	0.53	0.10
TOTAL		4.25	0.28

SOUTH (180⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	466-482	0.60	0.29
ROLL	484-496	0.20	0.12
YAW	498-508	0.08	0.11
TOTAL		0.88	0.52

WEST (270⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	127-146	2.77	0.16
ROLL	147-157	0.30	0.11
YAW	158-170	0.55	0.06
TOTAL		3.62	0.33

EAST (90⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	354-374	0.97	0.25
ROLL	375-386	0.22	0.05
YAW	388-400	0.23	0.18
TOTAL		1.42	0.48

TOTAL VALUES	Uncompensated mag (nT)	Compensated Mag (nT)
	10.17	1.61

KUUJJUAQ QC, WMC, 2000
SIAL GEOSCIENCES INC.

C-FESC, FOM TEST 1, Date : 2000/10/19
(test made in Montreal area)

NORTH (360⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	066-078	1.60	0.07
ROLL	080-089	0.31	0.05
YAW	090-102	0.96	0.07
TOTAL		2.87	0.19

SOUTH (180⁰)	Fid range	Uncompensated Mag (nT)	Compensated Mag (nT)
PITCH	115-125	1.02	0.36
ROLL	128-138	1.45	0.03
YAW	143-156	0.10	0.00
TOTAL		2.57	0.39

WEST (270⁰)	Fid range	Uncompensated Mag (nT)	Compensated Mag (nT)
PITCH	166-178	1.61	0.20
ROLL	179-189	2.42	0.01
YAW	190-199	0.52	0.12
TOTAL		4.55	0.33

EAST (90⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	010-021	2.39	0.07
ROLL	022-032	0.96	0.06
YAW	035-045	0.25	0.02
TOTAL		3.60	0.15

TOTAL VALUES	Uncompensated mag (nT)	Compensated Mag (nT)
	13.59	1.06

KUUJJUAQ QC, WMC, 2000
SIAL GEOSCIENCES INC.

C-FESC, FOM TEST 2, Date : 2000/10/25
(test above Ungava Bay)

NORTH (360⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	461-490	4.91	0.32
ROLL	494-509	2.51	0.34
YAW	512-525	0.48	0.25
TOTAL		7.90	0.91

SOUTH (180⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	300-325	2.49	0.11
ROLL	327-346	4.40	0.05
YAW	351-364	0.36	0.18
TOTAL		7.25	0.34

WEST (270⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	618-644	4.40	0.35
ROLL	647-664	5.17	0.28
YAW	667-680	0.74	0.11
TOTAL		10.31	0.74

EAST (90⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	390-412	3.74	0.28
ROLL	416-433	1.15	0.00
YAW	439-450	0.76	0.18
TOTAL		5.65	0.46

TOTAL VALUES	Uncompensated mag (nT)	Compensated Mag (nT)
	31.11	2.45

KUUJJUAQ QC, WMC, 2000
SIAL GEOSCIENCES INC.

C-FXCI, FOM TEST 1, Date : 2000/12/01
(test made above Ungava Bay)

NORTH (360⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	98-120	3.23	0.43
ROLL	122-132	0.22	0.14
YAW	134-143	0.45	0.13
TOTAL		3.90	0.70

SOUTH (180⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	223-245	2.22	0.29
ROLL	247-258	0.69	0.15
YAW	263-272	0.30	0.11
TOTAL		3.21	0.55

WEST (270⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	155-178	4.46	0.39
ROLL	179-193	1.12	0.17
YAW	195-204	0.73	0.21
TOTAL		6.31	0.77

EAST (90⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	30-52	3.80	0.28
ROLL	54-64	0.37	0.04
YAW	67-77	0.69	0.24
TOTAL		4.86	0.56

TOTAL VALUES	Uncompensated mag (nT)	Compensated Mag (nT)
	18.28	2.58

KUUJJUAQ QC, WMC, 2001
SIAL GEOSCIENCES INC.

C-FXCI, FOM TEST 2, Date : 2001/01/07
(test made above Ungava Bay)

NORTH (360⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	434-463	5.00	0.42
ROLL	465-480	0.22	0.17
YAW	484-506	0.39	0.14
TOTAL		5.61	0.73

SOUTH (180⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	232-251	2.46	0.33
ROLL	258-272	0.78	0.21
YAW	275-294	0.58	0.14
TOTAL		3.82	0.68

WEST (270⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	329-357	4.71	0.27
ROLL	358-373	0.86	0.07
YAW	377-397	0.87	0.14
TOTAL		6.44	0.48

EAST (90⁰)	Fid range	Uncompensated mag (nT)	Compensated Mag (nT)
PITCH	531-556	3.10	0.36
ROLL	561-574	0.35	0.04
YAW	578-601	0.96	0.24
TOTAL		4.41	0.64

TOTAL VALUES	Uncompensated mag (nT)	Compensated Mag (nT)
	20.28	2.53

**KUUIJUAQ QC, WMC, 2000
SIAL GEOSCIENCES INC.**

C-FXCI, FOM TEST 2, Date : 2000/11/25

- MAG1 = RAW MAG, CMA1 = COMPENSATED MAG
- VALUES DETERMINED USING 6 SECONDS HIGHPASS FILTER.
- VALUES DETERMINED USING THE MAX PEAK TO PEAK MANEUVERS.

NORTH (360°)	FID	MAG1	CMA1
PITCH	899.0-901.5	6.14	0.06
ROLL	909.5-911.6	0.45	0.01
YAW	923.8-925.6	0.76	0.00
TOTAL		7.35	0.07

SOUTH (180°)	FID	MAG1	CMA1
PITCH	646.7-649.0	1.86	0.12
ROLL	661.2-662.7	0.72	0.03
YAW	671.3-672.6	0.58	0.02
TOTAL		3.16	0.17

WEST (270°)	FID	MAG1	CMA1
PITCH	789.2-791.5	5.21	0.29
ROLL	804.7-805.8	0.32	0.05
YAW	815.7-816.8	0.97	0.01
TOTAL		6.50	0.35

EAST (90°)	FID	MAG1	CMA1
PITCH	559.4-561.4	1.82	0.02
ROLL	574.7-576.2	0.78	0.03
YAW	587.9-589.5	0.66	0.14
TOTAL		3.26	0.19

TOTAL VALUES	MAG1	CMA1
	20.27	0.78

AIRBORNE GEOPHYSICAL SURVEY

LAG TEST

Project: 00-A17-27 Pilot: G. Graton, P. Savage
Location: Kuujuaq Operator: D. Béland; K. Bernier
Client: WMC Compiled by: G. Tessier

Aircraft: C-GAKM; C-GXCI; C-GESC

Lags employee for WMC survey (GEOSOFT sign convention: +lag: opposite to flight direction)

LAG TEST: WMC INTERNATIONAL LTD.			
TYPE	C-GESC	C-GXCI	C-GAKM
MAG	-0.8	-0.8	Lagpps 0.0
BARO	-0.6	-0.8	Lagpps +0.9
RADAR	-0.6	-0.6	Lagpps +0.5

$Lagpps = hppsr - hppst + (hmer - hrms)$

KUUJJUAQ QC, WMC, 2000

C-GAKM, ALTIMETER TEST 1 , Date: 2000/09/02

Fid range	Nominal radar altitude (feet)	Corrected baro altitude (m)	GPS altitude (m)	Radar altitude (m)	GPS topo (m)
67080-67103	200	62.3	48.4	45.4	+2.9
67122-67145	300	90.7	75.7	74.1	+1.6
67171-67194	400	117.4	102.5	100.9	+1.5
67221-67244	500	168.3	152.5	151.9	+0.6
67260-67283	600	199.1	182.6	183.1	-0.4
67297-67320	700	221.1	204.1	205.3	-1.3
67342-67365	800	238.8	221.2	223.7	-2.5
67402-67425	1000	283.2	264.8	269.3	-4.4
67490-67513	1500	422.6	403.6	406.8	-3.2
67560-67583	2000	533.6	514.4	524.2	-9.8

Ground altitude:

Above Ungava Bay

Transformation constants:

Radar : 141.5 m/V

Baro : 213.7 m/V

Baro corrections:

Reference: Kuujjuaq airport (122 feet MSL)

Pre-flight: -0.0759 V (-16.2 m)

Post-flight: -0.3059 V (-65.4 m)

Radar test at lakeshore:

<u>Fiducial</u>	<u>Radar alt</u>	<u>Jump</u>
70226	180 m	none
70339	180 m	none
70845	170 m	none
70856	170 m	none
71018	160 m	none
71032	160 m	none

ALTIMETER CALIBRATION

(Above Ungava Bay)

AIRCRAFT

C-GXCI

DATE:

00-10-24

C-FESC Raw altimeters						C-FESC Adjusted altimeters						
zgps (m)	raw ralt (ft)	raw balt	a (ralt)	b (ralt)	raltadj	a (balt)	b (balt)	baltadj	zgps cor	ralt cor	baro cor	baro err
36.74	191.89	325.91	0.331652	-25.7013	37.93941	0.32418	-67.1137	38.5399	56.74	63.63072	105.66	48.92002
99.62	376.67	508.99			99.22205			97.89081	119.62	124.9038	165.0146	45.39456
199.17	678.63	819.24			199.3677			198.4677	219.17	225.0337	265.5976	46.42761
248.87	825.28	975.38			248.0044			249.0852	268.87	273.6628	316.2182	47.3482
308.44	1004.67	1160.51			307.4995			309.1007	328.44	333.1486	376.2373	47.79734
460.81	1467.52	1625.7			461.0045			459.9061	480.81	486.6296	527.0519	46.24194
601.5	1892.99	2064.51			602.1125			602.1596	621.5	627.7155	669.3141	47.81414

NOTES

ZGPS=ZGPS + 20m (ELLIPS to MSL)
 raltc=raltrow * 0.3316
 baltc=baltrow * 0.3242



SIAL

ALTIMETER CALIBRATION

(Above Ungava Bay)

AIRCRAFT: C-GXCI

DATE: 00-12-01

zgps (m)	raw ralt	raw balt	piste corr	piste balt	raltadj (m)	ralterr (m)	baltadj (m)	balterr (m)	ralt gauge (feet)	raltadj (feet)
61.1	154.9	-19843	-31	-19874	62.0	0.86	52.3	-8.82	200	203.2
128.6	332.5	-19668	-31	-19699	133.0	4.40	122.6	-6.01	400	436.2
224.4	568.3	-19424	-31	-19455	227.3	2.92	220.6	-3.78	600	745.6
297.2	749.7	-19247	-31	-19278	299.9	2.68	291.7	-5.46	800	983.6
355.0	868.0	-19097	-31	-19128	347.2	-7.80	352.0	-3.00	1000	1138.8
300.8	746.1	-19211	-31	-19242	298.4	-2.36	306.2	5.40		
240.0	600.0	-19366	-31	-19397	240.0	0.00	243.9	3.93		
179.6	449.2	-19518	-31	-19549	179.7	0.08	182.9	3.26		
120.6	311.8	-19656	-31	-19687	124.7	4.12	127.4	6.81		
59.8	158.2	-19807	-31	-19838	63.3	3.48	66.7	6.95		

raw ralt a b a used b used
 0.409631 -5.594345 0.4 0

piste balt a b
 0.401767 8037.0777 0.401767 8037



TSIB

AEROMAGNETIC SYSTEM CALIBRATION RANGES AT BOURGET, ONTARIO

Project: KUJJUAQ Qc, 2000 (WMC)

Aircraft: Piper Navajo C-GAKM

Date: August 28th, 2000

Company: SIAL Geosciences Inc

Height Flown: 500 feet (nominal)

Magnetometer: GEOMETRIC G-340

Sampling rate: 0.1 secs

Data Acquisition system: RMS DGR-33/AADC comp.

Compiled by: G. Tessier

Flight Direction Across the Crossroad	GMT Time (sec)	Fiducial (secs)	Total Field Value (nT) T1	UTM E WGS-84 Position	UTM N WGS-84 Position	Radar Altitude (feet)	Interpolated Observatory Reading (nT) T4	Calculated Observatory Value T5 = T4 - C*	Error Value T6 = T1 - T5
NORTH	22:29:38	80978.9	55644.824	490066	5032247	597	56194.957	55640.129	+ 4.695
SOUTH	22:33:22	81202.8	55644.914	490051	5032243	627	56195.992	55641.520	+ 3.395
EAST	22:16:38	80198.9	55641.445	490061	5032239	562	56194.379	55639.117	+ 2.328
WEST	22:12:03	79924.2	55631.957	490060	5032245	530	56185.398	55629.766	+ 2.191
NORTH	22:37:10	81431.3	55640.152	490077	5032245	541	56190.973	55635.465	+ 4.688
SOUTH	22:40:49	81649.6	55634.012	490056	5032248	563	56185.406	55630.367	+ 3.645
EAST	22:25:14	80714.6	55640.352	490064	5032245	563	56192.883	55637.641	+ 2.711
WEST	22:20:27	80427.5	55641.699	490060	5032255	570	56195.211	55640.047	+ 1.652

C* is the difference in the total field between the Blackburn value (O) and the value (B) at the point above the crossroads at a given height
Blackburn Observatory: 1000 feet, C = (O-B) + 550 nT; 500 feet, 556 nT (for this test, interpolated according to radar data).

Total: + 25.305nT

Average North-South Heading Error (T6 North - T6 South) = +1.172 nT

Average East-West Heading Error (T6 East - T6 West) = +0.598 nT

Total/Number of Passes = +3.163 nT

Crossing UTM E (WGS-84) = 490063

Crossing UTM N (WGS-84) = 5032247



SIAL

AEROMAGNETIC SYSTEM CALIBRATION RANGES AT BOURGET, ONTARIO

Project: KUJJUAQ Qc, 2000 (WMC)

Aircraft: Piper Navajo C-FXC1
 Company: SIAL Géosciences Inc.
 Magnetometer: Geometrics G822A Cesium Vapour
 Data Acquisition system: PDAS 1000

Date: 25/11/2000
 Height Flown: 500 ft
 Sampling rate: 0.1 s
 Compiled by: Sarah Forté

Flight Direction Across the Crossroad	Time that the aircraft was over the road (sec) GMT	Total Field Value Recorded during the aircraft was over the Crossroad T1	Observatory Diurnal Reading at Previous Minute i.e. H+M T2	Observatory Diurnal Reading at Subsequent Minute i.e. H+(M+1) T3	Interpolated Observatory Diurnal Reading at time H+M+S $T4 = T2 + S(T3 - T2)$ 60	Calculated Observatory Value T5 = T4 - C	Error Value T6 = T1 - T5
EXAMPLE	20:34:40 Z	56840.4 nT	57397.5 nT	57398.3 nT	57398.0 nT	56842.0 nT	-1.6 nT
NORTH	15:27:14	55533.7	56089.7	56089.7	56089.7	55533.7	0.0
SOUTH	15:35:23	55532.6	56089.1	56089.0	56089.1	55533.1	-0.5
EAST	15:01:35	55534.2	56089.8	56089.5	56089.6	55533.6	0.6
WEST	15:04:52	55532.5	56089.3	56089.1	56089.1	55533.6	-0.6
NORTH	15:37:45	55533.5	56089.5	56089.5	56089.5	55533.5	0.0
SOUTH	15:40:05	55532.7	56090.2	56089.9	56090.2	55534.2	-1.5
EAST	15:07:55	55533.0	56089.3	56089.5	56089.5	55533.5	-0.5
WEST	15:16:32	55534.1	56089.6	56089.5	56089.5	55533.5	0.6

* C is the difference in the total field between the Blackburn or Meanook Observatory value (O) and the value (B) at the point above the crossroads at a given height
 Blackburn Observatory: 1000 feet, C = (O-B) + 550 nT; 500 feet, 556 nT
 Meanook Observatory: 1000 feet, C = (O-B) + 0 nT; 500 feet, 0 nT

Total -1.9 nT



SIAL

Average North-South Heading Error (T6 North - T6 South) = 1.0 nT
 Average East-West Heading Error (T6 East - T6 West) = -0.3 nT
 Total/Number of Passes = 0.23 nT

AEROMAGNETIC SYSTEM CALIBRATION RANGES AT BOURGET, ONTARIO

Project: KUUJJUAQ Qc, 2000 (WMC)

Aircraft: C-FESC	Date: Oct. 19 th , 2000
Company: SIAL Geosciences Inc.	Height Flown: 500'
Magnetometer: Scintrex CS-2	Sampling rate: 0.1 s
Data Acquisition system: PDAS	Compiled by: Saleh ElMoussaoui

Flight Direction Across the Crossroad	Time that the aircraft was over the road (sec) GMT	Total Filed Value Recorded during the aircraft was over the Crossroad T1	Observatory Diurnal Reading at Previous Minute i.e. H + M T2	Observatory Diurnal Reading at Subsequent Minute i.e. H + (M + 1) T3	Interpolated Observatory Diurnal Reading at Time H + M + S $T4 = \frac{T2 + S(T3 - T2)}{60}$	Calculated Observatory Value $T5 = T4 - C$	Error Value $T6 = T1 - T5$
EXEMPLE	20:34:40 Z	56840.4 nT	57397.5 nT	57398.3 nT	57398.0 nT	56842.0 nT	-1.6 nT
NORTH	21:25:12.3	55578.157	56127.8	56128.6	56128.13	55572.13	+ 6.03
SOUTH	21:29:44.9	55578.891	56129.8	56130.9	56130.35	55574.35	+ 4.54
EAST	21:43:30.0	55581.123	56133.3	56132.7	56132.87	55576.87	+ 4.25
WEST	21:47:39.4	55582.492	56135.4	56134.5	56134.69	55578.69	+ 3.80
NORTH	21:34:55.1	55583.292	56136.5	56136.7	56136.62	55580.62	+ 2.67
SOUTH	21:38:35.7	55581.953	56132.8	56134.6	56133.96	55577.96	+ 3.99
EAST	21:51:22.7	55581.535	56137.7	56133.2	56133.85	55577.85	+ 3.69
WEST	21:55:33.1	55581.746	56133.7	56133.2	56133.24	55577.24	+ 4.51

C is the difference in the total field between the Blackburn or Meanook Observatory value (O) and the value (B) at the point above the crossroads at a given height.

Blackburn Observatory : 1000 feet, C = (O-B) + 550 nT; 500 feet, 556 nT

Meanook Observatory : 1000 feet, C = (O-B) + 0 nT; 500 feet, 0 nT

Average North-South Heading Error (T6 North - T6 South) = +0.09 nT

Average East-West Heading Error (T6 East - T6 West) = -0.19 nT

Total/Number of Passes = +4.19 nT

Note: recomputed following heading error correction applied to original data.

Total + 33.48nT



SIAL

APPENDIX B

CONTENTS OF CD-ROMS

CD-ROM: FILES & ARCHIVED DATA
WMC INTERNATIONAL LTD

Kuujuaq Area, Nunavik, Quebec

SIAL GEOSCIENCES INC.

March 2001

FILES

\KUUJJUAK.ZIP	Compressed Magnetic data in Geosoft .XYZ format (ASCII flat file)
\KUUJJUAK.GDB	Geosoft database file containing located magnetic data
\FINMAG.GRD \FINMAG.ZON	Geosoft grid file of the total magnetic field
\FINGRAD.GRD \FINGRAD.ZON	Geosoft grid file of the vertical gradient of the total magnetic field
\FINGRAD2.GRD \FINGRAD2.ZON	Geosoft grid file of the second derivative of the total magnetic field

ARCHIVED DATA

Line number convention

Line: x-----: Line code L) Line/traverse T) Tie/control line
 -xxx--: Line number
 ----x-: Line segment
 -----x: Direction code 1) north 2) east 3) south 4) west

Kuujuuak.xyz and Kuujuuak.gdb

FORMAT	UNITS	DESCRIPTION
F9.1	m	X (NAD 27 / NUTM 19)
F9.1	m	Y (NAD 27 / NUTM 19)
F8.1		Fiducial number
I6		Line number
I4		Flight number
F9	yyyymmdd	Date
F10.1	seconds	Time
F10.6	dec. deg.	Latitude coordinate (NAD 27)
F11.6	dec. deg.	Longitude coordinate (NAD 27)
F10.3	nT	Raw compensated total magnetic field
F10.3	nT	Total magnetic field; Levelled, lag+base and IGRF corrected
F10.3	nT	Diurnal
F10.3	nT	International geomagnetic reference field (2000)
F6.1	m	Radar altimeter
F6.1	m	Barometric altimeter
F6.1	m	GPS elevation
F6.1	m	Levelled topography

Appendix 4b

Airborne EM Survey Logistics Report

SURVEY OPERATIONS

Location of the Survey Area

The survey area was flown in Northern Quebec, Canada. It is bound by latitudes 54°58' N to 58°20' N and longitudes 64°59' W to 68°17' W (see figure 1).

Kuujuuaq (Phases I and III) and Shefferville (Phase II) were used as the bases of operations to conduct the survey.

Survey Coverage

The survey consists of sixteen blocks covered by traverse lines and tie-lines. Blocks 1 – 5, 6A and 6B were flown during Phase I from Kuujuuaq; Shefferville South and Shefferville North blocks were flown at Phase II, and blocks 7 – 13 were flown from Kuujuuaq at Phase III. Line and tie-line directions, spacing, as well as size of the flown blocks are shown in Table 1. In all, 41,320 line kilometres of data were collected.

Table 1

BLOCK	LINE DIRECT.	LINE SPACING	TIE-LINE DIRECT.	TIE-LINE SPACING	SIZE
1	NE070	200 m	Varies	Varies	6,044 l km
2	NE070	200 m	Varies	Varies	3,530 l km
3	NE070	200 m	Varies	Varies	4,103 l km
4	NE070	200 m	Varies	Varies	573 l km
5	NE070	200 m	Varies	Varies	506 l km
6A	NE045	300 m	Varies	Varies	177 l km
6B	NE045	200 m	Varies	Varies	145 l km
Shefferville North	SE135	300 m	Varies	Varies	2,660 l km
Shefferville South	SW165	300 m	Varies	Varies	3,886 l km

Table 1 (continues)

BLOCK	LINE DIRECT.	LINE SPACING	TIE-LINE DIRECT.	TIE-LINE SPACING	SIZE
7	NE060	300 m	Varies	Varies	7,875 l km
8	NE070	300 m	Varies	Varies	1,370 l km
9	NE070	300 m	Varies	Varies	3,792 l km
10	NE070	300 m	Varies	Varies	1,853 l km
11	NE070	300 m	Varies	Varies	2,327 l km
12	NE050	300 m	Varies	Varies	1,707 l km
13	NE050	300 m	Varies	Varies	772 l km

Aircraft and Geophysical On-Board Equipment

Aircraft CASA C-212 twin turbo-prop.
 Operator FUGRO AIRBORNE SURVEYS CORPORATION
 Registration C-GDPP
 Survey Speed 125 knots / 145 mph / 65 m/sec.
 Magnetometer Scintrex CS-2 single cell caesium vapour, towed-bird installation, sensitivity = 0.01 nT¹, sampling rate = 0.1 sec., ambient range 20,000 to 100,000 nT. The general noise envelope was kept below 0.5 nT. Nominal sensor height of 75 metres above ground.
 Electromagnetic system GEOTEM multicoil system

System parameters

Transmitter: vertical axis loop of 231 m²,
 number of turns : 5
 nominal height above ground of 120 metres.
Receiver: multicoil system (x, y and z) with a final recording rate of 4 samples/second, for the recording of 20 channels of x, y and z-coil data. Nominal height

¹ One gamma is equivalent to the S.I. unit nanotesla (nT).

above ground of 70 metres, placed 125 m behind the centre of the transmitter loop.

Base frequency: 30 Hz
Pulse width: 6,280 μ s
Pulse delay: 130 μ s
Off-time: 10,286 μ s
Point value: 43 μ s
Transmitter: Current of 490 amperes;
dipole moment $6.9 \times 10^5 \text{Am}^2$.
Receiver: Window mean delay times in microseconds
from the end of the pulse:

channel 1: -6098	channel 11: 1367
channel 2: -4991	channel 12: 1822
channel 3: -3059	channel 13: 2387
channel 4: -1128	channel 14: 3038
channel 5: -22	channel 15: 3797
channel 6: 195	channel 16: 4665
channel 7: 347	channel 17: 5642
channel 8: 520	channel 18: 6748
channel 9: 737	channel 19: 8028
channel 10: 1020	channel 20: 9505

Digital Acquisition
Analogue Recorder

FUGRO AIRBORNE SURVEYS GEODAS.

RMS GR-33, showing the total magnetic field at 2 vertical scales, the radar and barometric altimeters, the time-constant filtered traces of the X coil channels 9-20, and the on-time channel 1, the raw traces of the X and Z-coil channel 9 and 20, the EM primary field, the power line monitor, the 4th difference of the magnetics, the X-coil earth's field monitor and the fiducials.

Barometric Altimeter
Radar Altimeter

Rosemount 1241M, sensitivity 1 foot, 1 sec. recording interval.
King, accuracy 2%, sensitivity one foot, range 0 to 2,500 feet, 1 sec. recording interval.

Camera
Electronic Navigation

Panasonic colour video, super VHS, model WV-CL302.
Sercel GPS receiver NR103, 1 sec. recording interval, with a resolution of 0.00001 degree and an accuracy of ± 5 m.

Base Station Equipment

Magnetometer:

Scintrex CS-2 single cell cesium vapour, mounted in a magnetically quiet area, measuring the total intensity of the earth's magnetic field in

units of 0.01 nT at intervals of 0.5 second, within a noise envelope of 0.20 nT.

GPS Receiver: SERCEL NR103 V2.3, measuring all GPS channels, for up to 10 satellites.
Computer: Toshiba laptop, model T4600, 33 MHz, 486.
Converter: Picodas, model MEP710 3/10901 GTS 780008.
Battery Backup.

Field Office Equipment

Computers: Dell Inspiron 7500 Pentium III laptop with 20 GB hard drive.
DAT Tape Drive: Seagate 4 mm.
Hard Drive: Removable hard drive.
Printer: Hewlett Packard Deskjet 680C.

Re-flight Specifications

Altitude: The survey was flown at a mean terrain clearance of 120 metres. No deviations +/- 20 m from nominal over > 3 km.

Line Spacing: No deviations more than 70 m from theoretical over a distance > 3 km. No deviations more than 120 m from theoretical at any given point. Line spacing never to exceed 1.5 times nominal over > 3 km.

Diurnal Variation: Acceptable variations were limited to 10 nT deviations over a chord of 60 sec.

Noise Levels: The noise envelope on the magnetic data was not to exceed +/- 0.25 nT during straight and level flying. The noise envelope on the raw EM channel 20 was not to exceed +/- 3,500 (+/- 2,000 for Phase III flying) pT/s on the both X and Z-coils over a distance greater than 3000 m, as displayed on the raw analogue traces. Atmospheric noise bursts must never become frequent enough to interfere with data processing or interpretation.

Field Operations

The base of field operations during Phases I, III was Kuujuaq, and Shefferville at Phase II.

Field Crew

Pilots: V. Easterbrook, P. Colleran, M. Williston, A. Capyk,
D. Wiens, N. Fieldsend, M. Stevens.
Electronics Operators: L. Denner, J. Wojcicki
Engineer: J. Robb

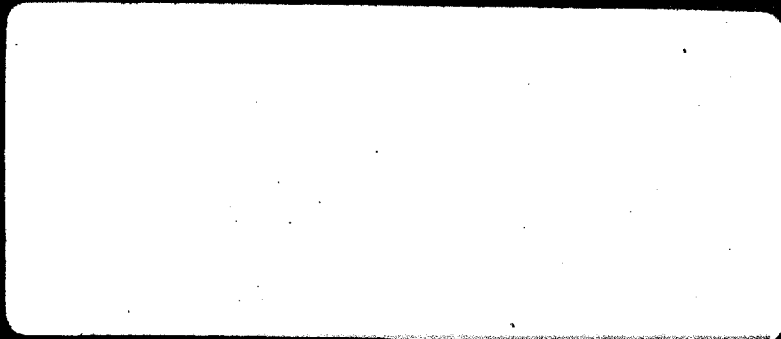
Geophysicist: Y. Kroupoderov, S. Hefford, N. Shepherd
Crew chiefs: Y. Kroupoderov, N. Shepherd, M. Williston

Production Statistics

Total production: 41,320 l km
Number of production flights: 111
Hours of production flying: 430 hours
Number of km/hour of production flying: 96.1 km/hour
Number of km/average production flight: 372.3 km
Number of hours/average production flight: 3.9 hours.

Appendix 4c

UTEM Survey Logistics Report



LAMONTAGNE

**GEOPHYSICS LTD
GEOPHYSIQUE L.TEE**

**Logistics Report
UTEM 3 Survey
Papavoine Area,
Quebec
for
WMC International Limited**

LAMONTAGNE

**GEOPHYSICS LTD
GÉOPHYSIQUE LTEE**

May, 2001

Robert Sinclair, BSc. Geophysics

CONTENTS

Introduction.....	2
Survey Design.....	6
Field Work.....	7
Survey Results.....	8

Figures

Figure 1: Grid Location Map.....	3
Figure 2: Surface Loop Location Map.....	4
Figure 3: BH Loop Location Map.....	5

Appendices

Appendix A.....	UTEM Profiles
Appendix B.....	Production Diary
Appendix C.....	The UTEM System
Appendix D.....	Note on sources of anomalous Ch1

INTRODUCTION

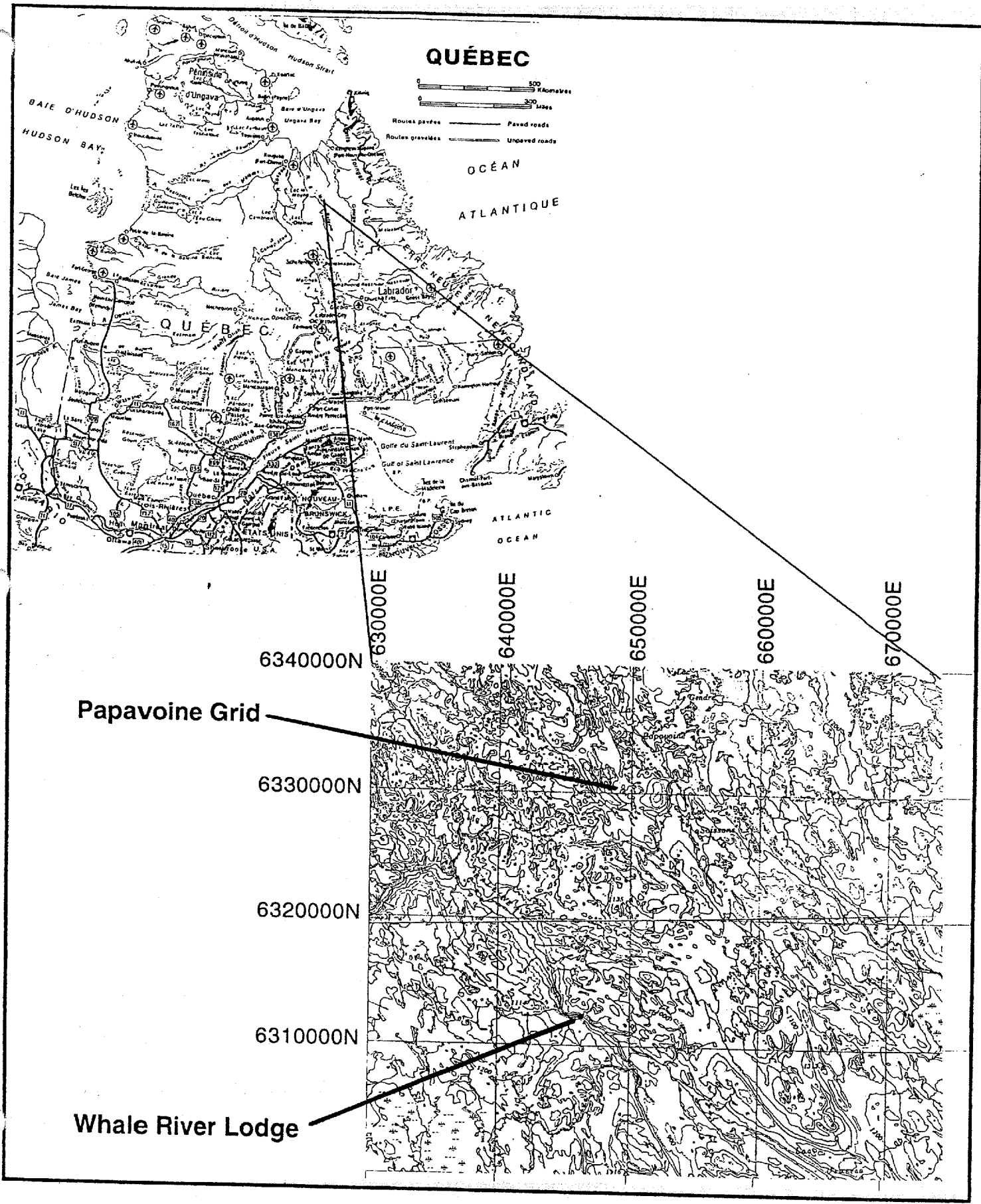
A UTEM survey was conducted at the Papavoine Area, Quebec for WMC International Limited. between March 30th and May 8th, 2001. Personnel employed by Lamontagne Geophysics conducted the survey on behalf of the client. The survey comprised of surface UTEM3 and borehole BHUTEM3 survey. The surface survey was designed to delineate conductors in the survey area and near the borehole.

A total of 55.85 kilometers of surface UTEM data was collected using the outside-the-loop configuration and seven drill holes were surveyed using the UTEM3 BH system. The one transmitter and one receivers operating in 3.976Hz, 10-channel mode was used for all of the survey with exception of the first two days of the survey when operating at 30.974Hz was used for loop 1. All lines were surveyed measuring one component (Hz - the vertical component) also a second component was measured (Hx-along line horizontal component) for lines from loop 2,3,5,6,7,8,9 and 10.

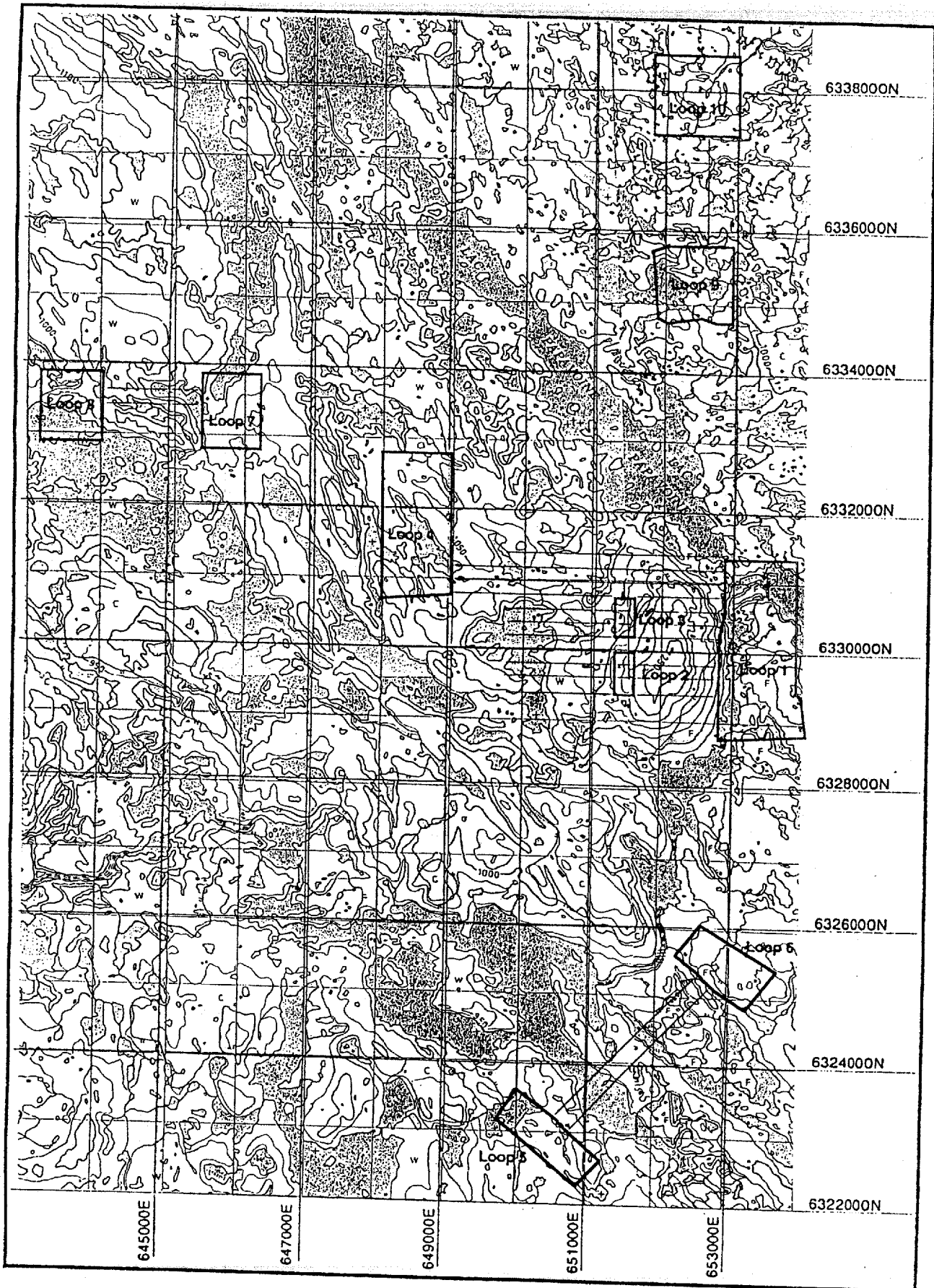
The lines were surveyed at a line spacing of 200m-600m with a station spacing of 50m, which was reduced to 25m where it was deemed necessary for interpretation..

This report documents the UTEM survey in terms of logistics, survey parameters field personnel. The appendixes are as follows:

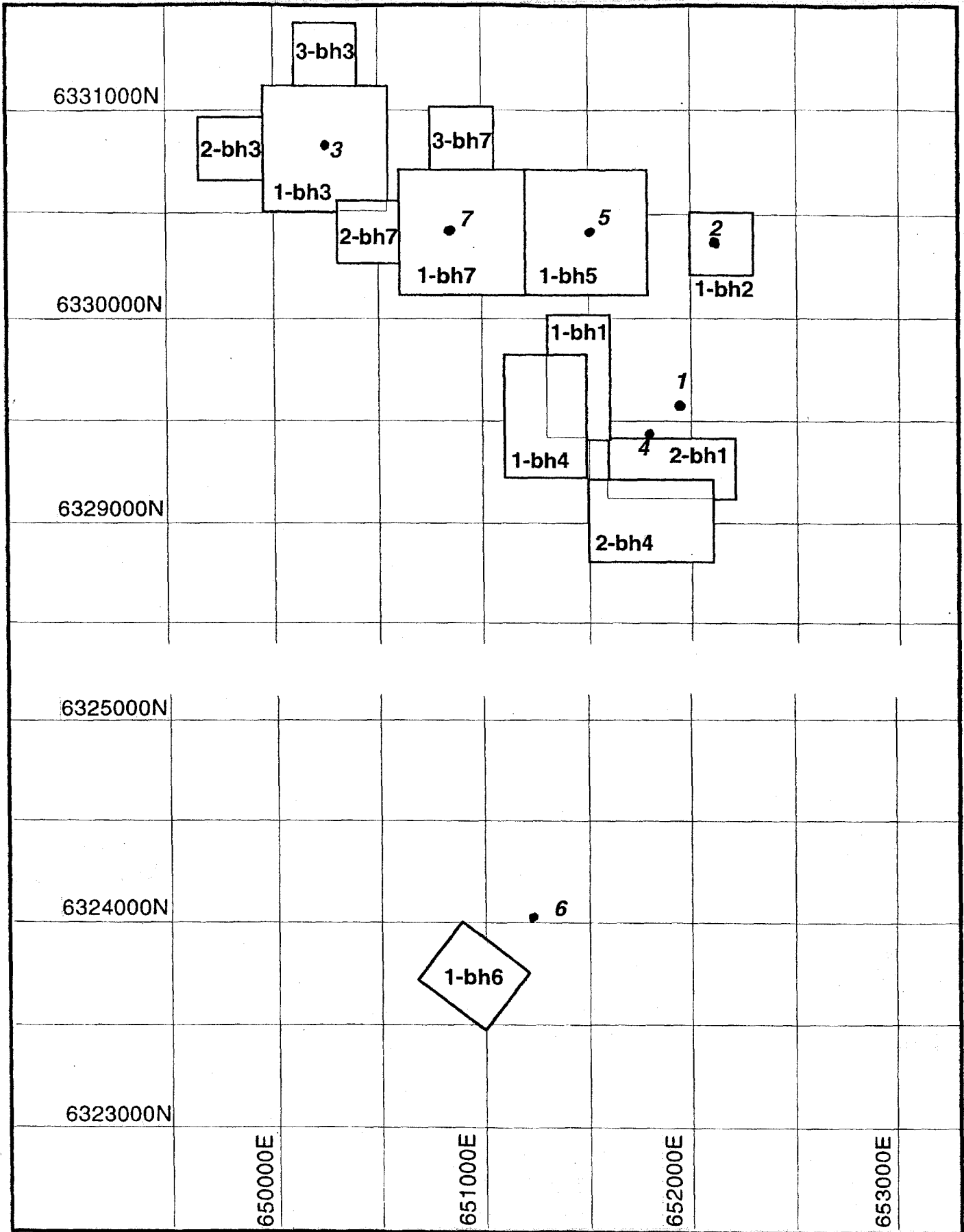
- UTEM Profile Data (Appendix A)
- Production Diary (Appendix B)
- an outline of the UTEM System (Appendix C)
- Note on sources of anomalous Ch1 (Appendix D)



Grid Location Map
Figure 1



Loop Location Map
figure 2



BH Loop Location Map
figure 3

SURVEY DESIGN

WMC personnel in consultation with Lamontagne personnel configured the survey loops with the depth and orientation of the expected target in mind. Transmitter loop locations, survey lines and drill hole locations are shown in Figure 2 and Figure 3.

The survey parameters employed for surface UTEM are:

- Loop configuration; 10 outside-the-loop,
- nominally 3kmx1km, 1kmx1km, 600mx300m transmitter loops
- line spacing of 200m-600m,
- station interval of 50m, reduced to 25m in anomalous areas
- Hz - vertical and Hx - horizontal component measurements
- 10-channel data at a frequency of 3.976Hz (some at 30.974Hz).
- one UTEM receiver

The survey parameters employed for BH UTEM are:

- Loop configuration; 1-3 per hole
- nominally 600mx600m, 600mx300m, 300mx300m transmitter loops
- station interval of 10m-20m, reduced to 5m in anomalous areas
- axial component measurements
- 10-channel data at a frequency of 3.976Hz (some at 30.974Hz).
- one UTEM receiver

In this survey topographical control was obtained by real time differential GPS survey conducted by WMC personnel. All the data is in UTM NAD27-Canada coordinate system.

FIELD WORK

The Lamontagne Geophysics crew carried out the survey over the period of March 30th to May 8th, 2001. Whale River Lodge located approximately 100km south-east of Kuujjuaq, Quebec was used as the base of operations.

The Papavoine Area is located 25 km north of the Whale River Lodge near the Papavoine Lake. (Figures 1). Transportation to the survey site was by helicopter (approximately 15 minute).

The crew mobilized on March 29th to Kuujjuaq by commercial airlines from Montreal then to the field camp by helicopter. The equipment had been sent earlier to Kuujjuaq and was at camp upon our arrival. The first loop was laid on March 30th and surveying commenced the next day. During the survey one of the Lamontagne employees was replaced due to an injury.

Surveying was completed on May 7th and the loops were picked up the following day. Further day-to-day details are outlined in Appendix B, the diary.

Survey equipment employed consisted of:

- UTEM 3 transmitter
- UTEM 3 receiver and coil.
- UTEM 3 BH probe

A field computer (Powerbook) was used for all reduction and plotting of the survey data while on site. Field data were reduced using UTM grid co-ordinates provided by WMC. This data was delivered to WMC personnel on a daily basis on site.

SURVEY RESULTS

The results of the survey are presented as UTEM profiles in Appendix A. The surface data have been plotted as continuously normalized data. The BH data have been plotted as both continuously normalized and as total field data.

A CD-ROM containing all the data has been included with the report. It contains in Geosoft format:

- Surface data continuously normalized

- Surface data point normalized

- BH data continuously normalized

- BH absolute field data

Appendix A

0118 UTEM Profiles

UTEM 3 Survey

Papavoine Area, Quebec

for

WMC International Limited

List of Data Collected and Plotted
Papavoine Area, Quebec

Vertical (Hz) component

	Line	coverage
Loop 1 (30Hz)	6329800 N	650400 E - 652900 E
	6330000 N	650450 E - 652900 E
	6330200 N	650750 E - 652200 E
	6329400 N	650500 E - 652750 E
	6329600 N	650500 E - 652750 E
Loop 1 (4Hz)	6329800 N	650400 E - 652900 E
	6330200 N	650300 E - 652775 E
	6330400 N	650100 E - 652875 E
	6330600 N	650000 E - 652800 E
	6330800 N	650000 E - 652825 E
	6331000 N	650000 E - 652825 E
	6331200 N	650450 E - 652850 E
	6331400 N	650450 E - 652850 E
Loop 2 (4Hz)	6329800 N	651650 E - 652350 E
	6329600 N	651650 E - 652300 E
Loop 3 (4Hz)	6330400 N	651650 E - 652700 E
	6330600 N	651650 E - 652750 E
Loop 4 (4Hz)	6330800 N	649050 E - 651000 E
	6331000 N	651650 E - 652700 E
	6331200 N	651650 E - 652750 E
Loop 5 (4Hz)	200	50 - 2900
	100	0 - 1900
Loop 6 (4Hz)	200	1350 - 2900
	100	750 - 2900
Loop 7 (4Hz)	6333500 N	644200 E - 645300 E
	6333300 N	644200 E - 645250 E
Loop 8 (4Hz)	6333300 N	644050 E - 645300 E
Loop 9 (4Hz)	652600 E	6335750 N - 6337050 N
Loop 10 (4Hz)	652000 E	6335750 N - 6337250 N

List of Data Collected and Plotted
Papavoine Area, Quebec

Horizontal (Hx) component

	Line	coverage
Loop 2 (4Hz)	6329800 N	651650 E - 652350 E
	6329600 N	651650 E - 652300 E
Loop 3 (4Hz)	6330400 N	651650 E - 652700 E
	6330600 N	651650 E - 652750 E
Loop 5 (4Hz)	200	50 - 2900
	100	0 - 1900
Loop 6 (4Hz)	200	1350 - 2900
	100	1500 - 2900
Loop 7 (4Hz)	6333500 N	644200 E - 645300 E
	6333300 N	644200 E - 645250 E
Loop 8 (4Hz)	6333300 N	644050 E - 645300 E
Loop 9 (4Hz)	652600 E	6335750 N - 6337050 N
Loop 10 (4Hz)	652000 E	6335750 N - 6337250 N

List of Data Collected and Plotted
Papavoine Area, Quebec

Down Hole Axial component

Hole 1 (4Hz) Loop 1-bh1
 Loop 2-bh1

Hole 2 (4Hz) Loop 1-bh2

Hole 3 (4Hz) Loop 1-bh3
 Loop 2-bh3
 Loop 3-bh3

Hole 4 (4Hz) Loop 1-bh4
 Loop 2-bh4

Hole 5 (4Hz) Loop 1-bh5

Hole 6 (4Hz) Loop 1-bh6

Hole 7 (4Hz) Loop 1-bh7
 Loop 2-bh7
 Loop 3-bh7

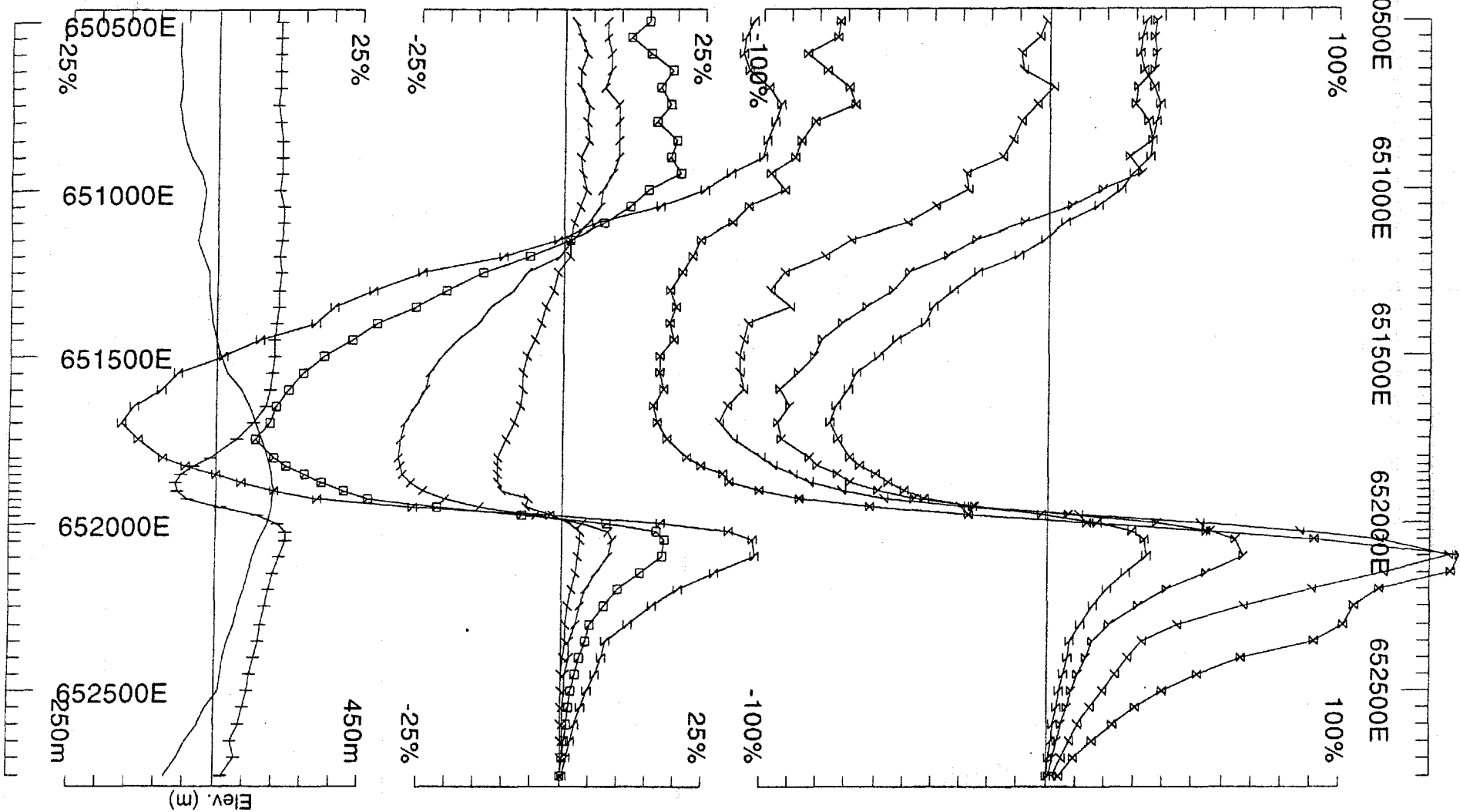
Loop 1

Hz Profiles (continuous norm)

@ 30.974 Hz

Loop 1

6329800 N	650400 E -	652900 E
6330000 N	650450 E -	652900 E
6330200 N	650750 E -	652200 E
6329400 N	650500 E -	652750 E
6329600 N	650500 E -	652750 E



Loop: 1

Line: 6329400N

Compt: Hz

Secondary, (Chn - Ch1)/|Hp|

Contin. Norm at depth of 0 m

Base Freq. 30.974 Hz

UTEM Survey at: Papavoine

For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD

GEOPHYSIQUE LTEE

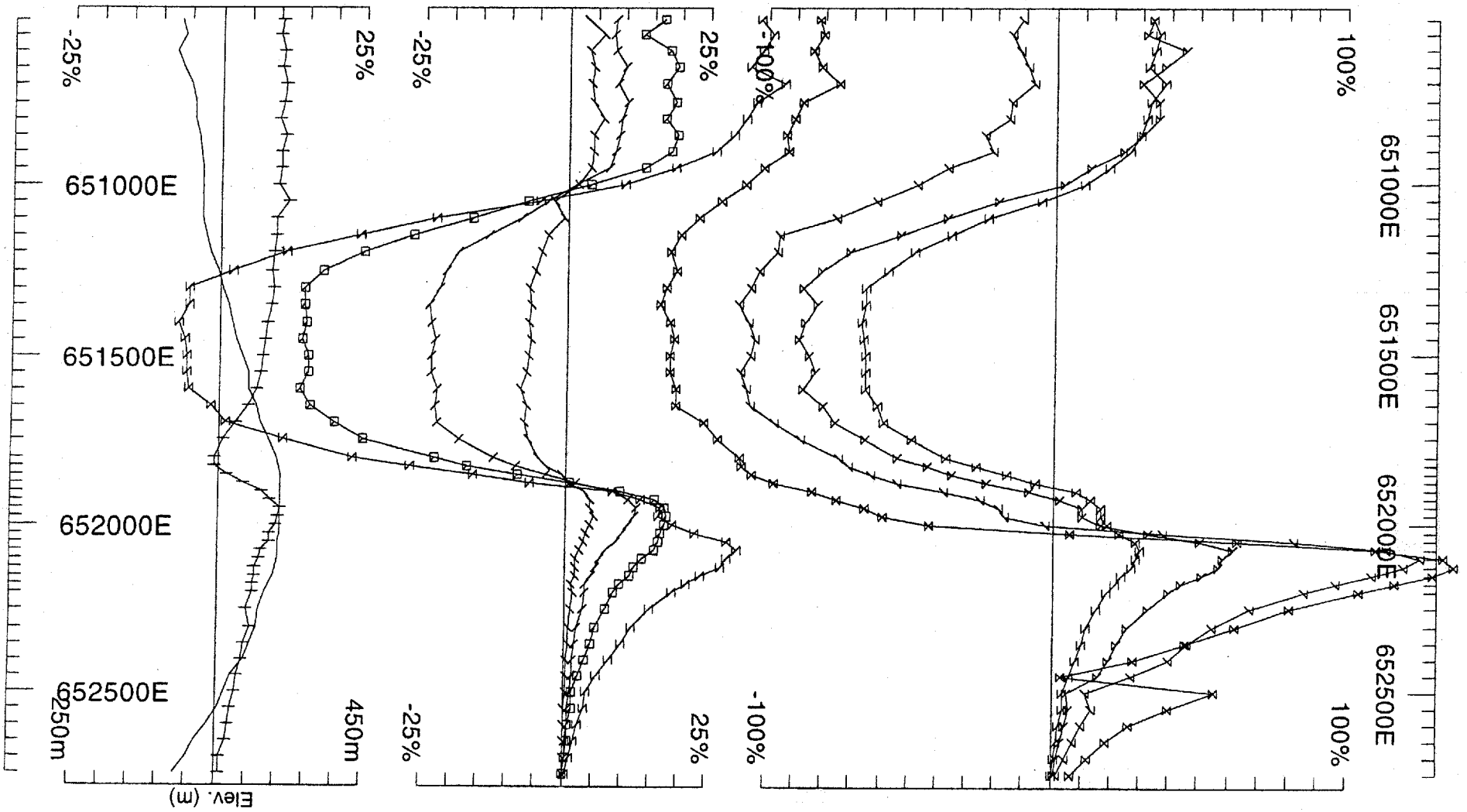
Job

0118

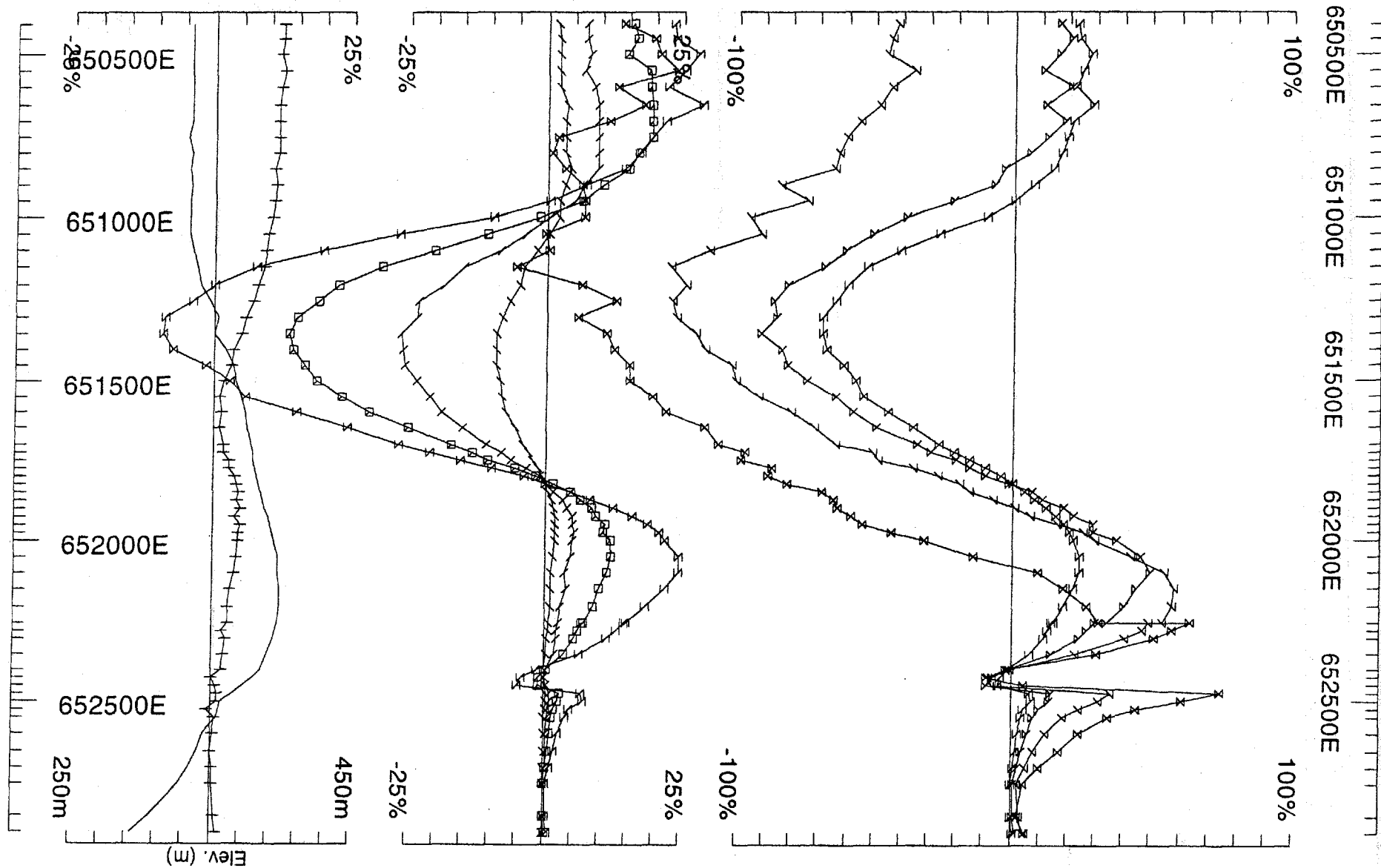
Surveyed : 7/2/46

Reduced : 18/5/1

Plotted : 18/5/1



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6329600N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 30.974 Hz	LAMONTAGNE	Job
			0118
		GEOPHYSICS LTD	Surveyed : 7/2/46
		GEOPHYSIQUE LTEE	Reduced : 18/5/1
			Plotted : 18/5/1



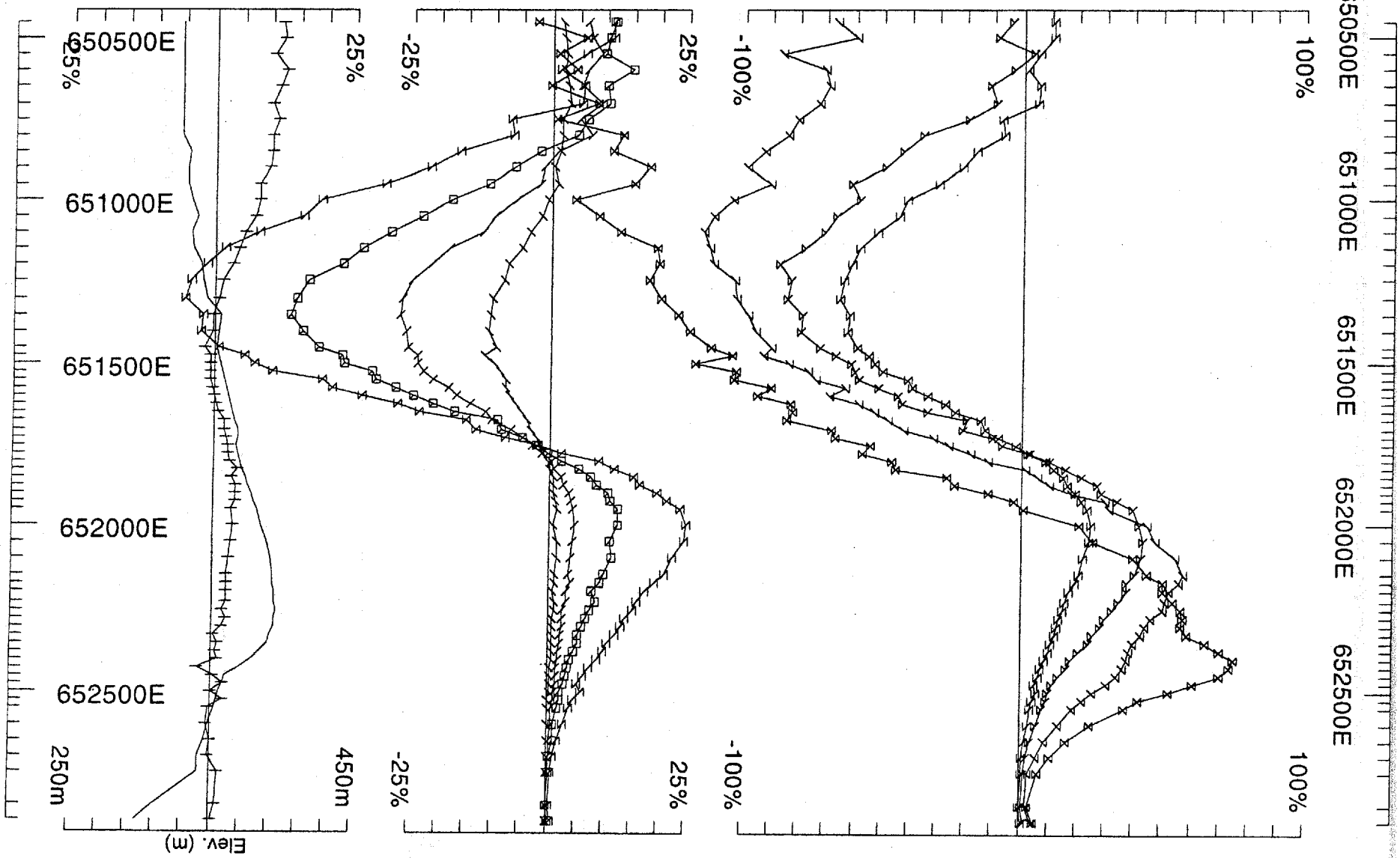
Loop: 1
 Line: 6329800N
 Compt: Hz

Secondary, $(\text{Chn} - \text{Ch1})/|H_p|$
 Contin. Norm at depth of 0 m
 Base Freq. 30.974 Hz

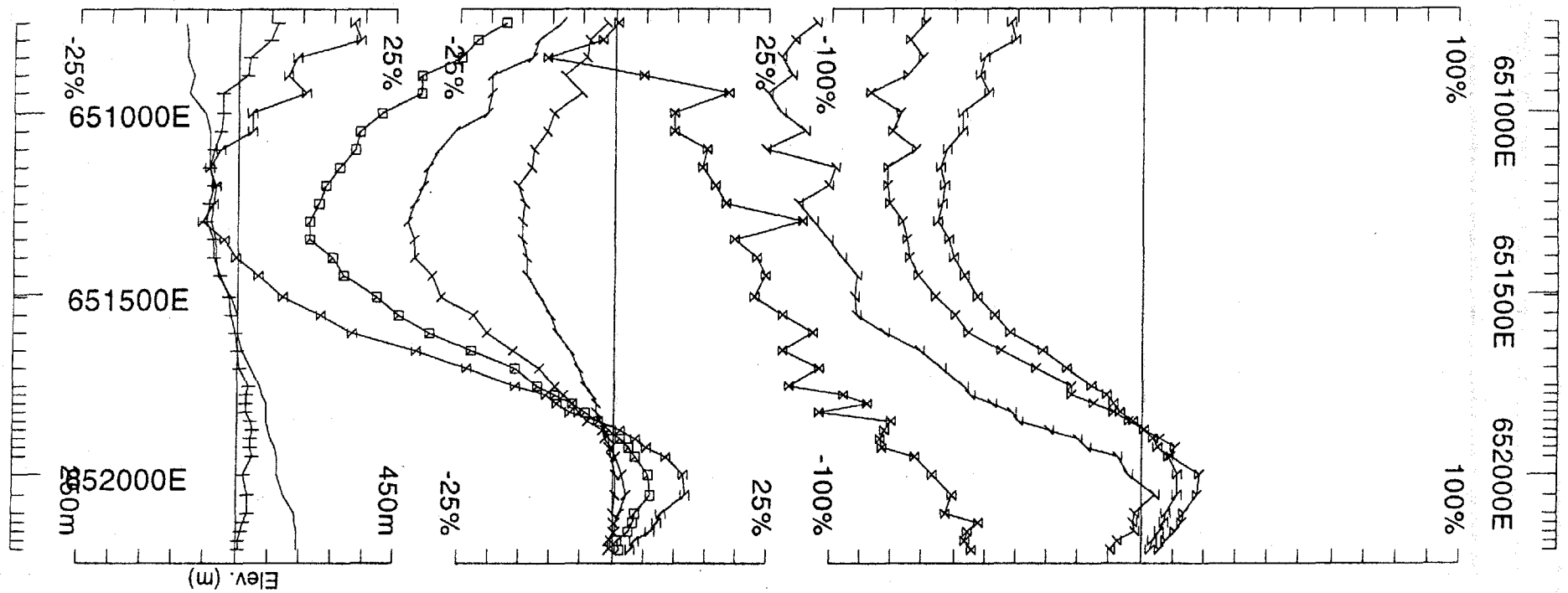
UTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job 0118
 Surveyed : 8/2/46
 Reduced : 18/5/1
 Plotted : 18/5/1



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6330000N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 30.974 Hz	LAMONTAGNE GEOPHYSICS LTD	Job
			0118
			Surveyed : 8/2/46
			Reduced : 18/5/1
			Plotted : 18/5/1



Loop: 1

Line: 6330200N

Compt: Hz

Secondary, $(\text{Chn} - \text{Ch1})/|\text{Hp}|$

Contin. Norm at depth of 0 m

Base Freq. 30.974 Hz

UTEM Survey at: Papavoine

For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD

GEOPHYSIQUE LTEE

Job

0118

Surveyed : 8/2/46

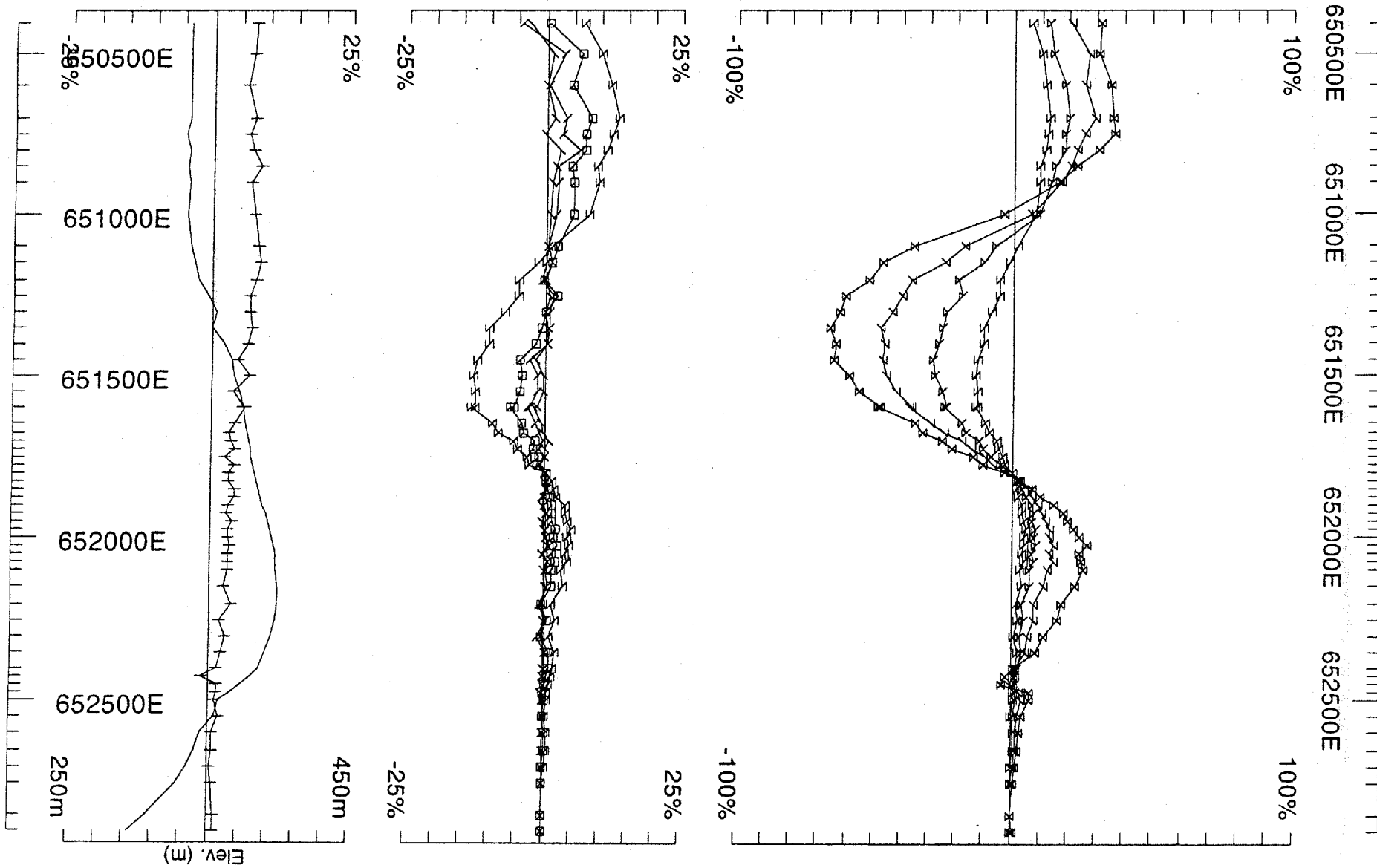
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Plotted : 18/5/1

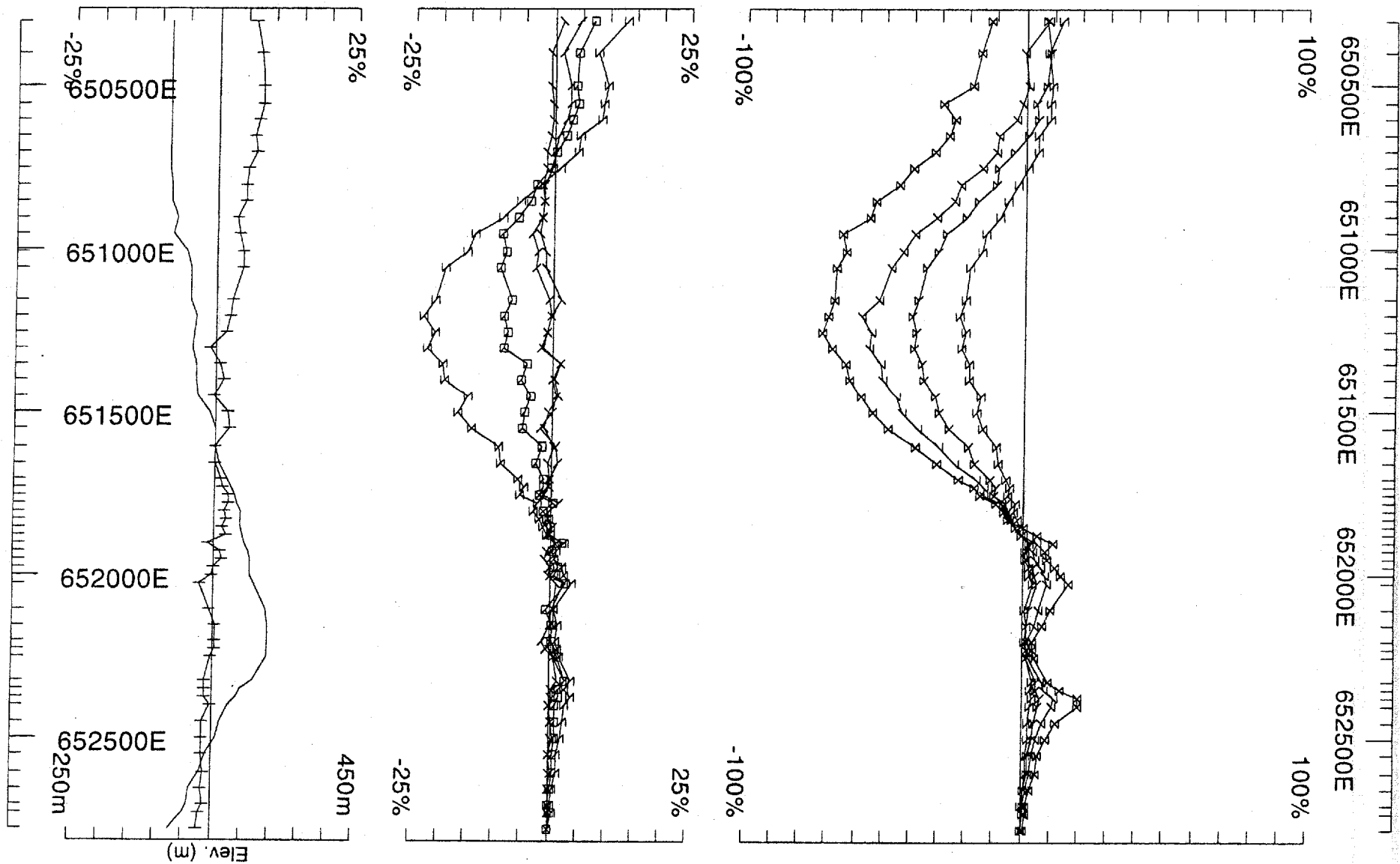
Loop 1
Hz Profiles
(continuous norm)

@ 3.976 Hz

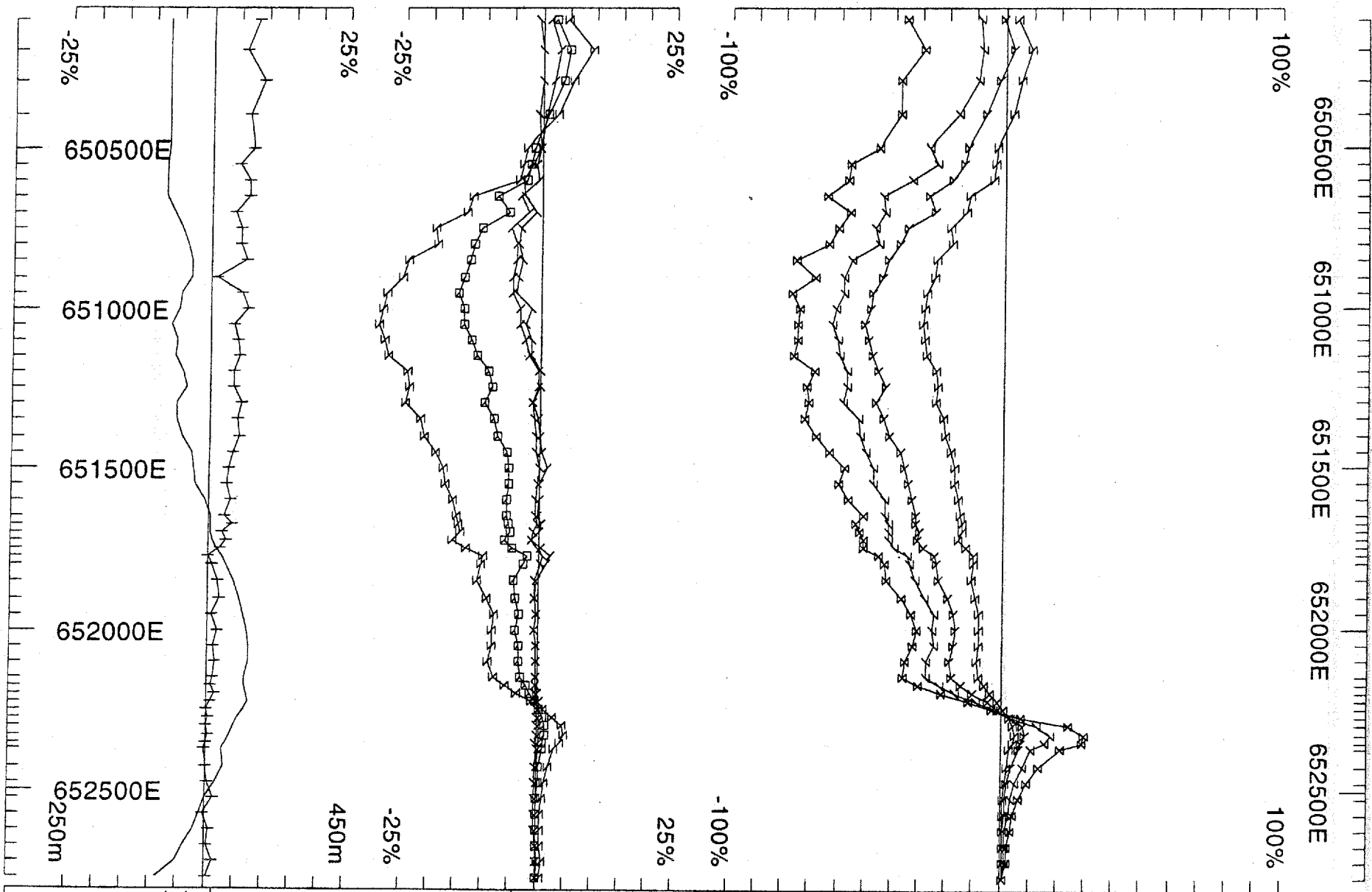
Loop 1 (4Hz)	6329800 N	650400 E -	652900 E
	6330200 N	650300 E -	652775 E
	6330400 N	650100 E -	652875 E
	6330600 N	650000 E -	652800 E
	6330800 N	650000 E -	652825 E
	6331000 N	650000 E -	652825 E
	6331200 N	650450 E -	652850 E
	6331400 N	650450 E -	652850 E



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6329800N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD GEOPHYSIQUE LTEE	Job 0118
			Surveyed : 10/2/46 Reduced : 18/5/1 Plotted : 18/5/1



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6330200N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD GEOPHYSIQUE LTEE	Job 0118
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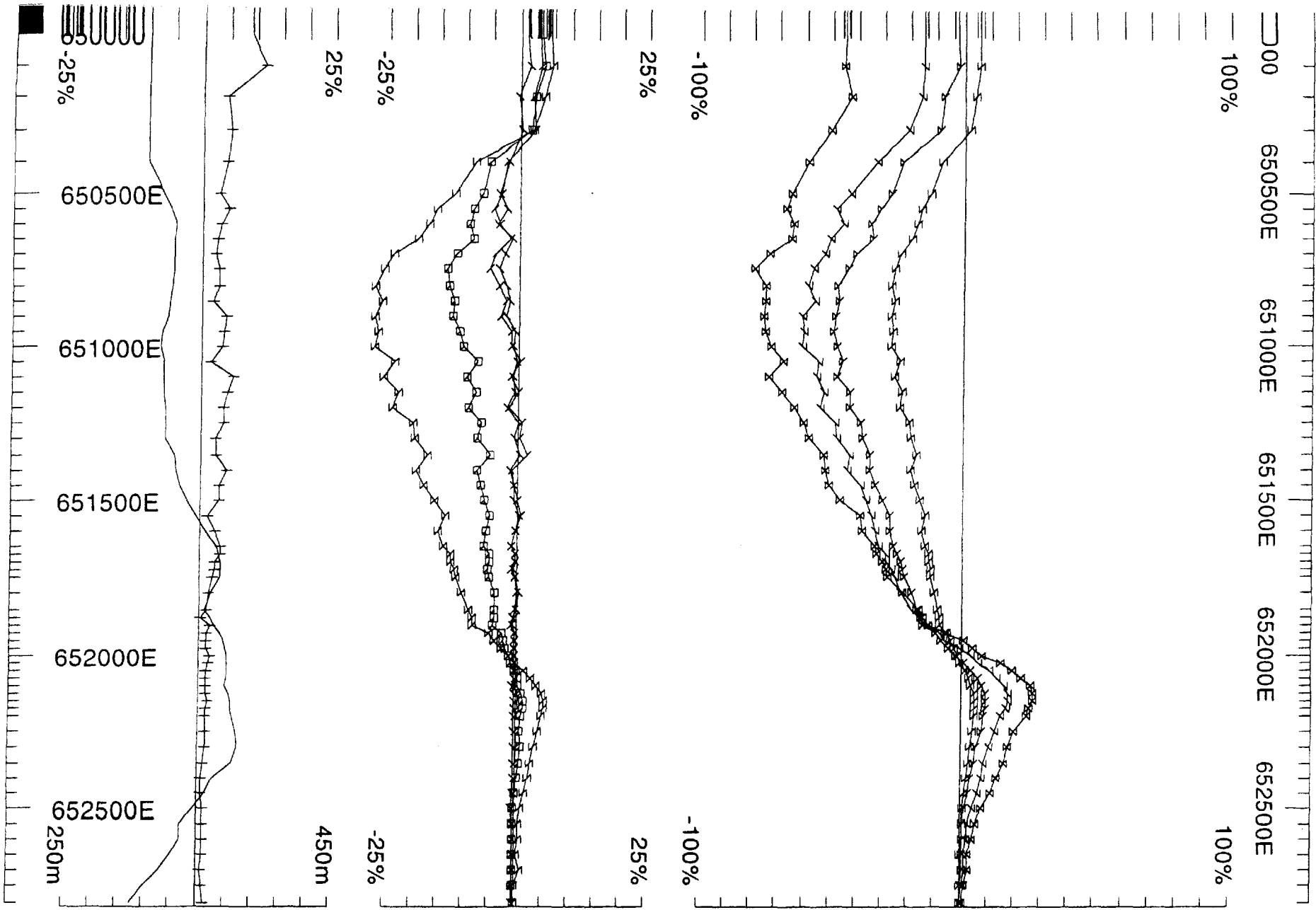
Loop: 1
 Line: 6330400N
 Compt: Hz

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

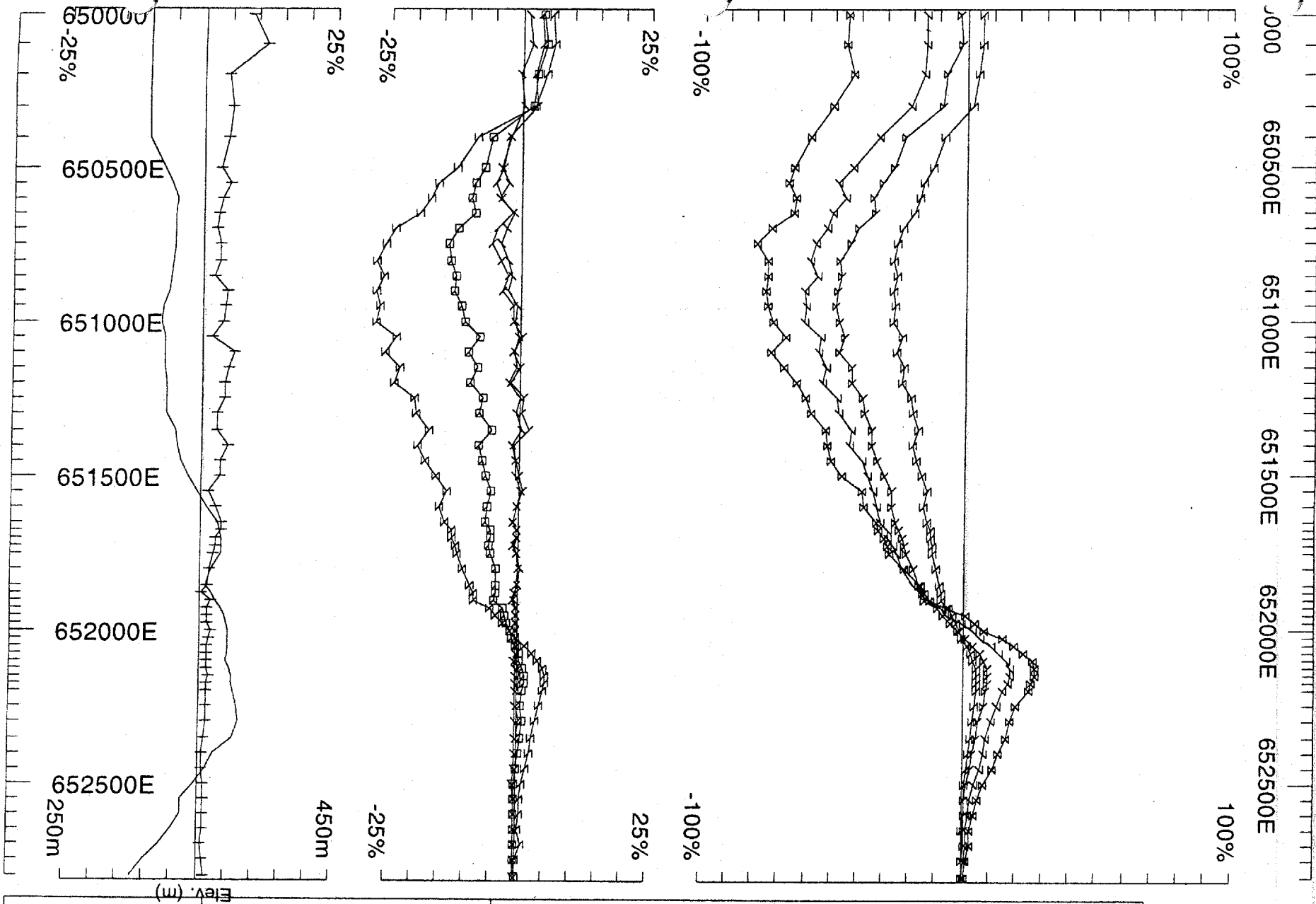
UTEM Survey at: Papavoine
For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

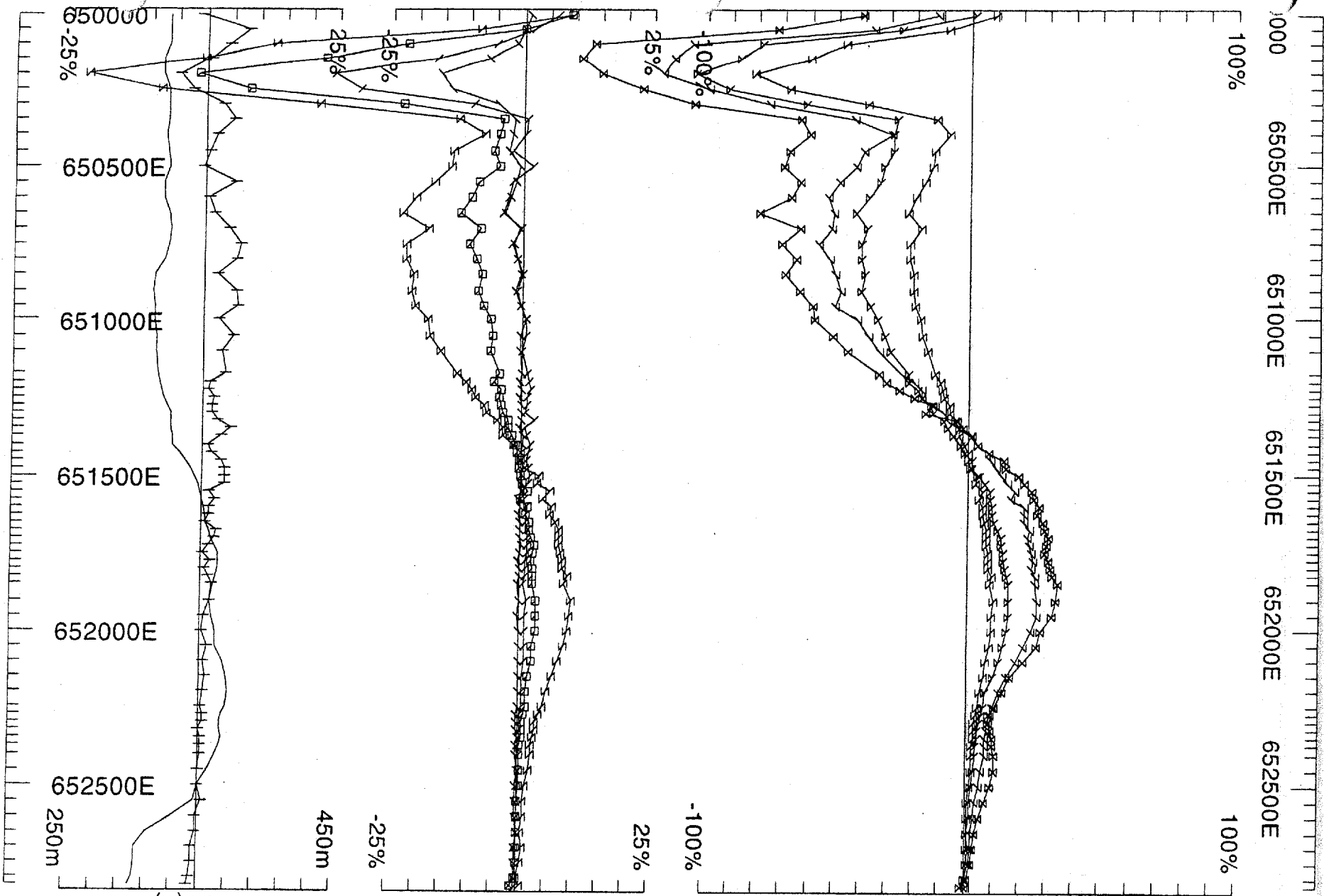
Job 0118
 Surveyed : 12/2/46
 Reduced : 18/5/1
 Plotted : 18/5/1



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6330600N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE	Job 0118
			Surveyed : 13/2/46 Reduced : 18/5/1 Plotted : 18/5/1



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6330600N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job
			0118
			Surveyed : 13/2/46
			Reduced : 18/5/1
			Plotted : 18/5/1



Loop: 1
 Line: 6330800N
 Compt: Hz

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

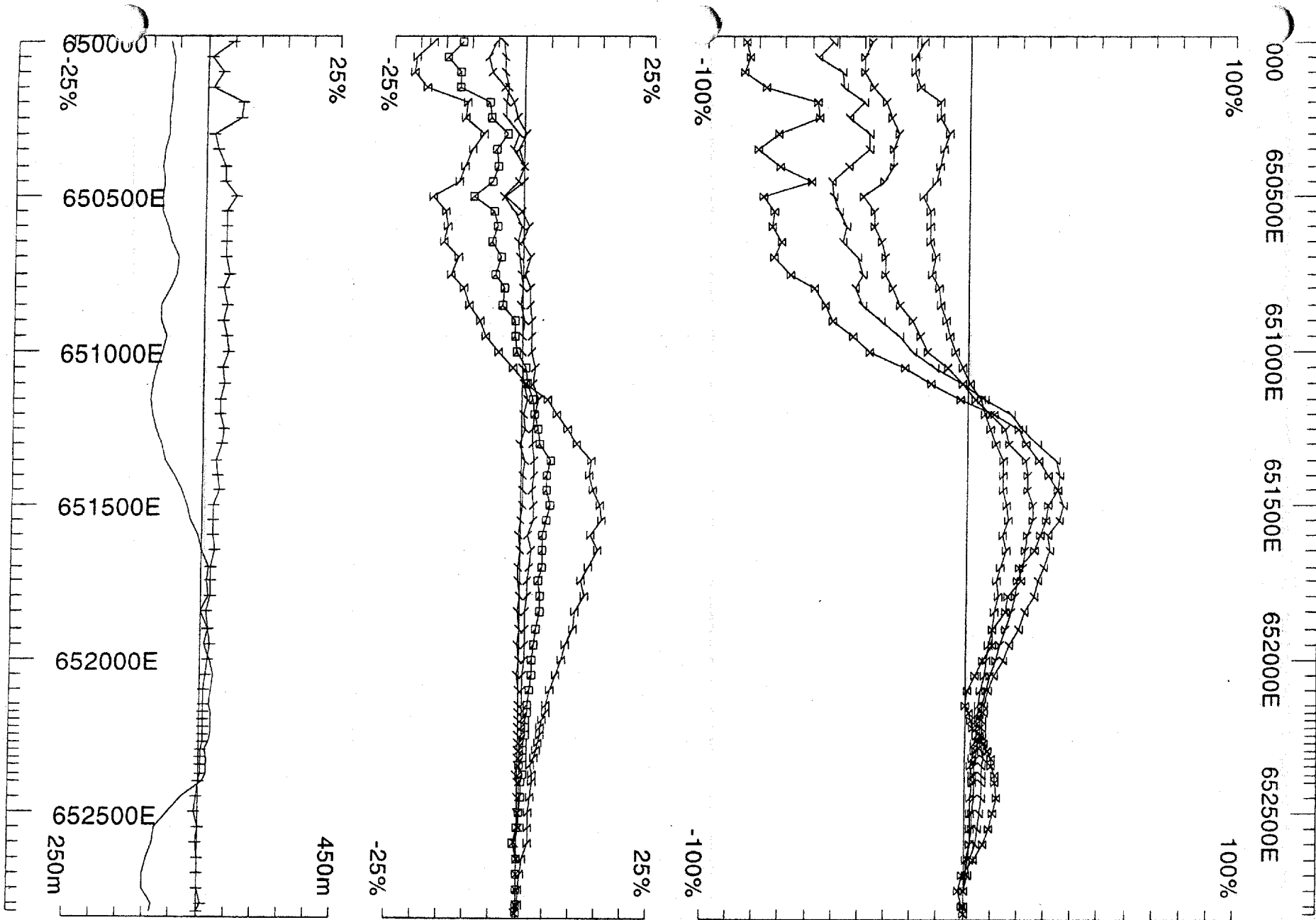
UTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job
 0118

Surveyed : 17/2/46
 Reduced : 18/5/1
 Plotted : 19/5/1



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6331000N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job
			0118
			Surveyed : 17/2/46
			Reduced : 18/5/1
			Plotted : 18/5/1

Elev. (m)

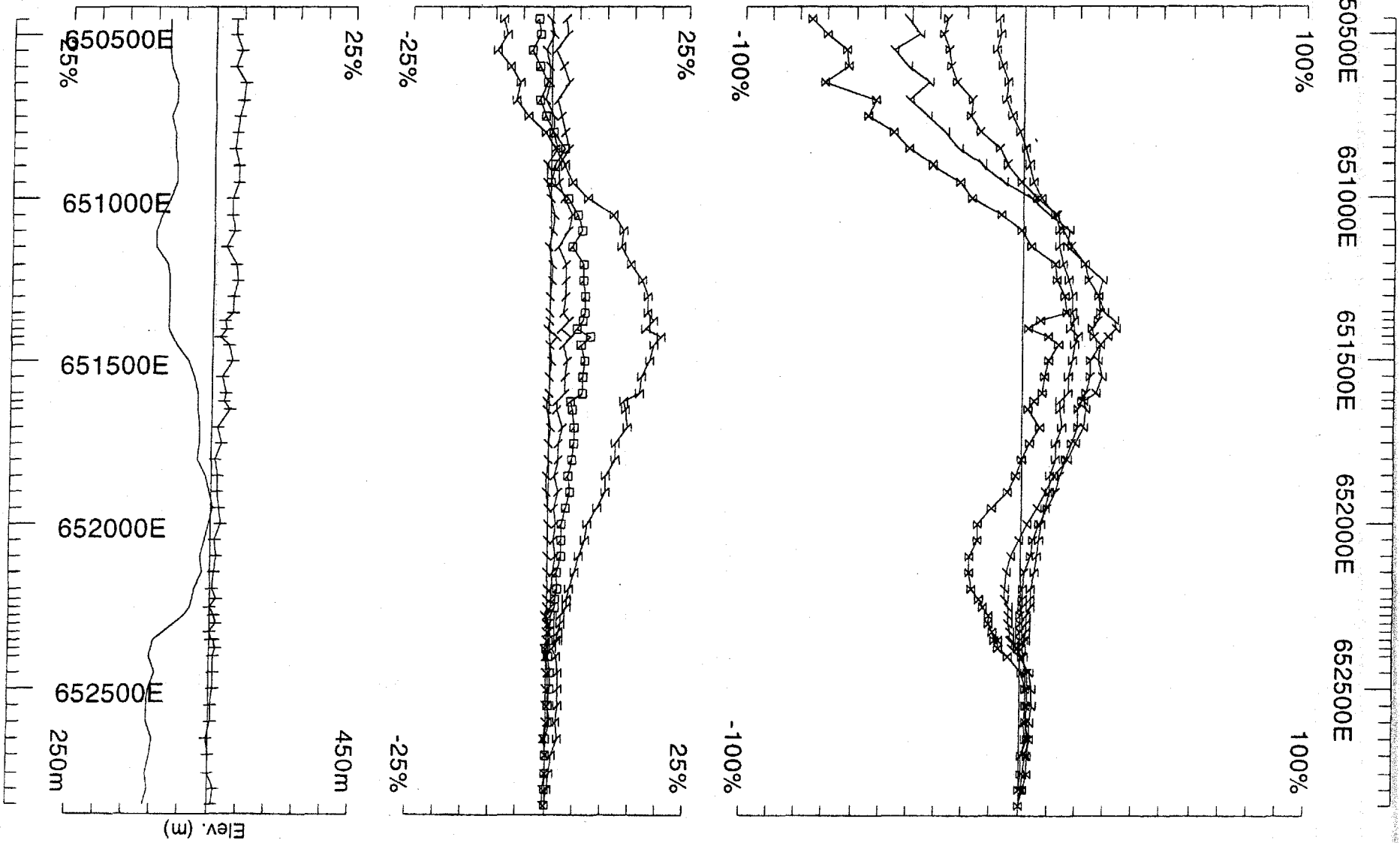
650000
-25%
650500E
651000E
651500E
652000E
652500E
250m

25%
-25%
450m

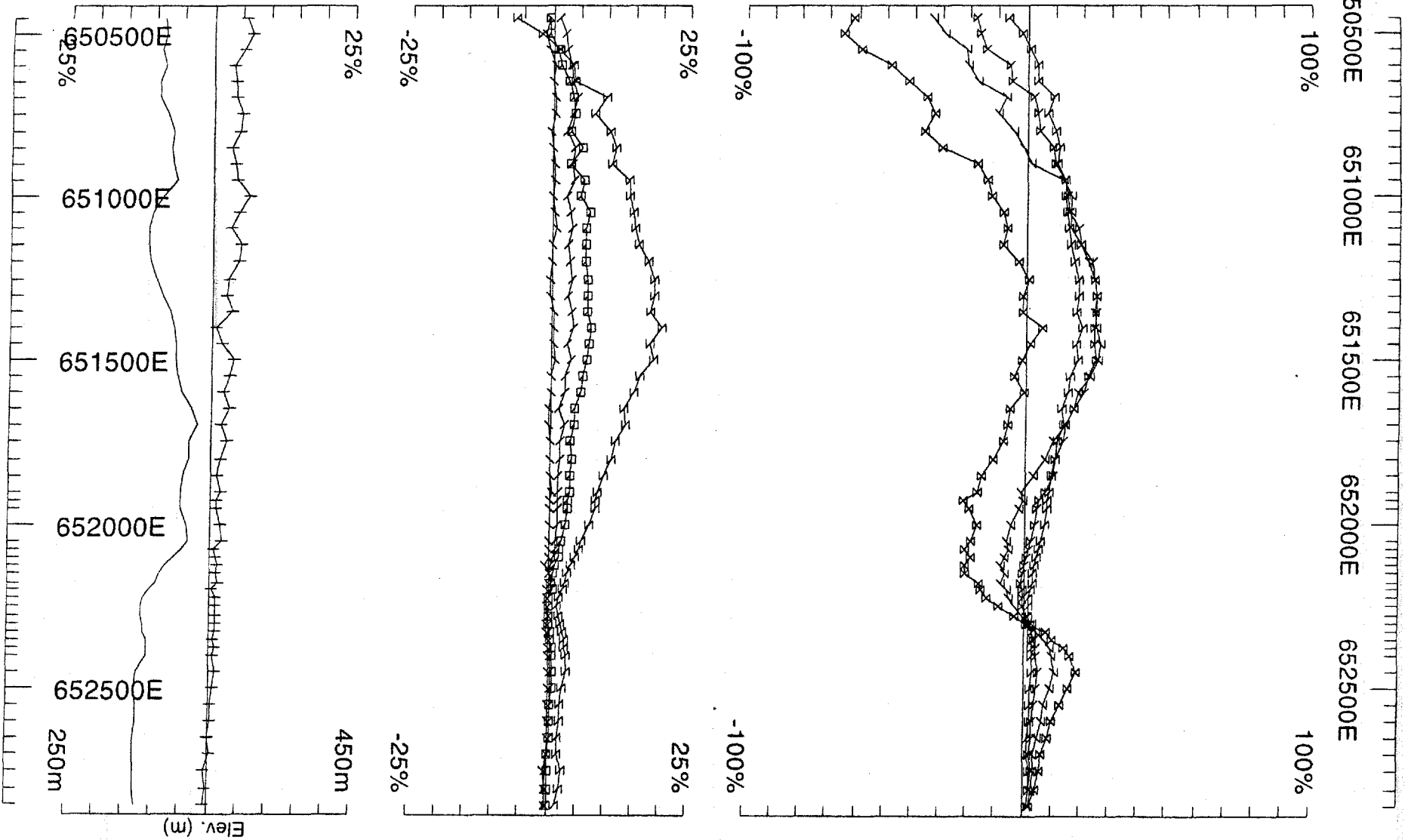
25%
-25%

-100%
100%
100%

000 650500E 651000E 651500E 652000E 652500E



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6331200N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job
		GEOPHYSIQUE LTEE	0118 Plotted : 18/5/1



Loop: 1	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6331400N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job
			0118
			Surveyed : 18/2/46 Reduced : 18/5/1 Plotted : 18/5/1

Loop 2

Hz Profiles (continuous norm)

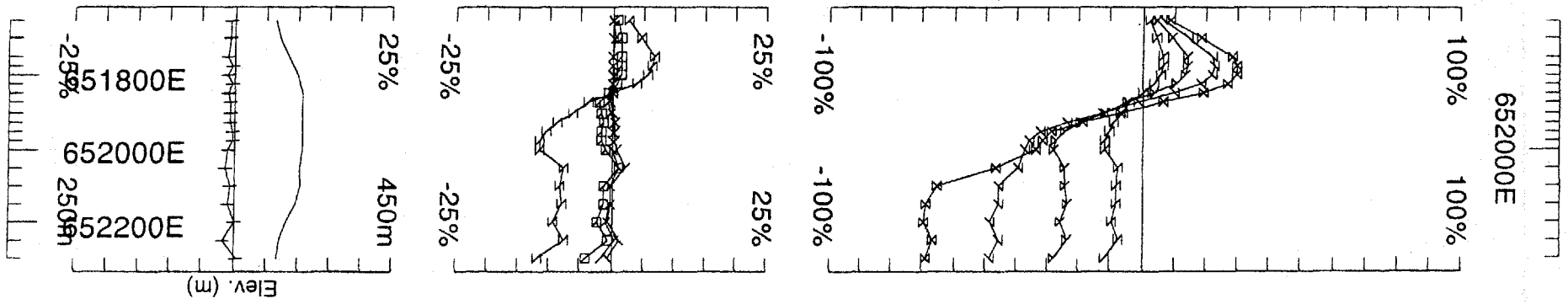
@ 3.976 Hz

Loop 2 (4Hz)	6329800 N	651650 E - 652350 E
	6329600 N	651650 E - 652300 E

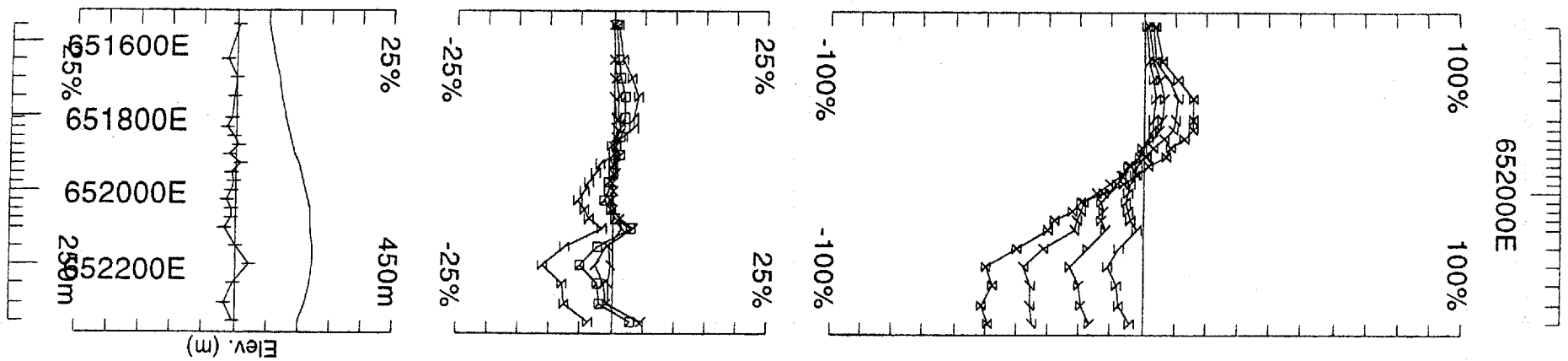
Hx Profiles (continuous norm)

@ 3.976 Hz

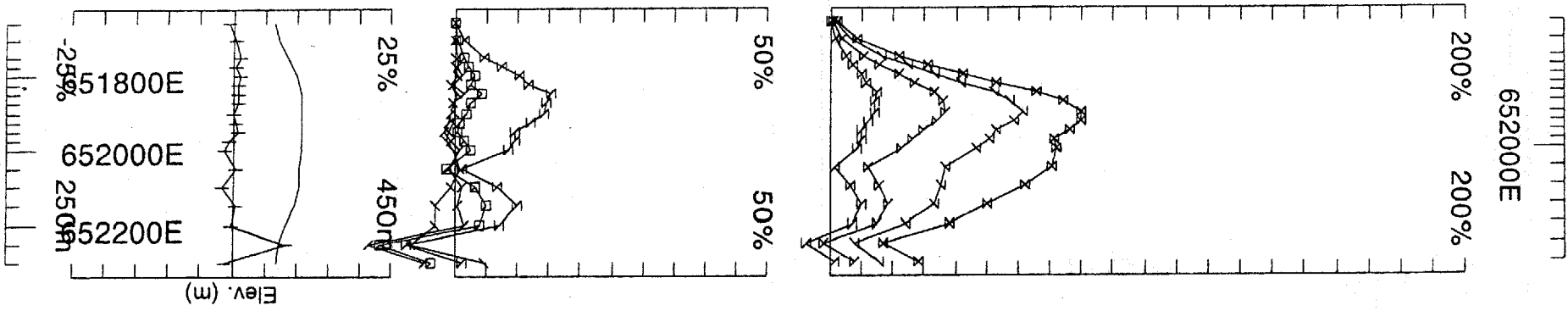
Loop 2 (4Hz)	6329800 N	651650 E - 652350 E
	6329600 N	651650 E - 652300 E



Loop: 2	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6329600N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE	Job
			0118
			Surveyed : 11/2/46 Reduced : 18/5/1 Plotted : 18/5/1



Loop: 2	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6329800N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE	Job
			0118
			Surveyed : 11/2/46
			Reduced : 18/5/1
			Plotted : 18/5/1

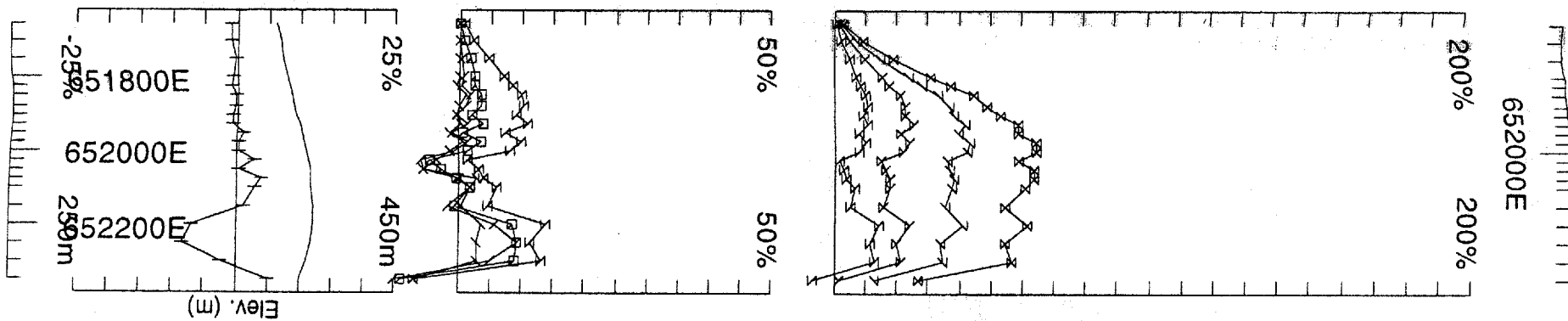


Loop: 2
 Line: 6329600N
 Compt: Hx

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

UTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD Job 0118
 GEOPHYSIQUE LTEE
 Surveyed : 11/2/46.
 Reduced : 18/5/1
 Plotted : 18/5/1



Loop: 2

Line: 6329800N

Compt: Hx

Secondary, (Chn - Ch1)/|Hp|

Contin. Norm at depth of 0 m

Base Freq. 3.976 Hz

UTEM Survey at: Papavoine

For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD
GEOPHYSIQUE LTEE

Job
0118

Surveyed : 11/2/46
Reduced : 18/5/1
Plotted : 18/5/1

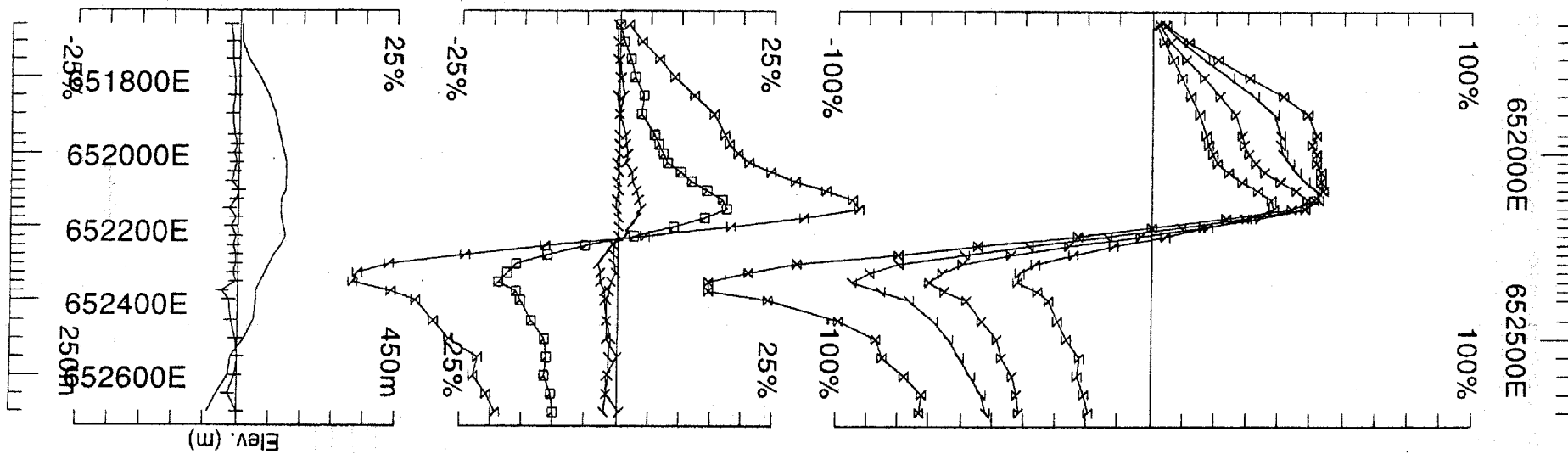
Loop 3

Hz Profiles (continuous norm) @ 3.976 Hz

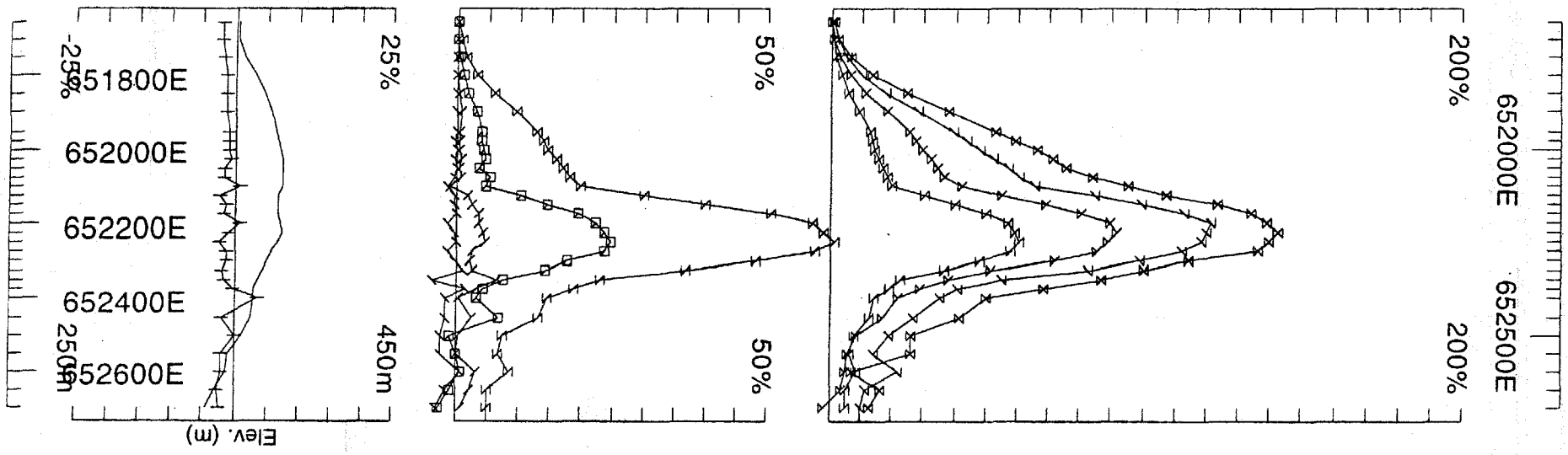
Loop 3 (4Hz)	6330400 N	651650 E - 652700 E
	6330600 N	651650 E - 652750 E

Hx Profiles (continuous norm) @ 3.976 Hz

Loop 3 (4Hz)	6330400 N	651650 E - 652700 E
	6330600 N	651650 E - 652750 E



Loop: 3	Secondary, $(Chn - Ch1)/ Hp $	UTEM Survey at: Papavoine	
Line: 6330400N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 14/2/46 Reduced : 19/5/1 Plotted : 19/5/1

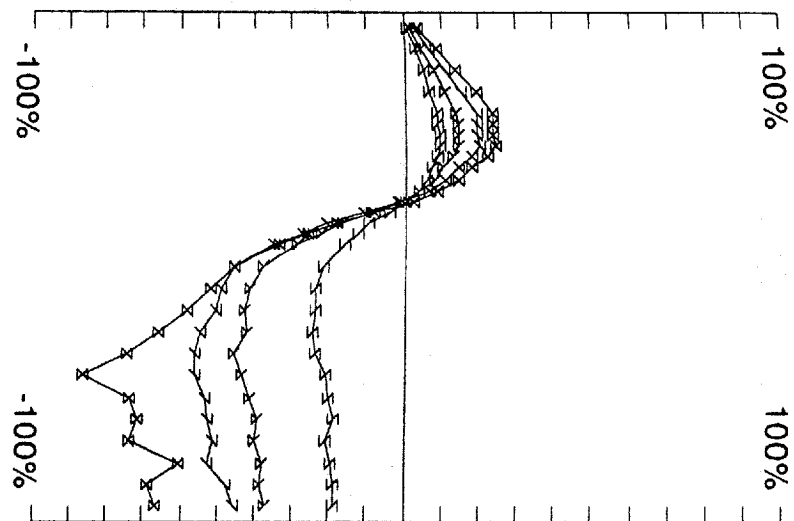
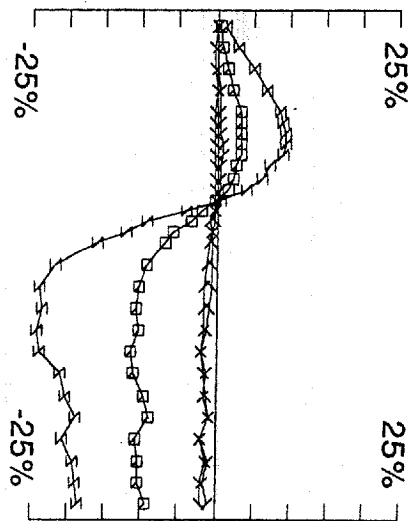
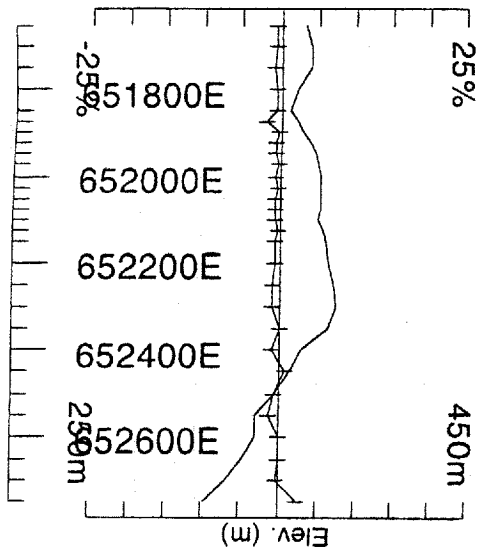


Loop: 3
 Line: 6330400N
 Compt: Hx

Secondary, $(\text{Chn} - \text{Ch1})/|\text{Hp}|$
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

UTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE Job 0118
 Surveyed : 14/2/46
 Reduced : 19/5/1
 Plotted : 19/5/1



652000E 652500E

Loop: 3

Line: 6330600N

Compt: Hz

Secondary, $(Chn - Ch1)/|Hp|$

Contin. Norm at depth of 0 m

Base Freq. 3.976 Hz

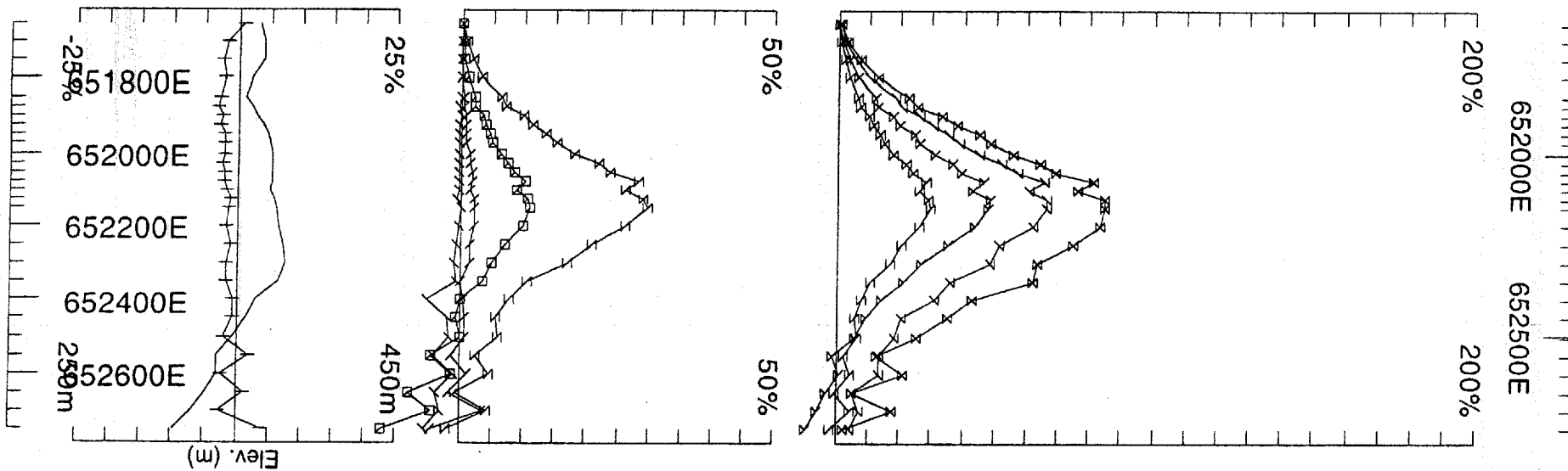
UTEM Survey at: Papavoine

For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job
 0118

Surveyed : 14/2/46
 Reduced : 19/5/1
 Plotted : 19/5/1

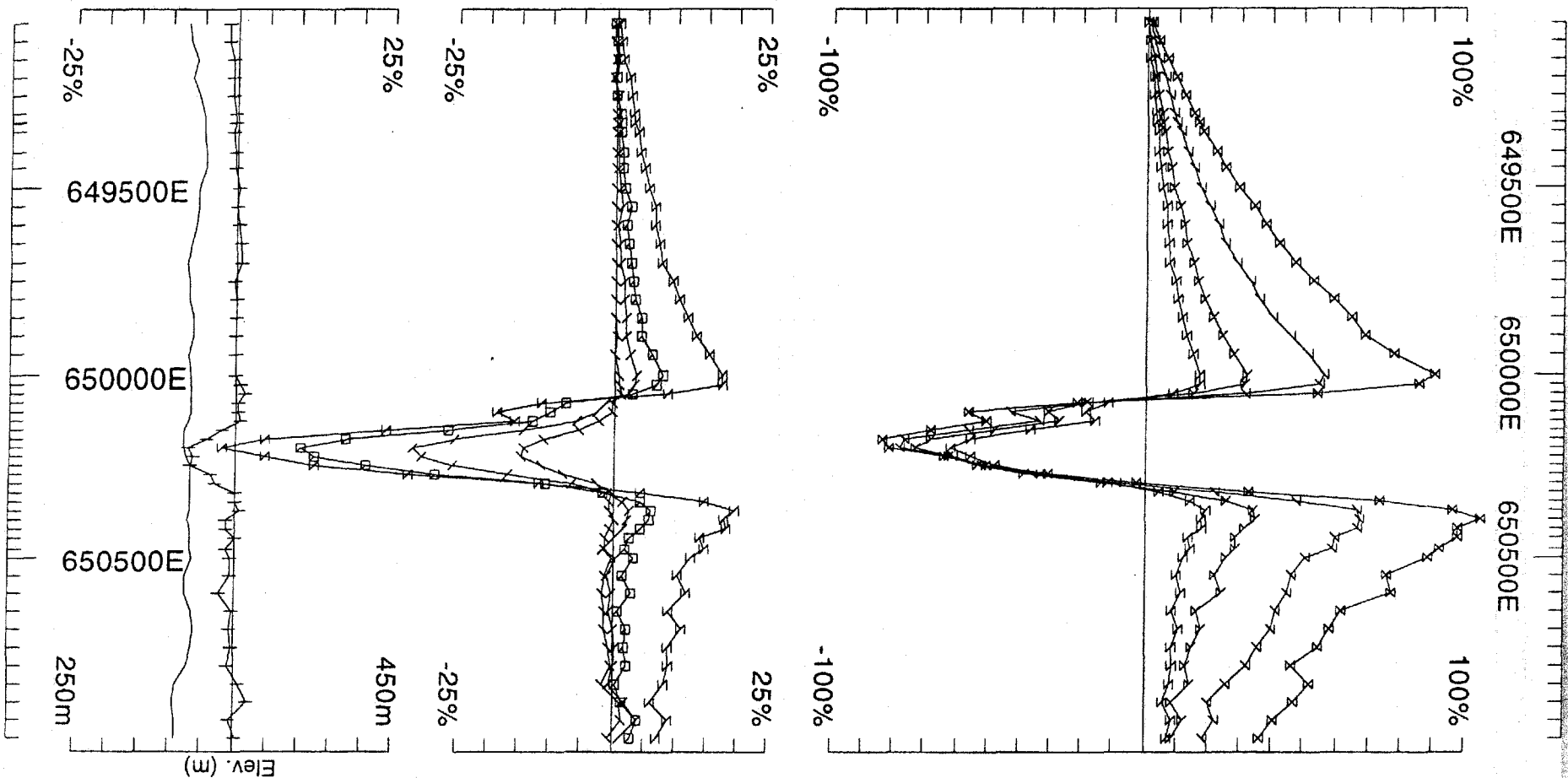


Loop: 3	Secondary, $(Chn - Ch1)/ Hp $	UTEM Survey at: Papavoine	
Line: 6330600N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hx	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 14/2/46 Reduced : 19/5/1 Plotted : 19/5/1

Loop 4

Hz Profiles (continuous norm) @ 3.976 Hz

Loop 4 (4Hz)	6330800 N	649050 E - 651000 E
	6331000 N	651650 E - 652700 E
	6331200 N	651650 E - 652750 E

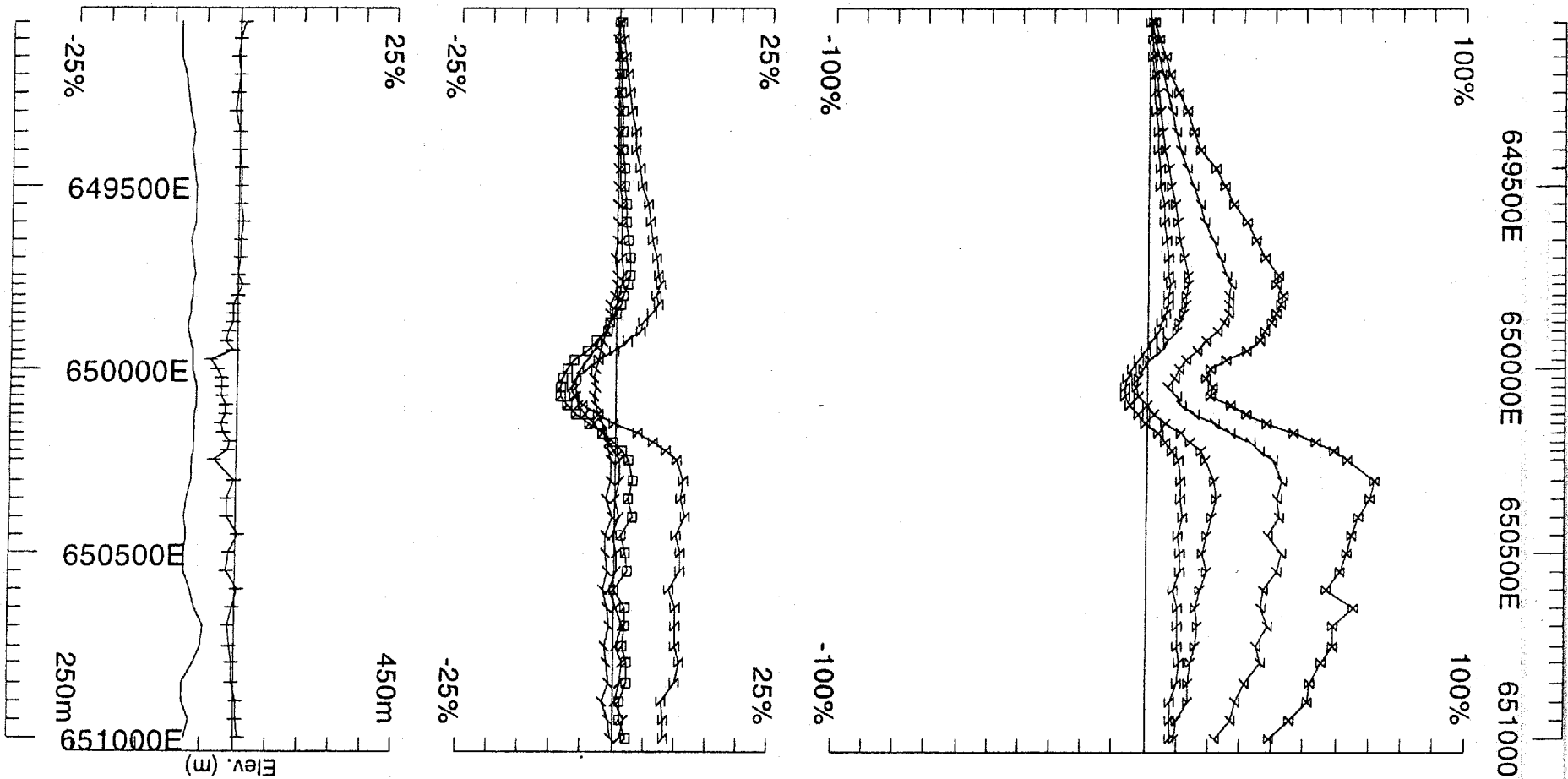


Loop: 4
 Line: 6330800N
 Compt: Hz

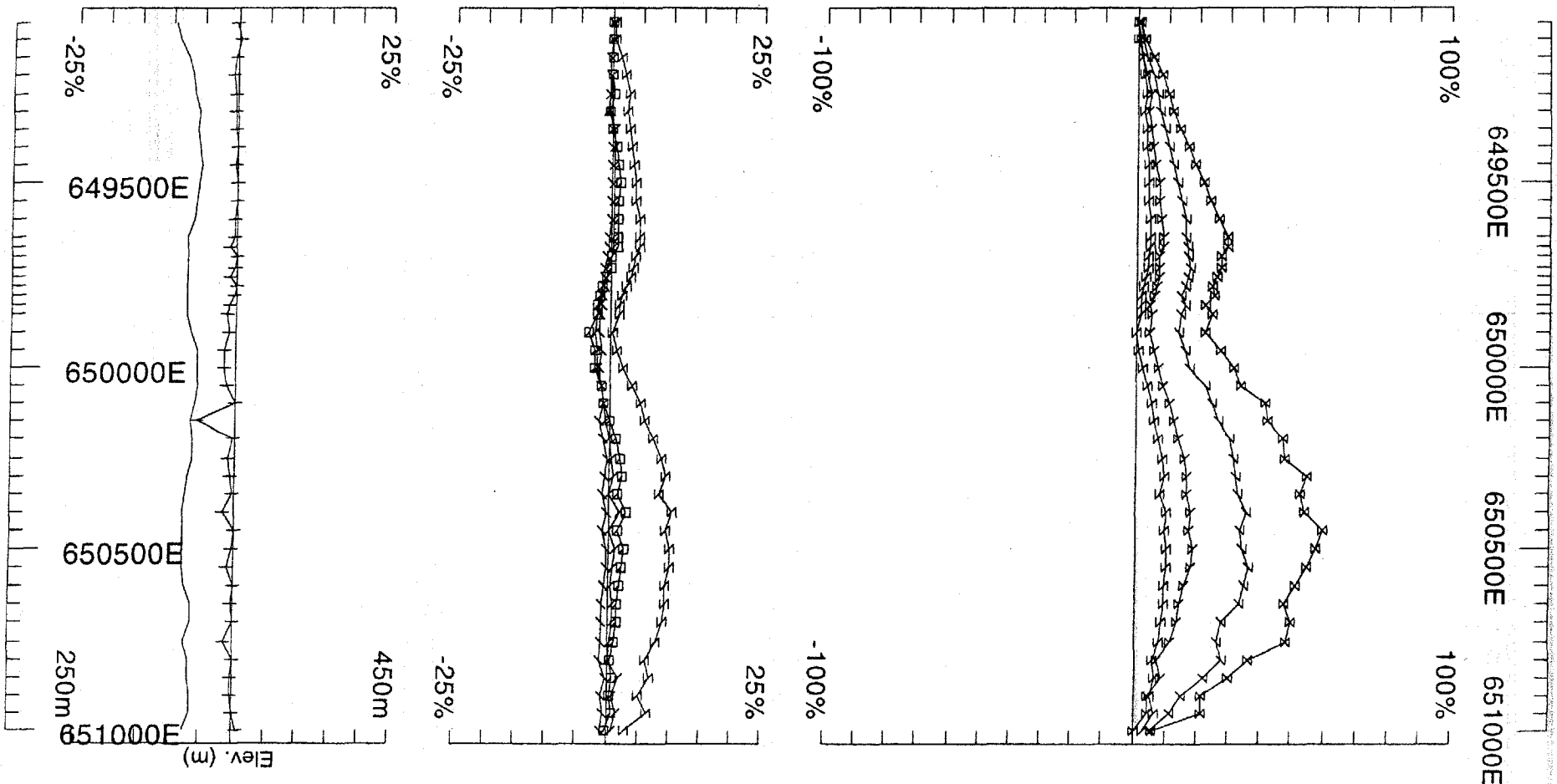
Secondary, $(Chn - Ch1)/|Hp|$
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

UTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD Job 0118 Surveyed : 21/2/46
 GEOPHYSIQUE LTEE Reduced : 19/5/1
 Plotted : 19/5/1



Loop: 4	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6331000N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE	GEOPHYSICS LTD GEOPHYSIQUE L'TEE Job 0118 Surveyed : 22/2/46 Reduced : 19/5/1 Plotted : 19/5/1



Loop: 4	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6331200N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 22/2/46 Reduced : 19/5/1 Plotted : 19/5/1

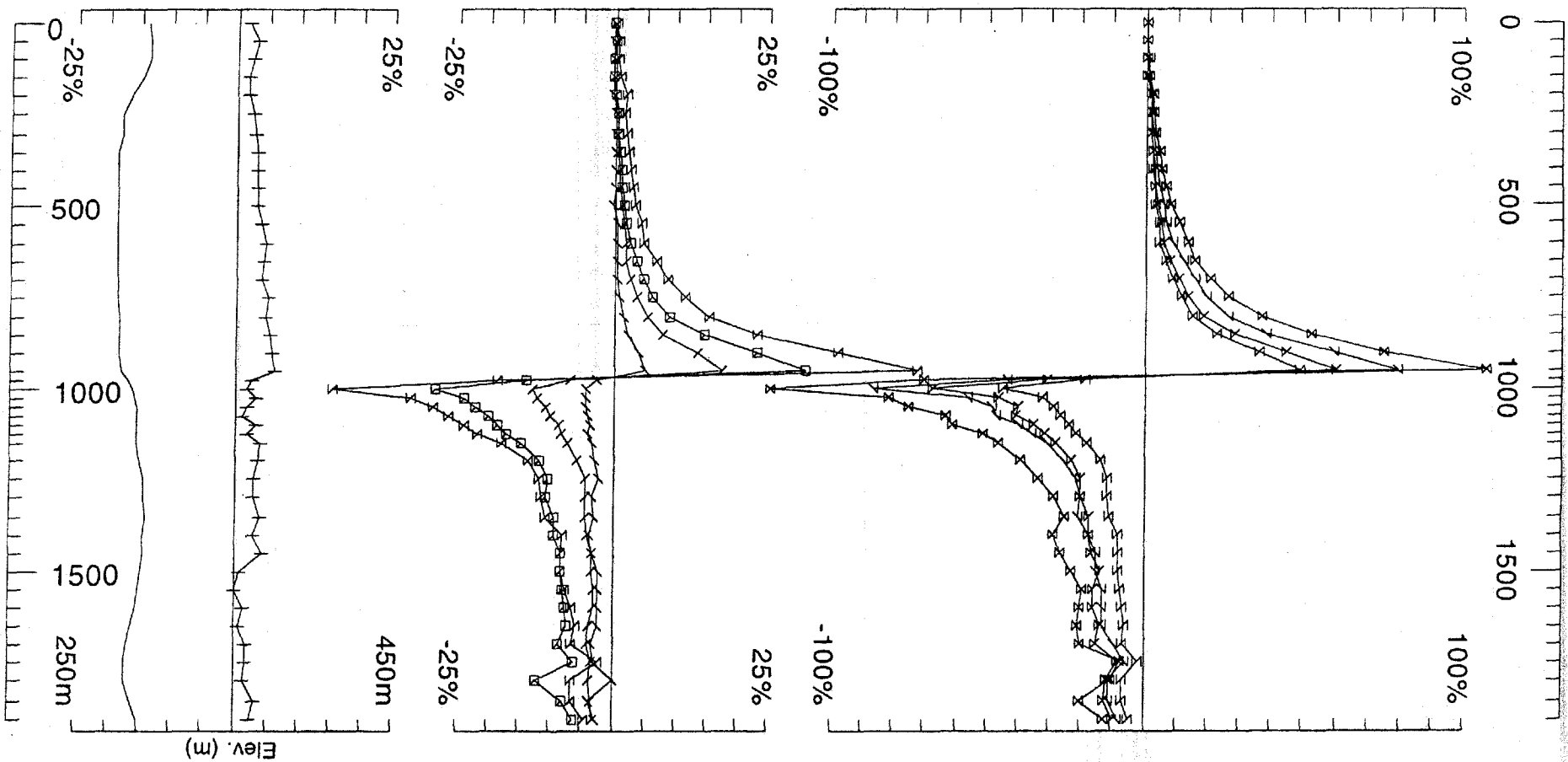
Loop 5

Hz Profiles (continuous norm) @ 3.976 Hz

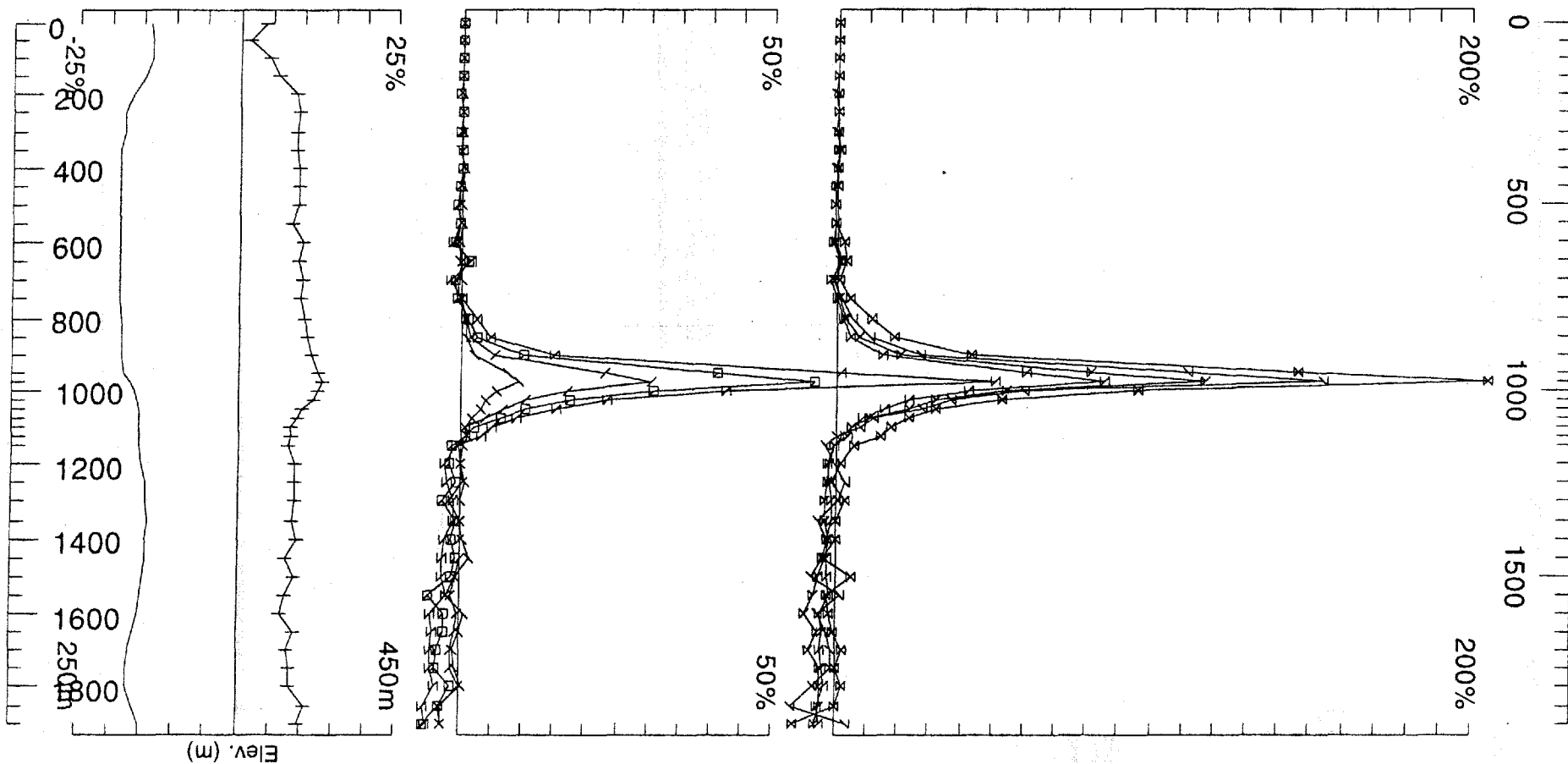
Loop 5 (4Hz)	200	50	-	2900
	100	0	-	1900

Hx Profiles (continuous norm) @ 3.976 Hz

Loop 5 (4Hz)	200	50	-	2900
	100	0	-	1900



Loop: 5	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 100	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Plotted : 19/5/1



Loop: 5

Secondary, $(\text{Chn} - \text{Ch1})/|\text{Hp}|$

Line: 100

Contin. Norm at depth of 0 m

Compt: Hx

Base Freq. 3.976 Hz

UTEM Survey at: Papavoine

For: WMC International Limited

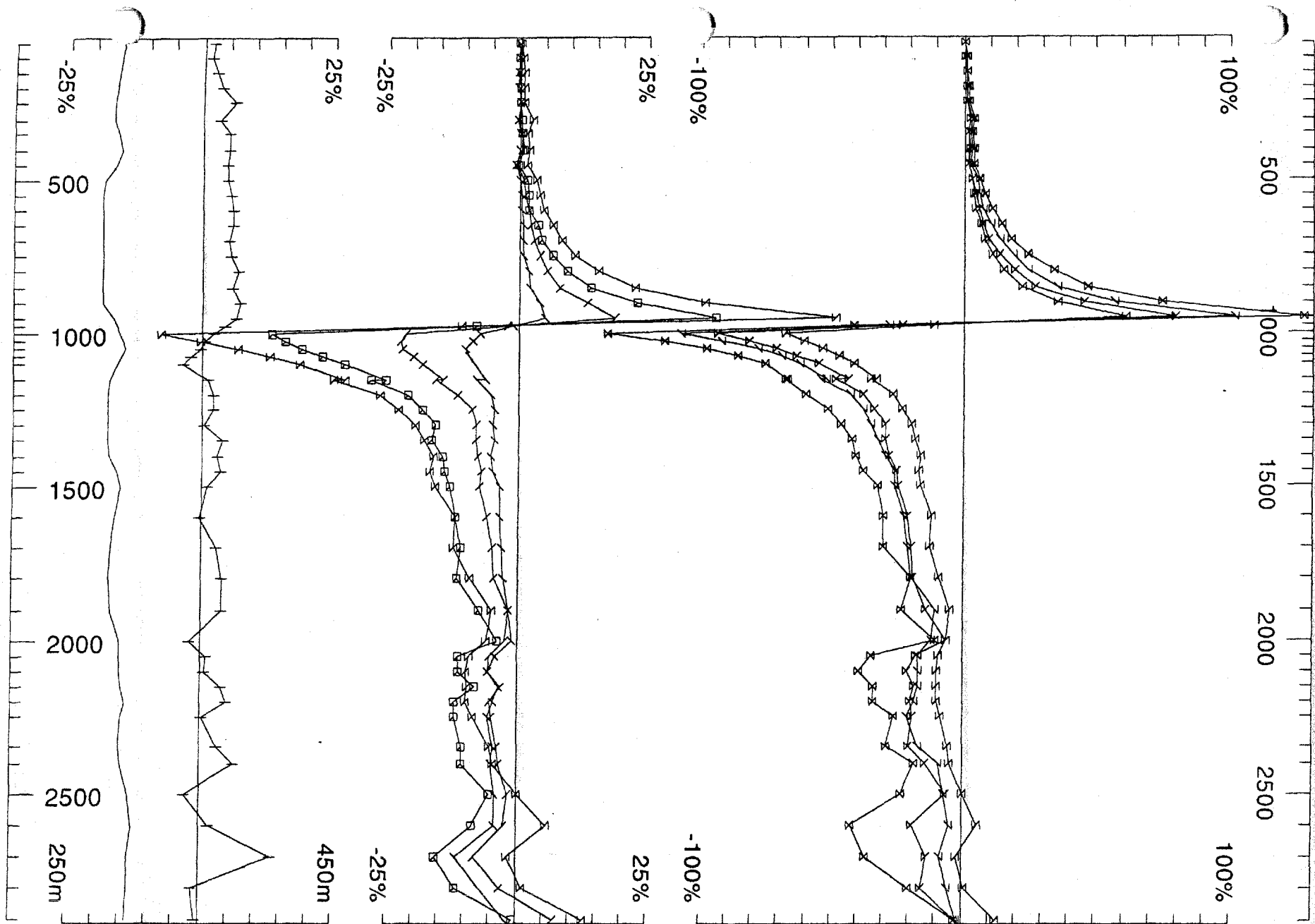
LAMONTAGNE

GEOPHYSICS LTD
GEOPHYSIQUE LTEE

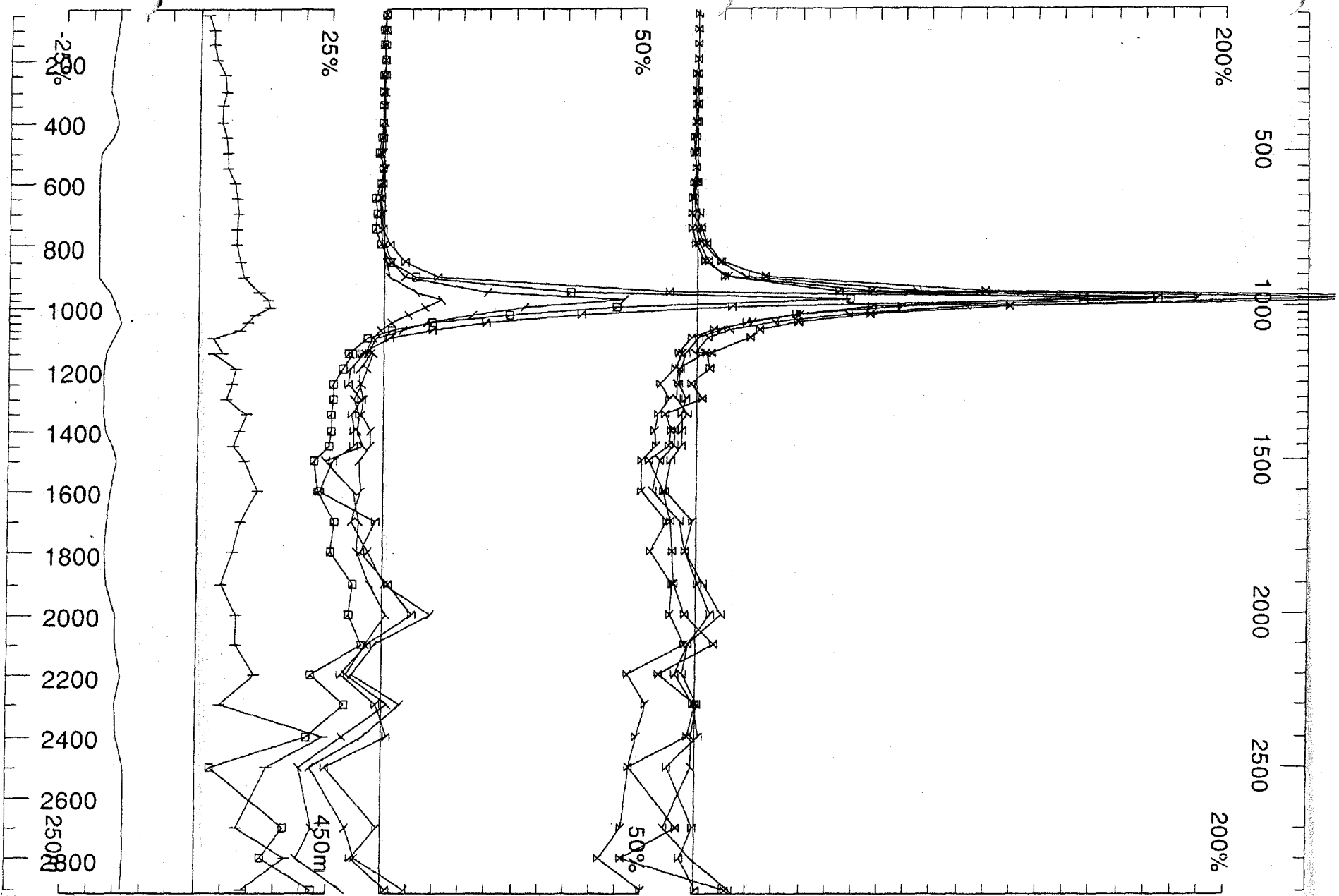
Job

0118

Plotted: 19/5/1



Loop: 5	Secondary, (Chn - Ch1)/ Hp Elev. (m)	UTEM Survey at: Papavoine	
Line: 200	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Plotted : 19/5/1



Loop: 5	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 200	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hx	Base Freq. 3.976 Hz	LAMONTAGNE	GEOPHYSICS LTD Job GEOPHYSIQUE LTEE 0118 Plotted : 19/5/1

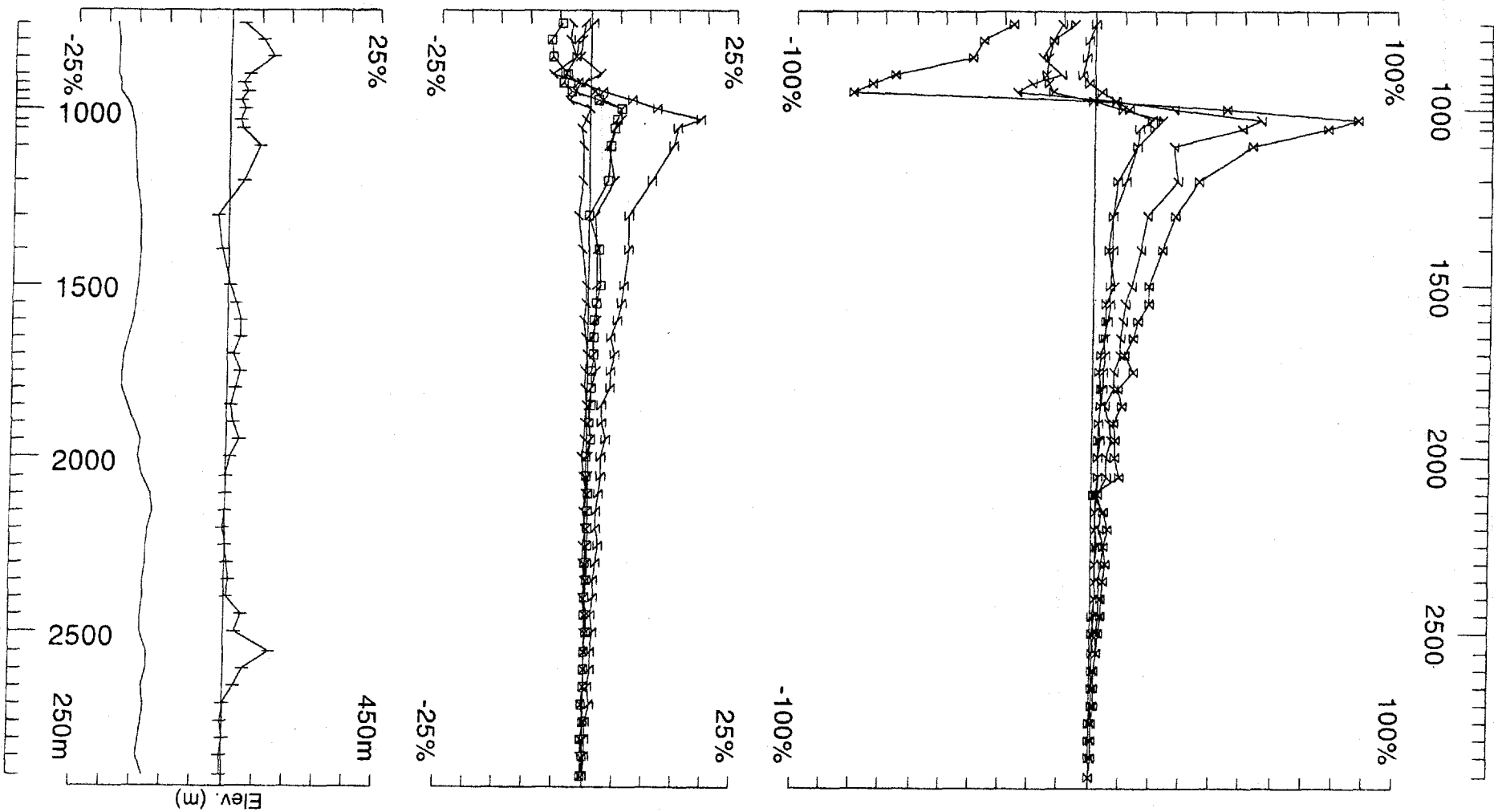
Loop 6

Hz Profiles (continuous norm) @ 3.976 Hz

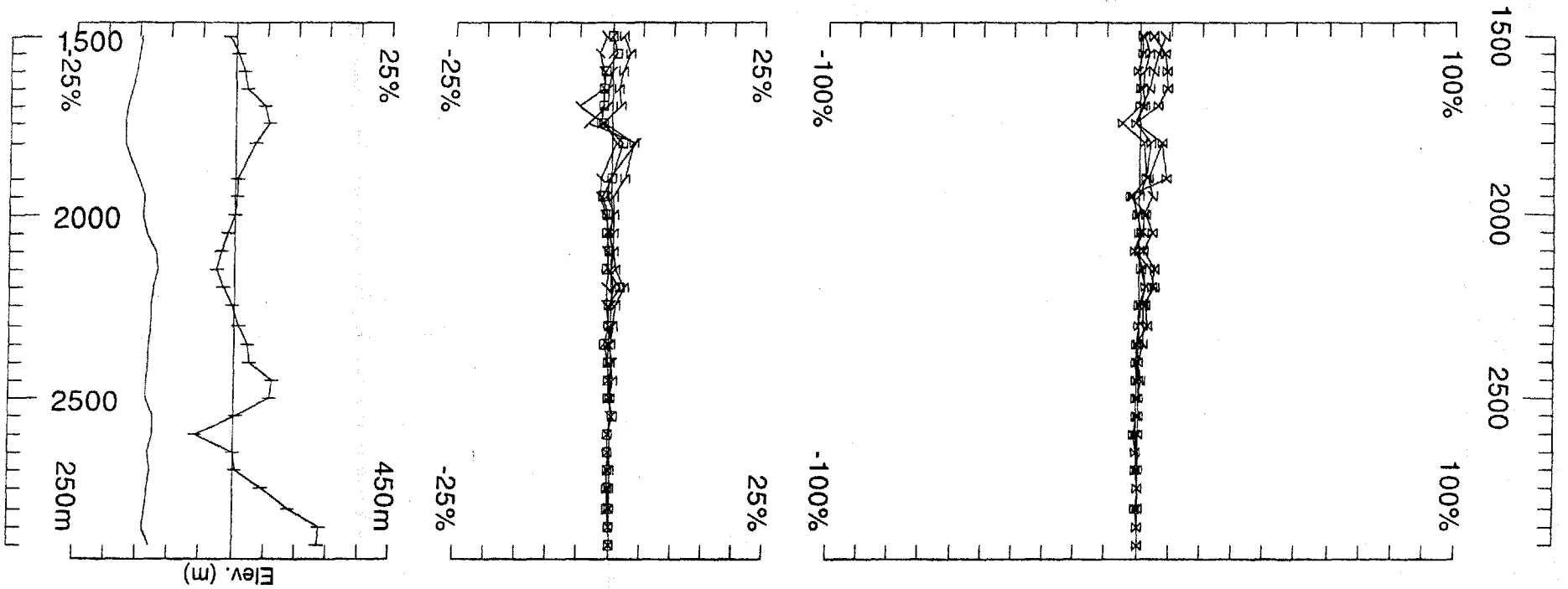
Loop 6 (4Hz)	200	1350	-	2900
	100	750	-	2900

Hx Profiles (continuous norm) @ 3.976 Hz

Loop 6 (4Hz)	200	1350	-	2900
	100	1500	-	2900



Loop: 6	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 100	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 28/2/46 Reduced : 19/5/1 Plotted : 19/5/1



Loop: 6

Secondary, (Chn - Ch1)/|Hp|

UTEM Survey at: Papavoine

Line: 100

Contin. Norm at depth of 0 m

For: WMC International Limited

Compt: Hx

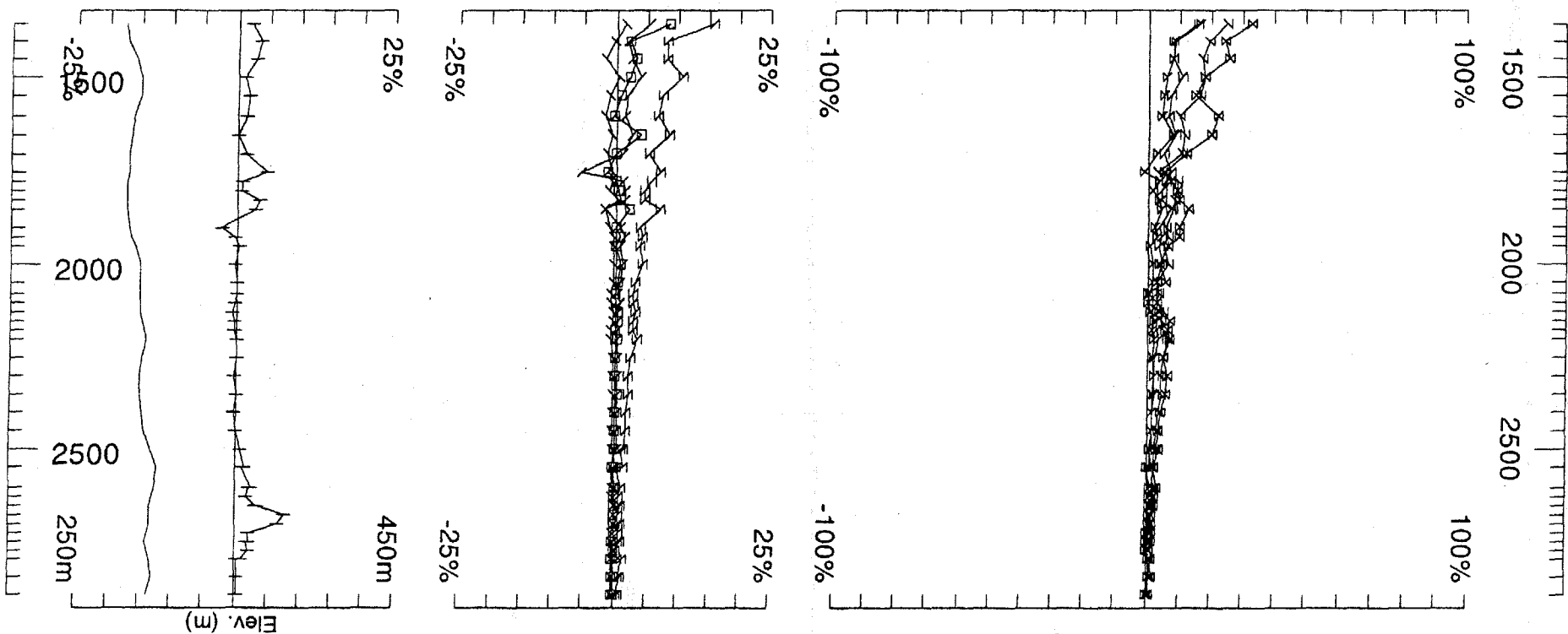
Base Freq. 3.976 Hz

LAMONTAGNE

GEOPHYSICS LTD
GEOPHYSIQUE LTEE

Job
0118

Surveyed : 28/2/46
Reduced : 19/5/1
Plotted : 19/5/1



Loop: 6

Secondary, (Chn - Ch1)/|Hp|

UTEM Survey at: Papavoine

Line: 200

Contin. Norm at depth of 0 m

For: WMC International Limited

Compt: Hz

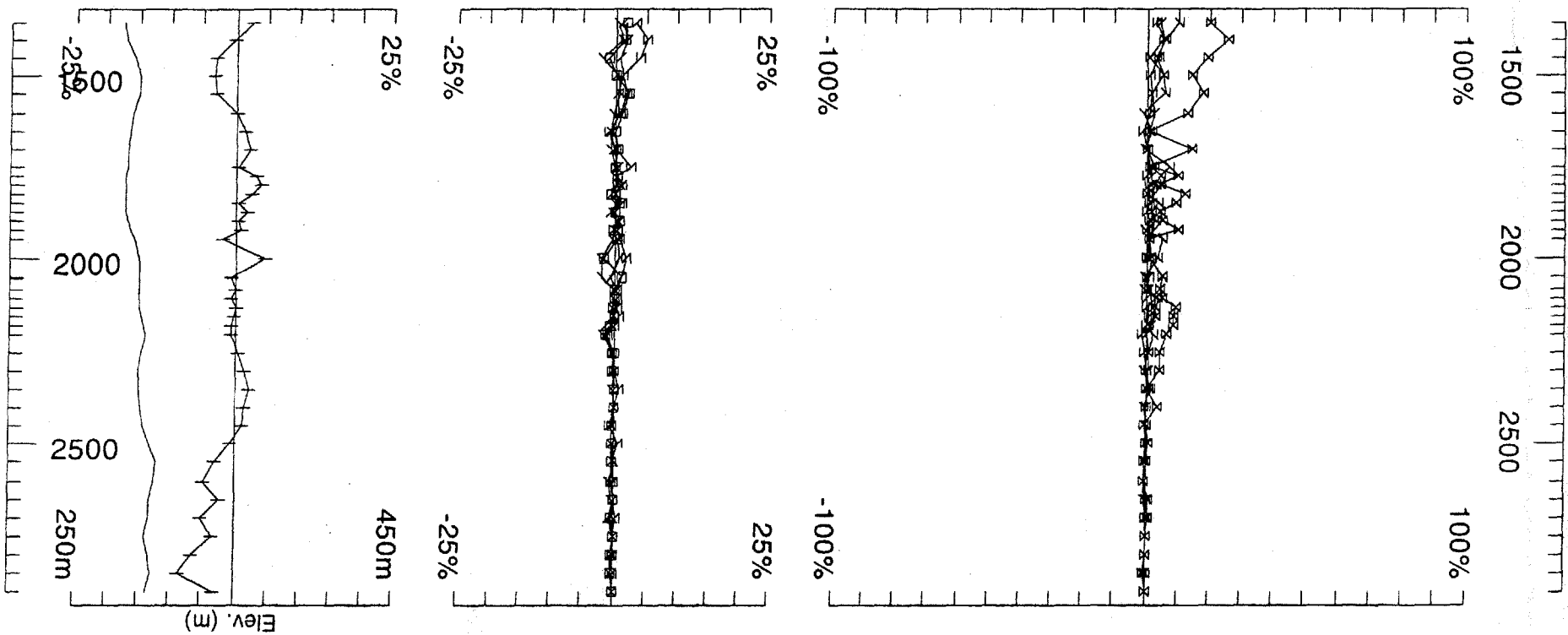
Base Freq. 3.976 Hz

LAMONTAGNE

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GEOPHYSIQUE LTEE

Job
0118

Surveyed : 27/2/46
Reduced : 20/4/1
Plotted : 19/5/1



Loop: 6

Secondary, (Chn - Ch1)/|Hp|

UTEM Survey at: Papavoine

Line: 200

Contin. Norm at depth of 0 m

For: WMC International Limited

Compt: Hx

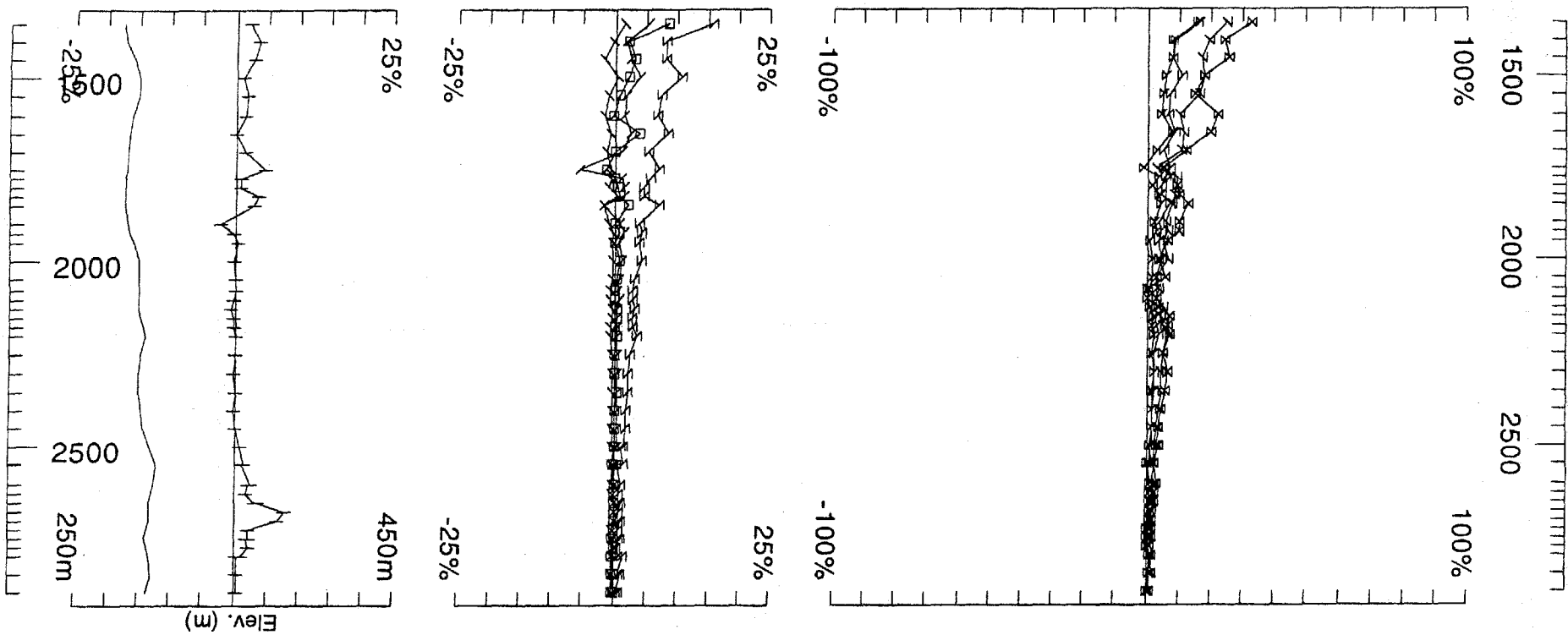
Base Freq. 3.976 Hz

LAMONTAGNE

GEOPHYSICS LTD
GEOPHYSIQUE LTEE

Job
0118

Surveyed : 27/2/46
Reduced : 20/4/1
Plotted : 19/5/1



Loop: 6
 Line: 200
 Compt: Hz

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

UTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD Job 0118
 GEOPHYSIQUE LTEE
 Surveyed : 27/2/46
 Reduced : 20/4/1
 Plotted : 19/5/1

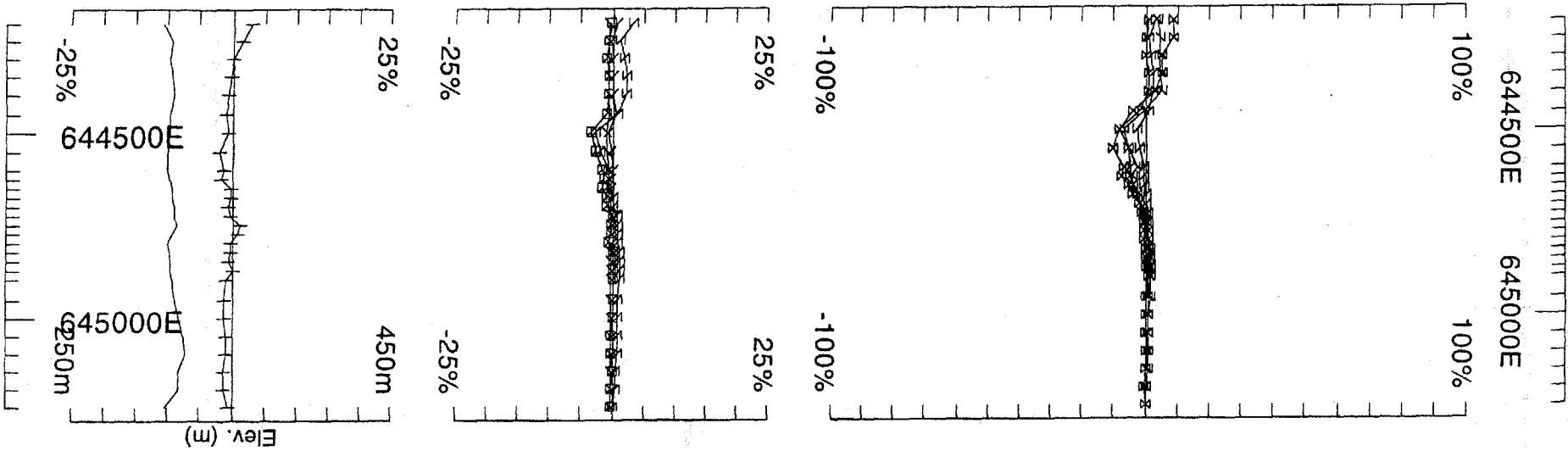
Loop 7

Hz Profiles (continuous norm) @ 3.976 Hz

Loop 7 (4Hz)	6333500 N	644200 E - 645300 E
	6333300 N	644200 E - 645250 E

Hx Profiles (continuous norm) @ 3.976 Hz

Loop 7 (4Hz)	6333500 N	644200 E - 645300 E
	6333300 N	644200 E - 645250 E



Loop: 7

Line: 6333300N

Compt: Hz

Secondary, (Chn - Ch1)/|Hp|

Contin. Norm at depth of 0 m

Base Freq. 3.976 Hz

UTEM Survey at: Papavoine

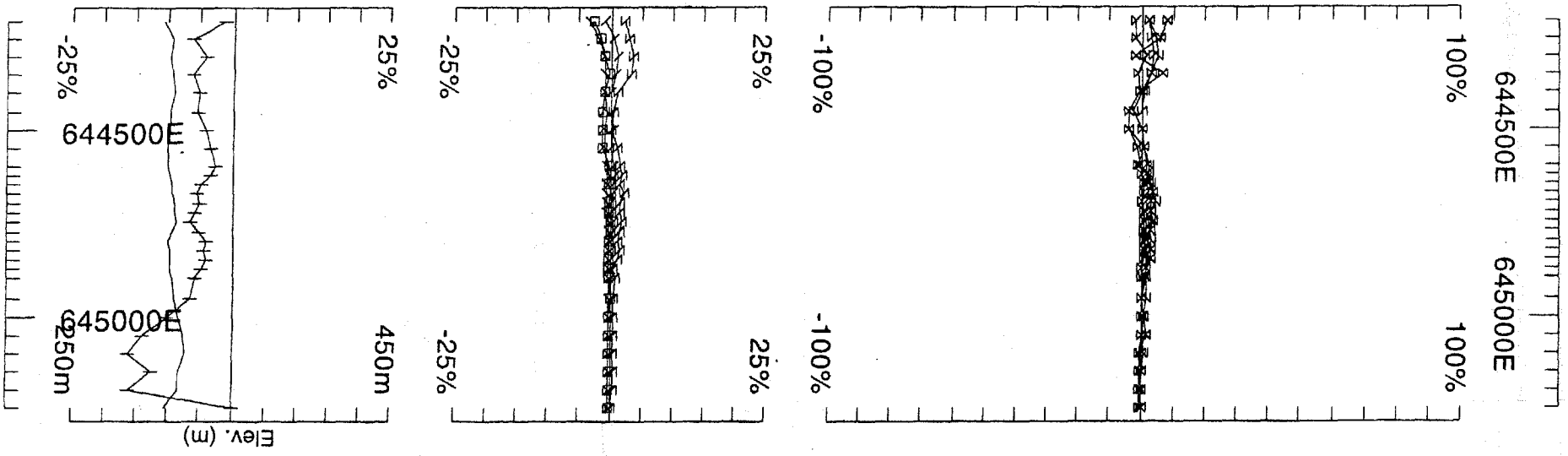
For: WMC International Limited

LAMONTAGNE

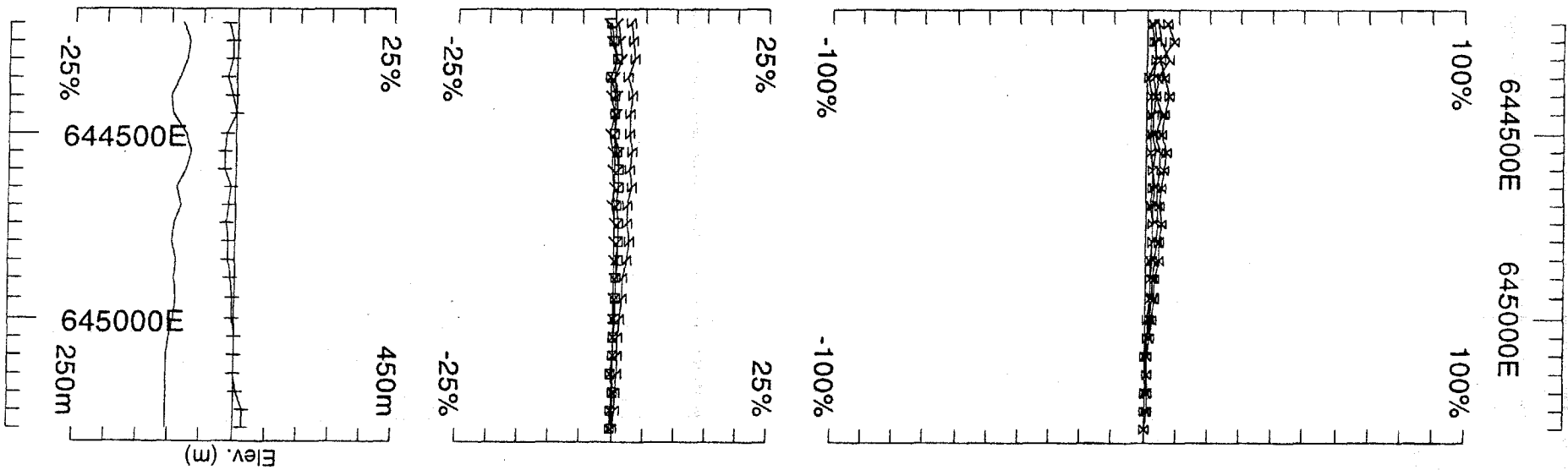
GEOPHYSICS LTD
GEOPHYSIQUE LTEE

Job
0118

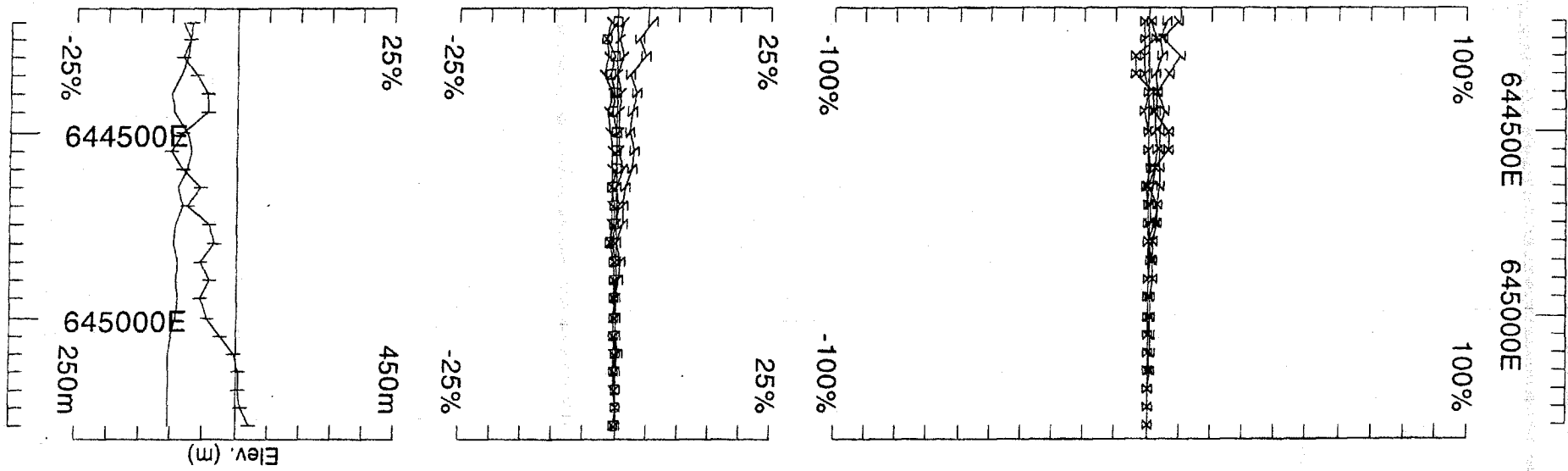
Surveyed : 1/3/46
Reduced : 19/5/1
Plotted : 19/5/1



Loop: 7	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6333300N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hx	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 1/3/48 Reduced : 19/5/1 Plotted : 19/5/1



Loop: 7	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6333500N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 1/3/46 Reduced : 19/5/1 Plotted : 19/5/1



Loop: 7	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6333500N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hx	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 1/3/46 Reduced : 19/5/1 Plotted : 19/5/1

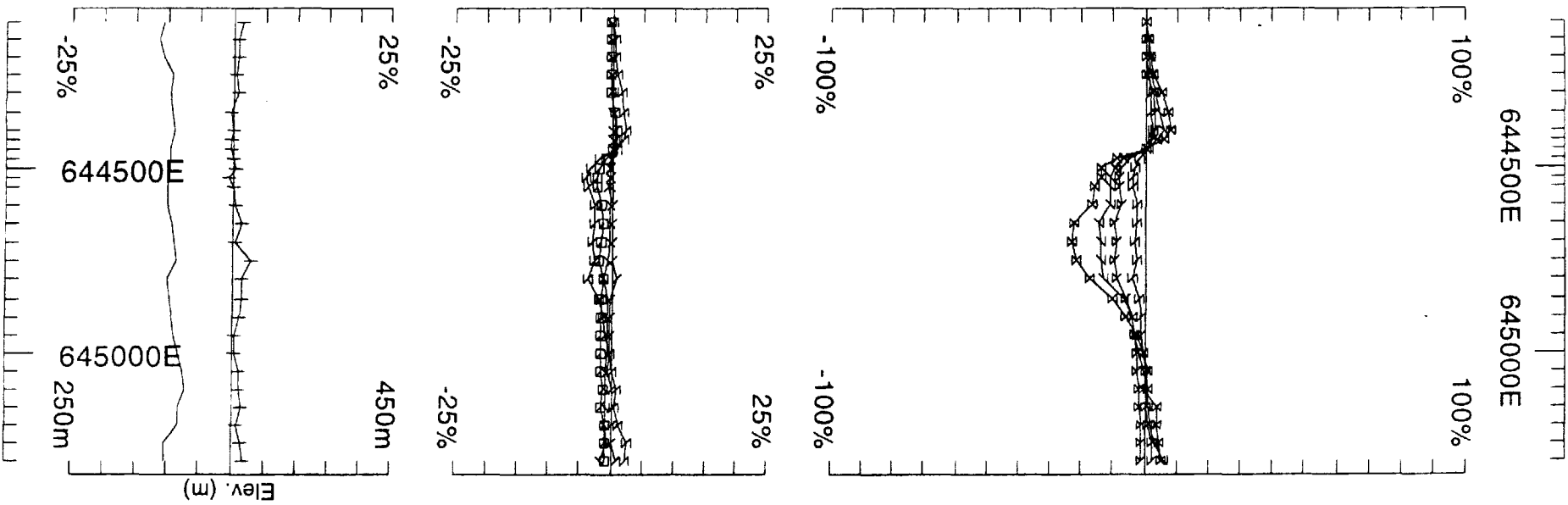
Loop 8

**Hz Profiles
(continuous norm)
@ 3.976 Hz**

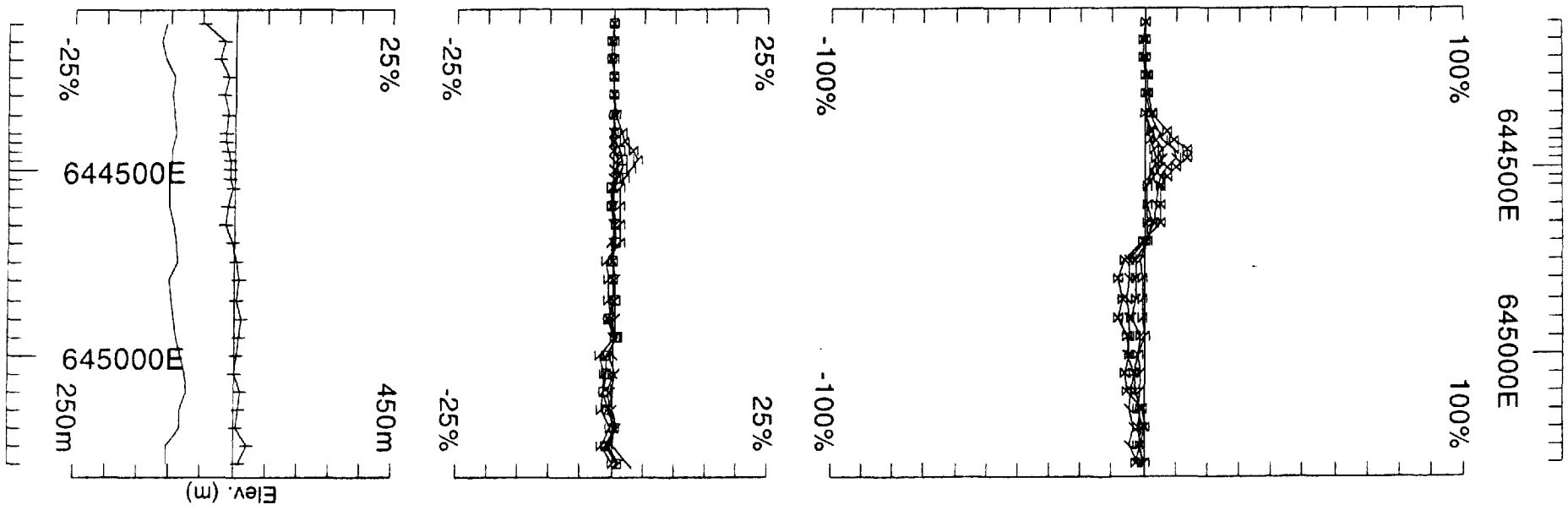
Loop 8 (4Hz) 6333300 N 644050 E - 645300 E

**Hx Profiles
(continuous norm)
@ 3.976 Hz**

Loop 8 (4Hz) 6333300 N 644050 E - 645300 E



Loop: 8	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 6333300N	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 2/3/46 Reduced : 19/5/1 Plotted : 19/5/1



Loop: 8

Line: 6333300N

Compt: Hx

Secondary, (Chn - Ch1)/|Hp|

Contin. Norm at depth of 0 m

Base Freq. 3.976 Hz

UTEM Survey at: Papavoine

For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD
GEOPHYSIQUE LTEE

Job
0118

Surveyed : 2/3/46
Reduced : 19/5/1
Plotted : 19/5/1

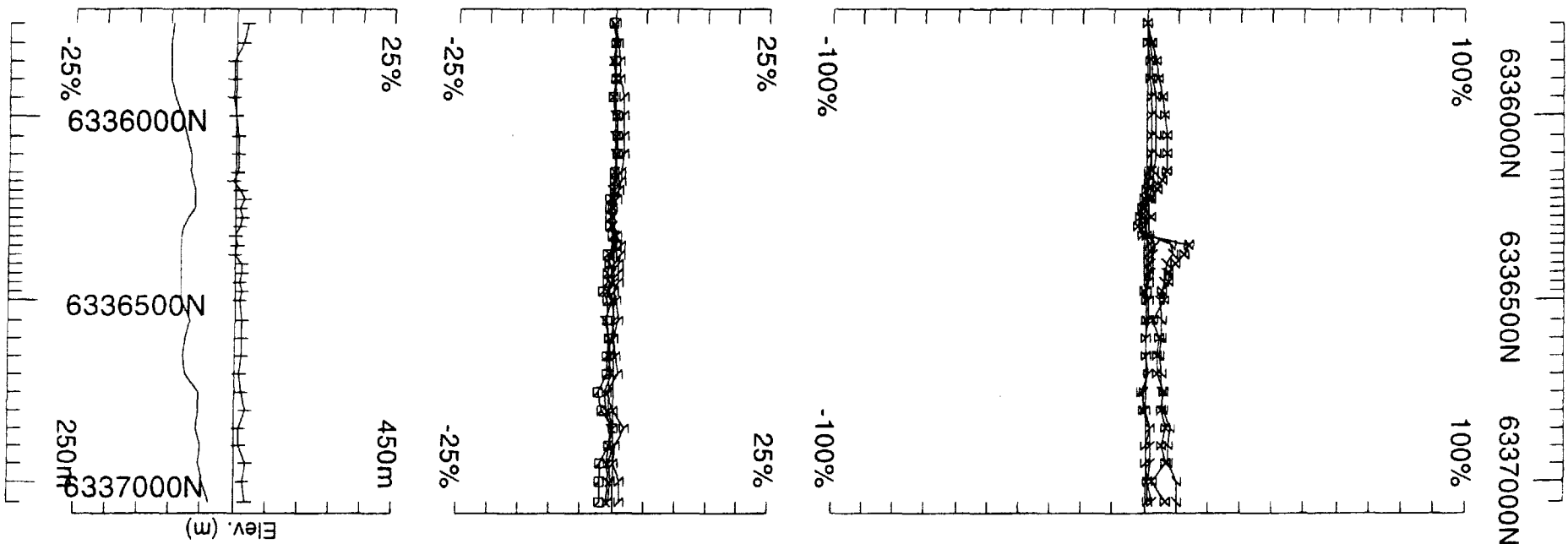
Loop 9

**Hz Profiles
(continuous norm)
@ 3.976 Hz**

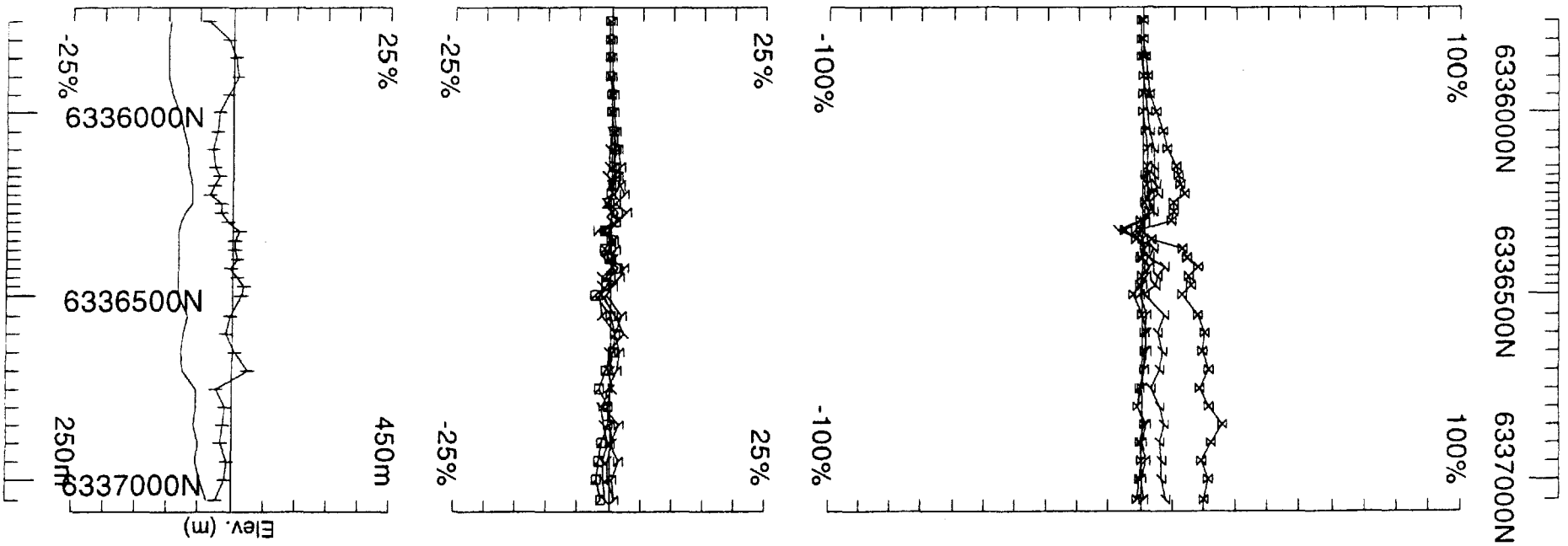
Loop 9 (4Hz) 652600 E 6335750 N - 6337050 N

**Hx Profiles
(continuous norm)
@ 3.976 Hz**

Loop 9 (4Hz) 652600 E 6335750 N - 6337050 N



Loop: 9	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 652600E	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE	Job
			0118
		Surveyed : 5/3/46	
		Reduced : 19/5/1	
		Plotted : 19/5/1	



Loop: 9

Line: 652600E

Compt: Hx

Secondary, (Chn - Ch1)/|Hp|

Contin. Norm at depth of 0 m

Base Freq. 3.976 Hz

UTEM Survey at: Papavoine

For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD
GEOPHYSIQUE LTEE

Job
0118

Surveyed : 5/3/46
Reduced : 19/5/1
Plotted : 19/5/1

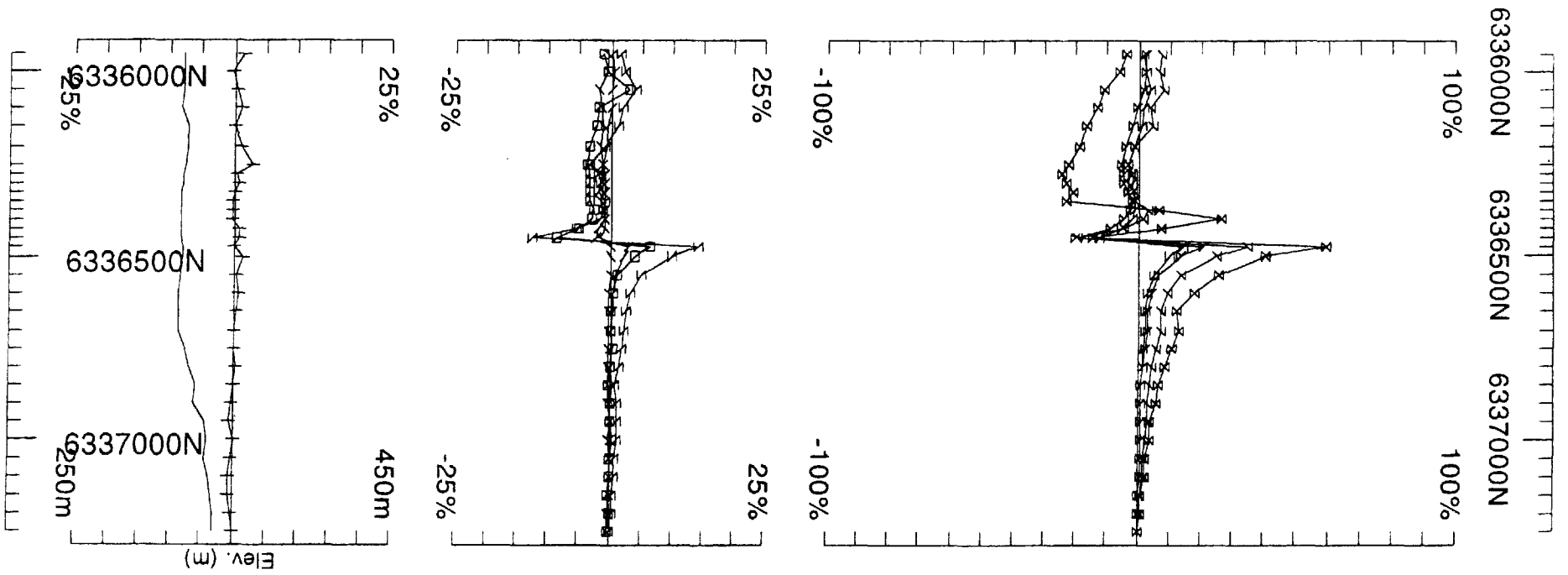
Loop 10

**Hz Profiles
(continuous norm)
@ 3.976 Hz**

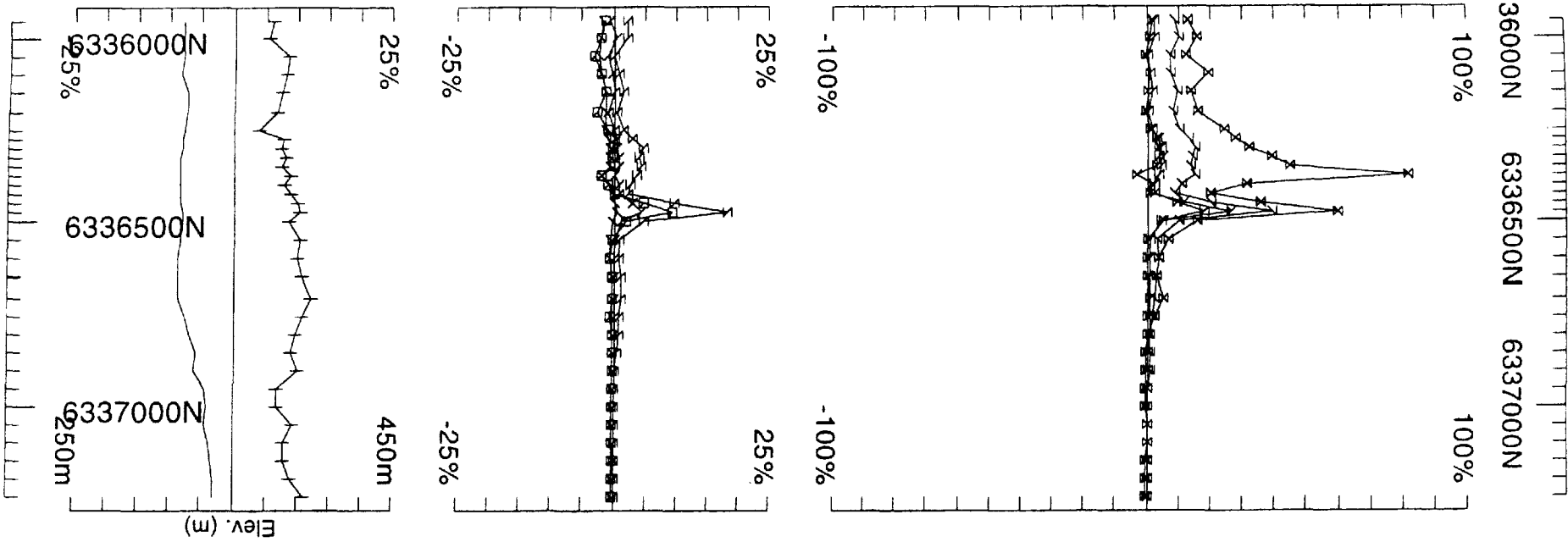
Loop 10 (4Hz) 652000 E 6335750 N - 6337250 N

**Hx Profiles
(continuous norm)
@ 3.976 Hz**

Loop 10 (4Hz) 652000 E 6335750 N - 6337250 N



Loop: 10	Secondary, (Chn - Ch1)/ Hp	UTEM Survey at: Papavoine	
Line: 652000E	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Hz	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 7/3/46 Reduced : 19/5/1 Plotted : 19/5/1



Loop: 10

Line: 652000E

Compt: Hx

Secondary, (Chn - Ch1)/|Hp|

Contin. Norm at depth of 0 m

Base Freq. 3.976 Hz

UTEM Survey at: Papavoine

For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job
 0118

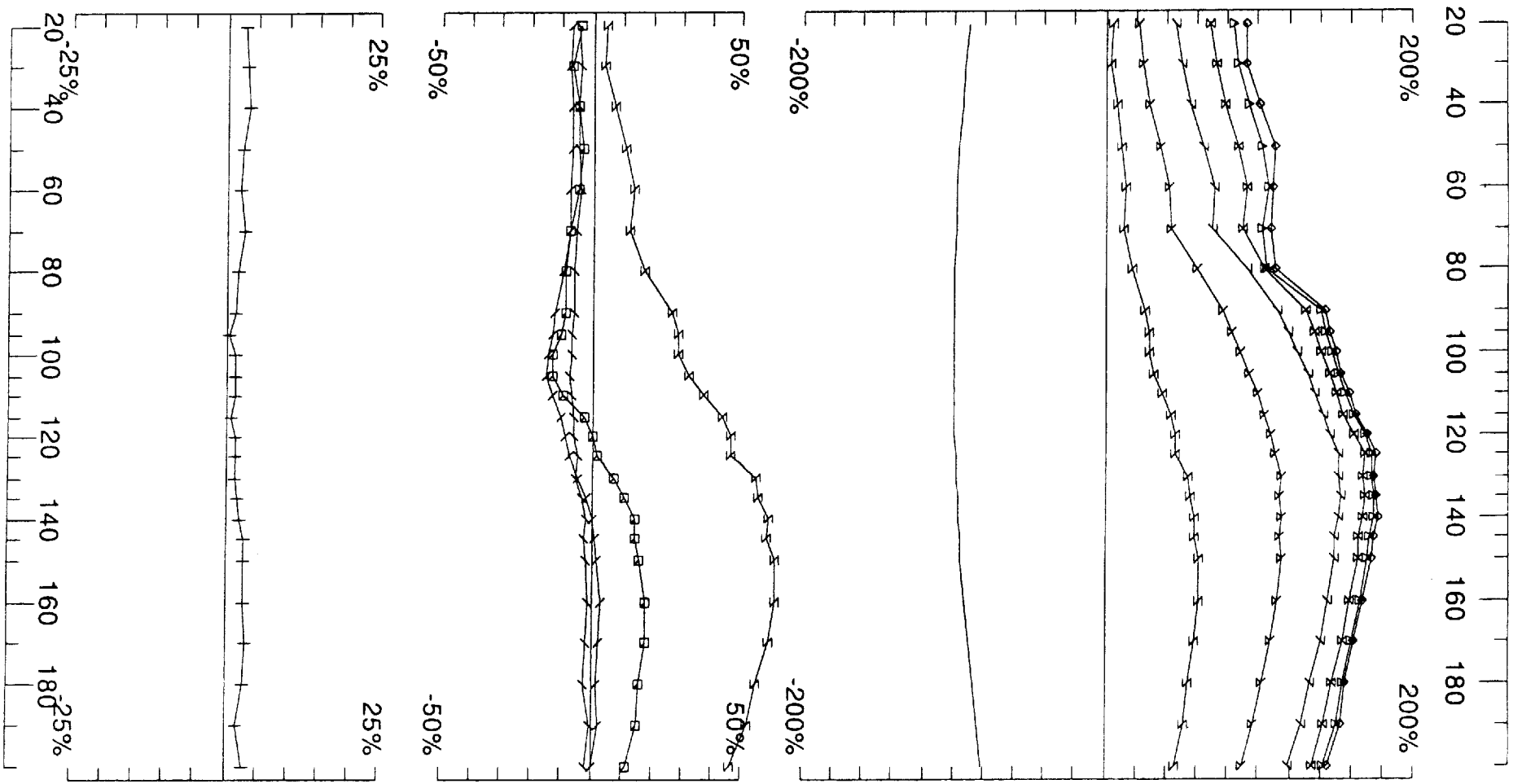
Surveyed : 7/3/46
 Reduced : 19/5/1
 Plotted : 19/5/1

Hole 1

Profiles

@ 3.976 Hz

Hole 1 (4Hz) Loop 1-bh1
 Loop 2-bh1



Loop: 1-bh1
 Hole: 1
 Compt: Axial

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

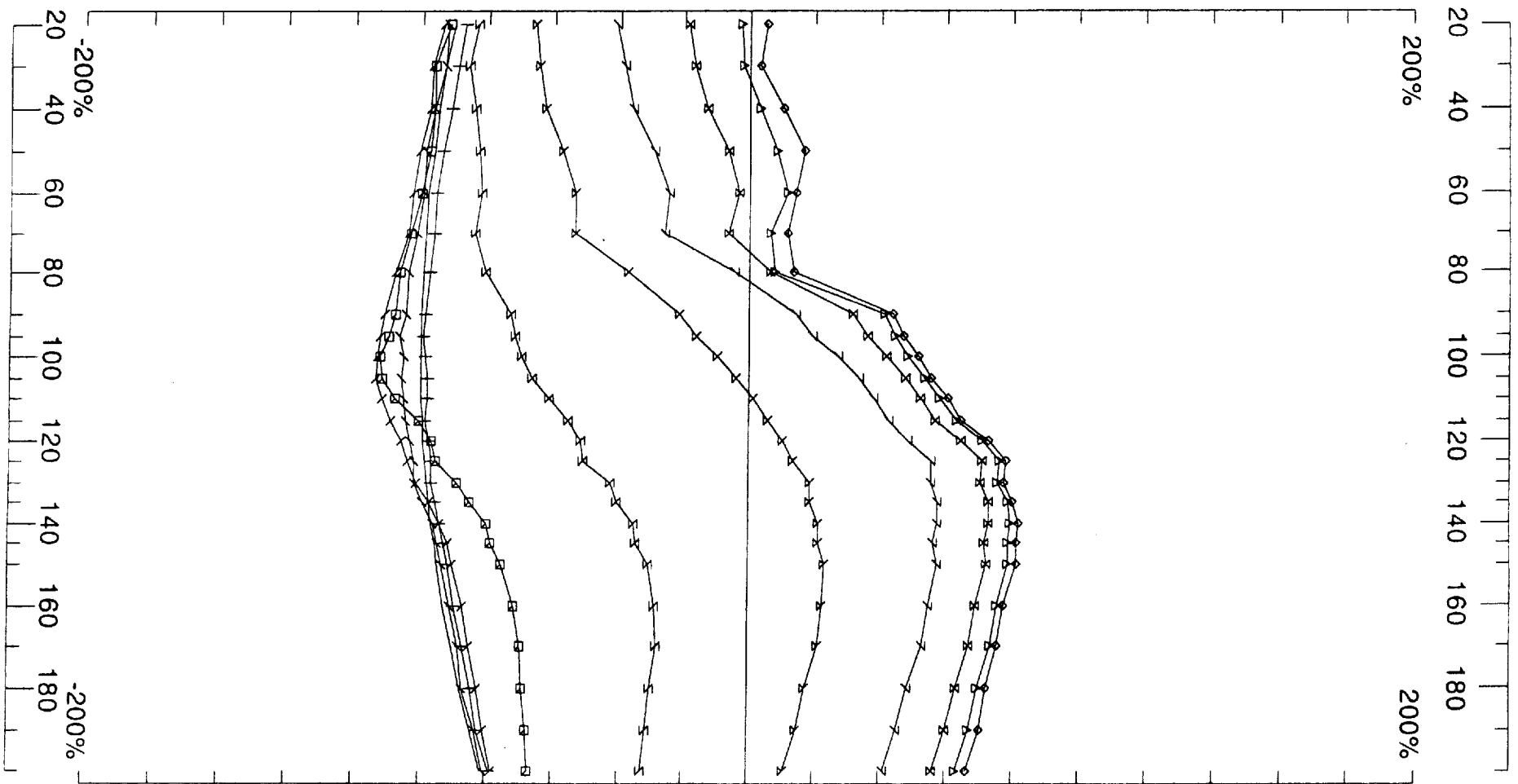
BHUTEM Survey at: Papavoine
For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job
 0118

Surveyed : 24/2/46
 Reduced : 16/5/1
 Plotted : 19/5/1



Loop: 1-bh1

Total, Chn/|Hp|

Hole: 1

Contin. Norm at depth of 0 m

Compt: Axial

Base Freq. 3.976 Hz

BHTEM Survey at: Papavoine

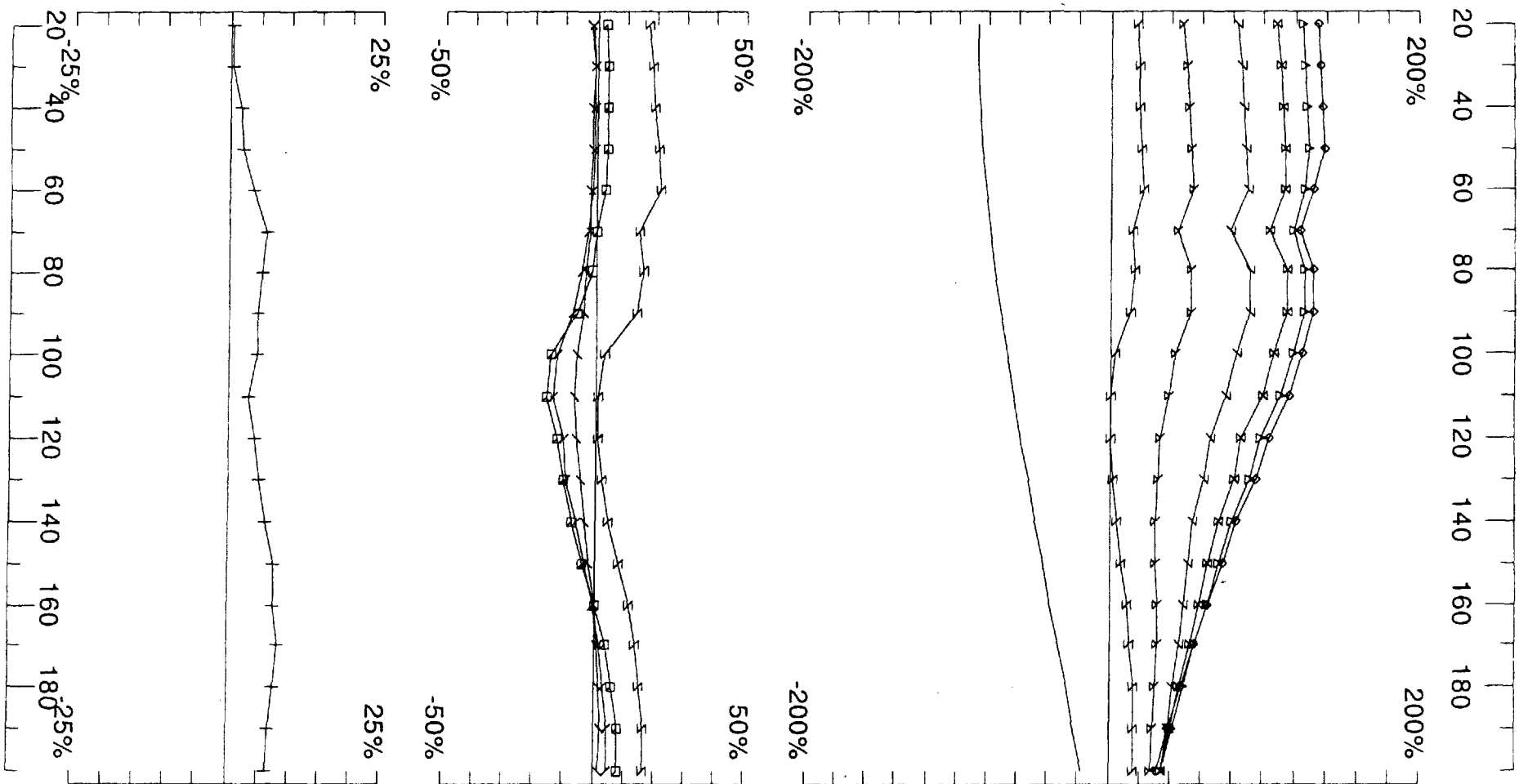
For: WMC International Limited

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Job
0118

Surveyed : 24/2/46
Reduced : 16/5/1
Plotted : 19/5/1

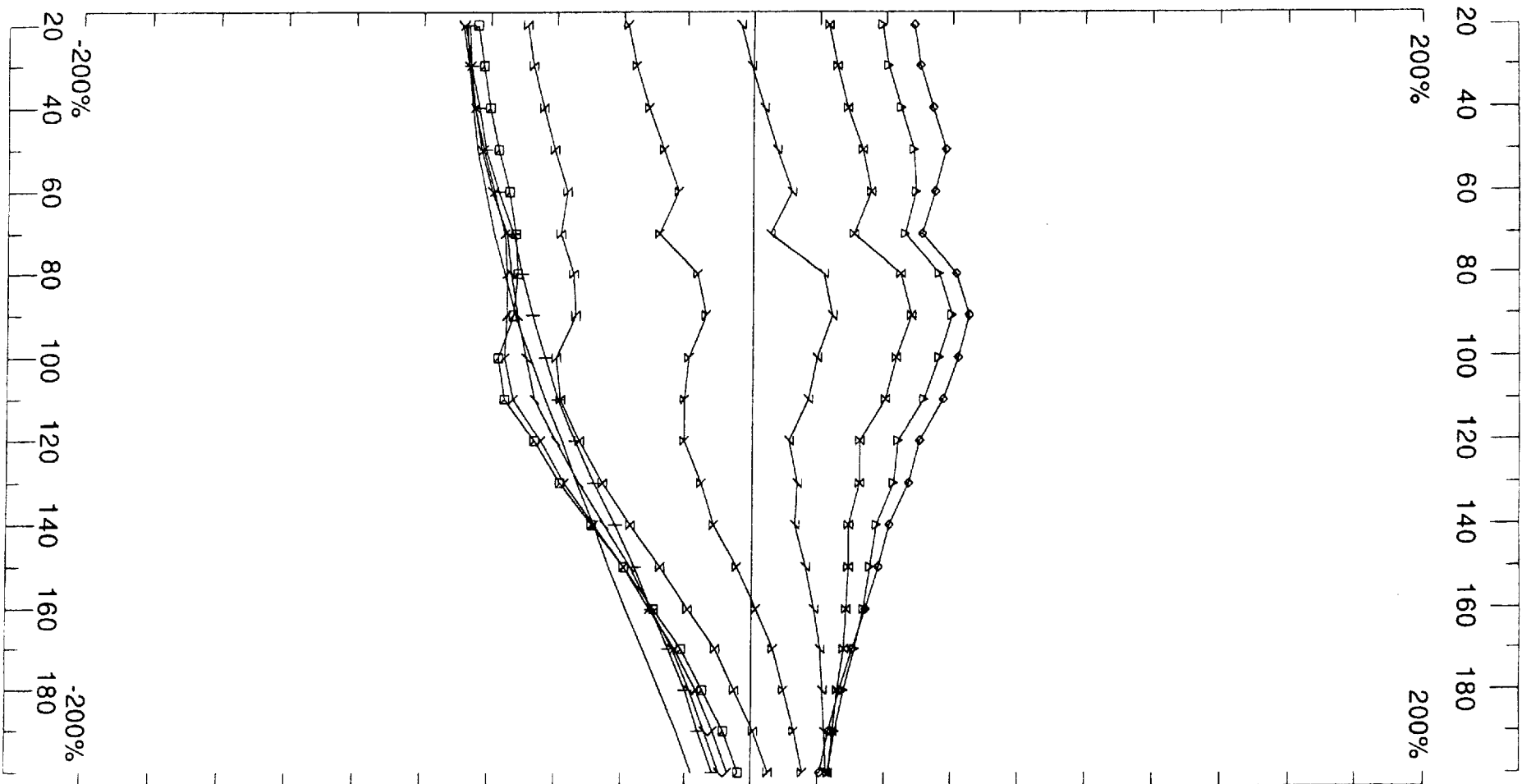


Loop: 2-bh1 Secondary, (Chn - Ch1)/|Hp|
 Hole: 1 Contin. Norm at depth of 0 m
 Compt: Axial Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine
For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job 0118
 Surveyed : 24/2/46
 Reduced : 16/5/1
 Plotted : 19/5/1

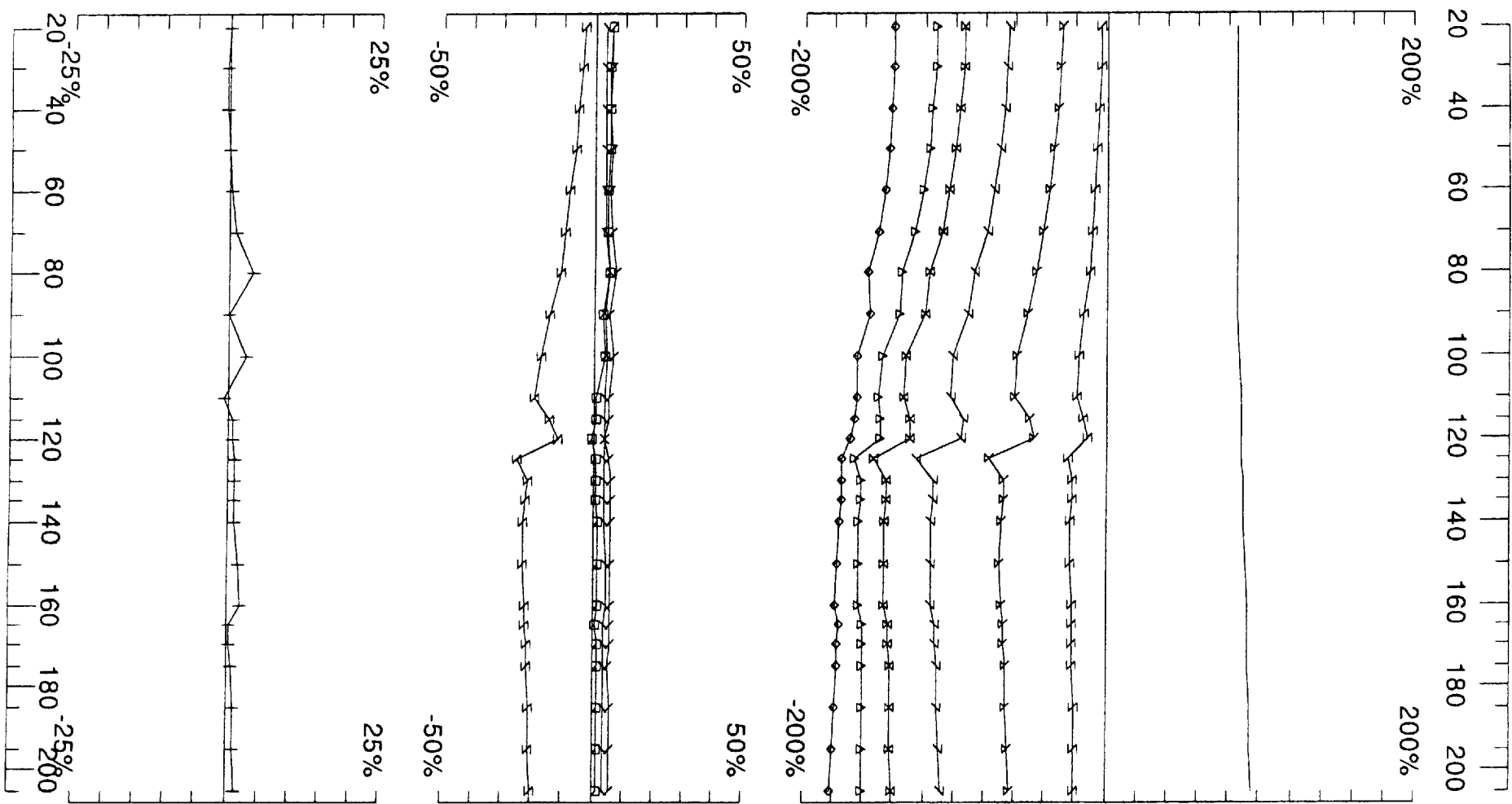


Loop: 2-bh1	Total, Chn/ Hp	BHUTEM Survey at: Papavoine		
Hole: 1	Contin. Norm at depth of 0 m	For: WMC International Limited		
Compt: Axial	Base Freq. 3.976 Hz	LAMONTAGNE	GEOPHYSICS LTD GEOPHYSIQUE LTEE	Job 0118 Surveyed : 24/2/46 Reduced : 16/5/1 Plotted : 19/5/1

Hole 2
Profiles
@ 3.976 Hz

Hole 2 (4Hz)

Loop 1-bh2



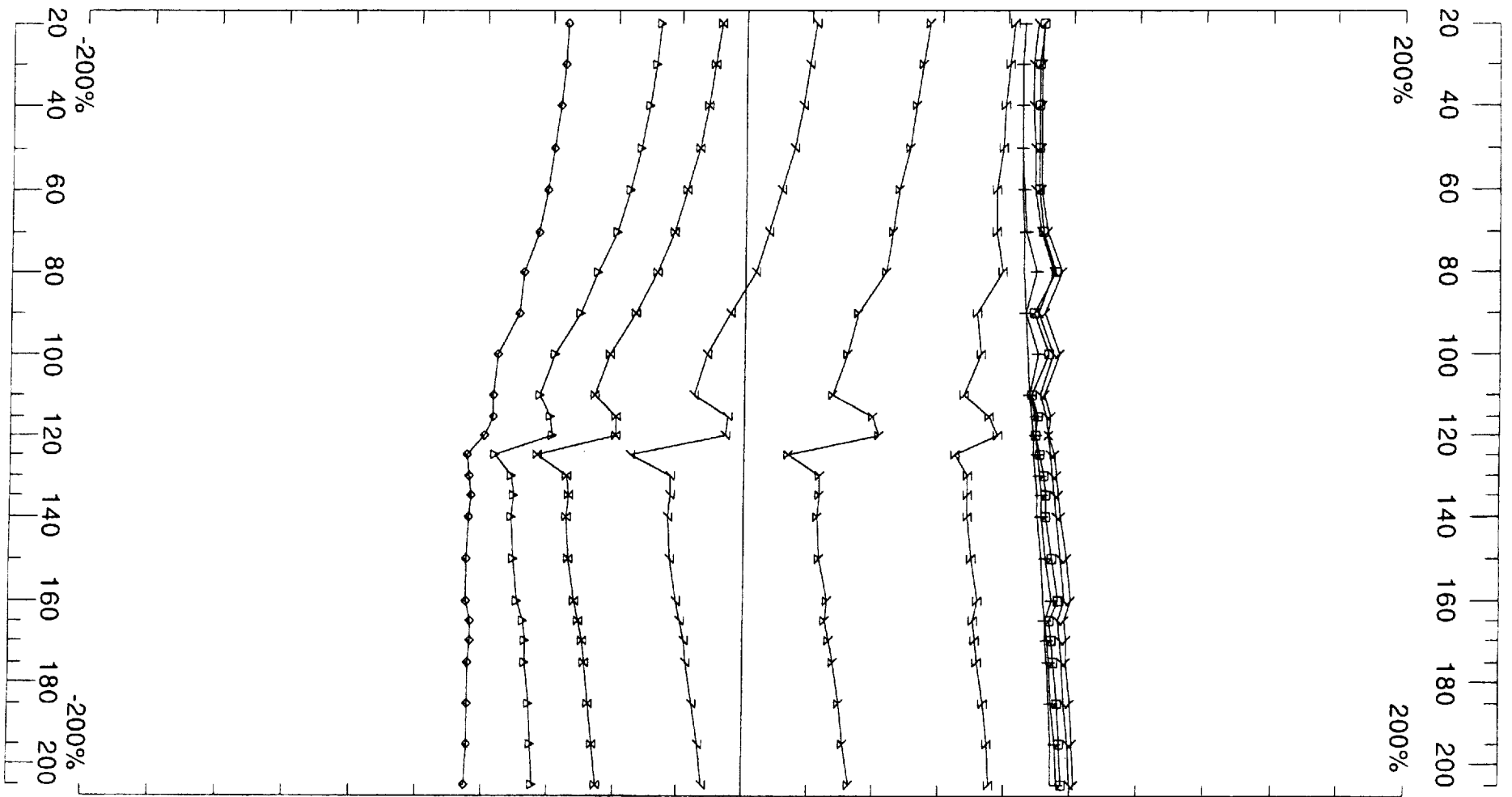
Loop: 1-bh2
 Hole: 2
 Compt: Axial

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 4.086 Hz

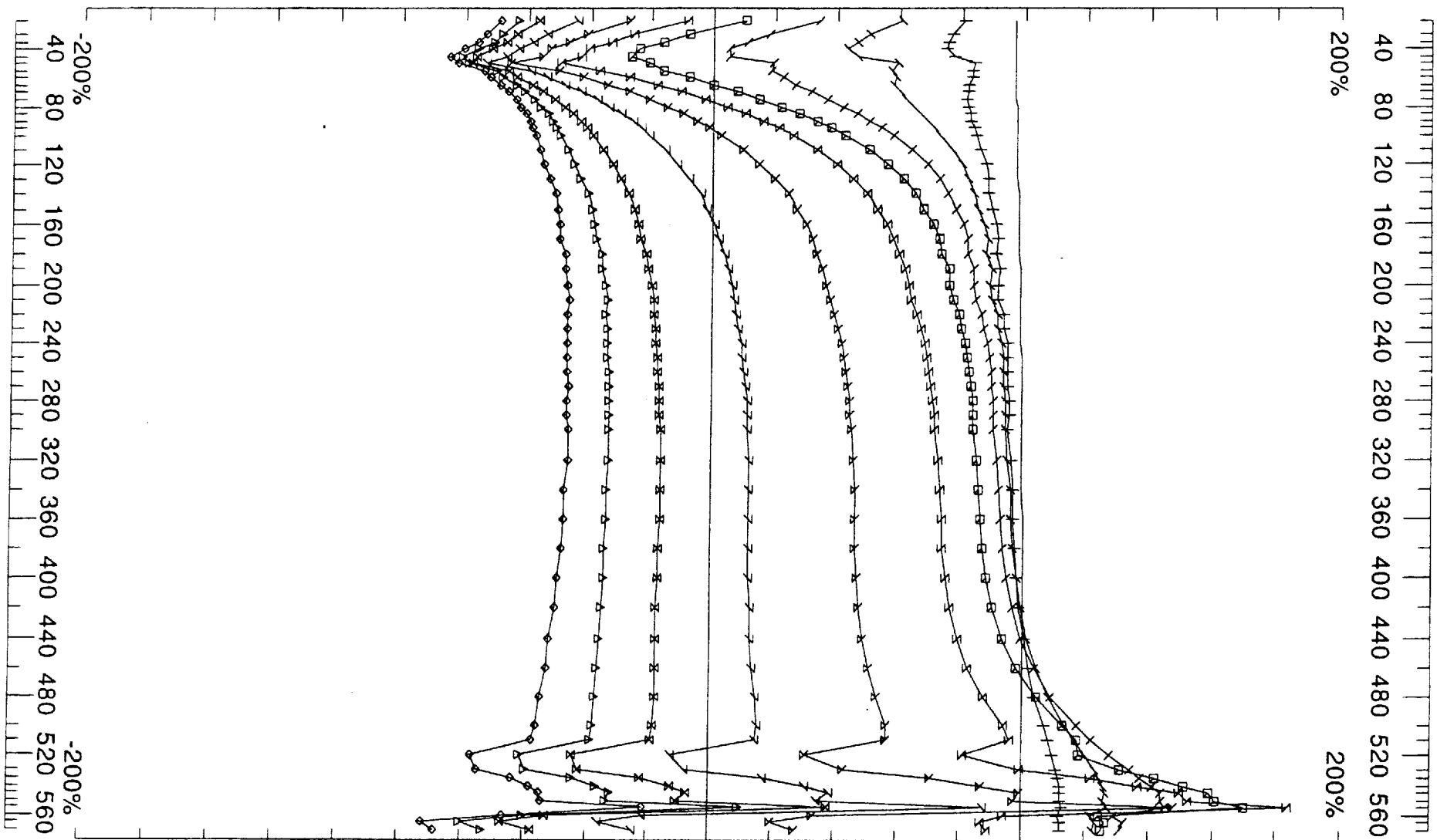
BHUTEM Survey at: Papavoine
For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job 0118
 Surveyed : 27/2/46
 Reduced : 16/5/1
 Plotted : 19/5/1



Loop: 1-bh2	Total, Chn/ Hp	BHUTEM Survey at: Papavoine	
Hole: 2	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Axial	Base Freq. 4.086 Hz	LAMONTAGNE	Job 0118
			Surveyed : 27/2/46 Reduced : 16/5/1 Plotted : 19/5/1



Loop: 1-bh3

Total, Chn/|Hp|

Hole: 3

Contin. Norm at depth of 0 m

Compt: Axial

Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine

For: WMC International Limited

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GEOPHYSIQUE LTEE

Job
0118

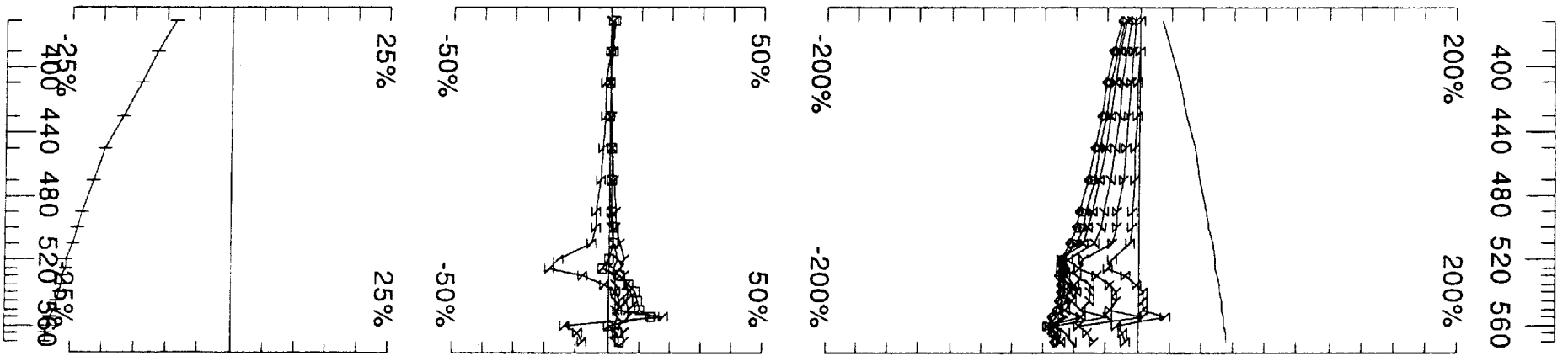
Surveyed : 8/3/46
Reduced : 16/5/1
Plotted : 19/5/1

Hole 3

Profiles

@ 3.976 Hz

Hole 3 (4Hz) Loop 1-bh3
 Loop 2-bh3
 Loop 3-bh3



Loop: 2-bh3

Secondary, $(Chn - Ch1)/|Hp|$

Hole: 3

Contin. Norm at depth of 0 m

Compt: Axial

Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine

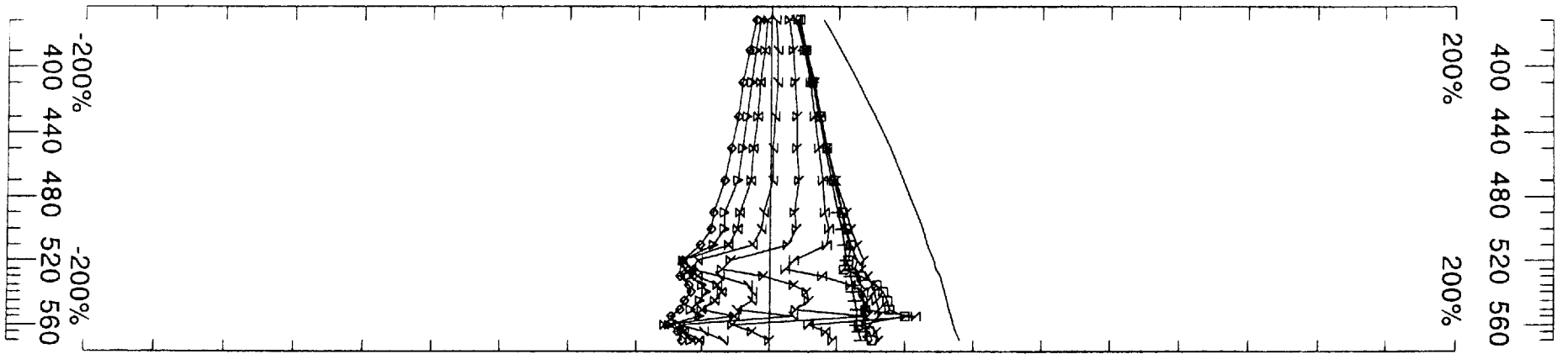
For: WMC International Limited

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Job
0118

Surveyed : 11/3/46
Reduced : 17/5/1
Plotted : 19/5/1



Loop: 2-bh3

Hole: 3

Compt: Axial

Total, Chn/[Hp]

Contin. Norm at depth of 0 m

Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine

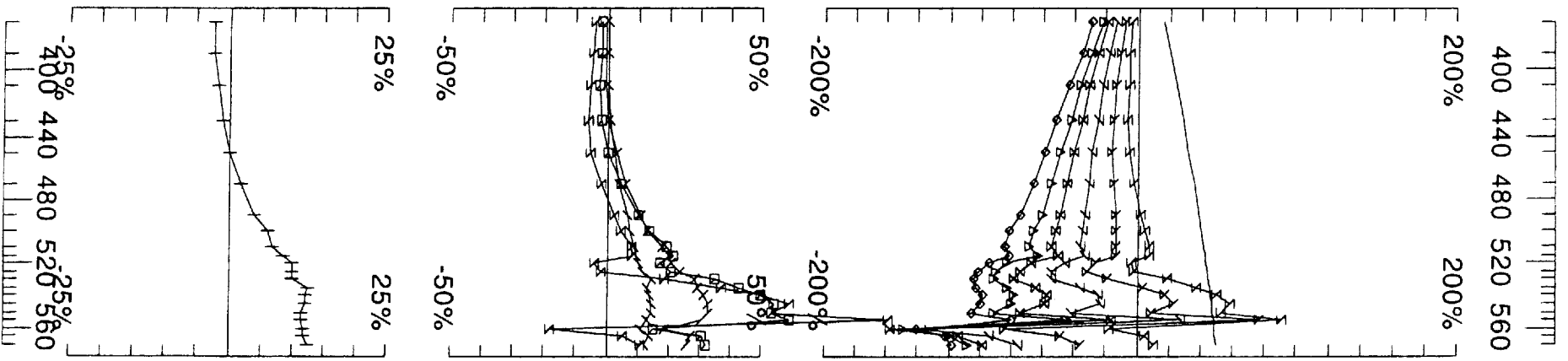
For: WMC International Limited

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GEOPHYSIQUE LTEE

Job
0118

Surveyed : 11/3/46
Reduced : 17/5/1
Plotted : 19/5/1



Loop: 3-bh3

Secondary, $(Chn - Ch1)/|Hp|$

Hole: 3

Contin. Norm at depth of 0 m

Compt: Axial

Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine

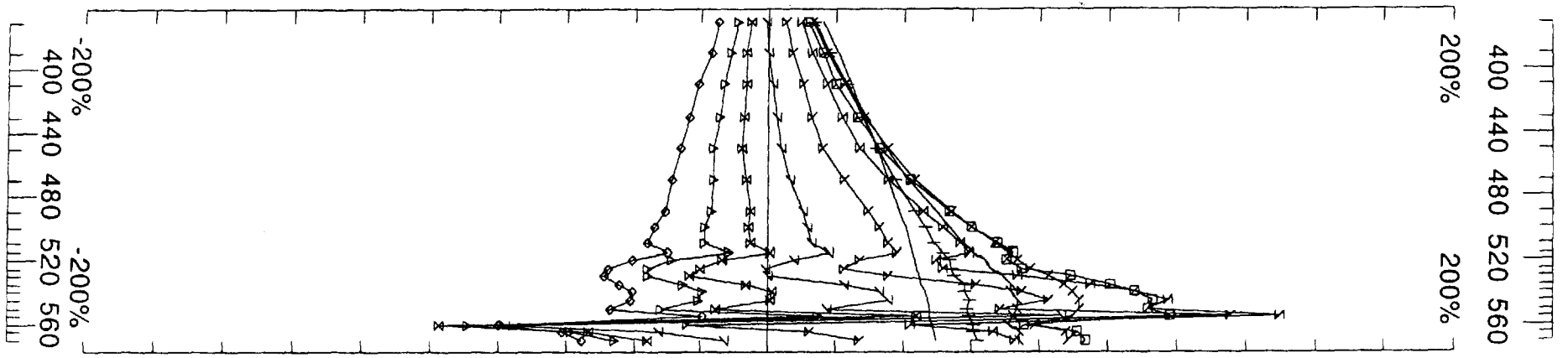
For: WMC International Limited

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Job
0118

Surveyed : 12/3/46
Reduced : 16/5/1
Plotted : 19/5/1



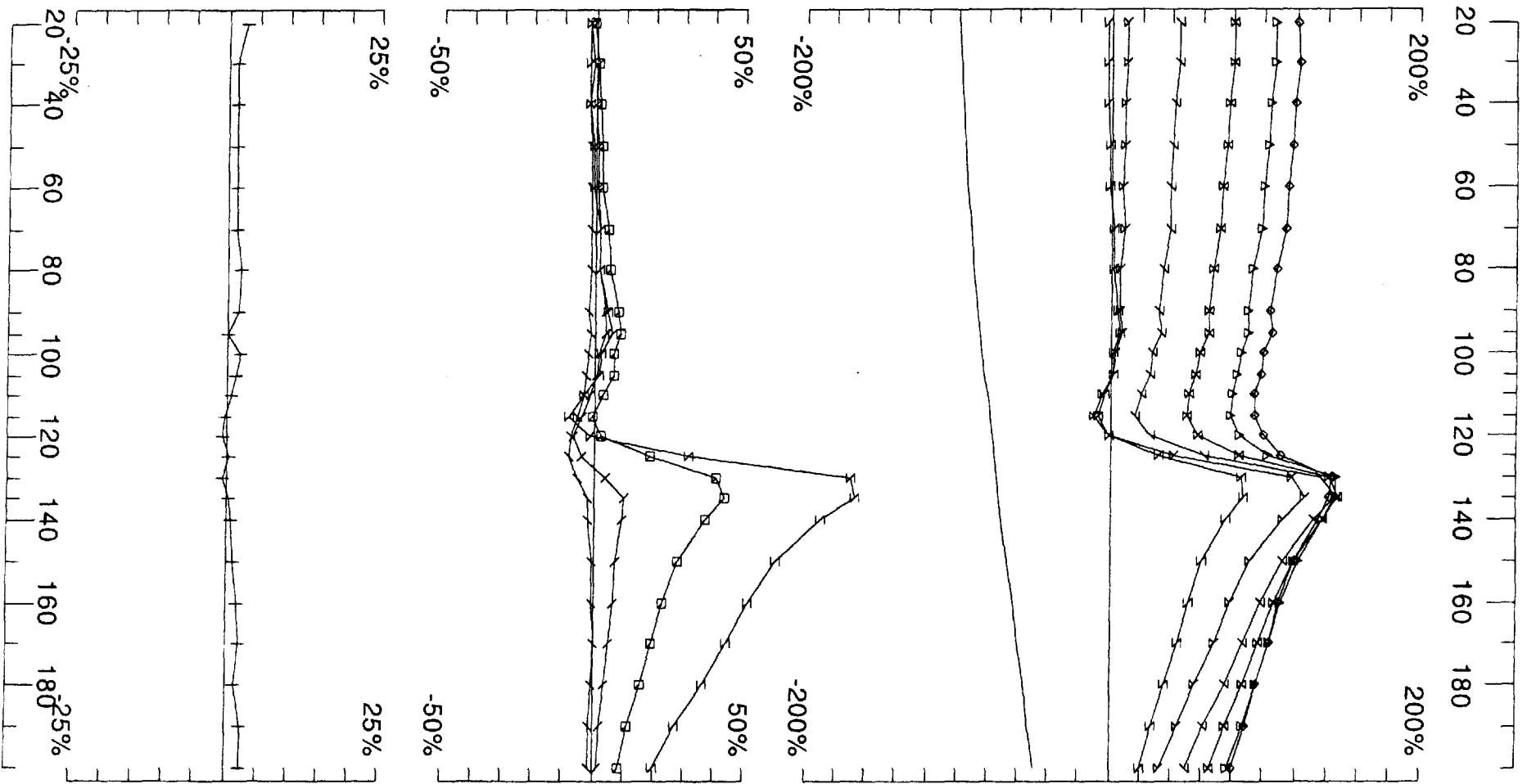
Loop: 3-bh3	Total, Chn/ Hp	BHUTEM Survey at: Papavoine	
Hole: 3	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Axial	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 12/3/46 Reduced : 16/5/1 Plotted : 19/5/1

Hole 4

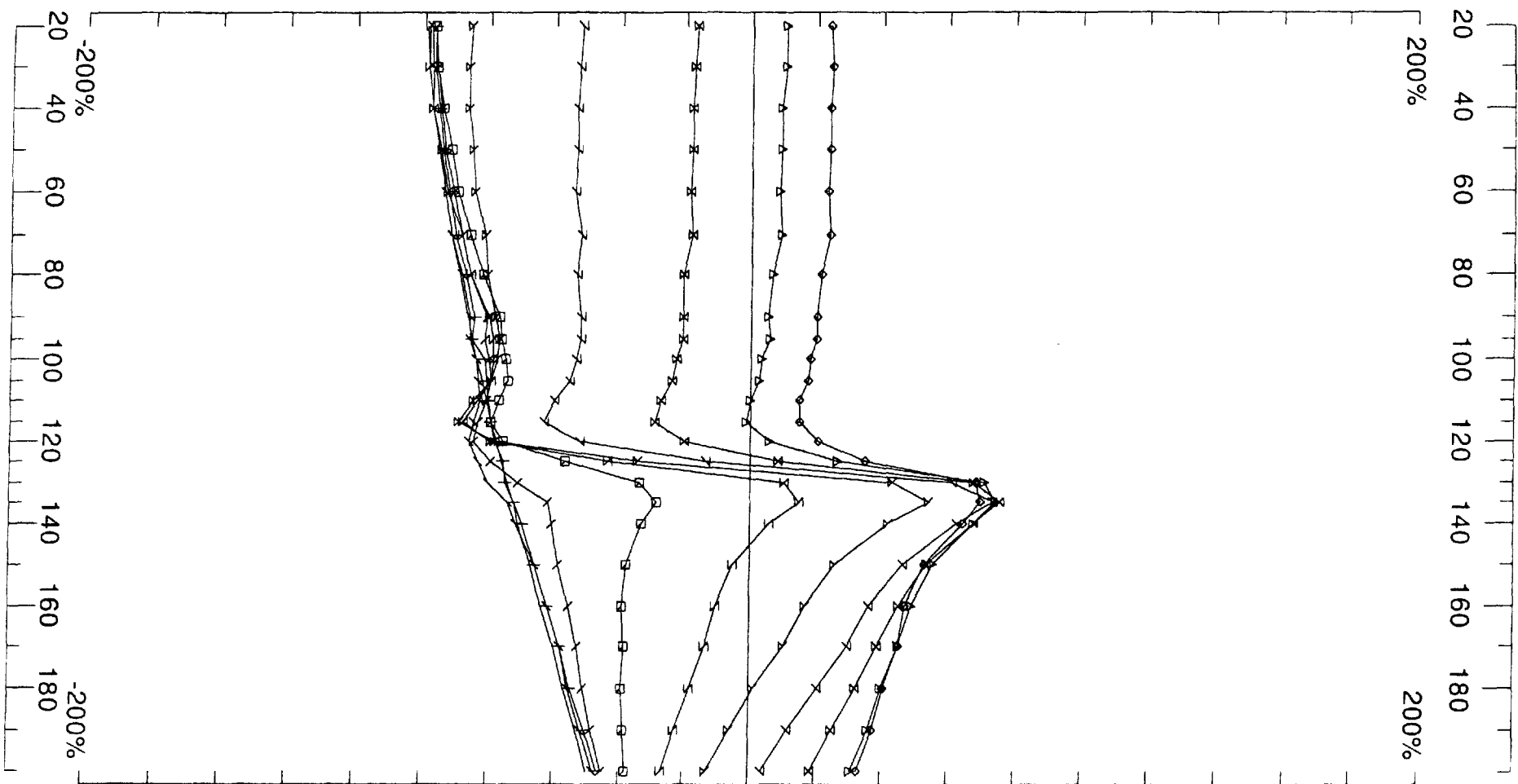
Profiles

@ 3.976 Hz

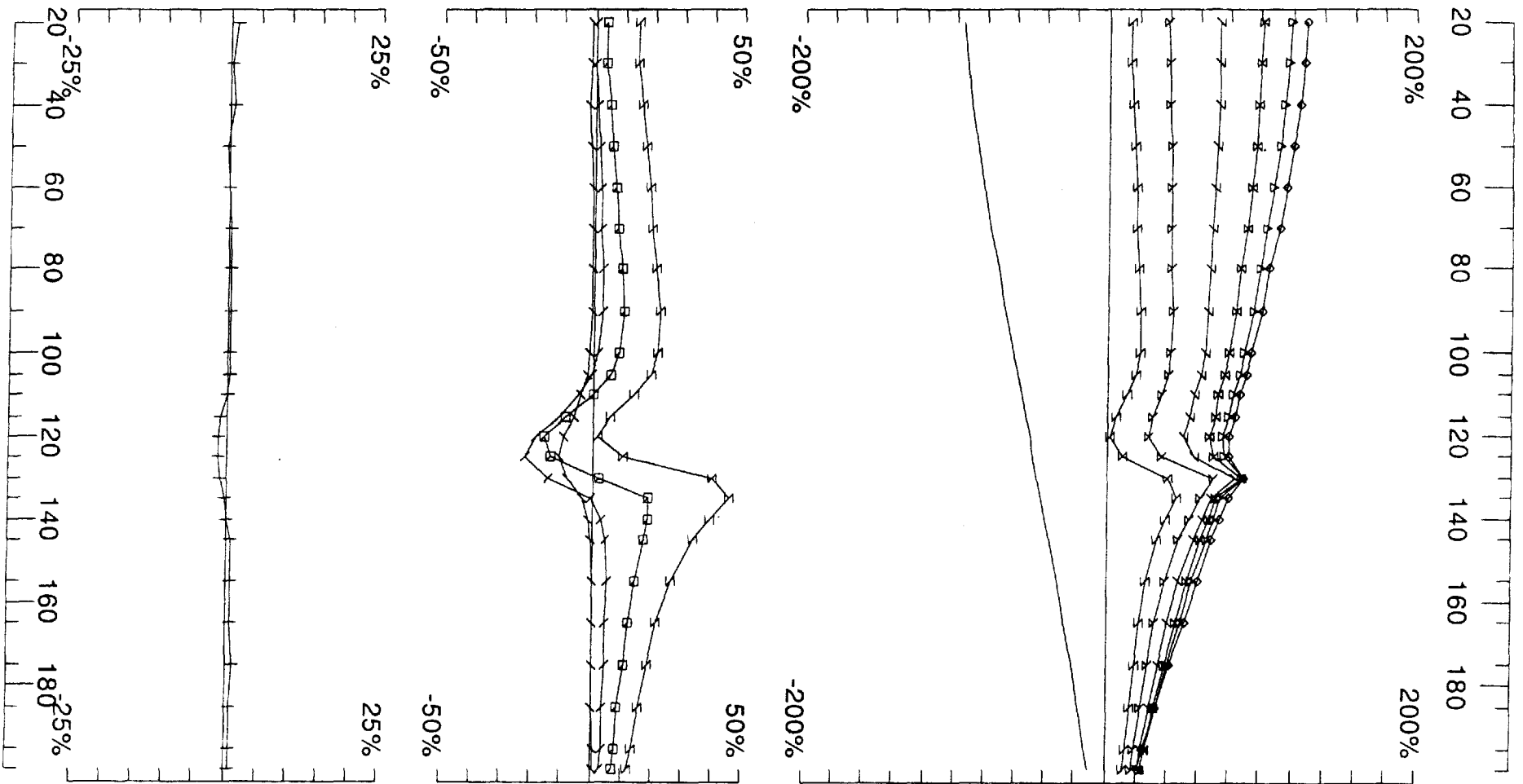
Hole 4 (4Hz) Loop 1-bh4
Loop 2-bh4



Loop: 1-bh4	Secondary, (Chn - Ch1)/ Hp	BHUTEM Survey at: Papavoine	
Hole: 4	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Axial	Base Freq. 3.976 Hz	LAMONTAGNE	Job 0118
			GEOPHYSICS LTD GEOPHYSIQUE LTEE Surveyed : 3/3/46 Reduced : 16/5/1 Plotted : 19/5/1



Loop: 1-bh4	Total, Chn/ Hp	BHUTEM Survey at: Papavoine	
Hole: 4	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Axial	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 3/3/46 Reduced : 16/5/1 Plotted : 19/5/1



Loop: 2-bh4
 Hole: 4
 Compt: Axial

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

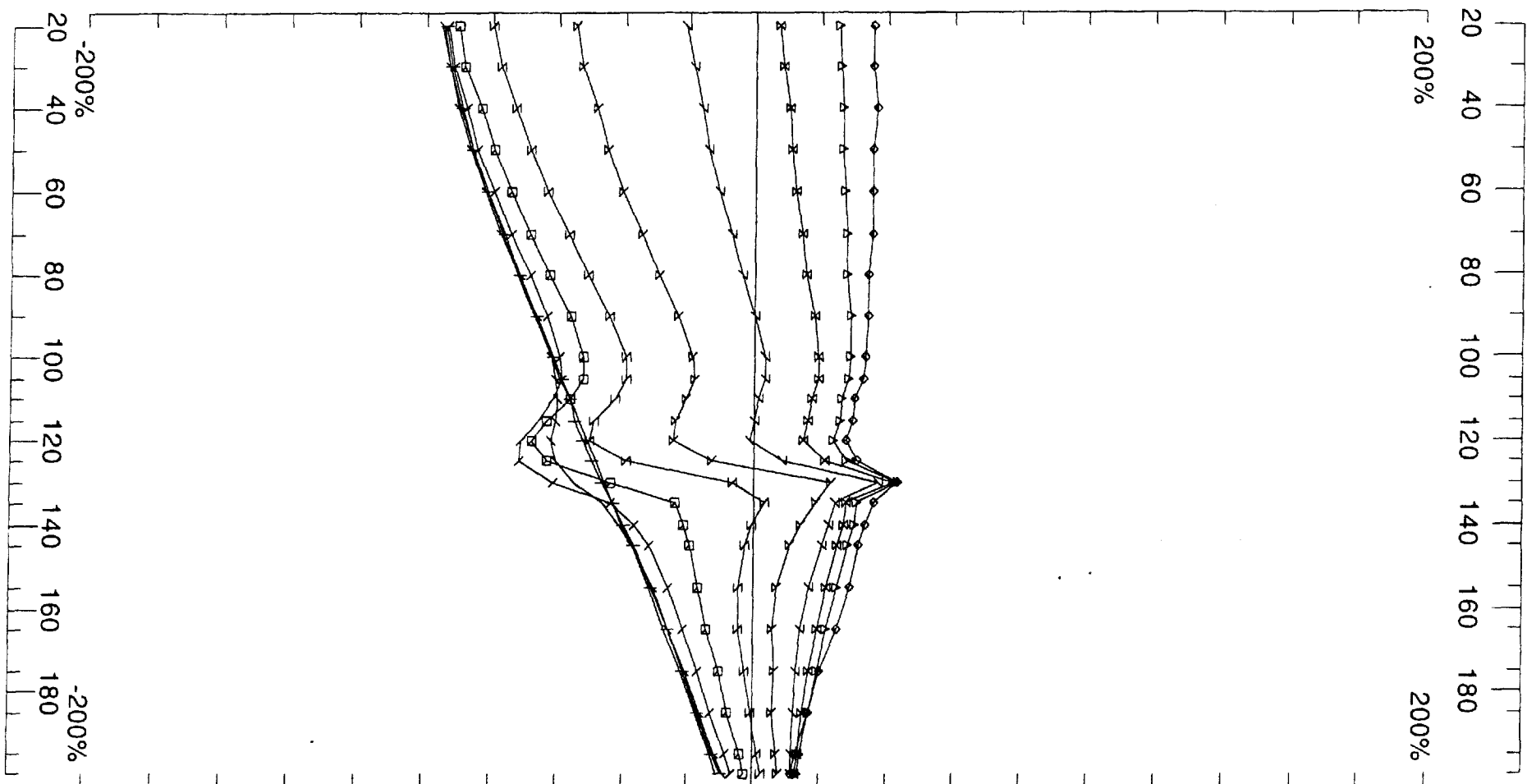
BHUTEM Survey at: Papavoine
For: WMC International Limited

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GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job
 0118

Surveyed : 3/3/46
 Reduced : 16/5/1
 Plotted : 19/5/1



Loop: 2-bh4
 Hole: 4
 Compt: Axial

Total, Chn/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE Job 0118
 Surveyed : 3/3/46
 Reduced : 16/5/1
 Plotted : 19/5/1

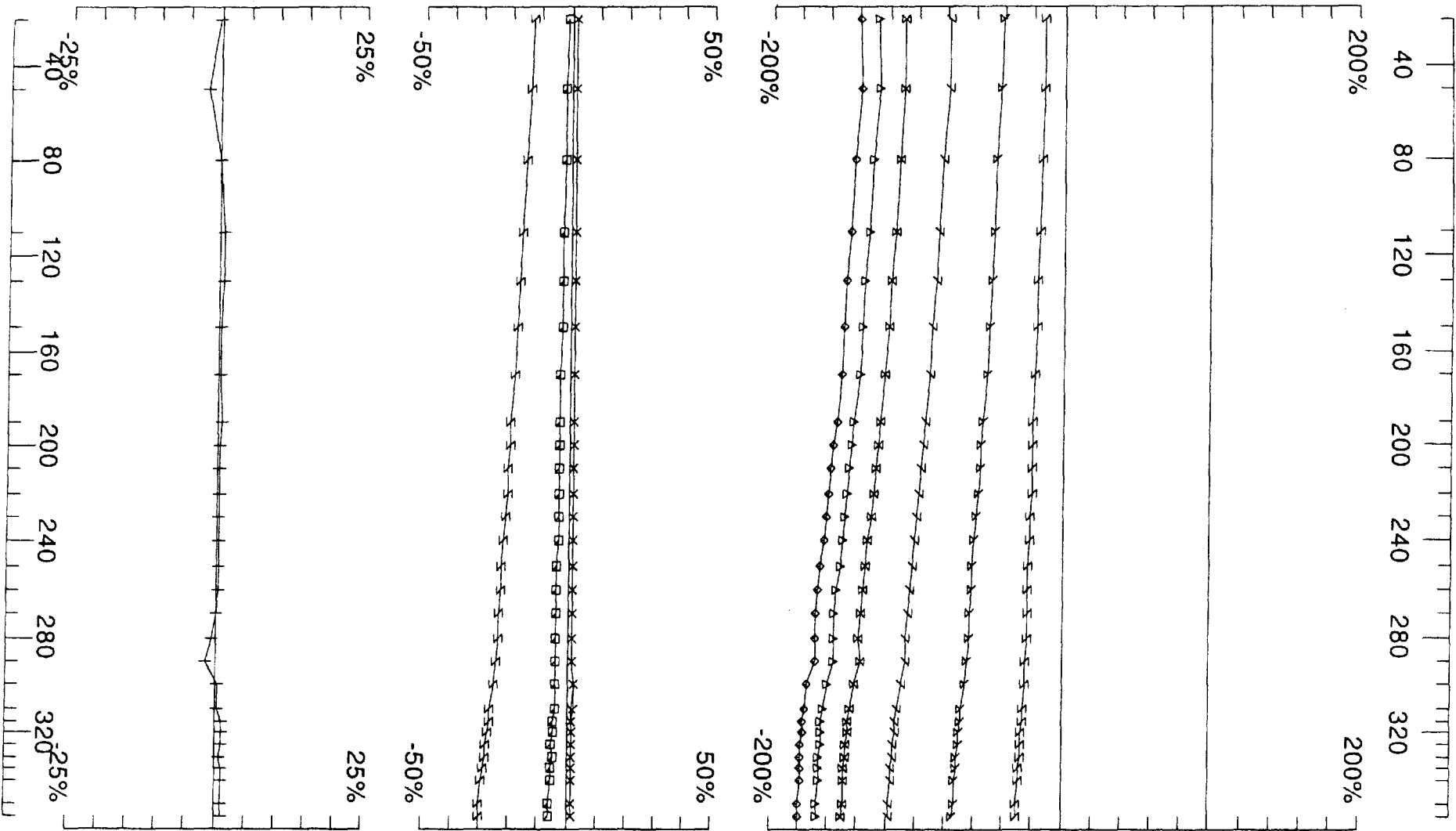
Hole 5

Profiles

@ 3.976 Hz

Hole 5 (4Hz)

Loop 1-bh5



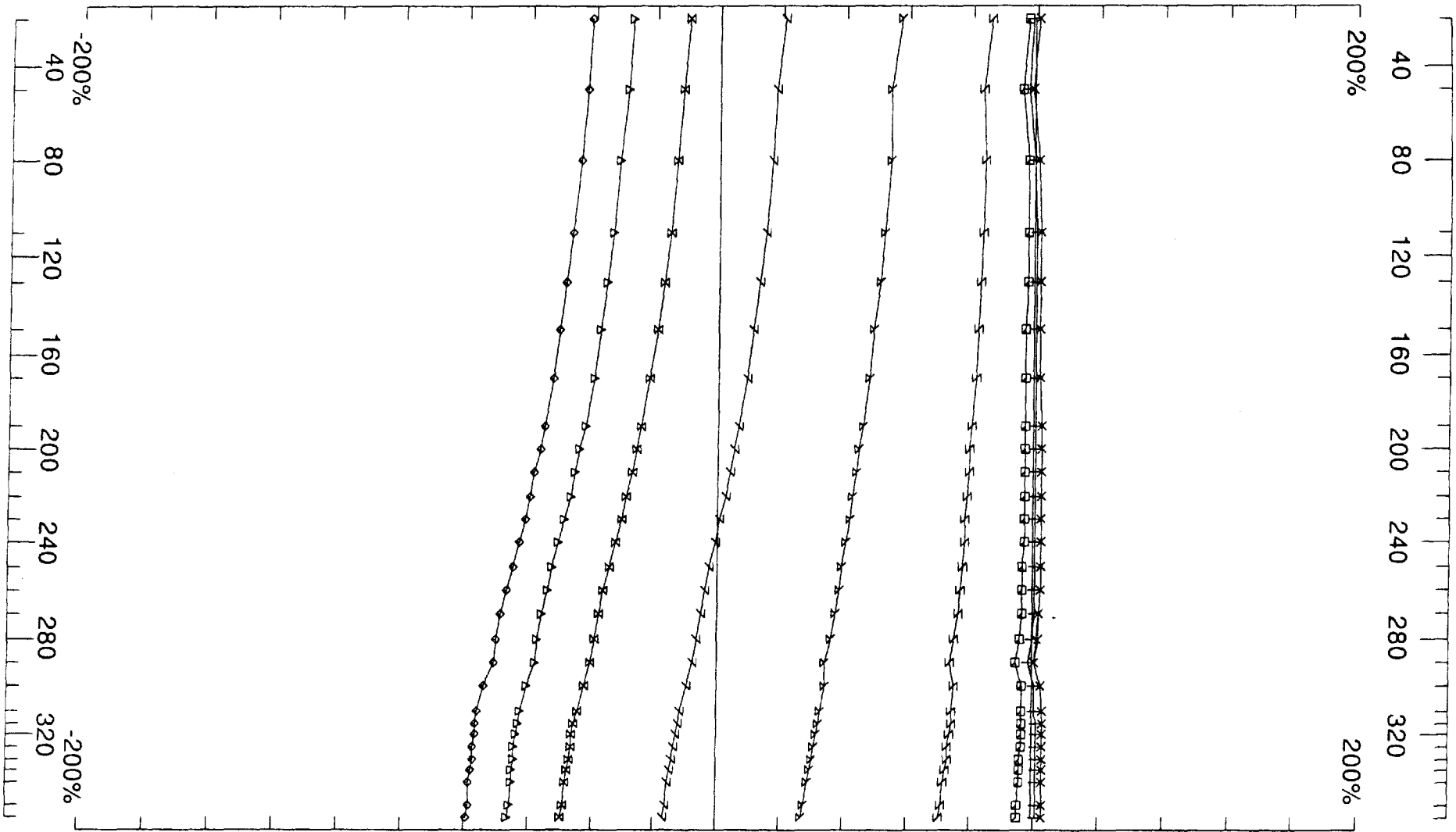
Loop: 1-bh5
Hole: 5
Compt: Axial

Secondary, (Chn - Ch1)/|Hp|
Contin. Norm at depth of 0 m
Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine
For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
GEOPHYSIQUE LTEE

Job 0118
Surveyed : 9/3/46
Reduced : 17/5/1
Plotted : 19/5/1

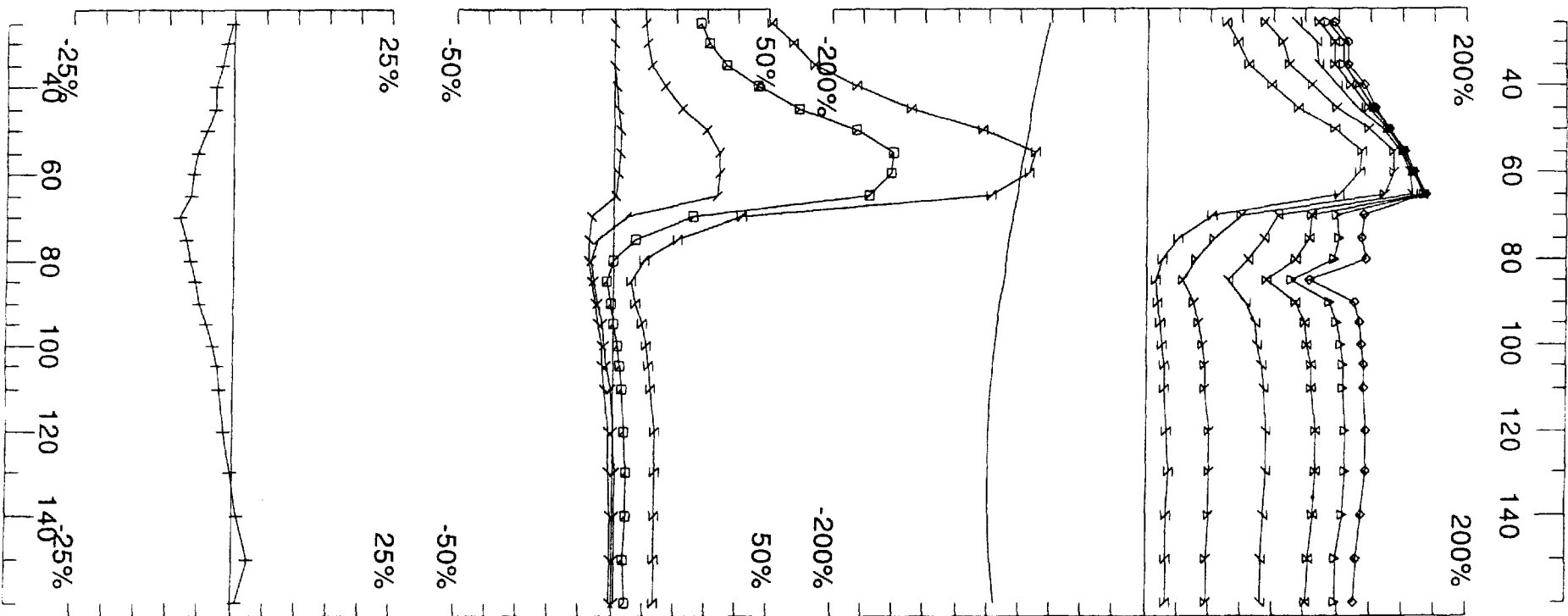


Loop: 1-bh5	Total, Chn/ Hp	BHUTEM Survey at: Papavoine	
Hole: 5	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Axial	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD	Job 0118
		GEOPHYSIQUE LTEE	Surveyed : 9/3/46 Reduced : 17/5/1 Plotted : 19/5/1

Hole 6
Profiles
@ 3.976 Hz

Hole 6 (4Hz)

Loop 1-bh6



Loop: 1-bh6
 Hole: 6
 Compt: Axial

Secondary, $(Chn - Ch1)/|Hp|$
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

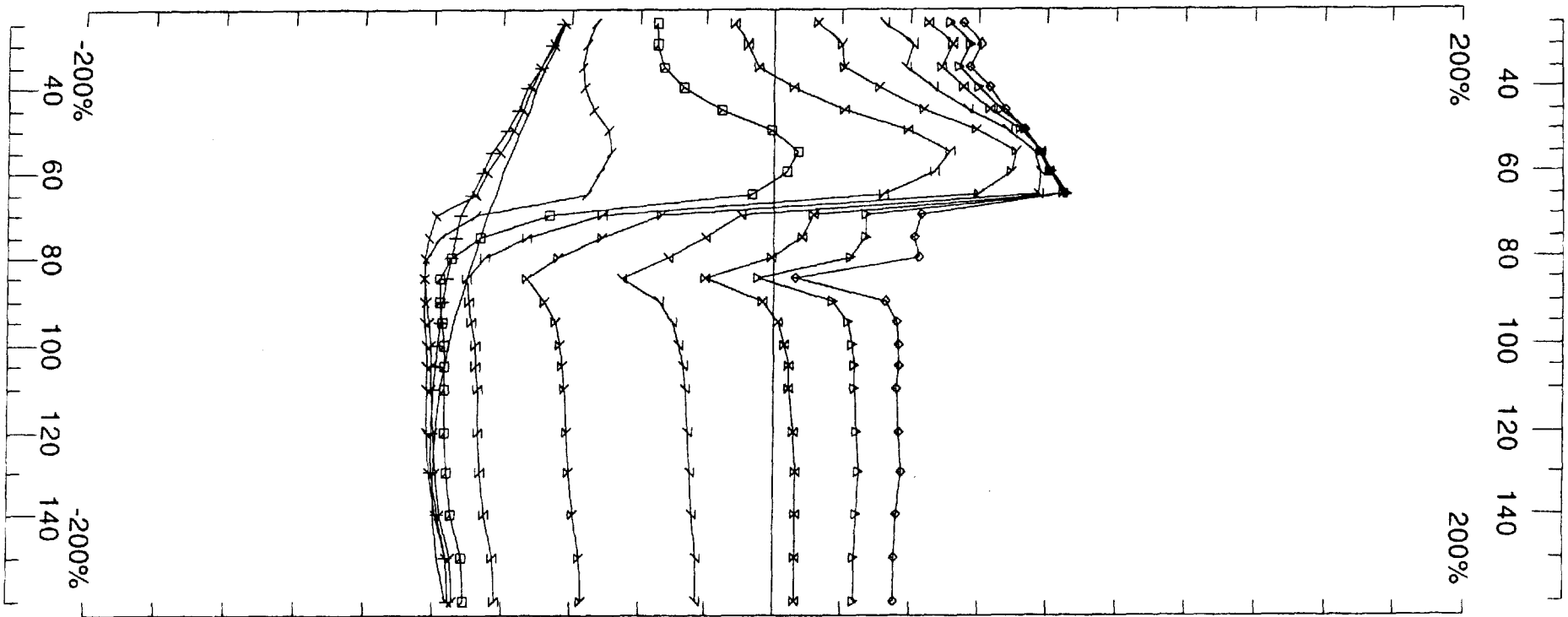
BHUTEM Survey at: Papavoine
For: WMC International Limited

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GEOPHYSICS LTD
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Job
 0118

Surveyed : 16/3/46
 Reduced : 17/5/1
 Plotted : 19/5/1



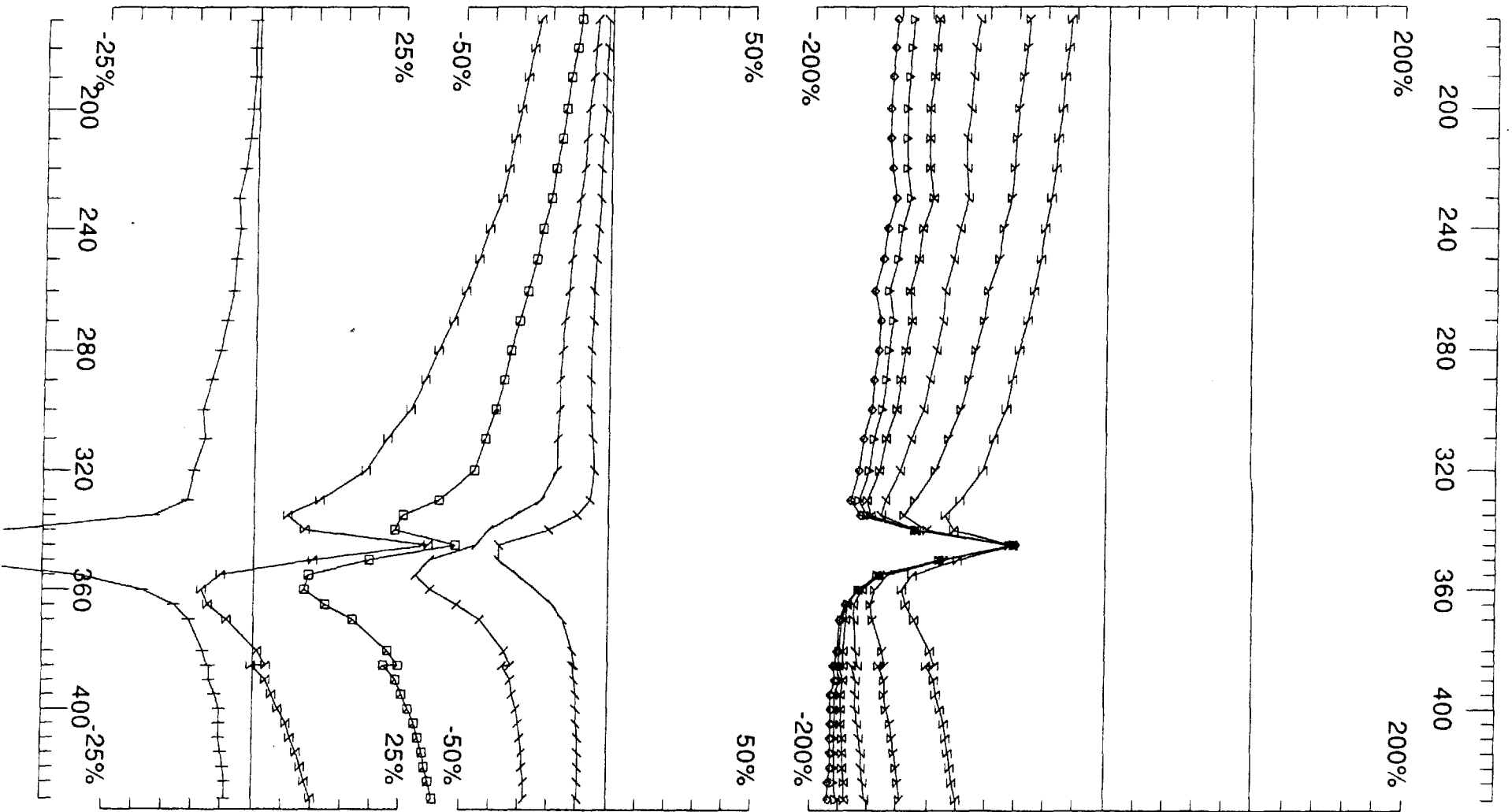
Loop: 1-bh6	Total, Chn/[Hp]	BHUTEM Survey at: Papavoine	
Hole: 6	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Axial	Base Freq. 3.976 Hz	LAMONTAGNE	GEOPHYSICS LTD Job Surveyed : 18/3/46 GEOPHYSIQUE LTEE 0118 Reduced : 17/5/1 Plotted : 19/5/1

Hole 7

Profiles

@ 3.976 Hz

Hole 7 (4Hz) Loop 1-bh7
Loop 2-bh7
Loop 3-bh7



Loop: 1-bh7

Secondary, (Chn - Ch1)/|Hp|

BHUTEM Survey at: Papavoine

Hole: 7

Contin. Norm at depth of 0 m

For: WMC International Limited

Compt: Axial

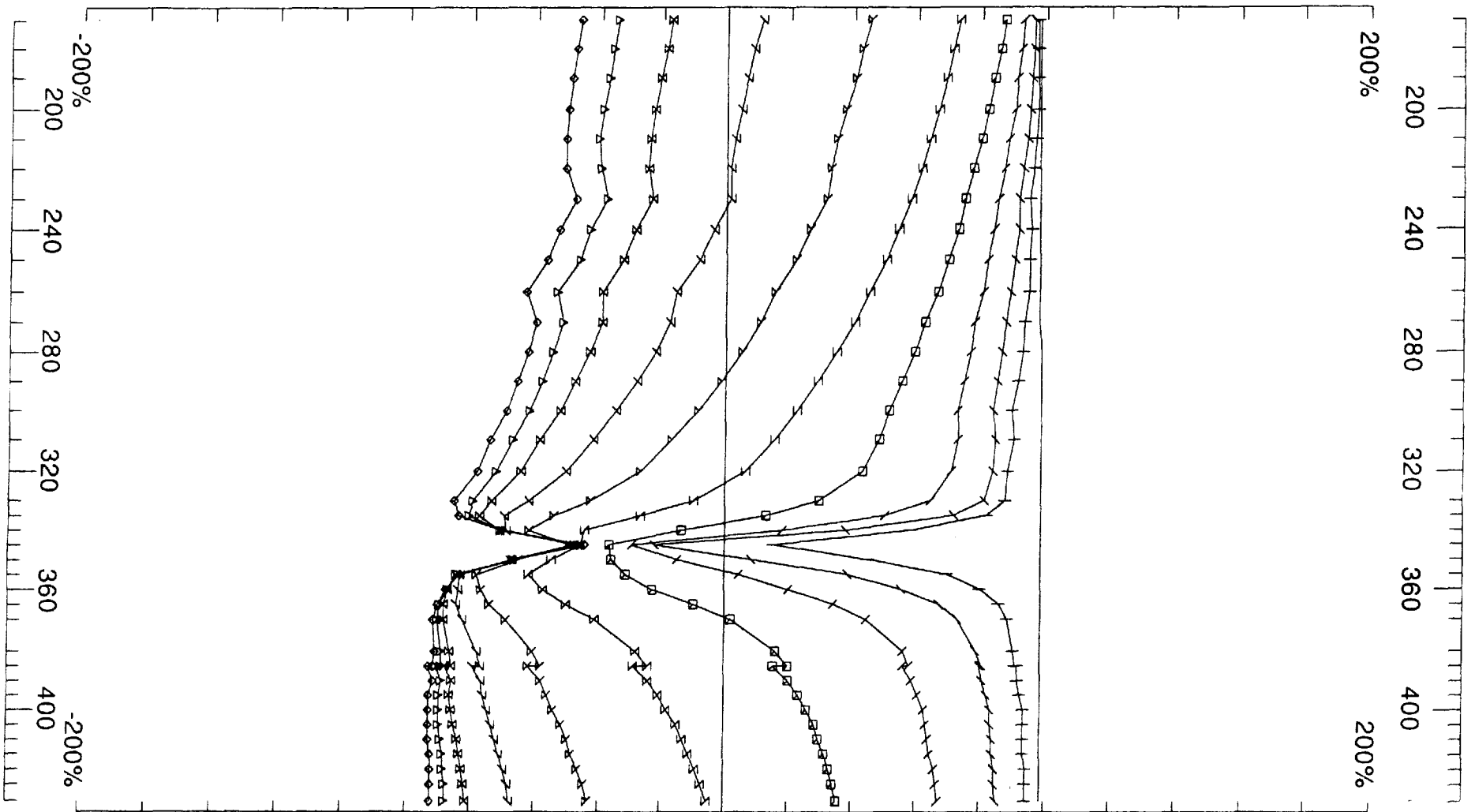
Base Freq. 3.976 Hz

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Job
0118

Surveyed : 15/3/46
Reduced : 17/5/1
Plotted : 19/5/1



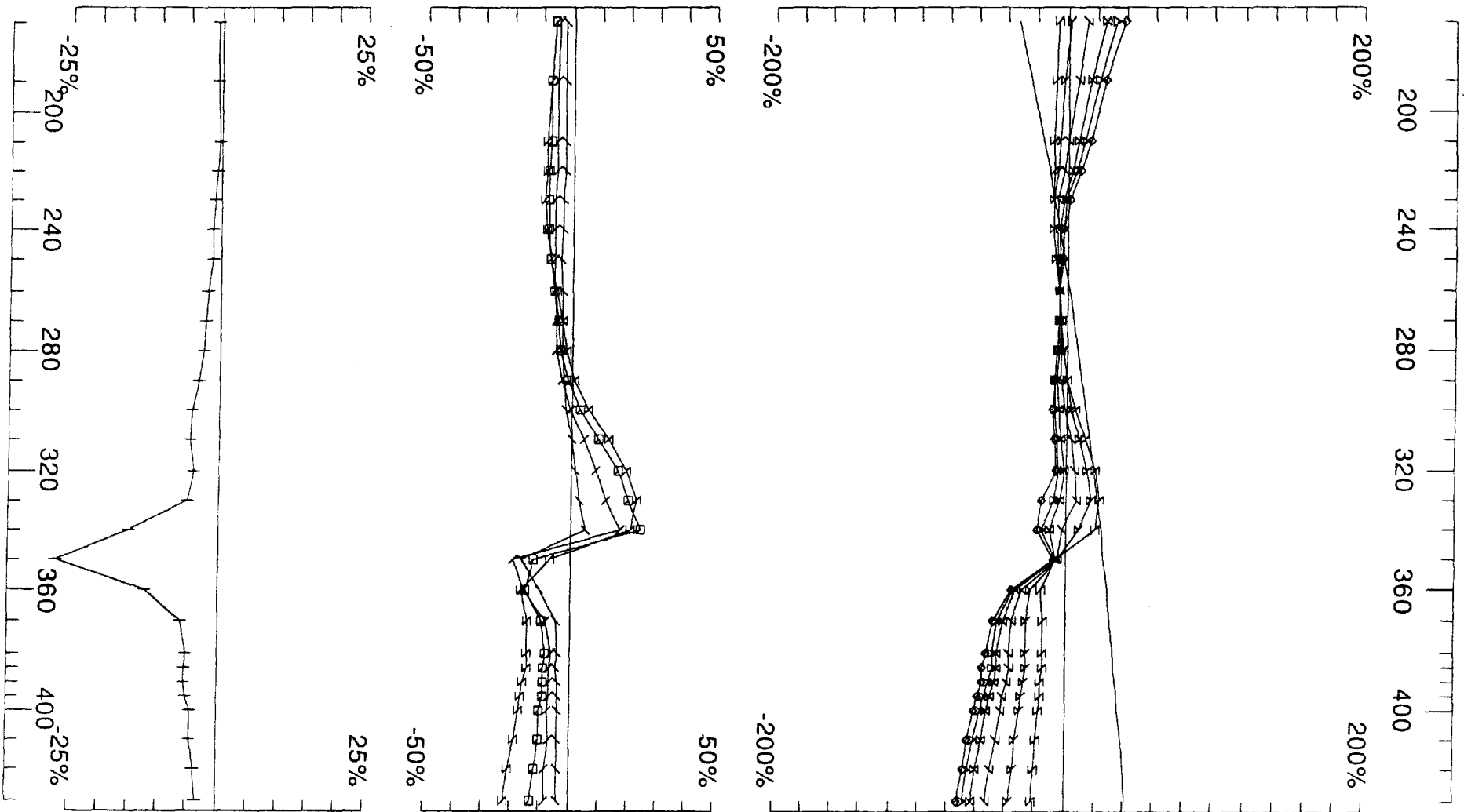
Loop: 1-bh7
 Hole: 7
 Compt: Axial

Total, Chn/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine
 For: WMC International Limited

LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job 0118
 Surveyed : 15/3/48
 Reduced : 17/5/1
 Plotted : 19/5/1



Loop: 2-bh7
 Hole: 7
 Compt: Axial

Secondary, (Chn - Ch1)/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

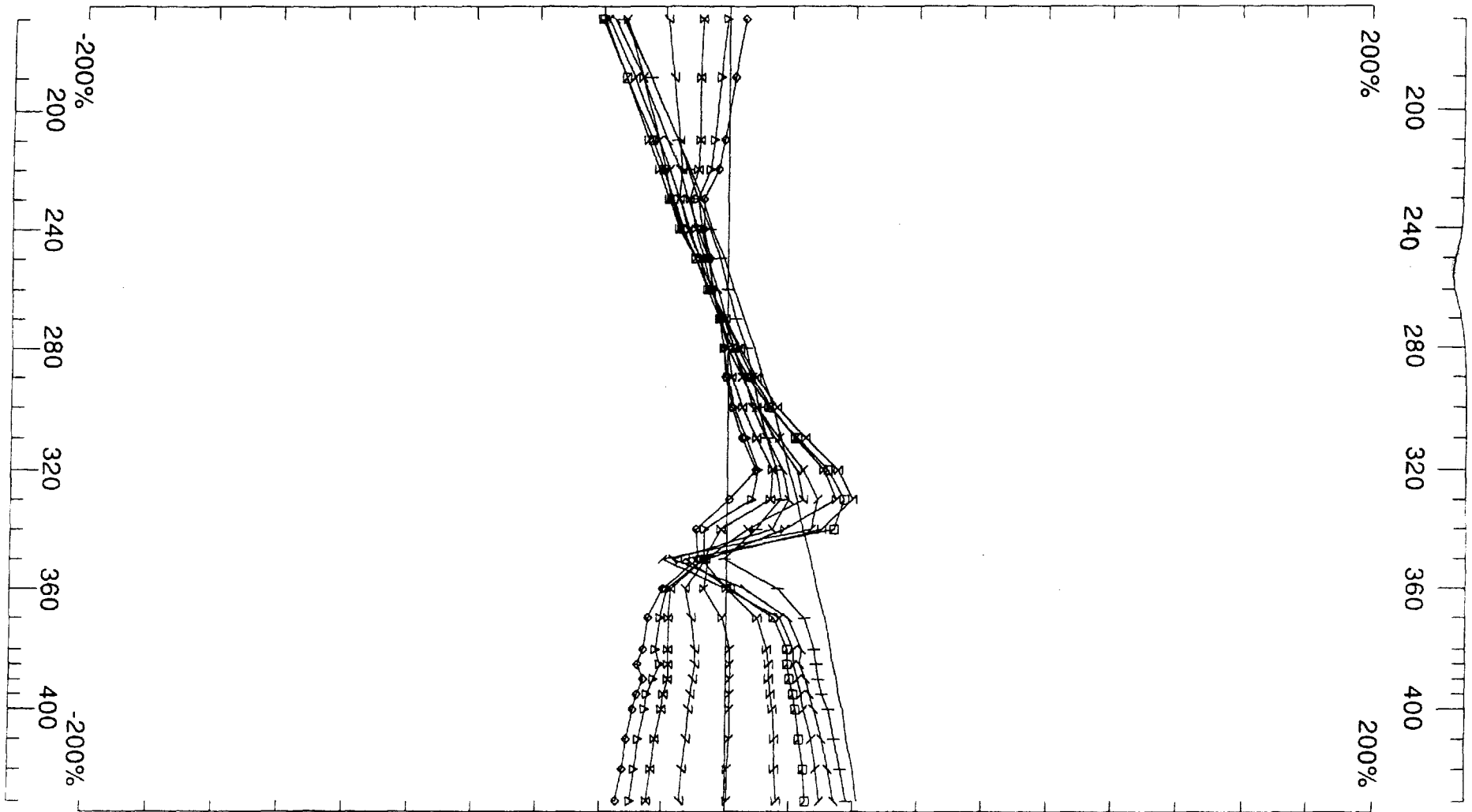
BHUTEM Survey at: Papavoine
For: WMC International Limited

LAMONTAGNE

GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job
 0118

Surveyed : 15/3/46
 Reduced : 17/5/1
 Plotted : 19/5/1



Loop: 2-bh7
 Hole: 7
 Compt: Axial

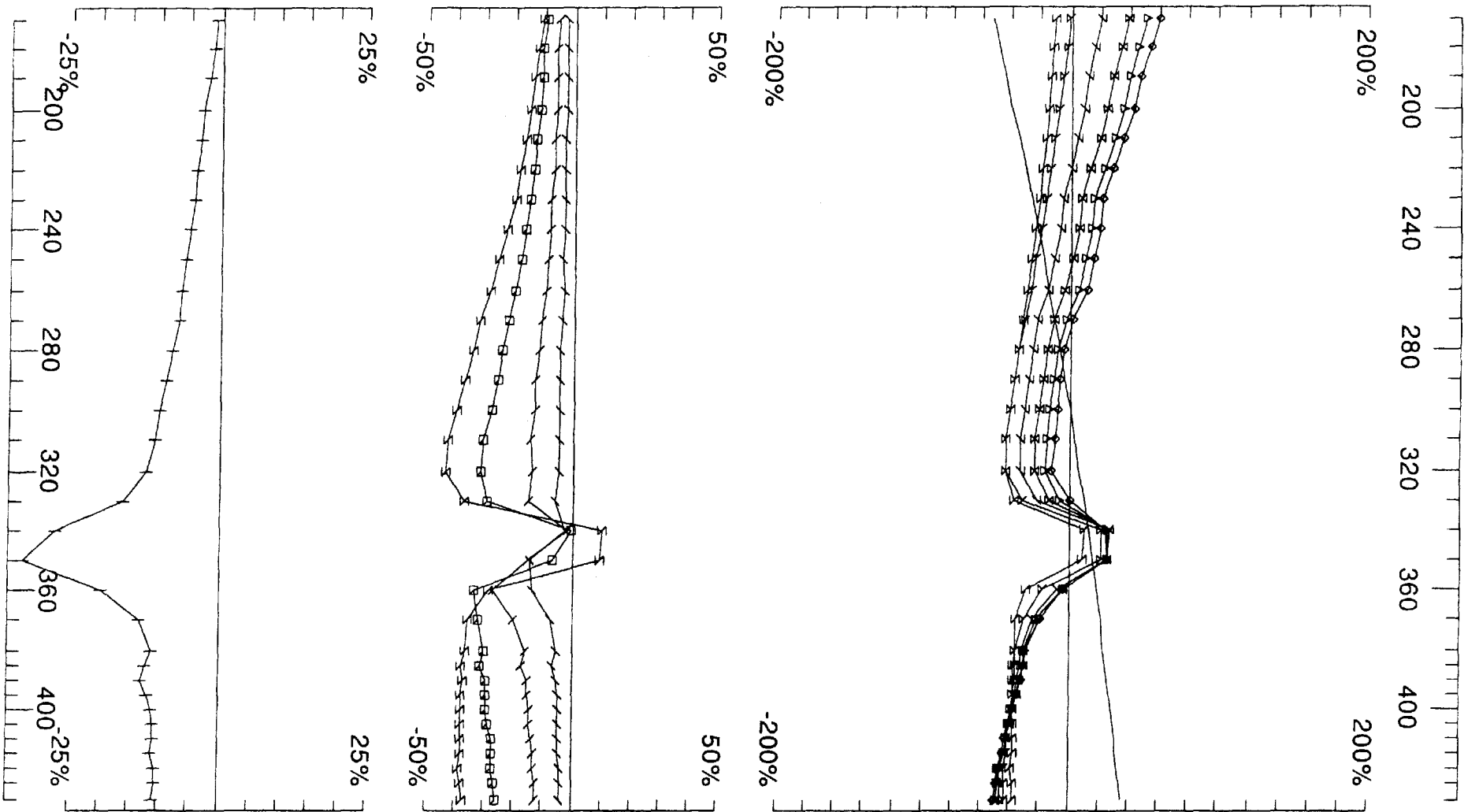
Total, Chn/|Hp|
 Contin. Norm at depth of 0 m
 Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine
 For: WMC International Limited

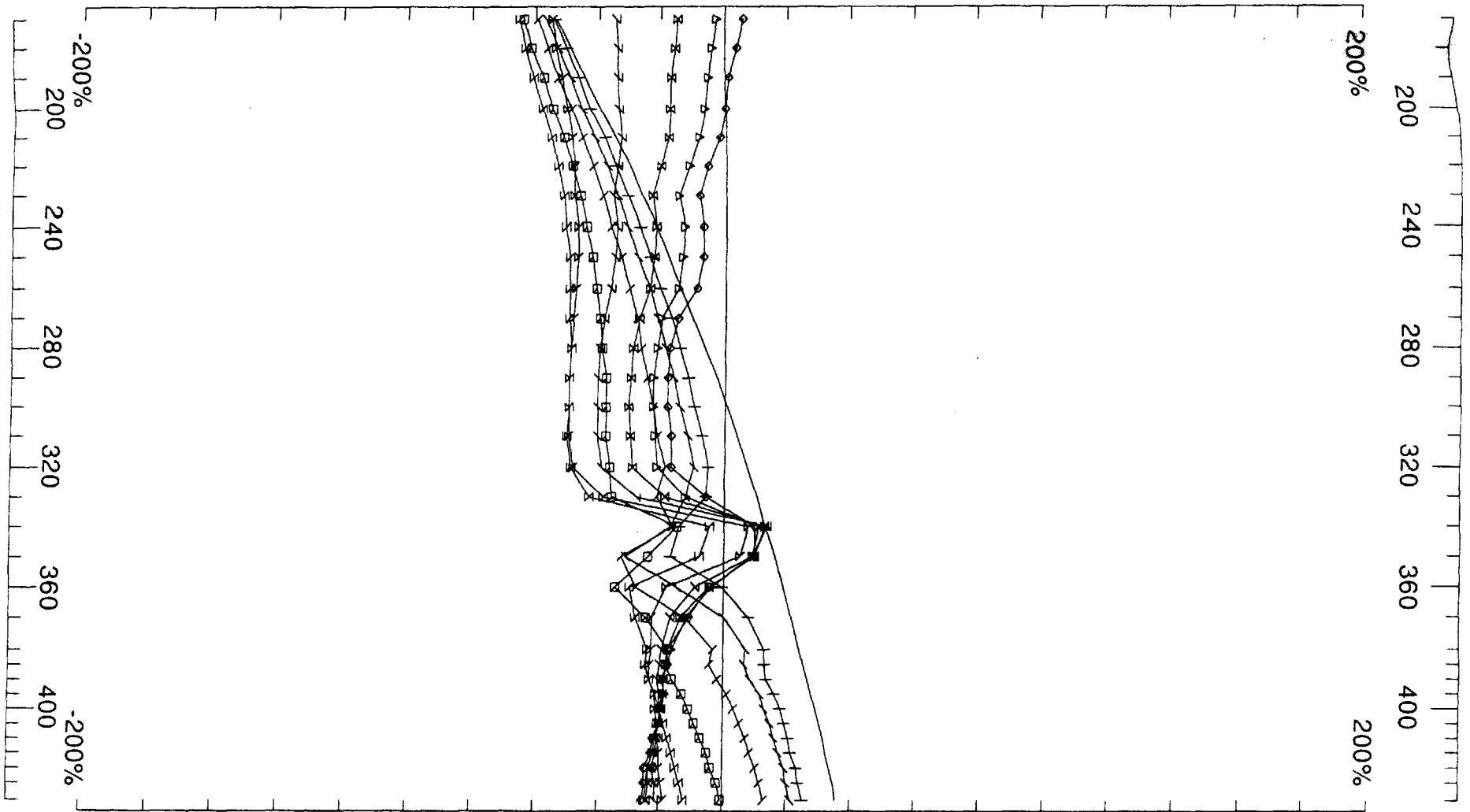
LAMONTAGNE GEOPHYSICS LTD
 GEOPHYSIQUE LTEE

Job
 0118

Surveyed : 15/3/46
 Reduced : 17/5/1
 Plotted : 19/5/1



Loop: 3-bh7	Secondary, (Chn - Ch1)/ Hp	BHUTEM Survey at: Papavoine	
Hole: 7	Contin. Norm at depth of 0 m	For: WMC International Limited	
Compt: Axial	Base Freq. 3.976 Hz	LAMONTAGNE GEOPHYSICS LTD GEOPHYSIQUE LTEE	Job 0118
			Surveyed : 15/3/46 Reduced : 17/5/1 Plotted : 19/5/1



Loop: 3-bh7

Total, Chn/[Hp]

Hole: 7

Contin. Norm at depth of 0 m

Compt: Axial

Base Freq. 3.976 Hz

BHUTEM Survey at: Papavoine

For: WMC International Limited

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Job
0118

Surveyed : 15/3/46
Reduced : 17/5/1
Plotted : 19/5/1

Appendix B

0018 Production Diary

UTEM 3 Survey

**Papavoine Area
Quebec**

for

WWMC International Limited

Production Log (0118)
UTEM Survey on the Papavoine Area, Quebec
WMC International Limited

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
March 29	Mob	-	Crew mobed from Kingston to camp at Whale River Lodge. A commercial flight from Montreal to Kuujuaq, then 140 km helicopter trip to camp. Crew: R.Sinclair, Y.Coté, J.Wirth
March 30	S(1)-3	-	Laid Loop 1. Used helicopter to drop wire at corners. Skidoos haven't arrived in camp yet. Crew: R.Sinclair, Y.Coté, J.Wirth
March 31	P(1)-3	4500m	Read : Loop 1 Line 6329400N 650500E - 652750E Hz Line 6329600N 650500E - 652750E Hz Surveyed at ~31 Hz. GPS crew started putting in the lines today. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 4.5 km
April 1	P(1)-3	6400m	Read : Loop 1 Line 6329800N 650400E - 652900E Hz Line 6330000N 650450E - 652900E Hz Line 6330200N 650750E - 652200E Hz Surveyed at ~31 Hz. Decide to start surveying the next day at lower frequency because of the large Channel 1 response. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 10.9 km
April 2	P(1)-3	1450m	Read : Loop 1 Line 6329800N 651450E - 652900E Hz Surveyed at 4 Hz over a previously surveyed line. Didn't start surveying until afternoon since the helicopter was unavailable. Also, airborne survey was over the UTEM grid area in the morning. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 12.35 km
April 3	0.75 P(1)-3 0.25 D(1)-3	1050m	Read : Loop 1 Line 6329800N 650400E - 651450E Hz Survey at ~4 Hz. Finished early due to battery problems causing loss of sync. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 13.4 km

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
April 4	P(1)-3	1450m	<p>Read : Loop 2 Line 6329600N 651650E - 652300E Hz+Hx Line 6329800N 651550E - 652350E Hz+Hx Survey at ~4 Hz. Laid loop 2 in the morning which was only 600m x 300m and set up new Tx site. Problems with generator so started late. This loop was designed to detail a potential vertical conductor to the east of the main flat lying conductor. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 14.85 km</p>
April 5	0.75 P(1)-3 0.25 D(1)-3	1725m	<p>Read : Loop 1 Line 6330200N 651050E - 652775E Hz Survey at ~4 Hz. Picked up loop 2 in the morning. Rx battery dies near the end of the day, leave field early. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 16.575 km</p>
April 6	P(1)-3	3525m	<p>Read : Loop 1 Line 6330200N 650300E - 651050E Hz Line 6330400N 650100E - 652875E Hz Survey at ~4 Hz. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 20.1 km</p>
April 7	0.75 P(1)-3 0.25 D(1)-3	2800m	<p>Read : Loop 1 Line 6330600N 650000E - 652800E Hz Survey at ~4 Hz. Problems with synchronizing the Rx with the Tx. Sync cable socket on Rx repaired. Later fuse blows on Rx. Have to return to camp to get new fuse. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 22.9 km</p>
April 8	P(1)-3	2150m	<p>Read : Loop 3 Line 6330400N 651650E - 652750E Hz+Hx Line 6330600N 651650E - 652700E Hz+Hx Survey at ~4 Hz. Loop to detail vertical conductor near the front edge of loop 1. J.Wirth sprains his ankle and must return to camp. New battery charger arrives from Kingston. Crew: R.Sinclair, Y.Coté, J.Wirth surface UTEM to date: 25.05 km</p>

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
April 9	P(1)-2	2825m	<p>Read : Loop 1 Line 6330800N 650000E - 652825E Hz Survey at ~4 Hz. J.Wirth stays in camp since his ankle is still injured. J.Nikki, employed by WMC, works as coil man. Y.Coté picks up loop 3 and locates corners for loop 4. Loop broken in the morning by fox chewing through the wire. Crew: R.Sinclair, Y.Coté. surface UTEM to date: 27.875 km</p>
April 10	P(1)-2	3325m	<p>Read : Loop 1 Line 6331000N 650000E - 652825E Hz Line 6331200N 652350E - 652850E Hz Survey at ~4 Hz. J.Wirth flies out to Kuujjuaq. J.Nikki, employed by WMC, works as coil man. Crew: R.Sinclair, Y.Coté. surface UTEM to date: 31.2 km</p>
April 11	P(1)-2	4300m	<p>Read : Loop 1 Line 6331200N 650450E - 652350E Hz Line 6331400N 650450E - 652850E Hz Survey at ~4 Hz. Y.Coté begins laying loop 4 with available wire. J.Nikki, employed by WMC, works as coil man. Crew: R.Sinclair, Y.Coté, J.Nikki. surface UTEM to date: 35.5 km</p>
April 12	S(1)-2		<p>WMC has everyone remain in camp for general meeting covering safety, environmental issues and talk about the local culture. R.Lahaye arrives from Montreal via Kuujjuaq. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 35.5 km</p>
April 13	P(1)-3		<p>All wire is on the ground. Picked up part of loop 1 then laid loop 4. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 35.5 km</p>
April 14	P(1)-3	1950m	<p>Read : Loop 4 Line 6329800N 649050E - 651000E Hz Survey at ~4 Hz. Weather bad in the morning, don't get into field until 11 am. Laid the rest of loop 4. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 37.45 km</p>

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
April 15	P(1)-3	3900m	<p>Read : Loop 4 Line 6330000N 649050E - 651000E Hz Line 6331000N 649050E - 651000E Hz Survey at ~4 Hz. Picked up the rest of loop 1. Laid most of loop 5. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 41.35 km</p>
April 16	P(1)-3	1100m	<p>Read : Loop 5 Line 200N 50E - 1150E Hz + Hx Survey at ~4 Hz. Anomaly 2 area. BH equipment, second Rx and extra wire arrived from Kuujjuaq. Sling by helicopter BH equipment to the first hole. Laid rest of loop 5 in the morning. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 42.45 km</p>
April 17	BP(1)-3 R(1)		<p>Read : Hole 1 Loop 1 - bh1 200m Read : Hole 1 Loop 2 - bh1 200m Survey at ~4 Hz. Dummied Hole 1 (215m). Laid loops 1-bh1 and 2-bh1 in the morning. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 42.45 km</p>
April 18	P(1)-3 BS(1) R(1)	1900m	<p>Read : Loop 5 Line 100N 0E - 1900E Hz + Hx Survey at ~4 Hz. Anomaly 2 area. Start late due helicopter having higher priorities. Start surveying at 10:30 am. Picked up loop 4. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 44.35 km</p>
April 19	P(1)-3 BS(1) R(1)	1750m	<p>Read : Loop 5 Line 200N 1150E - 1950E Hz + Hx Survey at ~4 Hz. Anomaly 2 area. Helicopter problems in the morning. Start surveying at 11 am. Laid most of loop 6. Problems with the skidoo delays loop laying. Skidoo not fixed 100% since parts are not available. Picked up loop 1-bh1 and 2-bh1. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 46.10 km</p>

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
April 20	P(1)-1 BP(1)-2	1550m	<p>Read : Loop 6 Line 200N 1150E - 1950E Hz + Hx Read : Hole 2 Loop 1 - bh1 200m Survey at ~4 Hz. Anomaly 2 area. Replacement helicopter arrives in morning don't get into the field until after 11 am. Dummied hole 2 (217m). Laid loop 1 bh2. Can't start surveying the holes until 1:30 pm. J.Nikki, employed by WMC, works as coil man. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 47.65 km</p>
April 21	P(1)-3 BS(1) R(1)	2150m <i>resurvey</i>	<p>Read : Loop 6 Line 100N 750E - 2900E Hz Line 100N 1500E - 2900EHx Line 200N 2500E - 2900EHz Survey at ~4 Hz. Anomaly 2 area. Pick up loop 1-bh2. Laid loops 7 and 8. Extend line 100N with Hz component to cover the anomaly from loop 5. Resurveyed part of line 200N to detail ch 1 anomaly from the previous day. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 49.80 km</p>
April 22	P(1)-3 BS(1) R(1)	2150m	<p>Read : Loop 7 Line 6333300N 644200E - 645300E Hz + Hx Line 6333500N 644200E - 645250E Hz + Hx Survey at ~4 Hz. Anomaly 3 area. Bad weather in the morning, don't get in field until 11 am. Sling BH gear to hole 3. Prepare loops for BH survey at BH-3. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 51.95 km</p>
April 23	P(1)-3 BS(1) R(1)	1250m	<p>Read : Loop 8 Line 6333300N 644000E - 645300E Hz + Hx Line 6333500N 645050E - 645050E Hz + Hx Survey at ~4 Hz. Anomaly 3 area. Picked up loop 5. Laid loops for BH survey at BH-4. Stop survey at 2pm to let airborne em survey work in the area. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 53.20 km</p>
April 24	BP(1)-3 R(1)	400m	<p>Read : Hole 4 Loop 1 - bh4 200m Read : Hole 4 Loop 2 - bh4 200m Survey at ~4 Hz. Dummied hole 4 (218m). Bad weather high winds and snow. No loop laying or picking up can be done. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 53.20 km</p>

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
April 25	S(1)-3 BS(1) R(1)		High winds and low temperature. No field work can be done safely. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 53.20 km
April 26	P(1)-3 BS(1) R(1)	1250m	Read : Loop 9 Line 652000E 6335700N - 6337000E Hz + Hx Survey at ~4 Hz. Anomaly 4 area. Picked up most of loop 6 and loops at BH-4. Laid loop 9 in the morning. Start surveying at 11 am. Laid most of loop 10. Skidoo is frozen in the morning. Takes a couple of hours to get it running. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 54.50 km
April 27	S(1)-3 BS(1) R(1)		Rain, snow, high winds and low temperature. No work can be done safely. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 54.50 km
April 28	P(1)-3 BS(1) R(1)	1350m	Read : Loop 10 Line 652000E 6337290N - 6335900N Hz + Hx Survey at ~4 Hz. Anomaly 4 area. Laid the remainder of loop 10. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 55.85 km
April 29	BP(1)-3 R(1)	570m	Read : Hole 3 Loop 1 - bh3 200m Dummied hole 3 (582m).Hole made available at 2PM. Picked up remainder of loop 6 and 1bh-4. Crew: R.Sinclair, Y.Coté, R.Lahaye. surface UTEM to date: 55.85 km
April 30	BP(1)-2 R(1)	570m	Read : Hole 5 Loop 1 - bh5 200m Survey at ~4 Hz. Dummied hole 5 (370m). Hole made available at 2:30 PM. Laid loop 1-bh5 and part of loop 2-bh5. All wire is on the ground. Y.Coté takes day off. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km
May 1	S(1)-2 BS(1) R(1) Demob		Y.Coté departed camp. Picked up loop 1-bh5 and 2-bh5. Laid loop 2-bh3. Dummied hole 3. Stuck at 40 m. Get through after some effort and pass to bottom of the hole at 580m. On the way up get caught at 40 m. Get probe up but hole becomes blocked at 40m. Very wet snow conditions. Skidoo no longer working. Crew: R.Sinclair, R.Lahaye.

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
May 2	BP(1)-2 R(1)	200m	Read : Hole 3 Loop 2 - bh3 200m Survey at ~4 Hz. Dummied hole 3 (582m). Hole made available at 12:30 PM. Laid loop 3-BH3. Pickup loop 1-bh3. Very wet snow conditions. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km
May 3	BP(1)-2 R(1)	200m	Read : Hole 3 Loop 3 - bh3 200m Survey at ~4 Hz. Picked up loop 2-bh3 and 3-bh3. Very wet snow conditions. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km
May 4	BP(1)-2 Demob		Picked up loop 7. Laid loop 1-bh7. Still drilling bh-7. Sent surface gear back to Kingston. Very wet snow conditions. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km
May 5	BP(1)-2	135m	Read : Hole 7 Loop 1 - bh7 385m - 430m Read : Hole 7 Loop 2 - bh7 385m - 430m Read : Hole 7 Loop 3 - bh7 385m - 430m Survey at ~4 Hz. Dummied hole 7 (447m). Drill rods left in to a depth of 370m, survey bottom of the hole. Laid loop 2-bh7 and 3-bh7. Very wet snow conditions. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km
May 6	BP(1)-2	345m	Read : Hole 7 Loop 1 - bh7 255m - 370m Read : Hole 7 Loop 2 - bh7 255m - 370m Read : Hole 7 Loop 3 - bh7 255m - 370m Survey at ~4 Hz. Dummied hole 7 (200m). Drill rods left in to a depth of 150m, survey the remainder of the hole to a depth of 370m. Picked up loop 2-bh7. Very wet snow conditions. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km
May 7	BP(1)-2	160m	Read : Hole 6 Loop 1 - bh6 160m Survey at ~4 Hz. Dummied hole 6 (171m). Laid loop 1-bh6, surveyed the hole then picked up loop 1-bh6. Picked up loop 3-bh7. Packed most of the equipment. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km
May 8	BS(1)-2		Pick up loops 1-bh-7, 2-bh7, loop 8, 9, 10. with help of two WMC employees. Very wet snow conditions. Crew: R.Sinclair, R.Lahaye. surface UTEM to date: 55.85 km

<u>Date</u>	<u>Rate</u>	<u>Production</u>	<u>Comments</u>
May 9	Demob		Fly to Kuujuaq then onto Montreal. Most of the equipment is sent back to Kingston. Wire and generators are stored at the camp. Crew: R.Sinclair, R.Lahaye.
May 16	Demob		Borehole UTEM equipment that was shipped from camp on May 9 arrived in Kingston.
May 22	Demob		Surface UTEM receiver that was shipped from camp on May 4 arrived in Kingston.

LEGEND

- P(r)-x - Production (# of receivers) - # of personnel
- S(r)-x - Standby (# of receivers) - # of personnel
- BP(r)-x - Borehole Production (# of receivers) - # of personnel
- BS(r)-x - Borehole Survey Standby (# of receivers) - # of personnel
- R(x) - Additional Receiver Standby (# of receivers) - # of personnel
- BS(1) - Borehole Equipment Standby (# of receivers) - # of personnel
- D-x - Equipment Down - # of personnel
- n/c - No Charge for Equipment

Appendix C

The UTEM SYSTEM

The UTEM System

UTEM Data Reduction and Plotting Conventions

Data Presentation

The UTEM SYSTEM

UTEM uses a large, fixed, horizontal transmitter loop as its source. Loops range in size from 300m x 300m up to as large as 4km x 4km. Smaller loops are generally used over conductive terrain or for shallow sounding work. The larger loops are only used over resistive terrain. The UTEM receiver is typically synchronized with the transmitter at the beginning of a survey day and operates remotely after that point. The clocks employed - one in each of the receiver and transmitter - are sufficiently accurate to maintain synchronisation.

Measurements are routinely taken to a distance of 1.5 to twice the loop dimensions, depending on the local noise levels, and can be continued further. Lines are typically surveyed out from the edge of the loop but may also be read across the loop wire and through the centre of the loop, a configuration used mainly to detect horizontal conductors. BHUTEM - the borehole version of UTEM - surveys have been carried out to depths up to 3000+ metres.

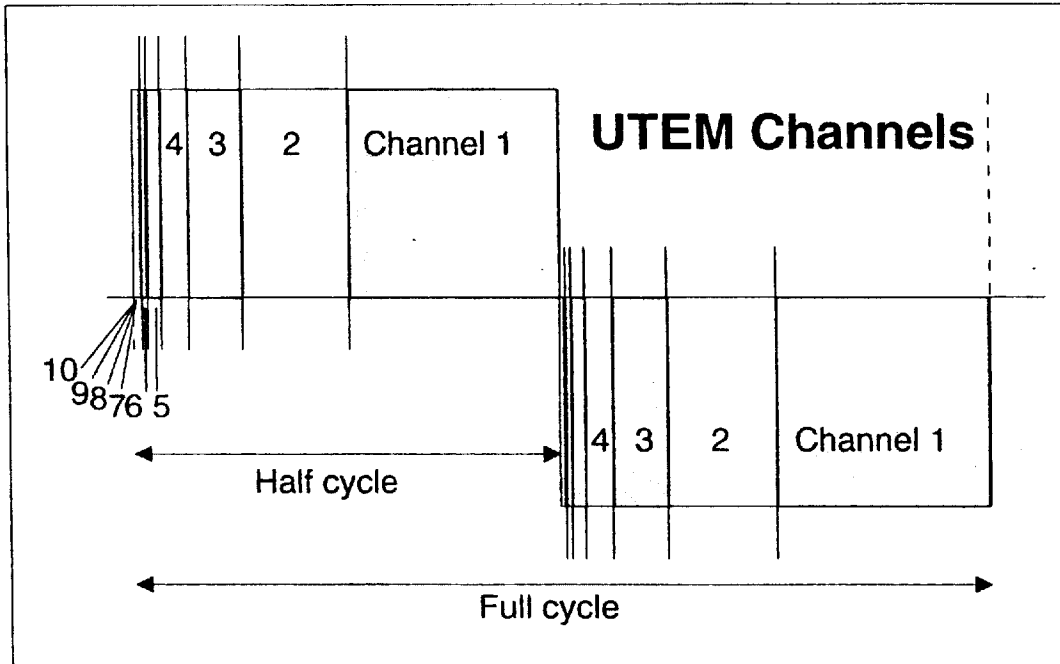
System Waveform

The UTEM transmitter passes a low-frequency (4 Hz to 90 Hz) current of a precisely regulated triangular waveform through the transmitter loop. The frequency can be set to any value within the operating range of the transmitter, however, it is usually set at 31 Hz to minimise power line (60 Hz in North America) effects. Since a receiver coil responds to the time derivative of the magnetic field, the UTEM system really "sees" the step response of the ground. UTEM is the only time domain system which measures the step response of the ground. All other T.D.E.M. systems to date transmit a modified step current and "see" the (im)pulse response of the ground at the receiver. In practice, the transmitted UTEM waveform is tailored to optimize signal-to-noise. Deconvolution techniques are employed within the system to produce an equivalent to the conceptual "step response" at the receiver.

System Sampling

The UTEM receiver measures the time variation of the magnetic field in the direction of the receiver coil at 10 delay times (channels). UTEM channels are spaced in a binary, geometric progression across each half-cycle of the received waveform. Channel 10 is the earliest channel and it is $1/2^{10}$ of the

half-cycle wide. Channel 1, the latest channel, is $1/2^1$ of the half-cycle wide (see Figure below). The measurements obtained for each of 10 channels are accumulated over many half-cycles. Each final channel value, as stored, is the average of the measurements for that time channel. The number of half-cycles averaged generally ranges between 2048 (1024 full-cycles - 1K in UTEM jargon) to 32768 (16K) depending on the level of ambient noise and the signal strength.



System Configurations

For surface work the receiver coil is mounted on a portable tripod and oriented. During a surface UTEM survey the vertical component of the magnetic field (H_z) of the transmitter loop is always measured. Horizontal in-line (H_x) and cross-line (H_y) components are also measured if more detailed information is required. The UTEM System is also capable of measuring the two horizontal components of the electric field, E_x and E_y . A dipole sensor comprised of two electrodes is used to measure the electric field components. This is generally used for outlining resistive features to which the magnetic field is not very sensitive.

BHUTEM surveys employ a receiver coil that is smaller in diameter than the surface coil. The borehole receiver coil forms part of a down-hole receiver package used to measure the axial (along-borehole) component of

the magnetic field of the transmitter loop. Due to the distance between coil and receiver in borehole surveys the signal must be transmitted up to the receiver. In BHUTEM the signal is transmitted to surface digitally using a kevlar-reinforced fibre-optic cable as a data link. Using a fibre-optic link avoids signal degradation problems and allows surveying of boreholes to 3000+m. The cable is also very light - the specific gravity is nearly 1.0 - making the cable handling hardware quite portable.

The EM Induction Process

Any time-varying transmitted ("primary") field induces current flow in conductive regions of the ground below and around the transmitter loop (i.e. in the earth or "half-space"). This current flow produces a measurable EM field, the secondary field, which has an inherent "inertia" that resists the change in primary field direction. This "inertial" effect is called self-inductance; it limits the rate at which current can change and is only dependent on the shape and size of a conductive path.

It takes a certain amount of time for the transmitted current flow to be redirected (reversed) and reestablished to full amplitude after the rate-of-change of the primary field reverses direction. This measurable reversal time is characteristic for a given conductor. In general, for a good conductor this time is greater than that of a poor conductor. This is because in a good conductor the terminal current level is greater, whereas its rate of change is limited by the inductance of the current path. The time-varying current causes an Emf in the sensor proportional to the time derivative of the current. This Emf decays with time - it vanishes when the reversal is complete - and the characteristic time of the Emf decay as measured by the sensor is referred to as the **decay time** of the conductor.

The large-scale current which is induced in the half-space by the primary field produces the half-space response as seen in typical UTEM profiles. This background response is influenced by the finite conductivity of the surrounding rock. Other currents may be induced in locally more conductive zones (conductors) that have longer decay times than the half-space response. The responses of these conductors are superimposed upon the background response. The result is that the UTEM receiver detects:

- the primary field waveform, a square-wave
- the half-space (background) response of the surrounding rock
- a slight-to-large response due to any conductors present.

The result is that in the presence of conductors the primary field waveform is substantially (and anomalously) distorted.

UTEM DATA REDUCTION and PLOTTING CONVENTIONS

The UTEM data as it appears in the data files is in total field, continuously normalized form. In this form, the magnetic field data collected by the receiver is expressed as a % of the calculated primary magnetic field vector magnitude at the station. These are total field values - the UTEM system measures during the "on-time" and as such samples both the primary and secondary fields.

For plotting purposes, the reduced magnetic field data (as it appears in the data file) are transformed to other formats as required. The following is provided as a description of the various plotting formats used for the display of UTEM data. A plotting format is defined by the choice of the *normalization* and *field type* parameters selected for display.

NORMALIZATION

UTEM results are always expressed as a % of a normalizing field at some point in space.

In **continuously normalized form** the normalizing factor (the denominator) is the magnitude of the computed local primary field vector. As the primary exciting field magnitude diminishes with increasing distance from the transmitter loop the response is continuously amplified as a function of offset from the loop. Although this type of normalization considerably distorts the response shape, it permits anomalies to be easily identified at a wide range of distances from the loop.

Note: An optional form of continuous normalization permits the interpreter to normalize the response to the magnitude of the primary field vector at a fixed depth below each station. This is useful for surface profiles which come very close to the loop. Without this adjustment option, the normalizing field is so strong near the loop that the secondary effects become too small in the presence of such a large primary component. In such circumstances interpretation is difficult, however; by "normalizing at some depth" the size of the normalizing field, near the loop in particular, is reduced and the resulting profile can be more effectively interpreted to a very close distance from the transmitter wire. The usual choice for the depth is the estimated target depth is used.

In **point normalized form** the normalizing factor is the magnitude of the computed primary field vector at a single point in space. When data is presented in this form, the point of normalization is displayed in the title block of the plot. Point normalized profiles show the non-distorted shape of the field profiles. Unfortunately, the very large range in magnitude of

anomalies both near and far from the loop means that small anomalies, particularly those far from the loop, may be overlooked on this type of plot in favor of presenting larger amplitude anomalies.

Note: Selecting the correct plot scales is critical to the recognition of conductors over the entire length of a point normalized profile. Point normalized data is often used for interpretation where an analysis of the shape of a specific anomaly is required. Point normalized profiles are therefore plotted selectively as required during interpretation. An exception to this procedure occurs where surface data has been collected entirely inside a transmitter loop. The primary field does not vary greatly inside the loop, therefore, the benefits of continuous normalization are not required in the display of such results. In these cases data is often point normalized to a fixed point near the loop centre.

FIELD TYPE

The type of field may be either the **Total field** or the **Secondary field**. In general, it is the secondary field that is most useful for the recognition and interpretation of discrete conductors.

UTEM Results as Secondary Fields

Because the UTEM system measures during the transmitter on-time the determination of the secondary field requires that an estimate of the primary signal be subtracted from the observations. Two estimates of the primary signal are available:

1) UTEM Channel 1

One estimate of the primary signal is the value of the latest time channel observed by the UTEM System, channel 1. When Channel 1 is subtracted from the UTEM data the resulting data display is termed **Channel 1 Reduced**. This reduction formula is used in situations where it can be assumed that all responses from any target bodies have decayed away by the latest time channel sampled. The Channel 1 value is then a reasonable estimate of the primary signal present during Channels 2....10.

In practice the **Channel 1 Reduced** form is most useful when the secondary response is very small at the latest delay time. In these cases channel 1 is indeed a good estimate of the primary field and using it avoids problems due to geometric errors or transmitter loop current/system sensitivity errors.

2) Calculated primary field

An alternate estimate of the primary field is obtained by computing the primary field from the known locations of the transmitter loop and the receiver stations. When the computed primary field is subtracted from the UTEM data the resulting data display is termed *Primary Field Reduced*.

The calculated primary field will be in error if the geometry is in error - mislocation of the survey stations or the loop vertices - or if the transmitter loop current/system sensitivity is in error. Mislocation errors from loop/station geometry may give rise to very large secondary field errors depending on the accuracy of the loop and station location method used. Transmitter loop current/system sensitivity error is rarely greater than 2%. *Primary Field Reduced* is plotted in situations where a large Channel 1 response is observed. In this case the assumption that the Channel 1 value is a reasonable estimate of the primary field effect is not valid.

Note: When UTEM data is plotted in the *Channel 1 Reduced* form the secondary field data for Channel 1 itself are always presented in *Primary Field Reduced* form and are plotted on a separate axis. This plotting format serves to show any long time-constant responses, magnetostatic anomalies and/or geometric errors present in the data.

Mathematical Formulations

In the following expressions:

R_nj is the result plotted for the n^{th} UTEM channel,

R_{1j} is the result plotted for the latest-time UTEM channel, channel 1,

Ch_{nj} is the raw component sensor value for the n^{th} channel at station j ,

Ch_{1j} is the raw component sensor value for channel 1 at station j ,

H^P_j is the computed primary field component in the sensor direction

$|H^P|$ is the magnitude of the computed primary field at:

- a fixed station for the entire line (point normalized data)
- the local station of observation (continuously normalized data)
- a fixed depth below the station (continuously normalized at a depth).

Channel 1 Reduced Secondary Fields : Here, the latest time channel, Channel 1 is used as an "estimate" of the primary signal and channels 2-10 are expressed as:

$$R_{nj} = (Ch_{nj} - Ch_{1j}) / |H^P| \times 100\%$$

Channel 1 itself is reduced by subtracting a calculation of the primary field observed in the direction of the coil, H^P as follows:

$$R_{1j} = (Ch_{1j} - H^P_j) / |H^P| \times 100\%$$

Primary Field Reduced Secondary Fields : In this form all channels are reduced according to the equation used for channel 1 above:

$$R_{nj} = (Ch_{nj} - H^P_j) / |H^P| \times 100\%$$

This type of reduction is most often used in cases where very good geometric control is available (leading to low error in the calculated primary field, H^P_j) and where very slowly decaying responses result in significant secondary field effects remaining in channel 1 observations.

UTEM Results as a Total Field

In certain cases results are presented as a % of the **Total Field**. This display is particularly useful, in borehole surveys where the probe may actually pass through a very good conductor. In these cases the shielding effect of the conductor will cause the observed (total) field to become very small below the intersection point. This nullification due to shielding effects on the total field is much easier to see on a separate *Total Field* plot. In cases where the amplitude of the anomalies relative to the primary field is small, suggesting the presence of poorly conductive bodies, the *Total Field* plot is less useful.

The data contained in the UTEM reduced data files is in *Total Field*, continuously normalized form if:

$$R_{nj} = Ch_{nj} / |H^P| \times 100\%$$

DATA PRESENTATION

All UTEM survey results are presented as profiles in an Appendix of this report.

The symbols used to identify the channels on all plots as well as the mean delay time for each channel is shown in the table below.

UTEM System Mean Delay Times		
10 Channel Mode @ 31 hz.(approx.)		
(base freq: 30.974 hertz)		
<u>Channel #</u>	<u>Delay time (ms)</u>	<u>Plot Symbol</u>
1	12.11	—
2	6.053	— \
3	3.027	— /
4	1.513	□
5	0.757	○
6	0.378	△
7	0.189	▽
8	0.095	X
9	0.047	◇
10	0.024	◇

Notes on Standard plotting formats:

10 channel data in Channel 1 Reduced form - The data are usually displayed on three separate axes. This permits scale expansion, allowing for accurate determination of signal decay rates. The standard configuration is:

Bottom axis - Channel 1 (latest time) is plotted alone in *Primary Field Reduced* form using the same scale as the center axis.

Center axis - The intermediate to late time channels, ch5 to ch2 are plotted on the center axis using a suitable scale.

Top axis - The early time channels, ch10 to ch6 and a repeat of ch5 for comparison are plotted on the top axis at a reduced scale. The earliest channels, ch8 to ch10, may not be plotted to avoid clutter.

10 channel data in Primary Field Reduced form: The data are displayed using a single axis plot format. Secondary effects are plotted using a Y axis

on each data plot with peak to peak values up to 200%.

BHUTEM data plotted as total field profiles: Data are expressed directly as a percentage of the *Total Field* value. The Y axis on each single axis data plot shows peak values of up to 100%. These departures are always relative to the measured total field value at the observation station.

BHUTEM data plotted as secondary field profiles: Check the title block of the plot to determine if the data is in *Channel 1 Reduced* form or in *Primary Field Reduced* form.

Note that on all BHUTEM plots the ratio between the axial component of the primary field of the loop and the magnitude of the total primary field strength (**dc**) is plotted as a profile without symbols. In UTEM jargon this is referred to as the "primary field" and it is plotted for use as a polarity reference tool.

Appendix D

Note on sources of anomalous Ch1

Note on sources of anomalous Ch1

Non-decaying Ch1 conductors are often indicative of economical mineralization. Any non-decaying anomalous Ch1 features are therefore of interest. Non-decaying Ch1 UTEM anomalies can reflect:

- i) the presence of economic mineralization
- ii) the presence of non-economic mineralization
- iii) the presence of a magnetic anomaly
- iiii) poor geometric control - either station location or loop location

From an interpretation point of view this means that magnetics and geometric control should be considered and evaluated as a part of any interpretation. From a field point of view it means that precise geometric control should be part of any UTEM survey where the target is non-decaying. Poor geometric control has the potential to both mask real Ch1 conductors and create false Ch1 conductors.

The possible sources of anomalous channel 1 which is not correlated to the Ch2-10 data plotted on the upper axes of a *channel 1 normalized* plot are:

1) Mislocation of the transmitter loop and/or survey stations

Mislocating the transmitter loop and/or the survey stations results in an error in the calculated primary field at the station and appears as an anomalous Ch1 value not correlated to *channel 1 normalized* Ch2-10. The effect is amplified near the loop front. This can be seen in the profiles - the error in Ch1 generally increases approaching the loop. As a rule a 1% error in measurement of the distance from the loop will result in, for outside the loop surveys, an error in Ch1 of:

- 1% near the loop front (long-wire field varies as $1/r$)
- 3% at a distance from the loop front (dipolar field varies as $1/r^3$)
- 2% at intermediate distances (intermediate field varies as $\sim 1/r^2$)

Errors in elevation result in smaller errors but as they often affect the chainage they accumulate along the line.

The in-loop survey configuration generally diminishes geometric error since the field gradients are very low. At the centre of the loop the gradient in the vertical field is essentially zero so it is difficult to introduce geometric anomalies near the loop centre. Near the loop sides and at the closest approach of the lines to the wire mislocation of the loop and the station becomes more critical. Typically loop sides are designed to be >200m from any survey stations.

2) Magnetostatic UTEM responses

Magnetostatic UTEM responses arise over rocks which generate magnetic anomalies. Such magnetic materials will amplify the total (primary + secondary) field of the UTEM transmitter which is sensed by the receiver coil. The secondary field is generated by subtracting a computed primary which does not include magnetic effects. This can give rise to strong and abrupt channel 1 anomalies when the source of the magnetics is at surface. This is the case in a number of places on these grids. UTEM magnetostatic anomalies differ from DC magnetic anomalies in the following three major ways:

- 1) In the case of DC magnetics the field is dipping N and is very uniform over the scale of the survey area while the UTEM field inside the loop is vertical and it is stronger near the loop edges.
- 2) Most aeromagnetics are collected as total field while with UTEM we measure a given (in this case the z) component.
- 3) DC magnetic instruments observe the total magnetization of the causative body which is due to its susceptibility as well as any remnant magnetization. An AC method such as UTEM will not respond to the remnant portion of the magnetization.

The larger amplitude of the UTEM Ch1 response is explained by the fact that the UTEM primary field is often more favourably coupled (magnetostatically speaking) to magnetic mineralization as compared to the earth's field. Another factor could be the presence of a reverse remnant component to the magnetization.

Note that positive (*negative*) magnetic anomalies will cause:

- positive (*negative*) Ch1 anomalies in data collected outside the loop
- negative (*positive*) Ch1 anomalies in data collected inside the loop

3) Extremely good conductors

An extremely good conductor will be characterized by a time constant much longer than the half-period (@ 30Hz >>16ms). This will give rise to an anomalous Ch1 which is not correlated to the Ch2-10 data plotted on the upper axes of a *channel 1 normalized* plot.

Appendix 6
Results of Lithochemical Survey

MRN-GÉOINFORMATION 2002

GM 59375

Appendix 6a

Lithogeochemistry Sample Descriptions

Sample No	Zone	Easting	Northing	Rock Name	MagSus x100	Sample Comments
UC102601	19	562090	6440190	gabbro	300	
UC102602	19	562328	6440038	gabbro	500	
UC102603	19	561314	6439970	gabbro	730	
UC102604	19	563800	6436240	gabbro	2240	rep +anal.
UC102605	19	564901	6435723	gossan	805	
UC102606	19	560195	6443495	gabbro	4020	
UC102607	19	561809	6441053	diorite	1700	
UC102608	19	568478	6439628	gabbro	1500	
UC102609	19	550173	6455734	gabbro	1500	rep.
UC102612	19	682889	6292277	paragneiss	517	
UC102616	20	319313	6266490	paragneiss	430	rep.
UC102618	19	559801	6453036	gabbro	2900	maga
UC104700	19	653291	6306115	paragneiss-graphitic	40	
UC104701	19	644135	6301423	paragneiss	600	amphibolite in 1 m wide lens of outcrop, diss spo - 4%
UC104702	19	644135	6301423	paragneiss	600	q vn with spy, veins are narrow cm scale and very few
UC104703	19	644090	6301503	paragneiss-graphitic	100	q vn with spy, veins are narrow cm scale and very few
UC104704	19	643424	6301977	amphibolite	60	md grain paragneiss with spy along foliation-silicified/ albitized, sample taken at 643446, 6301901
UC104705	19	643424	6302070	q vn boulder	0	angular float similar to that seen in outcrop
UC104706	19	641070	6304770	paragneiss-graphitic	20	silicified gneiss with diss spy
UC104710	19	652430	6344879	gabbro	3500	fg and cg variants for geochem.
UC104718	19	654561	6357089	paragneiss-marble	15	
UC104719	19	663378	6358213	amphibolite boulder	0	

Sample No	Rock Comments	Rock Colour	Grainsize	Primary Mineralization Style	Secondary Mineralization Style	Primary Alteration Style	Secondary Alteration Style	Alteration comments
UC102601	granular mafic of Papavoine-type	green	Medium	none	none	none	none	
UC102602	gabbro	grey	Medium	none	none	none	none	
UC102603	gabbro/troctolite	green-biege	Coarse	none	none	none	none	
UC102604	doleritic and magnetic	green-grey	Fine	none	none	none	none	
UC102605	gabbro with patchy gossanous zones.	rusty-brown	Medium	disseminated	none	none	none	
UC102606		grey	Medium	none	none	none	none	
UC102607	Diorite dyke and pegmatitic granite.	beige	Medium	none	none	none	none	
UC102608	Gabbro. Possible dyke relationship.	beige	Medium	none	none	none	none	
UC102609	coarse granular Papavoine-type gabbro	green	Coarse	none	none	none	none	
UC102612	rusty selvage in white gneiss	rusty	Medium	none	none	none	none	
UC102616	garnet-rich paragneiss	rusty brown	Coarse	none	none	none	none	
UC102618	megacrystic gabbro	black-white-brown	Coarse	none	none	none	none	
UC104700	strongly foliated [sheared ?] unit of graphitic paragneiss, friable, trace spy	rusty-brown	Medium	none	none	none	none	
UC104701	well foliated, folded - west limbs shallower dip than east limbs, rock in area generally a fpq-mb gneiss, lesser amphibolite lenses [1m wide] with spo [5%], composition varies across outcrops, narrow q veins with spy, lcg up to 10% in various layers,	variable	Medium	disseminated	none	none	none	
UC104702	well foliated, folded - west limbs shallower dip than east limbs, rock in area generally a fpq-mb gneiss, lesser amphibolite lenses [1m wide] with spo [5%], composition varies across outcrops, narrow q veins with spy, lcg up to 10% in various layers,	variable	Medium	disseminated	none	none	none	
UC104703	well foliated, folded - west limbs shallower dip than east limbs, rock in area generally a fpq-mb gneiss, lesser amphibolite lenses [1m wide] with spo [5%], composition varies across outcrops, narrow q veins with spy, lcg up to 10% in various layers,	rusty-brown	Medium	disseminated	none	none	none	
UC104704	amphibolite at this location x-cut by numerous q vns-epidote alteration, also paragneiss enveloping amphibolite, sphene in vns, wide with spo [5%], composition variable across outcrops, narrow q veins with spy	green	Medium	none	none	Silicification	none	
UC104705	grey milky white q with 4% spy along fracture lanes			stringer	none	none	none	
UC104706	outcrop of paragneiss with granitic rock which may have formed insitu, graphitic zone is restricted to specific layers locally in outcrop, silicified locally with spy	rusty Brown	Medium	disseminated	none	none	none	
UC104710	random oriented plag in gabbroic unit	green	Medium	none	none	none	none	
UC104718	rusty patches in marble with paragneiss	green	Medium	none	none	none	none	
UC104719				none	none	none	none	

Sample No	Zone	Easting	Northing	Rock Name	MagSus x100	Sample Comments
UC104720	19	666517	6358209	amphibolite	90	2-3% diss spy along fol.
UC104721	19	666768	6358380	paragneiss	0	
uc104722	19	651067	6332492	gabbro	1430	
uc104723	19	650747	6332500	gabbro	0	
uc104724	19	650727	6332433	gabbro boulder	0	
uc104725	19	637542	6352630	paragneiss-graphitic	0	
uc104726	19	637902	6362202	amphibolite boulder	0	10-15% of fine diss spy, spo, scp, 10 lcg
uc104727	19	637901	6362202	amphibolite boulder	0	10-15% of fine diss spy, spo, scp, 10 lcg
uc104728	19	637486	6362259	paragneiss	20	
uc104729	19	637168	6363183	amphibolite	12	
UC104730	19	637169	6363183	amphibolite	12	
UC104733	19	651017	6333054	norite	750	rep and geochem
UC104735	19	650568	6333310	norite	600	rep and geochem
uc104740	19	664172	6356138	paragneiss-graphitic	20	graphitic paragneiss
uc104741	19	653474	6344833	gabbro boulder	3460	gabbro boulder - o vis suls, weakly weathered
uc104743	19	653050	6343055	gabbro boulder	2500	cg-mg gabbro boulder.
UC104750	19	550915	6457663	gabbro	1700	
UC104751	19	551025	6457717	gabbro	5230	rep
UC104752	19	557130	6454960	diorite	1500	rep.
UC104753	19	640583	6505925	gneiss	0	rep.
UC104754	19	640489	6505780	gabbro	2200	
UC104755	19	640883	6505817	gabbro	2200	
UC104900	19	666789	6315504	gossan	0	as per rock description
UC104901	19	666746	6315557	gossan	0	semi massive sulfides to heavily blebby
UC104902	19	667089	6314264	gossan	0	Samples taken from base of sill and in immediate footwall
UC104903	19	667034	6314068	troctolite	0	In bog
UC104904	19	666997	6314045	gossan	3420	Boulder field
UC104905	19	666997	6314045	gossan	3420	Boulder field
UC104921	20	337000	6240480	gabbro	67	
UC104922	20	332750	6244700	gneiss	250	
UC104923	20	332693	6244612	granite-gneiss	1600	

Sample No	Rock Comments	Rock Colour	Grainsize	Primary Mineralization Style	Secondary Mineralization Style	Primary Alteration Style	Secondary Alteration Style	Alteration comments
UC104720	layered amphibolite with biotite rich layers.	black	Medium	none	none	none	none	
UC104721	2-3% fine disseminated pyrite in well layered paragneiss.	grey	Medium	none	none	none	none	
uc104722	megacrystic leucogabbro	black	Coarse	none	none	none	none	
uc104723	porphyritic leucogabbro	black	Coarse	none	none	none	none	
uc104724	mineralized fine grained gabbro boulder.			none	none	none	none	
uc104725	graphitic paragneiss	salt & pepper	Medium	none	none	none	none	
uc104726	boulders of mineralized amphibolite	green	Fine	none	none	none	none	
uc104727	boulders of mineralized amphibolite	green	Fine	none	none	none	none	
uc104728	well layered garnet paragneiss	salt & pepper	Medium	none	none	none	none	
uc104729	mineralized amphibolite and graphitic paragneiss	grey	Fine	none	none	none	none	
UC104730	mineralized amphibolite and graphitic paragneiss	grey	Fine	none	none	none	none	
UC104733	md grain, uniform, stubby crystals	salt & pepper	Medium	none	none	none	none	
UC104735	md grain, uniform, stubby crystals	salt & pepper	Medium	none	none	none	none	
uc104740	rusty graphitic paragneiss amongst q-feld gneiss	brown	Medium	none	none	none	none	
uc104741	weakly weathered gabbro boulder in gneiss boulder field. no outcrop nearby.	brown	Medium	none	none	none	none	
uc104743	large to 1m angular mafic boulders common on outcropping gneiss. boulders cg in places.	grey	Medium	none	none	none	none	
UC104750	gabbro/troctolite	green	Coarse	none	none	none	none	
UC104751	chilled margin of gabbro.	grey	Fine	none	none	none	none	
UC104752	subhedral amphibole phyric c.g diorite.incl minor biotite, magnetite,pyrrhotite	brown	Coarse	none	none	none	none	
UC104753	graphitic sulphidic qtz gneiss	rusty brown	Fine	none	none	none	none	
UC104754	troctolitic olivine-pyroxene gabbro	green	Coarse	none	none	none	none	
UC104755	sulphidic-gossanous roctolitic olivine/px gabbro	green	Medium	none	none	none	none	
UC104900		salt & pepper	Medium	disseminated	none	none	none	
UC104901				none	none	none	none	
UC104902	Basal semi-massive sulphides and heavily disseminated to blebby sulphides in gabbro-norite sill.	brown	Coarse	massive	none	none	none	
UC104903	Heavily disseminated sulphides in troctolite	black	Coarse	disseminated	none	none	none	
UC104904	Basal sulphides, semi-massive	brown	Coarse	massive	none	none	none	
UC104905	Semi-massive Po/CPY poikilitically enclosing earlie -formed mafics	brown	Coarse	massive	none	none	none	
UC104921	weakly weathered, blue glassy qtz eyes	grey	Fine	trace	none	none	none	
UC104922	quartzo-amphibole-feldspathic gneiss, foliation direction varies, minor magnetite,	salt & pepper	Medium	trace	none	none	none	
UC104923	quartzo-amphibole-feldspathic gneiss, foliation direction varies, magnetite, coarser grained equivalent of previous site, variable grain size - coarse and fine bands, mag susc varies from 15 to 40, possible epidote related to alteration	salt & pepper	Coarse	trace	none	none	none	

Sample No	Zone	Easting	Northing	Rock Name	MagSus x100	Sample Comments
UC104928	19	651803	6346241	troctolite boulder	3000	
UC104929	18	654581	6328781	troctolite-sulphidic		md grained
UC104930	19	654560	6328776	troctolite	2530	fresh troctolite with dissem suls and weathered crust
UC104931	19	654559	6328776	troctolite	361	more suls, heavier than uc104930.. violarite on surface.
uc104933	19	635804	6364074	gneiss boulder	0	
uc104934	19	636230	6364043	paragneiss	0	1 piece of mb rich paragneiss , 1 piece of granite
UC104935	19	635699	6369844	paragneiss boulder	132	Grab fr several boulders on ridge top
UC104936	19	675858	6322555	amphibolite	500	
UC104950	19	666940	6314492	gossan	3300	Excavated by Broz
UC104951	19	666877	6314573	gossan	1250	
UC104952	19	670379	6313623	diorite	0	At edge of lake
UC104958	19	637966	6345660	gabbro boulder	2500	disseminated po and lesse cpy especially around plag laths.
UC104960	19	640280	6344224	gabbro boulder	1400	
UC104961	19	641501	6343787	iron formation (sulphidic) boulder	200	Block in lake entrance boulder field
UC104964	19	593484	6386147	gabbro	142	Either an angular boulder ir a dyke cutting bi-gneiss
UC104965	19	594933	6384533	gabbro boulder	300	
UC104968	19	657642	6326644	diorite	40	
UC104969	19	658044	6326598	diorite	450	
UC104971	19	670194	6313977	gossan	300	gossan [5-10]suls on basal conract.
UC104972	19	670253	6313799	gossan	400	gossan on basal contact.
UC104973	19	626750	6413779	gossan	15	fw gossan?
UC104974	19	626750	6413776	paragneiss	20	3-4% suls in qtz vein.
UC104975	19	627000	6413650	paragneiss	0	

Sample No	Rock Comments	Rock Colour	Grain size	Primary Mineralization Style	Secondary Mineralization Style	Primary Alteration Style	Secondary Alteration Style	Alteration comments
UC104928	fine to medium grained troctolite, se/spo diss throughout finer grained sample,	dark green grey	Medium	disseminated	none	none	none	
UC104929	md grained troctolite at base of sill with gneiss, disseminated spo and scp throughout	rusty-brown	Medium					
UC104930	gossan outcrop of olivine rich troctolite with significant magnetite. 1% disseminated sulfides. no structural features. very orange-red rounded blocky outcrop.	rusty-brown	Fine	trace	none	none	none	
UC104931				none	none	none	none	
uc104933	quartz rich boulder with abundant silver speck and less Er scp	white	Medium	disseminated	none	none	none	
uc104934	mixture of convoluted paragneiss within white granite	rusty-brown	Medium	none	none	none	none	
UC104935				trace	none	none	none	
UC104936	plagioclase-amphibole-sulfide lens [5m x 2] in a granitic gneiss unit containing xenoliths of amphibolite,	rusty brown	Medium	none	none	none	none	
UC104950	Basal sulphides under sill.	brown	Coarse	blebby	none	Silicification	none	
UC104951	Basal sulphides into footwall gneiss	brown	Coarse	blebby	none	Silicification	none	
UC104952	Sulphide min. within dioritic phase. Possibly represents upper contact?	brown	Coarse	veiniform	none	none	none	
UC104958	Leucogabbro with disseminated po, cpy	grey	Coarse	disseminated	none	none	none	
UC104960	Altered sulphide-bearing leucogabbro or even troctolite. Plag grains have white cores and clear margins. Px is altered to ?chl.	white	Coarse	disseminated	blebby	none	none	
UC104961	Sulphide-bearing silicate iron formation. 15% sulphides as po, py, and rare graphite	green	Coarse	disseminated	vein	none	none	
UC104964	Boulder or dyke of contaminated quartz gabbro with 5% Sulphides.	green	Coarse	disseminated	none	none	none	
UC104965	Float of biotite pyroxenite, trace sulphide	black	Medium	none	none	none	none	
UC104968	pyroxenes are green but are probably mostly composed of some replacement Min -amph-chl?, sulfides are spotty and restricted to local small areas	salt & pepper	Medium	trace	none	none	none	
UC104969	pink and green salt and pepper, trace sulphides, miarolitic cavities containing qtz	salt & pepper	Medium	trace	none	none	none	
UC104971	gossanous mafic on basal contact with gneiss. variable text in mafic- mixing zone equiv.	brown	Medium	disseminated	none	none	none	
UC104972	gossan after blebby and disseminated sulfides on base of mafic sil.	brown	Coarse	stringer	none	none	none	
UC104973	gossan in paragneiss and qtz veins. possible fw to mafic. mafic since eroded off.	brown	Fine	none	none	none	none	
UC104974	mineralised qtz vein in paragneiss - possible fw mineralisation.	white	Fine	none	disseminated	none	none	
UC104975	paragneiss with graphite and sulphide			trace	none	none	none	

Sample No	Zone	Easting	Northing	Rock Name	MagSus x100	Sample Comments
UC104977	19	623412	6445072	dolerite	2300	for MgO
UC104978	19	652199	6353929	gabbro boulder	460	small weathered boulder with minor blebby po-cpy.
UC105201	19	647157	6282759	paragneiss-quartzite	300	spy in qtz
uc105202	19	647153	6282750	paragneiss-quartzite	200	spy in qtz
uc105203	19	647719	6283034	paragneiss-quartzite	600	rep and geochem
UC105204	19	650236	6333339	troctolite	700	rep and geochem
UC105205	19	661350	6360571	paragneiss-quartzite	140	sample was taken fFrom subcrop however the outcrop containing similar material is only 10 m
UC105207	19	652107	6331491	troctolite	800	
UC105208	19	662335	6362882	gneiss boulder	17	rusty q-chl-actinolite with spo
UC105209	19	665719	6360480	amphibolite	26	albite-ser schist
UC105212	19	651364	6331880	gabbro	1000	rusty-friable
UC105213	19	637997	6362256	amphibolite	0	
UC105214	19	637201	6362726	amphibolite	0	
UC105215	19	637086	6362809	amphibolite	0	2 % SPO in amphibolite
UC105217	19	647212	6316226	amphibolite boulder	9100	rep and geochem
UC105218	19	646562	6335265	norite boulder	500	rep and geochem of sulfidized gabbro-norite - 2-3 % spo and minor scp
UC105219	19	665562	6324556	paragneiss-graphitic	1500	geochem and rep
UC105220	19	668182	6327369	dolerite	3300	geochem and rep
UC105221	19	635444	6293236	paragneiss	0	

Sample No	Rock Comments	Rock Colour	Grain size	Primary Mineralization Style	Secondary Mineralization Style	Primary Alteration Style	Secondary Alteration Style	Alteration comments
UC104977	dyke trending 240 deg. Feeder to bonne une? same age as gabbro sills?	black	Medium	none	none	none	none	
UC104978	weathered remnants of mineralised gabbroic boulder	brown	Medium	trace	none	none	none	
UC105201	quartz rock containing variable amounts of pyrite and minor silvery green mica, qtz is coarse grain, spy occurs along fractures in the qtz and as disseminations	white	Medium	stringer	none	none	none	
uc105202	quartz rock containing variable amounts of pyrite and minor silvery green mica, qtz is coarse grain, spy occurs along fractures in the qtz and as disseminations	white	Medium	stringer	none	none	none	
uc105203	granular white to clear qtz with 5% diss spy through out, mineralization is restricted to lenses in larger body of quartz - this outcrop is a pod 10m x 5m but low outcrop under overburden, minor silver ms and chlorite			disseminated	none	none	none	
UC105204	stubby plag laths with intergranular olivine, massive and uniform	salt & pepper	Medium	none	none	none	none	
UC105205	grey, homogeneous qtzite with seams of spy, some spo recognized in coarse grained variants	grey	Medium	stringer	none	none	none	
UC105207	plag-olivine-mb troctolite, stubby pla and olivine grains, Md grain (up to 5mm), overhanging troctolite is defined by strong magmatic layering which rolls gently to the SE	greenbrown	Medium	none	none	none	none	
UC105208	variably foliated, grey white gneiss	grey-white	Medium	none	none	none	none	
UC105209	dark green to black, ah-fp, sheared subcrop of amphibolite - introduction of albite and sericite, Minor spy, rusty Brown extremely rusty-friable garage sized float (?) of leuco gabbro - although it is so weathered, it is difficult to tell for sure spo recognized	rusty	Medium	none	none	none	none	
UC105212		rusty-brown	Coarse	none	none	none	none	
UC105213	fine grain, wavy foliation minor diss spo	green	Fine	disseminated	none	none	none	
UC105214	pale grey, hard, silicified, stringer and diss spo,	grey	Fine	disseminated	none	none	none	
UC105215	contact of pale grey, hard, silicified amphibolite with diss spo and white graphitic fp-q-g gneiss	grey	Fine	disseminated	none	none	none	
UC105217	megacrystic pyroxenite?	dark green	Coarse	none	none	none	none	
UC105218	various boulders of gabbro and fp-po-mb-xm-q norite, stubby x-tals, po intergranular to fp laths	grey	Medium	disseminated	none	none	none	
UC105219	white qtzite, well foliated, locally folded, rusty graphite Bearing fault (5cm) occurs along foliation-rock adjacent to fault strongly albited	rusty-white	Medium	none	none	none	none	
UC105220	very fine grain, weathers brown - fresh colour is dark grey	brown	Fine	none	none	none	none	
UC105221	white to locally rusty brown unit of q-f-mb paragneiss with trace graphite, variable grain size and composition, numerous angular boulders containing higher percentages of graphite	white	Medium	none	none	none	none	

Sample No	Zone	Easting	Northing	Rock Name	MagSus x100	Sample Comments
UC105222	19	635709	6292582	amphibolite	100	
UC105223	19	635753	6292229	paragneiss-graphitic	20	
UC105224	19	636511	6291996	amphibolite	60	
UC105225	19	634588	6291723	paragneiss-graphitic	38	
UC105226	19	634039	6295793	gneiss	15	rep and geochem
UC105227	19	634069	6295606	gneiss	15	rep and geochem
UC105228	19	634506	6295400	gneiss	20	rep and geochem
UC105229	19	634320	6295119	gneiss	10	rep and geochem
UC105230	19	631147	6296914	gneiss	5	rep and geochem
UR212922	19	630667	6413215	paragneiss	0	gneiss
UR212923	19	614812	6403018	paragneiss	39	
UR212924	19	627749	6415704	gabbro boulder	4300	
UR212925	19	621589	6404555	paragneiss	70	
UR212926	19	602510	6384228	amphibolite	300	amphibolite
UR212927	19	602510	6384228	amphibolite	300	amphibolite with sulphides
UR212928	19	589418	6407548	gabbro	0	
UR212929	19	588558	6409429	granodiorite	0	gabbro sample 100m south of gps point
UR212930	19	586835	6407237	troctolite	1300	FW to gabbro, some spy, spo
UR212931	19	586873	6407140	gabbro	2800	gabbro for MgO, chilled margin
UR212932	19	577463	6434366	gabbro	0	basal contact sill, for MgO
ur212933	19	561957	6440432	gossan	0	oxide sample
ur212934	19	561956	6440436	gossan	7000	sulfide gossan
ur212935	19	561956	6440437	gabbro	0	
UR212936	19	561957	6440436	troctolite	0	
UR212937	19	568999	6438160	troctolite	600	
ur212938	19	570369	6436373	iron formation (silicate)	50000	maybe boulder

Sample No	Rock Comments	Rock Colour	Grainsize	Primary Mineralization Style	Secondary Mineralization Style	Primary Alteration Style	Secondary Alteration Style	Alteration comments
UC105222	med grained amphibolitic amphibolite pod in q-f-mb paragneiss, trace pyrite	black	Medium	none	none	none	none	
UC105223	rusty extensive outcrop of graphitic paragneiss, 5-10% graphite, flat foliation	rusty-brown	Medium	none	none	none	none	
UC105224	layered unit of q-f gneiss and unit of moderately foliated ah-f amphibolite	black	Medium	none	none	none	none	
UC105225	rusty brown, q-f-mb paragneiss containing 5 % graphite, sub-horizontal foliation	rusty-brown	Medium	none	none	none	none	
UC105226	coarse grained pink -fk-q granite intrusive into q-f-mb gneiss	pink	Coarse	none	none	none	none	
UC105227	moderately foliated q-f-mb gneiss, horizontal foliation	salt & pepper	Medium	none	none	none	none	
UC105228	white feldspar rich granite with q-mb intermixed with q-f-mb gneiss, qtz in granite is smokey to clear and solitary grains, foliation is very flat,	white	Medium	none	none	none	none	
UC105229	white q-f-mb gneiss, minor amphibolite locally, flat foliation	white	Medium	none	none	none	none	
UC105230	gneiss locally with k-spar intruded by granite	salt & pepper	Medium	none	none	none	none	
UR212922			Medium	none	none	none	none	
UR212923				none	none	none	none	
UR212924	minor decaying troctolite boulders with magnetite			none	none	none	none	
UR212925	brown ferruginous q-f-b-graphite-garnet paragneiss	brown		trace	none	none	none	
UR212926	amphibolite with irregular contact with gneiss? q-f peg vein cuts amphibolite	black	Medium	none	none	none	none	
UR212927	amphibolite with irregular contact with gneiss? q-f peg vein cuts amphibolite	black	Medium	trace	none	none	none	
UR212928	20 cm vein in gabbro		Fine	stringer	vein	none	none	
UR212929	granodiorite dyke trending 020 through olivine gabbro			none	none	none	none	
UR212930	western basal contact, troctolite has subtkc (<5 deg) to east. FW gneiss with dissem sulph and goss veins	brown		trace	none	none	none	
UR212931				none	none	none	none	
UR212932	gabbro		Fine	none	none	none	none	
ur212933	gossanous gabbro	brown	Fine	massive	none	none	none	
ur212934	troctolite		Fine	none	none	none	none	
ur212935				none	none	none	none	
UR212936				none	none	none	none	
UR212937	mixing zone near basal contact on east side (therefore a depression, basal both sides); tr sulphides; variable textures	brown		trace	none	none	none	
ur212938	iron frm, within paragneiss	black	Fine	none	none	none	none	

Appendix 6b

Lithochemistry Analytical Certificates

Variable	Descriptive Statistics (GcxRK2001)							Std.Dev.
	Valid N	Mean	Median	Minimum	Maximum	Percentile 20.00000	Percentile 80.00000	
Ag_ppm	123	0.5	0.25	0.25	2.10	0.25	0.70	0.39
Al_%	123	6.1	6.31	0.19	15.00	3.63	8.00	2.84
As_ppm	123	2.6	2.50	2.50	10.00	2.50	2.50	0.86
PbFFAAu_ppb	123	3.4	2.00	0.00	24.00	0.00	5.00	4.54
Ba_ppm	123	326.0	227.00	8.00	3000.00	74.00	484.00	364.91
Bi_ppm	123	2.5	2.50	2.50	7.00	2.50	2.50	0.41
Ca_%	123	3.7	3.37	0.07	15.00	1.20	5.16	3.00
Cd_ppm	123	0.8	0.50	0.50	3.40	0.50	1.30	0.55
Co_ppm	123	63.3	45.00	1.00	494.00	14.00	68.00	84.47
Cr_ppm	123	310.1	227.00	21.00	2038.00	101.00	454.00	306.61
Cu_ppm	123	379.1	72.00	0.00	5190.00	23.00	512.00	766.53
Fe_%	123	8.6	7.93	0.32	15.00	5.13	15.00	4.33
Ga_ppm	123	7.3	5.00	5.00	30.00	5.00	10.00	5.02
K_%	123	0.9	0.72	0.04	3.31	0.44	1.36	0.63
La_ppm	123	19.7	11.00	2.00	299.00	2.00	24.00	34.37
Li_ppm	123	18.1	15.00	1.00	113.00	8.00	25.00	14.19
Mg_%	123	2.4	2.05	0.02	15.00	0.75	3.45	2.34
Mn_ppm	123	1103.5	783.00	29.00	30000.00	285.00	1218.00	2790.20
Mo_ppm	123	5.2	3.00	0.50	44.00	0.50	7.00	7.22
Na_%	123	1.9	2.04	0.05	4.11	1.01	2.52	0.88
Nb_ppm	123	12.7	12.00	2.50	40.00	2.50	21.00	8.92
Ni_ppm	123	407.0	62.00	0.00	6721.00	20.00	340.00	1087.01
Pb_ppm	123	8.2	6.00	1.00	44.00	1.00	14.00	8.26
PbFFAPd_ppb	123	7.8	3.00	0.00	103.00	1.00	8.00	16.47
PbFFAPt_ppb	123	5.5	2.00	2.00	60.00	2.00	8.00	7.46
S_%	123	1.5	0.50	0.00	15.00	0.09	1.98	2.42
Sb_ppm	123	3.4	2.50	2.50	44.00	2.50	2.50	4.66
Sc_ppm	123	12.8	10.00	2.50	47.00	2.50	21.00	10.81
Sn_ppm	123	10.1	10.00	10.00	23.00	10.00	10.00	1.17
Sr_ppm	123	262.2	252.00	6.00	1552.00	125.00	353.00	192.11
Ta_ppm	123	3.0	2.50	2.50	41.00	2.50	2.50	3.64
Te_ppm	123	12.5	12.50	12.50	12.50	12.50	12.50	0.00
Ti_%	123	0.5	0.41	0.01	2.71	0.19	0.85	0.46
V_ppm	123	116.9	100.00	3.00	485.00	42.00	169.00	90.21
W_ppm	123	10.0	10.00	10.00	10.00	10.00	10.00	0.00
Y_ppm	123	13.6	11.00	2.00	69.00	5.00	22.00	11.59
Zn_ppm	123	92.1	84.00	7.00	297.00	55.00	125.00	51.00
Zr_ppm	123	93.7	63.00	2.00	520.00	30.00	133.00	88.68

BC

BONDAR CLEGG



Geochemical Lab Report

PK

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-01123.0 (COMPLETE)

REFERENCE: ORDER #GBGOJEBB01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: G. BROWN/G. OSBORNE

PROJECT: XCAQJENI.3400

DATE RECEIVED: 20-JUN-01 DATE PRINTED: 27-JUN-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010627	1 Au	Au - FA35/36	13	1 PPB	FIRE ASSAY
010627	2 Pt	Pt - FA36	13	5 PPB	FIRE ASSAY
010627	3 Pd	Pd - FA36	13	1 PPB	FIRE ASSAY
010627	4 Au	Wt1 Test Weight	13	0.01 GM	FIRE ASSAY
010627	5 Ag	Ag - IC30	13	0.5 PPM	HF-HNO3-HClO4-HCL
010627	6 Cu	Cu - IC30	13	1 PPM	HF-HNO3-HClO4-HCL
010627	7 Pb	Pb - IC30	13	2 PPM	HF-HNO3-HClO4-HCL
010627	8 Zn	Zn - IC30	13	2 PPM	HF-HNO3-HClO4-HCL
010627	9 Mo	Mo - IC30	13	1 PPM	HF-HNO3-HClO4-HCL
010627	10 Ni	Ni - IC30	13	1 PPM	HF-HNO3-HClO4-HCL
010627	11 Co	Co - IC30	13	1 PPM	HF-HNO3-HClO4-HCL
010627	12 Cd	Cd - IC30	13	1.0 PPM	HF-HNO3-HClO4-HCL
010627	13 Bi	Bi - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	14 As	As - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	15 Sb	Sb - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	16 Fe	Tot Fe - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL
010627	17 Mn	Mn - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	18 Te	Te - IC30	13	25 PPM	HF-HNO3-HClO4-HCL
010627	19 Ba	Ba - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	20 Cr	Cr - IC30	13	2 PPM	HF-HNO3-HClO4-HCL
010627	21 V	V - IC30	13	2 PPM	HF-HNO3-HClO4-HCL
010627	22 Sn	Sn - IC30	13	20 PPM	HF-HNO3-HClO4-HCL
010627	23 W	W - IC30	13	20 PPM	HF-HNO3-HClO4-HCL
010627	24 La	La - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	25 Al	Al - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL
010627	26 Mg	Mg - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL
010627	27 Ca	Ca - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL
010627	28 Na	Na - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL
010627	29 K	K - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL
010627	30 Sr	Sr - IC30	13	1 PPM	HF-HNO3-HClO4-HCL
010627	31 Y	Y - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	32 Ga	Ga - IC30	13	10 PPM	HF-HNO3-HClO4-HCL
010627	33 Li	Li - IC30	13	2 PPM	HF-HNO3-HClO4-HCL
010627	34 Nb	Nb - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	35 Sc	Sc - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	36 Ta	Ta - IC30	13	5 PPM	HF-HNO3-HClO4-HCL

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010627	37 Ti	Ti - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL
010627	38 Zr	Zr - IC30	13	5 PPM	HF-HNO3-HClO4-HCL
010627	39 S	S - IC30	13	0.002 PCT	HF-HNO3-HClO4-HCL
SAMPLE TYPES		NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS
R ROCK		12	? -200	13	TOTAL SAMPLE PREP
P PREPARED PULP		1			
REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Some sample weights were reduced due to high Ni to increase fusion quality.					
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MR. KELLY MONIER					
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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01123.0 (COMPLETE)

DATE RECEIVED: 20-JUN-01 DATE PRINTED: 27-JUN-01 PAGE 1A(1/ 6)

PROJECT: XCAQUENI.3400

Table with columns: SAMPLE NUMBER, ELEMENT, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti) with corresponding units and values.



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Geochemical Lab Report

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REPORT: V01-01123.0 (COMPLETE)

DATE RECEIVED: 20-JUN-01

DATE PRINTED: 27-JUN-01

PROJECT: XCAQUENI.3400
PAGE 18(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
UC104900	65	0.337	
UC104901	43	1.548	
UC104902	63	1.461	
UC104903	44	1.212	
UC104904	74	9.737	
UC104905	106	6.333	
UC104950	48	0.923	
UC104951	18	>10.00	
UC104952	50	6.158	
UC104958	33	0.217	
UC104960	20	1.769	
UC104961	42	4.110	
UC104963	9	1.194	



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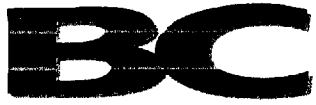
Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01123.0 (COMPLETE)

DATE RECEIVED: 20-JUN-01 DATE PRINTED: 27-JUN-01 PAGE 2A(3/ 6)

PROJECT: XCAQUENI.3400

Table with columns: STANDARD, ELEMENT, AU, PT, PD, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti. Rows include ANALYTICAL BLANK, ST 260, and CANMET STSD-4.



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01123.0 (COMPLETE)

DATE RECEIVED: 20-JUN-01

DATE PRINTED: 27-JUN-01

PROJECT: XCAQUENT.3400
PAGE 28(4/ 6)

STANDARD NAME	ELEMENT UNITS	Zr PPM	S PCT
ANALYTICAL BLANK	<5	<0.002	
Number of Analyses	1	1	
Mean Value	3	0.001	
Standard Deviation	-	-	
Accepted Value	<1	<0.001	
ST 260	-	-	
Number of Analyses	-	-	
Mean Value	-	-	
Standard Deviation	-	-	
Accepted Value	-	-	
CANMET STSD-4	50	0.095	
Number of Analyses	1	1	
Mean Value	50	0.095	
Standard Deviation	-	-	
Accepted Value	53	0.090	



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Geochemical Lab Report

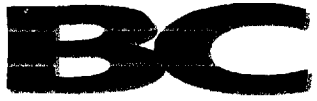
CLIENT: WMC INTERNATIONAL LTD. -EXPLORATION
REPORT: V01-01123.0 (COMPLETE)

DATE RECEIVED: 20-JUN-01

DATE PRINTED: 27-JUN-01

PROJECT: XCAQUENT.3400
PAGE 3A(5/ 6)

SAMPLE NUMBER	ELEMENT	AU UNITS	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
UC104903		3	10	14	32.19	<.5	901	4	80	<1	728	116	<1.0	<5	5	<5	>10.00	978	<25	159	91	65	<20	<20	9	6.31	5.62	3.98	1.93	0.38	326	11	<10	13	<5	<5	<5	0.63
Duplicate		4	12	14	31.51	<.5	856	8	76	<1	691	110	<1.0	<5	<5	<5	>10.00	911	<25	148	89	62	<20	<20	9	5.55	5.07	3.53	1.80	0.37	303	11	<10	12	<5	<5	<5	0.59



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Geochemical Lab Report

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PROJECT: XCAQUENI.3400

REPORT: V01-01123.0 (COMPLETE)

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PAGE 3B(6/ 6)

SAMPLE NUMBER	ELEMENT Zr UNITS PPM	S PCT
UC104903	44	1.212
Duplicate	43	1.149



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Geochemical Lab. Report

WMC INTERNATIONAL LTD - EXPLORATION
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SUITE 110
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BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-01341.0 (COMPLETE)

REFERENCE: ORDER #GBBBJE01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: G. BROWN/K. WINTER

PROJECT: XCAQUENI.3400

DATE RECEIVED: 19-JUL-01

DATE PRINTED: 26-JUL-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010726	1 AU	Au - FA35/36	6	1 PPB	FIRE ASSAY	010726	37 Ti	6	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010726	2 PD	Pd - FA36	6	1 PPB	FIRE ASSAY	010726	38 Zr	6	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010726	3 PT	Pt - FA36	6	5 PPB	FIRE ASSAY	010726	39 S	6	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010726	4 Au Wt1	Test Weight	6	0.01 GM	FIRE ASSAY						
010726	5 Ag	Ag - IC30	6	0.5 PPM	HF-HNO3-HClO4-HCL						
010726	6 Cu	Cu - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010726	7 Pb	Pb - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010726	8 Zn	Zn - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010726	9 Mo	Mo - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010726	10 Ni	Ni - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010726	11 Co	Co - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010726	12 Cd	Cd - IC30	6	1.0 PPM	HF-HNO3-HClO4-HCL						
010726	13 Bi	Bi - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	14 As	As - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	15 Sb	Sb - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	16 Fe Tot	Fe - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010726	17 Mn	Mn - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	18 Te	Te - IC30	6	25 PPM	HF-HNO3-HClO4-HCL						
010726	19 Ba	Ba - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	20 Cr	Cr - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010726	21 V	V - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010726	22 Sn	Sn - IC30	6	20 PPM	HF-HNO3-HClO4-HCL						
010726	23 W	W - IC30	6	20 PPM	HF-HNO3-HClO4-HCL						
010726	24 La	La - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	25 Al	Al - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010726	26 Mg	Mg - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010726	27 Ca	Ca - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010726	28 Na	Na - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010726	29 K	K - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010726	30 Sr	Sr - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010726	31 Y	Y - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	32 Ga	Ga - IC30	6	10 PPM	HF-HNO3-HClO4-HCL						
010726	33 Li	Li - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010726	34 Nb	Nb - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	35 Sc	Sc - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010726	36 Ta	Ta - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	5	? -200	6	PULP VERIFICATION	1
P PREPARED PULP	1			TOTAL SAMPLE PREP	5

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER
INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01341.0 (COMPLETE)

PROJECT: XCAQUENI.3400

DATE RECEIVED: 19-JUL-01

DATE PRINTED: 26-JUL-01

PAGE 1A(1/ 6)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PD PPB	PT PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
JC104923		2	<1	<5	31.03	<.5	153	6	190	3	27	53	<1.0	<5	10	<5	>10.00	2828	<25	125	69	197	<20	<20	299	1.28	4.10	>10.00	0.68	0.13	794	58	<10	45	16	44	<5	0.36	
JC104964		20	5	<5	30.39	1.2	995	2	83	8	196	80	<1.0	<5	<5	<5	>10.00	1034	<25	76	443	56	<20	<20	11	1.77	1.36	4.05	0.43	0.19	68	13	<10	7	<5	5	<5	0.09	
JC104965		11	3	<5	31.47	<.5	151	<2	219	4	162	38	<1.0	<5	<5	<5	8.30	2309	<25	1034	316	192	23	<20	7	3.96	7.30	>10.00	0.39	0.60	93	9	<10	6	22	17	<5	0.50	
JC104968		8	19	<5	30.88	<.5	970	37	147	2	505	23	<1.0	<5	<5	<5	5.69	514	<25	782	237	113	<20	<20	41	7.79	1.08	1.77	2.42	1.23	382	9	14	35	14	8	<5	0.48	
JC104969		<1	<1	<5	32.02	<.5	9	14	86	3	7	22	<1.0	<5	<5	<5	5.13	706	<25	847	198	95	<20	<20	44	7.13	0.77	2.08	2.55	1.58	235	22	<10	25	13	13	<5	0.93	
JC104970		118	44	20	30.64	<.5	287	4	64	<1	55	23	179	<1.0	<5	<5	<5	6.82	723	<25	60	700	14	22	<20	<5	0.54	>10.00	0.08	0.24	0.18	18	<5	<10	2	<5	<5	<5	0.01



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Geochemical Lab Report

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REPORT: V01-01341.0 (COMPLETE)

DATE RECEIVED: 19-JUL-01

DATE PRINTED: 26-JUL-01

PAGE 1B(2/ 6)

PROJECT: XCAQUENT.3400

SAMPLE NUMBER	ELEMENT	Zr	S
	UNITS	PPM	PCT
JC104923		113	1.626
JC104964		10	4.345
JC104965		49	1.716
JC104968		182	0.499
JC104969		202	0.042
JC104970		7	1.194



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DATE RECEIVED: 19-JUL-01 DATE PRINTED: 26-JUL-01 PAGE 2A(3/ 6)

PROJECT: XCAQUENI.3400

STANDARD NAME	ELEMENT	AU	PD	PT	Au	Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sr	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	
	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT		
ANALYTICAL BLANK		<1	1	<5	-	<.5	<1	<2	<2	<1	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<.01	<0.01	<0.01	<.01	<.01	<.01	<.01	<5	<10	<2	<5	<5	<5	<.01	
Number of Analyses		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		<1	1	3	-	0.3	<1	1	1	<1	<1	<1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	<.01	<0.01	<0.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	<.01	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<0.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<.01	
ST 260		932	1356	1973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		932	1356	1973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		880	1510	2230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MS91-1		-	-	-	-	<.5	95	7	89	1	44	23	<1.0	<5	9	<5	5.01	841	<25	668	96	184	<20	<20	11	7.09	1.90	1.97	1.65	0.88	264	14	<10	27	15	20	<5	0.48			
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-	-	0.3	95	7	89	1	44	23	0.5	3	9	3	5.01	841	13	668	96	184	10	10	11	7.09	1.90	1.97	1.65	0.88	264	14	5	27	15	20	3	0.48			
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Accepted Value		-	-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1	0.51			



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01341.0 (COMPLETE)

DATE RECEIVED: 19-JUL-01

DATE PRINTED: 26-JUL-01

PAGE 28(4/ 6)

PROJECT: XCAQUENI.3400

STANDARD NAME	ELEMENT	Zr UNITS PPM	S PCT
ANALYTICAL BLANK		<5	<.002
Number of Analyses		1	1
Mean Value		3	0.001
Standard Deviation		-	-
Accepted Value		<1	<.001
ST 260		-	-
Number of Analyses		-	-
Mean Value		-	-
Standard Deviation		-	-
Accepted Value		-	-
GS91-1		57	0.035
Number of Analyses		1	1
Mean Value		57	0.035
Standard Deviation		-	-
Accepted Value		60	0.030



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.3400

REPORT: V01-01341.0 (COMPLETE)

DATE RECEIVED: 19-JUL-01

DATE PRINTED: 26-JUL-01

PAGE 3A(5/ 6)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PD PPB	PT PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
JC104964		20	5	<5	30.39	1.2	995	2	83	8	196	80	<1.0	<5	<5	<5	>10.00	1034	<25	76	443	56	<20	<20	11	1.77	1.36	4.05	0.43	0.19	68	13	<10	7	<5	5	<5	0.09	
Duplicate		19	4	<5		1.3	961	<2	86	8	193	79	<1.0	<5	<5	<5	>10.00	999	<25	73	545	59	<20	<20	11	1.59	1.31	3.89	0.44	0.20	65	13	<10	7	<5	5	<5	0.09	



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.3400

REPORT: V01-01341.0 (COMPLETE)

DATE RECEIVED: 19-JUL-01

DATE PRINTED: 26-JUL-01

PAGE 38(6/ 6)

SAMPLE NUMBER	ELEMENT	Zr	S
	UNITS	PPM	PCT
JC104964		10	4.345
Duplicate		10	4.262



BONDAR CLEGG



Geochemical Lab Report

NO. 107/01 11:12 FAX 604/319131

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10102

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WSP

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MR. KELLY MONIER
C/O GEOPRO SERVICES
7225 EAST 28TH ST
TUCSON, AZ 85710

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BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-01553.0 (COMPLETE)

REFERENCE: ORDER #GBJENP01

CLIENT: WMC INTERNATIONAL LTD. - EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: KCAQJENI.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010822	1 Au	Au - FA35/36	17	1 PPB	FIRE ASSAY
010822	2 Pt	Pt - FA36	17	5 PPB	FIRE ASSAY
010822	3 Pd	Palladium	17	1 PPB	FIRE ASSAY
010822	4 Au WtI	Test Weight	17	0.01 GM	FIRE ASSAY
010822	5 Ag	Ag - IC30	17	0.5 PPM	HF-HNO3-HClO4-HCL
010822	6 Cu	Cu - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	7 Pb	Pb - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	8 Zn	Zn - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	9 Mo	Mo - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	10 Ni	Ni - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	11 Co	Co - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	12 Cd	Cd - IC30	17	1.0 PPM	HF-HNO3-HClO4-HCL
010822	13 Bi	Bi - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	14 As	As - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	15 Sb	Sb - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	16 Fe Tot	Fe - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	17 Mn	Mn - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	18 Te	Te - IC30	17	25 PPM	HF-HNO3-HClO4-HCL
010822	19 Ba	Ba - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	20 Cr	Cr - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	21 V	V - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	22 Sn	Sn - IC30	17	20 PPM	HF-HNO3-HClO4-HCL
010822	23 W	W - IC30	17	20 PPM	HF-HNO3-HClO4-HCL
010822	24 La	La - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	25 Al	Al - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	26 Mg	Mg - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	27 Ca	Ca - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	28 Na	Na - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	29 K	K - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	30 Sr	Sr - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	31 Y	Y - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	32 Ga	Ga - IC30	17	10 PPM	HF-HNO3-HClO4-HCL
010822	33 Li	Li - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	34 Nb	Nb - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	35 Sc	Sc - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	36 Ta	Ta - IC30	17	5 PPM	HF-HNO3-HClO4-HCL

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010822	37 Ti	Ti - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	38 Zr	Zr - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	39 S	S - IC30	17	0.002 PCT	HF-HNO3-HClO4-HCL

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	17	? -200	17	TOTAL SAMPLE PREP OVERWEIGHT/KG	17

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated

010822 17 AUG 2001 11:11 AM 27113111
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03



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Geochemical Laboratory

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01553.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 29-AUG-01 PAGE 1A(1/ 6)

PROJECT: XCAOJEN1.2400

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sr, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Tl, Zr) with corresponding values.

11.12 FAX 620/318131

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01553.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: KCAQUEMI 2400
PAGE 18(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
UC104700		0.264
UC104701		2.828
UC104702		1.962
UC104703		1.983
UC104704		1.730
UC104705		2.769
UC104706		2.111
UC104928		0.323
UC104929		1.256
UC104930		0.450
UC104931		3.819
UC104933		5.760
UC104934		0.663
UC104935		3.548
UC104936		3.241
UC104971		1.120
UC104972		9.771

01/01/01 11:12 PM 2001/08/28

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01553_0 (COMPLETE)

PROJECT: KCAQUEN1.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 2A(3/ 6)

STANDARD NAME	ELEMENT UNITS	Au	Pt	PD	Au	Wt	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sr	W	La	Al	Mg	Ca	Ni	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr			
		PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM				
ST 248		1127	106	686																																								
Number of Analyses		1	1	1																																								
Mean Value		1127	106	686																																								
Standard Deviation		-	-	-																																								
Accepted Value		1010	91	635																																								
ANALYTICAL BLANK		<1	<5	<1		<0.5	<1	<2	<2	<1	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<5	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	<0.01	<5				
Number of Analyses		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		<1	3	<1		0.3	<1	1	1	<1	<1	<1	<1	0.5	3	5	3	<0.01	3	13	3	1	1	10	10	3	<0.01	<0.01	<0.01	<0.01	<0.01	<1	3	5	1	3	3	3	<0.01	3				
Standard Deviation		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5		<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CANMET STSD-4		-	-	-		<0.5	57	16	93	<1	29	18	<1.0	<5	14	<5	3.56	1319	<5	1671	66	97	<20	<20	21	5.59	1.16	2.69	2.03	1.14	351	21	<10	14	10	11	<5	0.39	49					
Number of Analyses		-	-	-		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-		0.3	57	16	93	<1	29	18	0.5	3	14	3	3.56	1319	13	1671	66	97	10	10	21	5.59	1.16	2.69	2.03	1.14	351	21	5	14	10	11	3	0.39	49					
Standard Deviation		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	-		0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46	53					

11:17 PM 02/01/01 08/18/01 GeoPro Services



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01553.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 28(4/ 6)

PROJECT: KCAQUENT, 2400

STANDARD NAME	ELEMENT UNITS	S PCT
ST 24B		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-
ANALYTICAL BLANK		<.002
Number of Analyses		1
Mean Value		0.001
Standard Deviation		-
Accepted Value		<.001
CANMET STSD-4		0.105
Number of Analyses		1
Mean Value		0.105
Standard Deviation		-
Accepted Value		0.090

11-12 TNA 240/313131

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD. - EXPLORATION
REPORT: V01-01553.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 3A(5/ 6)

PROJECT: KCAQLENI.2400

SAMPLE NUMBER	ELEMENT UNITS	Au	PT	PD	AU Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sr	W	La	Al	Nb	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Zn	Ti	Zr
		PPB	PPB	PPB	GM PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	
UC104703		<1	<5	3	31.23	<5	392	18	27	2	54	35	41.0	<5	<5	<5	1.69	110	<25	65	553	15	<20	<20	14	4.74	0.20	3.37	1.01	0.14	963	<5	<10	20	<5	<5	<5	0.03	18
Duplicate						<5	372	15	24	2	54	36	41.0	<5	<5	<5	1.62	103	<25	63	642	14	<20	<20	13	4.45	0.19	3.27	1.00	0.14	895	<5	<10	20	<5	<5	<5	0.02	19

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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD. - EXPLORATION
REPORT: V01-01553.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 38 (6/ 6)

PROJECT: XCAQUENI.2400

SAMPLE NUMBER	ELEMENT	
	UNITS	%
UC104703	1.983	
Duplicate	1.984	

08/18/01 11:12 FAX 607318131

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10/08



BONDAR CLEGG



Geochemical Lab Report

09/19/01 11:12 FAX 5207319131

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10

Rock

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7225 EAST 28TH ST
TUCSON, AZ 85710

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BONDAR CLEGG



Geochemical Lab Report

REPORT: VD1-01554.0 (COMPLETE)

REFERENCE: ORDER #JMM310701

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010823	1 Au	Au - FA35/36	33	1 PPB	FIRE ASSAY
010823	2 Pt	Pt - FA36	33	5 PPB	FIRE ASSAY
010823	3 Pd	Palladium	33	1 PPB	FIRE ASSAY
010823	4 Au Wt1	Test Weight	33	0.01 GM	FIRE ASSAY
010823	5 Ag	Ag - IC30	33	0.5 PPM	HF-HNO3-HClO4-HCl
010823	6 Cu	Cu - IC30	33	1 PPM	HF-HNO3-HClO4-HCl
010823	7 Pb	Pb - IC30	33	2 PPM	HF-HNO3-HClO4-HCl
010823	8 Zn	Zn - IC30	33	2 PPM	HF-HNO3-HClO4-HCl
010823	9 Mo	Mo - IC30	33	1 PPM	HF-HNO3-HClO4-HCl
010823	10 Ni	Ni - IC30	33	1 PPM	HF-HNO3-HClO4-HCl
010823	11 Co	Co - IC30	33	1 PPM	HF-HNO3-HClO4-HCl
010823	12 Cd	Cd - IC30	33	1.0 PPM	HF-HNO3-HClO4-HCl
010823	13 Bi	Bi - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	14 As	As - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	15 Sb	Sb - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	16 Fe Tot	Fe - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCl
010823	17 Mn	Mn - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	18 Te	Te - IC30	33	25 PPM	HF-HNO3-HClO4-HCl
010823	19 Ba	Ba - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	20 Cr	Cr - IC30	33	2 PPM	HF-HNO3-HClO4-HCl
010823	21 V	V - IC30	33	2 PPM	HF-HNO3-HClO4-HCl
010823	22 Sn	Sn - IC30	33	20 PPM	HF-HNO3-HClO4-HCl
010823	23 W	W - IC30	33	20 PPM	HF-HNO3-HClO4-HCl
010823	24 La	La - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	25 Al	Al - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCl
010823	26 Mg	Mg - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCl
010823	27 Ca	Ca - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCl
010823	28 Na	Na - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCl
010823	29 K	K - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCl
010823	30 Sr	Sr - IC30	33	1 PPM	HF-HNO3-HClO4-HCl
010823	31 Y	Y - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	32 Ga	Ga - IC30	33	10 PPM	HF-HNO3-HClO4-HCl
010823	33 Li	Li - IC30	33	2 PPM	HF-HNO3-HClO4-HCl
010823	34 Nb	Nb - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	35 Sc	Sc - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	36 Ta	Ta - IC30	33	5 PPM	HF-HNO3-HClO4-HCl

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010823	37 Ti	Ti - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCl
010823	38 Zr	Zr - IC30	33	5 PPM	HF-HNO3-HClO4-HCl
010823	39 S	S - IC30	33	0.002 PCT	HF-HNO3-HClO4-HCl

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	33	7 -200	33	TOTAL SAMPLE PREP	33
S MISSING SAMPLE	2	0 NONE	2	OVERWEIGHT/KG	6

NOTES: S indicates Sample Not Received

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS MR. KELLY MONIER INVOICE TO: MS. ANNETTE BURT

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00101001 11.16 1A4 02018131 11



BONDAR CLEGG



Geochemical Lab Report

CLIENT: MMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01554.0 (COMPLETE)

PROJECT: XCAQUENI.2400
DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01 PAGE 1A(1/ 8)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Tl) with their respective concentrations in PPM or PCT.



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD. - EXPLORATION
REPORT: W01-01554.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01 PAGE 18(2/ 8)

PROJECT: KCADJENI.2400

SAMPLE NUMBER	ELEMENT	Zr	S
	UNITS	PPM	PCT
UC102601		58	0.092
UC102602		59	0.038
UC102603		74	0.075
UC102604		207	0.190
UC102605		85	0.295
UC102606		106	0.132
UC102607		219	0.041
UC102608		133	0.116
UC102609		87	0.047
UC102751			
UC104750		61	0.065
UC104752		293	0.027
UC104973		121	1.259
UC104974		21	1.592
UC104975		133	1.286
UC104976		185	0.159
UC104977		213	0.188
UC104978			
UR212922		136	1.251
UR212923		196	2.318
UR212924		34	0.031
UR212925		55	0.494
UR212926		44	0.248
UR212927		38	0.563
UR212928		87	0.053
UR212929		110	0.195
UR212930		103	1.270
UR212931		202	0.185
UR212932		185	0.148
UR212933		83	0.554

T T R I A T I C / 0 7 0 Y V I 7 I T I T O / R T / R R G E O P T O S E R V I C E S P T I 3



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WNC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01554.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01

DATE PRINTED: 27-AUG-01

PAGE 2A(3/ 8)

PROJECT: XCAQUENT.2600

SAMPLE NUMBER	ELEMENT UNITS	Au	Pt	Pd	Au	Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	V	Ga	Li	Nb	Sc	Ta	Ti
		PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT
UR212934		2	<5	3	31.66	<5	141	<2	168	4	104	75	<1.0	<5	<5	<5	9.85	935	<25	205	294	100	<20	<20	9	8.01	2.90	3.74	2.05	0.60	264	12	<10	11	18	9	<5	0.73	
UR212935		1	<5	3	31.66	<5	216	10	55	6	72	56	<1.0	<5	<5	<5	8.77	466	<25	355	208	67	<20	<20	16	7.39	2.28	1.84	2.19	0.71	274	10	<10	41	17	13	<5	0.21	
UR212936		<1	<5	<1	30.86	<5	9	3	87	4	70	51	<1.0	<5	<5	<5	8.12	838	<25	140	308	69	<20	<20	<5	9.16	3.31	3.96	2.34	0.55	266	5	<10	12	14	6	<5	0.38	
UR212937		7	19	33	30.65	1.6	962	26	74	2	347	57	<1.0	<5	<5	<5	9.75	722	<25	140	61	33	<20	<20	<5	7.91	2.56	3.67	1.70	0.57	250	<5	<10	11	15	<5	<5	0.28	
UR212938		<1	<5	3	30.08	1.8	<1	<2	38	<1	<1	11	<1.0	7	<5	7	>10.00	9384	<25	40	151	5	<20	<20	<5	0.51	0.51	0.81	0.37	0.20	8	<5	<10	3	34	<5	41	0.01	

T11:11 T10:11/10 T11:11 T10:11/10 T11:11 T10:11/10 T11:11 T10:11/10

GEOFFRO SERVICES



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD. - EXPLORATION

PROJECT: KCAQUENI 2400

REPORT: V01-01554.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01

DATE PRINTED: 27-AUG-01

PAGE 28 (4 / 8)

SAMPLE NUMBER	ELEMENT	Zr	S
	UNITS	PPM	PCT
UR212934		112	0.739
UR212935		118	2.666
UR212936		61	0.048
UR212937		60	0.351
UR212938		39	0.008

BC TEL 604 425 5151 FAX 604 425 5152



BONDAR CLEGG



Geochemical Lab rt

PK

WMC INTERNATIONAL LTD. - EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical Lab Report

PORT: V01-01732.0 (COMPLETE)

REFERENCE: ORDER #JEGBLF01

CLIENT: WMC INTERNATIONAL LTD. -EXPLORATION
PROJECT: XCAQUENI.2400

SUBMITTED BY: J. MCKINNON-MATTHEWS
DATE RECEIVED: 04-SEP-01 DATE PRINTED: 10-SEP-01

ROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
907 1	Au Au - FA35/36	10	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP	010907 37	Ti Ti - IC30	10	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
907 2	Pt Pt - FA36	10	5 PPB	FIRE ASSAY	FIRE ASSAY-ICP	010907 38	Zr Zr - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
907 3	Pd Palladium	10	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP	010907 39	S S - IC30	10	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
907 4	Au wt1 Test Weight	10	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA						
907 5	Ag Ag - IC30	10	0.5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 6	Cu Cu - IC30	10	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 7	Pb Pb - IC30	10	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 8	Zn Zn - IC30	10	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 9	Mo Mo - IC30	10	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 10	Ni Ni - IC30	10	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 11	Co Co - IC30	10	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 12	Cd Cd - IC30	10	1.0 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 13	Bi Bi - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 14	As As - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 15	Sb Sb - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 16	Fe Tot Fe - IC30	10	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 17	Mn Mn - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 18	Te Te - IC30	10	25 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 19	Ba Ba - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 20	Cr Cr - IC30	10	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 21	V V - IC30	10	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 22	Sn Sn - IC30	10	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 23	W W - IC30	10	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 24	La La - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 25	Al Al - IC30	10	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 26	Mg Mg - IC30	10	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 27	Ca Ca - IC30	10	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 28	Na Na - IC30	10	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 29	K K - IC30	10	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 30	Sr Sr - IC30	10	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 31	Y Y - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 32	Ga Ga - IC30	10	10 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 33	Li Li - IC30	10	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 34	Nb Nb - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 35	Sc Sc - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						
907 36	Ta Ta - IC30	10	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA						

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	10	? -200	10	TOTAL SAMPLE PREP OVERWEIGHT/KG	14

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.
Please note that lesser weights were taken to improve quality fusion due to high Fe, S content (AUD,PDD,PTD)

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MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG



Geochemical Lab Report

ENT: WMC INTERNATIONAL LTD.-EXPLORATION
ORT: V01-01732.0 (COMPLETE)

DATE RECEIVED: 04-SEP-01

DATE PRINTED: 10-SEP-01

PROJECT: XCAQUJENI.2400
PAGE 1A(1/ 6)

PLE BER	ELEMENT	Au UNITS	PT PPB	PD PPB	Au GM	Wt1 PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
04612		1	<5	1	32.62	<.5	65	11	70	3	13	10	<1.0	<5	<5	<5	6.44	1548	<25	237	413	29	<20	<20	9	6.06	0.59	1.59	2.31	0.56	191	45	11	10	<5	14	<5	0.20	277		
04618		1	<5	<1	30.41	<.5	15	<2	297	3	3	67	1.7	<5	<5	<5	>10.00	2637	<25	484	21	123	<20	<20	38	5.89	2.00	6.12	2.53	1.25	229	69	<10	27	17	47	<5	2.71	141		
04710		2	<5	<1	31.27	<.5	38	<2	108	<1	48	66	1.3	<5	<5	<5	>10.00	1441	<25	363	54	147	<20	<20	21	8.30	2.88	4.72	2.88	0.88	309	30	<10	16	12	23	<5	1.53	121		
04753		3	<5	5	32.96	<.5	152	11	100	44	113	26	<1.0	<5	<5	<5	4.43	308	<25	163	341	191	<20	<20	31	6.10	1.51	2.72	2.18	1.53	266	11	<10	20	22	6	<5	0.29	107		
04754		2	<5	2	30.65	<.5	27	<2	116	<1	56	61	1.2	<5	<5	<5	9.24	1216	<25	273	71	147	<20	<20	17	8.51	2.81	4.80	2.77	0.78	322	26	<10	15	11	19	<5	1.12	109		
04755		9	14	50	15.31	<.5	822	<2	135	11	474	326	1.3	<5	<5	<5	>10.00	1105	<25	95	127	163	<20	<20	14	4.71	2.05	2.44	2.02	0.62	151	18	<10	7	13	20	<5	0.97	97		
05201		8	<5	2	31.02	<.5	103	3	17	5	21	5	<1.0	<5	<5	<5	4.75	42	<25	29	747	8	<20	<20	<5	0.31	0.03	0.07	0.08	0.09	7	<5	<10	<2	<5	<5	<5	<.01	31		
05202		11	<5	3	30.78	<.5	171	<2	19	7	27	9	<1.0	<5	<5	<5	6.74	56	<25	12	699	16	<20	<20	<5	0.24	0.09	0.16	0.06	0.04	8	<5	<10	<2	<5	<5	<.01	30			
05203		16	<5	3	32.09	<.5	175	<2	34	4	28	27	<1.0	<5	<5	<5	9.31	50	<25	17	458	6	<20	<20	<5	0.19	0.05	0.08	0.05	0.05	6	<5	<10	<2	<5	<5	<.01	30			
05204		3	<5	1	30.18	<.5	27	<2	53	<1	88	39	1.6	<5	<5	<5	4.98	684	<25	175	101	68	<20	<20	7	9.58	2.58	5.60	2.67	0.59	386	11	<10	7	<5	12	<5	0.55	44		



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: V01-01732.0 (COMPLETE)

DATE RECEIVED: 04-SEP-01

DATE PRINTED: 10-SEP-01

PAGE 1B(2/ 6)

PROJECT: XCAQUENI.2400

SAMPLE	ELEMENT	UNITS	PERCENT
04612			0.112
04618			0.175
04710			0.088
04753			1.675
04754			0.131
04755			9.403
05201			2.917
05202			5.058
05203			6.013
05204			0.091



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PROJECT: XCAQUENI.2400
PAGE 2A(3/ 6)

STANDARD	ELEMENT	Au	PT	PD	Au	Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr		
	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM			
260		874	2395	1669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		874	2395	1669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reported Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYTICAL BLANK		1	<5	1	-	<.5	<1	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	2	<2	<20	<20	<5	<.01	<.01	<.01	0.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5				
Number of Analyses		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		1	3	1	-	0.3	<1	1	1	<1	1	<1	0.5	3	3	3	<0.01	3	13	3	2	1	10	10	3	<.01	<.01	<.01	0.01	<.01	<1	3	5	1	3	3	3	<.01	3				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Reported Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MET LKSD-2		-	-	-	-	<.5	33	43	211	<1	29	22	1.2	<5	10	<5	4.14	1920	<25	688	44	71	<20	<20	64	6.28	0.89	1.45	1.42	2.02	238	37	<10	22	9	12	<5	0.32	99				
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.3	33	43	211	<1	29	22	1.2	3	10	3	4.14	1920	13	688	44	71	10	10	64	6.28	0.89	1.45	1.42	2.02	238	37	5	22	9	12	3	0.32	99				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Reported Value		-	-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	0.40	128				



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD. - EXPLORATION
PROJECT: V01-01732.0 (COMPLETE)

DATE RECEIVED: 04-SEP-01

DATE PRINTED: 10-SEP-01

PROJECT: XCAQUENI.2400
PAGE 2B(4/ 6)

STANDARD	ELEMENT	UNITS	RESULTS
----------	---------	-------	---------

260			-
Number of Analyses			-
Mean Value			-
Standard Deviation			-
Accepted Value			-

ANALYTICAL BLANK		<.002	
Number of Analyses			1
Mean Value		0.001	
Standard Deviation		-	
Accepted Value		<.001	

NMET LKSD-2		0.160	
Number of Analyses			1
Mean Value		0.160	
Standard Deviation		-	
Accepted Value		0.140	



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Geochemical Lab Report

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DATE RECEIVED: 04-SEP-01

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PAGE 3A(5/ 6)

PROJECT: XCAQUENI.2400

MPLE	ELEMENT	Au	PT	PD Au Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
NUMBER	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	
104710		2	<5	<1	31.27	<.5	38	<2	108	<1	48	66	1.3	<5	<5	>10.00	1441	<25	363	54	147	<20	<20	21	8.30	2.88	4.72	2.88	0.88	309	30	<10	16	12	23	<5	1.53	121
uplicate						<.5	38	<2	108	<1	49	65	<1.0	<5	<5	>10.00	1406	<25	373	57	143	<20	<20	21	8.46	2.99	4.95	2.85	0.86	318	31	<10	15	9	23	<5	1.51	116



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: V01-01732.0 (COMPLETE)

DATE RECEIVED: 04-SEP-01

DATE PRINTED: 10-SEP-01

PROJECT: XCAQUEN1.2400
PAGE 3B(6/ 6)

SAMPLE NUMBER	ELEMENTS	UNITS	PCT
04710			0.088
uplicate			0.087



BONDAR CLEGG



Geochemical Lab Report

PK

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-01750.0 (COMPLETE)

REFERENCE: ORDER #JMM270801

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.2400

DATE RECEIVED: 05-SEP-01 DATE PRINTED: 10-SEP-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010907	1 Au	Au - FA35/36	13	1 PPB	FIRE ASSAY	010907	37 Ti	Ti - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010907	2 Pt	Pt - FA36	13	5 PPB	FIRE ASSAY	010907	38 Zr	Zr - IC30	13	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010907	3 Pd	Palladium	13	1 PPB	FIRE ASSAY	010907	39 S	S - IC30	13	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010907	4 Au	Wt1 Test Weight	13	0.01 GM	FIRE ASSAY							
010907	5 Ag	Ag - IC30	13	0.5 PPM	HF-HNO3-HClO4-HCL							
010907	6 Cu	Cu - IC30	13	1 PPM	HF-HNO3-HClO4-HCL							
010907	7 Pb	Pb - IC30	13	2 PPM	HF-HNO3-HClO4-HCL							
010907	8 Zn	Zn - IC30	13	2 PPM	HF-HNO3-HClO4-HCL							
010907	9 Mo	Mo - IC30	13	1 PPM	HF-HNO3-HClO4-HCL							
010907	10 Ni	Ni - IC30	13	1 PPM	HF-HNO3-HClO4-HCL							
010907	11 Co	Co - IC30	13	1 PPM	HF-HNO3-HClO4-HCL							
010907	12 Cd	Cd - IC30	13	1.0 PPM	HF-HNO3-HClO4-HCL							
010907	13 Bi	Bi - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	14 As	As - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	15 Sb	Sb - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	16 Fe	Tot Fe - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL							
010907	17 Mn	Mn - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	18 Te	Te - IC30	13	25 PPM	HF-HNO3-HClO4-HCL							
010907	19 Ba	Ba - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	20 Cr	Cr - IC30	13	2 PPM	HF-HNO3-HClO4-HCL							
010907	21 V	V - IC30	13	2 PPM	HF-HNO3-HClO4-HCL							
010907	22 Sn	Sn - IC30	13	20 PPM	HF-HNO3-HClO4-HCL							
010907	23 W	W - IC30	13	20 PPM	HF-HNO3-HClO4-HCL							
010907	24 La	La - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	25 Al	Al - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL							
010907	26 Mg	Mg - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL							
010907	27 Ca	Ca - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL							
010907	28 Na	Na - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL							
010907	29 K	K - IC30	13	0.01 PCT	HF-HNO3-HClO4-HCL							
010907	30 Sr	Sr - IC30	13	1 PPM	HF-HNO3-HClO4-HCL							
010907	31 Y	Y - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	32 Ga	Ga - IC30	13	10 PPM	HF-HNO3-HClO4-HCL							
010907	33 Li	Li - IC30	13	2 PPM	HF-HNO3-HClO4-HCL							
010907	34 Nb	Nb - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	35 Sc	Sc - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							
010907	36 Ta	Ta - IC30	13	5 PPM	HF-HNO3-HClO4-HCL							

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	13	? -200	13	TOTAL SAMPLE PREP OVERWEIGHT/KG	13

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER
INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG

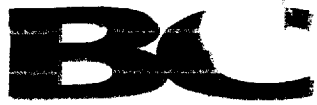


Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01750.0 (COMPLETE)

DATE RECEIVED: 05-SEP-01 DATE PRINTED: 10-SEP-01 PROJECT: XCAQUENI.2400
PAGE 1A(1/ 6)

SAMPLE NUMBER	ELEMENT	Au	PT	PD	Au	Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM		
UC104740		2	<5	4	31.69	<.5	178	11	90	6	40	18	1.9	<5	<5	<5	>10.00	>20000	<25	375	545	257	<20	<20	63	5.60	1.11	1.24	2.17	1.80	171	23	<10	52	26	11	8	0.49	81		
UC104741		2	<5	1	30.14	<.5	34	<2	94	<1	65	67	1.8	<5	<5	<5	9.39	1182	<25	373	67	141	<20	<20	20	7.73	2.74	4.38	2.62	1.19	347	29	<10	47	9	22	<5	1.46	121		
UC104743		1	<5	2	31.43	<.5	28	<2	95	1	66	62	1.5	<5	<5	<5	9.49	1173	<25	327	66	119	<20	<20	17	7.95	3.33	5.14	2.84	0.79	353	25	<10	12	8	18	<5	1.28	104		
UC105221		3	<5	1	32.13	<.5	10	15	39	<1	16	7	<1.0	<5	<5	<5	1.28	155	<25	685	215	23	<20	<20	6	3.63	0.38	2.22	2.82	1.28	372	<5	15	13	<5	<5	<5	0.13	46		
UC105222		3	<5	3	32.23	<.5	65	<2	115	<1	29	50	1.5	<5	<5	<5	>10.00	2224	<25	483	113	352	<20	<20	20	6.18	2.52	4.57	1.96	1.29	286	32	<10	19	30	24	<5	1.46	31		
UC105223		5	<5	7	31.35	<.5	69	17	34	14	23	6	<1.0	<5	<5	<5	2.63	76	<25	267	504	93	<20	<20	21	3.21	0.23	2.02	2.31	0.70	342	<5	14	5	8	<5	<5	0.13	508		
UC105224		2	<5	2	31.66	<.5	45	13	106	2	30	25	1.0	<5	<5	<5	4.11	514	<25	606	168	109	<20	<20	19	5.56	1.32	3.04	2.83	1.36	519	11	14	45	11	7	<5	0.50	37		
UC105225		5	<5	3	30.17	<.5	56	6	188	3	51	26	1.0	<5	<5	<5	6.62	783	<25	917	341	177	<20	<20	9	5.93	2.38	2.22	2.40	1.97	390	10	11	28	21	11	<5	0.61	115		
UC105226		2	<5	2	32.12	<.5	3	28	7	1	5	1	<1.0	<5	<5	<5	0.32	41	<25	616	156	3	<20	<20	7	2.16	0.02	0.56	3.10	1.92	65	<5	14	13	<5	<5	<5	0.02	19		
UC105227		2	<5	1	30.22	<.5	22	10	56	<1	22	13	<1.0	<5	<5	<5	2.65	342	<25	479	205	57	<20	<20	20	4.00	0.88	2.91	3.59	0.95	573	6	14	28	6	<5	<5	0.26	22		
UC105228		1	<5	2	32.54	<.5	7	15	55	<1	11	8	<1.0	<5	<5	22	1.79	201	<25	741	198	33	<20	<20	9	2.21	0.48	1.98	3.47	1.11	269	6	15	25	8	<5	<5	0.21	29		
UC105229		2	<5	2	31.15	<.5	14	6	39	2	20	10	<1.0	<5	<5	26	1.87	150	<25	356	492	32	<20	<20	8	2.61	0.51	2.14	3.38	0.92	247	<5	13	23	<5	<5	<5	0.22	57		
UC105230		2	<5	<1	30.32	<.5	3	19	26	2	17	6	<1.0	<5	<5	<5	1.10	228	<25	550	272	15	<20	<20	9	3.01	0.40	1.58	2.52	1.39	288	<5	13	23	<5	<5	<5	0.06	29		



BONDAR CLEGG



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DATE RECEIVED: 05-SEP-01

DATE PRINTED: 10-SEP-01

PROJECT: XCAQUENI.2400
PAGE 1B(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
UC104740		0.185
UC104741		0.114
UC104743		0.103
UC105221		0.029
UC105222		0.106
UC105223		0.493
UC105224		0.312
UC105225		0.724
UC105226		0.004
UC105227		0.046
UC105228		0.019
UC105229		0.025
UC105230		0.011



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PROJECT: XCAQUENI.2400

PAGE 2A(3/ 6)

Table with columns for STANDARD NAME, ELEMENT, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr). Rows include ST 260, ANALYTICAL BLANK, and CANMET STSD-4.



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DATE PRINTED: 10-SEP-01

PROJECT: XCAQUENI.2400

PAGE 2B(4/ 6)

STANDARD NAME	ELEMENT UNITS	S PCT
---------------	---------------	-------

ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

ANALYTICAL BLANK		<.002
Number of Analyses		1
Mean Value		0.001
Standard Deviation		-
Accepted Value		<.001

CANMET STSD-4		0.107
Number of Analyses		1
Mean Value		0.107
Standard Deviation		-
Accepted Value		0.090



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PROJECT: XCAQUENI.2400

PAGE 3A(5/ 6)

SAMPLE NUMBER	ELEMENT	Au	PT	PD	Au Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	
UC104740		2	<5	4	31.69	<.5	178	11	90	6	40	18	1.9	<5	<5	<5	>10.00	>20000	<25	375	545	257	<20	<20	63	5.60	1.11	1.24	2.17	1.80	171	23	<10	52	26	11	8	0.49	81
Duplicate					<.5	188	12	95	7	44	19	2.0	<5	<5	<5	>10.00	>20000	<25	431	535	255	<20	<20	69	6.78	1.11	1.22	2.19	1.70	192	24	11	54	27	15	11	0.50	86	
UC104743		1	<5	2	31.43	<.5	28	<2	95	1	66	62	1.5	<5	<5	<5	9.49	1173	<25	327	66	119	<20	<20	17	7.95	3.33	5.14	2.84	0.79	353	25	<10	12	8	18	<5	1.28	104
Duplicate		2	<5	1																																			



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD. - EXPLORATION
REPORT: V01-01750.0 (COMPLETE)

DATE RECEIVED: 05-SEP-01

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PROJECT: XCAQUENI . 2400
PAGE 3B(6/ 6)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
UC104740		0.185
Duplicate		0.198
UC104743		0.103
Duplicate		



BONDAR CLEGG



Geochemical Laboratory Report

PK

WMC INTERNATIONAL LTD. - EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



REPORT: V01-01730.0 (COMPLETE)

REFERENCE: ORDER #JENPAS01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.2400

DATE RECEIVED: 03-SEP-01 DATE PRINTED: 10-SEP-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010907	1 AU	Au - FA35/36	27	1 PPB	FIRE ASSAY	010907	37 Ti	Ti - IC30	27	0.01 PCT	HF-HNO3-HClO4-HCL INDUC. COUP. PLASMA
010907	2 PD	Pd - FA36	27	1 PPB	FIRE ASSAY	010907	38 Zr	Zr - IC30	27	5 PPM	HF-HNO3-HClO4-HCL INDUC. COUP. PLASMA
010907	3 PT	Pt - FA36	27	5 PPB	FIRE ASSAY	010907	39 S	S - IC30	27	0.002 PCT	HF-HNO3-HClO4-HCL INDUC. COUP. PLASMA
010907	4 Au Wt1	Test Weight	27	0.01 GM	FIRE ASSAY						
010907	5 Ag	Ag - IC30	27	0.5 PPM	HF-HNO3-HClO4-HCL						
010907	6 Cu	Cu - IC30	27	1 PPM	HF-HNO3-HClO4-HCL						
010907	7 Pb	Pb - IC30	27	2 PPM	HF-HNO3-HClO4-HCL						
010907	8 Zn	Zn - IC30	27	2 PPM	HF-HNO3-HClO4-HCL						
010907	9 Mo	Mo - IC30	27	1 PPM	HF-HNO3-HClO4-HCL						
010907	10 Ni	Ni - IC30	27	1 PPM	HF-HNO3-HClO4-HCL						
010907	11 Co	Co - IC30	27	1 PPM	HF-HNO3-HClO4-HCL						
010907	12 Cd	Cd - IC30	27	1.0 PPM	HF-HNO3-HClO4-HCL						
010907	13 Bi	Bi - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	14 As	As - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	15 Sb	Sb - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	16 Fe Tot	Fe - IC30	27	0.01 PCT	HF-HNO3-HClO4-HCL						
010907	17 Mn	Mn - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	18 Te	Te - IC30	27	25 PPM	HF-HNO3-HClO4-HCL						
010907	19 Ba	Ba - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	20 Cr	Cr - IC30	27	2 PPM	HF-HNO3-HClO4-HCL						
010907	21 V	V - IC30	27	2 PPM	HF-HNO3-HClO4-HCL						
010907	22 Sn	Sn - IC30	27	20 PPM	HF-HNO3-HClO4-HCL						
010907	23 W	W - IC30	27	20 PPM	HF-HNO3-HClO4-HCL						
010907	24 La	La - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	25 Al	Al - IC30	27	0.01 PCT	HF-HNO3-HClO4-HCL						
010907	26 Mg	Mg - IC30	27	0.01 PCT	HF-HNO3-HClO4-HCL						
010907	27 Ca	Ca - IC30	27	0.01 PCT	HF-HNO3-HClO4-HCL						
010907	28 Na	Na - IC30	27	0.01 PCT	HF-HNO3-HClO4-HCL						
010907	29 K	K - IC30	27	0.01 PCT	HF-HNO3-HClO4-HCL						
010907	30 Sr	Sr - IC30	27	1 PPM	HF-HNO3-HClO4-HCL						
010907	31 Y	Y - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	32 Ga	Ga - IC30	27	10 PPM	HF-HNO3-HClO4-HCL						
010907	33 Li	Li - IC30	27	2 PPM	HF-HNO3-HClO4-HCL						
010907	34 Nb	Nb - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	35 Sc	Sc - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						
010907	36 Ta	Ta - IC30	27	5 PPM	HF-HNO3-HClO4-HCL						

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	27	? -200	27	TOTAL SAMPLE PREP OVERWEIGHT/KG	17

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

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Geochemical Laboratory Report

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PROJECT: XCAQUENI.2400

REPORT: V01-01730.0 (COMPLETE)

DATE RECEIVED: 03-SEP-01

DATE PRINTED: 10-SEP-01

PAGE 1A(1/ 6)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PD PPB	PT PPB	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta
					GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM
UC104718	<1	<1	<5	30.39	0.5	27	5	58	2	5	7	<1.0	<5	<5	<5	4.13	804	<25	314	217	122	<20	<20	9	6.05	1.39	5.77	0.56	0.77	302	8	<10	13	9	19	<5		
UC104719	<1	6	<5	15.53	1.0	512	<2	125	7	30	138	1.1	<5	<5	<5	>10.00	1953	<25	30	109	351	<20	<20	42	5.34	2.54	7.38	1.47	0.25	270	22	<10	4	34	28	<5		
UC104720	<1	1	<5	30.95	1.0	370	<2	109	1	26	37	<1.0	<5	<5	<5	9.03	1112	<25	217	113	127	<20	<20	12	6.02	4.94	9.79	1.25	0.76	169	16	<10	8	7	21	6		
UC104721	<1	<1	<5	30.66	<.5	6	11	57	<1	7	10	<1.0	<5	<5	<5	2.03	191	<25	1138	93	42	<20	<20	39	6.16	1.53	2.09	2.53	2.24	400	<5	<10	16	6	<5	<5		
UC104722	<1	<1	<5	30.80	<.5	3	5	74	1	3	12	<1.0	<5	<5	<5	4.35	686	<25	1511	108	7	<20	<20	27	6.35	0.19	0.65	4.11	2.30	98	36	29	5	18	9	<5		
UC104723	8	11	10	31.58	1.1	1327	5	82	<1	1518	102	<1.0	<5	<5	<5	9.38	821	<25	147	139	62	<20	<20	6	9.10	5.51	5.16	1.73	0.39	320	8	<10	11	<5	8	<5		
UC104724	11	74	28	31.68	1.2	2209	9	83	<1	1542	105	<1.0	<5	<5	<5	9.19	534	<25	148	120	53	<20	<20	<5	>10.00	3.40	5.03	1.98	0.71	361	<5	<10	24	<5	5	<5		
UC104725	<1	<1	<5	32.26	<.5	58	16	17	5	31	8	1.4	<5	<5	<5	2.14	76	<25	50	559	16	<20	<20	94	3.50	0.10	0.72	1.51	0.76	50	12	<10	4	<5	7	<5		
UC104726	3	3	<5	32.48	0.6	119	4	107	9	81	23	<1.0	<5	<5	<5	8.43	207	<25	604	265	189	<20	<20	24	6.00	0.95	2.68	1.47	0.98	134	12	<10	23	18	14	<5		
UC104727	2	4	<5	30.46	2.1	882	11	138	15	40	18	<1.0	<5	<5	<5	5.69	432	<25	104	317	157	<20	<20	26	7.54	1.11	5.51	0.89	0.88	209	8	15	21	18	9	<5		
UC104728	2	7	<5	32.86	<.5	67	13	143	5	81	21	1.1	<5	<5	<5	5.88	164	<25	253	368	118	<20	<20	29	7.60	1.24	2.77	2.46	1.40	271	6	10	22	16	9	<5		
UC104729	3	1	<5	31.43	0.7	281	<2	143	<1	61	46	1.1	<5	<5	<5	8.85	1218	<25	28	169	485	<20	<20	<5	8.73	2.14	9.55	1.31	0.35	406	29	<10	10	40	45	<5		
UC104730	2	9	18	32.19	0.8	109	4	249	6	109	39	1.6	<5	<5	<5	7.62	1097	<25	324	305	283	<20	<20	11	7.68	2.74	7.79	1.19	0.74	235	23	<10	12	21	32	<5		
UC104733	<1	<1	<5	30.49	0.5	32	<2	62	2	137	44	<1.0	<5	<5	<5	6.01	727	<25	173	119	68	<20	<20	6	>10.00	4.02	6.79	2.43	0.44	385	11	<10	5	<5	12	<5		
UC104735	<1	<1	<5	31.42	<.5	17	4	58	2	176	44	<1.0	<5	<5	<5	5.74	666	<25	177	50	47	<20	<20	7	>10.00	4.22	6.56	2.38	0.43	390	10	<10	6	<5	7	<5		
UC105205	<1	<1	<5	31.72	0.5	79	10	95	3	39	36	<1.0	<5	<5	<5	6.19	872	<25	490	103	175	<20	<20	12	8.68	2.76	3.26	3.82	1.09	383	13	<10	24	12	21	<5		
UC105207	<1	<1	<5	31.41	<.5	20	5	65	3	268	53	<1.0	<5	<5	<5	6.94	821	<25	180	83	77	<20	<20	9	9.76	5.64	6.28	2.14	0.55	384	13	<10	6	<5	14	<5		
UC105208	<1	<1	<5	31.57	0.5	121	11	54	2	27	26	<1.0	<5	<5	<5	4.47	840	<25	266	148	100	<20	<20	9	8.00	2.00	5.08	3.61	0.60	501	8	<10	9	6	15	<5		
UC105209	<1	<1	<5	31.71	<.5	10	15	45	1	12	10	<1.0	<5	<5	<5	2.39	266	<25	706	229	32	<20	<20	49	7.15	1.14	2.33	3.01	1.86	499	10	<10	16	10	<5	<5		
UC105212	2	12	14	32.70	<.5	483	8	54	<1	618	52	<1.0	<5	<5	<5	4.88	504	<25	399	115	49	<20	<20	15	9.19	2.57	5.00	2.47	1.24	460	9	<10	16	<5	7	<5		
UC105213	<1	10	17	30.60	0.7	48	2	108	1	117	59	1.1	<5	<5	<5	5.87	980	<25	73	153	362	<20	<20	<5	8.41	1.93	>10.00	0.98	0.42	174	23	<10	12	30	44	<5		
UC105214	5	4	7	30.26	1.6	263	<2	277	6	107	61	1.5	<5	<5	<5	>10.00	1222	<25	74	215	345	<20	<20	5	6.35	1.72	>10.00	0.57	0.30	137	22	<10	8	27	35	<5		
UC105215	9	7	9	30.92	0.7	187	4	180	5	81	35	1.5	<5	<5	<5	6.55	804	<25	227	264	345	<20	<20	10	7.57	1.56	8.23	0.87	0.58	152	19	<10	10	29	36	<5		
UC105217	<1	<1	<5	31.23	0.5	6	<2	121	3	443	127	<1.0	<5	<5	<5	>10.00	1357	<25	21	617	79	<20	<20	9	1.97	>10.00	1.87	0.47	0.72	78	<5	<10	11	<5	7	<5		
UC105218	9	10	6	31.49	0.8	782	5	78	<1	1690	102	1.3	<5	<5	<5	8.73	860	<25	146	98	61	<20	<20	<5	9.23	5.25	6.00	1.93	0.44	321	7	<10	10	<5	11	<5		
UC105219	3	8	<5	15.08	<.5	270	16	90	17	96	25	<1.0	<5	<5	<5	>10.00	367	<25	316	227	158	<20	<20	62	6.30	0.96	0.91	1.88	2.06	213	11	<10	30	17	9	<5		
UC105220	<1	<1	<5	30.34	<.5	40	<2	109	2	65	68	1.3	<5	<5	<5	>10.00	1293	<25	361	59	138	<20	<20	19	8.66	3.73	5.47	2.38	0.72	322	28	<10	15	11	22	<5		



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REPORT: V01-01730.0 (COMPLETE)

PROJECT: XCAQUEN1.2400

DATE RECEIVED: 03-SEP-01

DATE PRINTED: 10-SEP-01

PAGE 18(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
UC104718		0.32	27	0.206
UC104719		1.66	<5	8.148
UC104720		0.26	39	1.714
UC104721		0.26	40	0.441
UC104722		0.61	520	0.013
UC104723		0.28	27	1.047
UC104724		0.25	26	1.293
UC104725		0.05	290	0.503
UC104726		0.37	99	4.179
UC104727		0.41	71	1.738
UC104728		0.38	122	1.614
UC104729		1.10	38	1.587
UC104730		0.54	67	1.198
UC104733		0.48	40	0.093
UC104735		0.37	41	0.089
UC105205		0.66	57	1.724
UC105207		0.53	43	0.096
UC105208		0.23	28	0.857
UC105209		0.25	56	0.435
UC105212		0.40	48	0.501
UC105213		0.81	22	0.357
UC105214		0.77	26	2.519
UC105215		0.74	50	1.725
UC105217		0.12	6	0.029
UC105218		0.30	26	1.210
UC105219		0.37	201	7.018
UC105220		1.40	122	0.194



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DATE RECEIVED: 03-SEP-01

DATE PRINTED: 10-SEP-01

PAGE 2A(3/ 6)

STANDARD NAME	ELEMENT UNITS	AU PPB	PD PPB	PT PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM			
ANALYTICAL BLANK		<1	<1	<5	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5		
ANALYTICAL BLANK		<1	<1	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		2	2	2	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		<1	<1	3	-	0.3	<1	1	1	<1	<1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	<0.01	<0.01	<0.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	3	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<0.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	
ST 248		1036	688	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		1036	688	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		1010	635	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET STSD-4		-	-	-	-	<.5	57	12	112	2	26	17	<1.0	<5	8	<5	3.76	1236	<25	1646	66	97	<20	<20	19	5.66	1.19	2.67	2.01	1.16	350	19	<10	13	10	11	<5	<5		
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-	-	0.3	57	12	112	2	26	17	0.5	3	8	3	3.76	1236	13	1646	66	97	10	10	19	5.66	1.19	2.67	2.01	1.16	350	19	5	13	10	11	3	3		
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	<1		
ST 260		945	1701	2518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		945	1701	2518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	1510	2230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



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PROJECT: XCAQUENI.2400

REPORT: V01-01730.0 (COMPLETE)

DATE RECEIVED: 03-SEP-01

DATE PRINTED: 10-SEP-01

PAGE 2B(4/ 6)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		-	-	-
Number of Analyses		1	1	1
Mean Value		<.01	3	0.001
Standard Deviation		-	-	-
Accepted Value		<.01	<1	<.001

ST 248		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

CANMET STSD-4	0.40	50	0.105
Number of Analyses	1	1	1
Mean Value	0.40	50	0.105
Standard Deviation	-	-	-
Accepted Value	0.46	53	0.090

ST 260		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-



BONDAR CLEGG



Geochemical Lab Report

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REPORT: V01-01730.0 (COMPLETE)

DATE RECEIVED: 03-SEP-01

DATE PRINTED: 10-SEP-01

PROJECT: XCAQUEN1.2400
PAGE 3A(5/ 6)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with corresponding values and units.



BONDAR CLEGG



Geochemical Lab Report

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PROJECT: XCAQUENI.2400

REPORT: V01-01730.0 (COMPLETE)

DATE RECEIVED: 03-SEP-01

DATE PRINTED: 10-SEP-01

PAGE 3B(6/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
UC104718		0.32	27	0.206
Duplicate		0.32	24	0.203
UC105209		0.25	56	0.435
Duplicate		0.25	55	0.418
UC105217		0.12	6	0.029
Duplicate				

Appendix 7a
Soil Sample Descriptions

Appendix 7a
Soil Sample Descriptions

Sample No	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
602192	19	649306	6330749	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609737	19	635144	6292823	0					Dry		"B" oxide	Orange	0-10	Sand	0
609761	19	635049	6292831	0					Dry		"B" oxide	Orange		Sand	0
609779	19	634951	6292835	0					Dry		"B" oxide	Orange	0-10	Sand	0
609708	19	635009	6293089	0					Dry		"B" oxide	Orange	0-10	Sand	0
609747	19	635103	6293068	0					Dry		"B" oxide	Orange	0-10	Sand	0
609781	19	635211	6293054	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609703	19	635304	6293051	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609722	19	635406	6292991	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602159	19	649807	6330753	0	low	Gentle Rising	Open forest	Open Forest							0
609683	19	651094	6330497	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602163	19	650098	6330752	0					Dry		"B" oxide	Brown	10-20	Sand	0
602151	19	650694	6330492	0	flat	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609695	19	652002	6330504	0	low	Gentle Rising	Grassland		Dry	Residual	"B" oxide	Brown	10-20	Sand	0
602135	19	650800	6330500	0	flat	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602161	19	649096	6330749	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602166	19	649194	6330748	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602126	19	649306	6330749	1											0
602158	19	649697	6330742	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
609623	19	650903	6330498	0	low	Gentle Falling	Open forest								0
602170	19	649999	6330749	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602144	19	649902	6330745	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602190	19	649598	6330749	0	flat	Gentle Rising	Open forest								0
602157	19	660294	6321125	0	flat		Open forest		Dry		"B" oxide	Cream	0-10	Clay	0
602114	19	649499	6330751	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
602192	Sand	0	0				0 p1-300 dup 602126 si red-brn, humus brn-blk	
609737	Clay	0	0					
609761	Clay	0	0					
609779	Clay	0	0					
609708	Clay	0	0					
609747	Clay	0	0					
609781	Clay	0	0				0 site g20-7, orange Brn	
609703	Clay	0	0				0 g20-7 med red-brn	
609722	Clay	0	0				0 site g20-7 red-med brn	
602159		0	0				0 p1-800 soil red-brn, humus blk	
609683		0	0				0 p2-2100, med Brn soil, h mus brn-blk, poor.	
602163	Clay	0	0				0 p1-1100, 750n correction soil red-brn, humus grey-blk	
602151	Clay	0	0				0 p1-1700e soil med red Brn, humus red brn root	
609695		0	0				0 p2-2000e, soil sandy-ridge top. humus brn, roots of moss	
602135	Clay	0	0				0 p1-1800e soil med-ylw brn, humus brn-blk root	
602161	Clay	0	0				0 p1-100 eol to west soil red-brn, hUmus Blk	
602166	Sand	0	0				0 p1-200 red brn soil, humus Blk	
602126		0	0				0 dup 192-see notes	
602158	Clay	0	0				0 p1-700 soil med brn, humus blk	
609623		0	0				0 p1-1900e mottled Brn-red Brn soul, poor profilr, humus brn-blk roots	
602170	Sand	0	0				0 p1-1000 soil red-brn, humus blk	
602144	Clay	0	0				0 p1-900 soil med Brn, humus blk	
602190		0	0				0 p1-600 soil red brn humus brn-blk	
602157	Sand	0	0				0 a81-3-1200, deep red Brn, blk humus, gabbro float.	
602114	Clay	0	0				0 p1-500 soul red-brn, hUmus good blk	

SampleNo	Zone	Easting	Northing	Dup	Topo_Relief	Slope	land use	Vegetation	Moistura	Soil Previdence	Soil_Type	Soil_Color	Compaction	Sample Comp1	%
602133	19	649405	6330752	0	low	Level	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
609637	19	651801	6330507	0	low	Gentle Rising	Open forest		Damp	Residual	"B" oxide	Brown	20-30	Clay	0
609641	19	651698	6330501	0	low	Gentle Falling	Grassland		Dry	Residual	"B" oxide	Brown	10-20	Clay	0
609694	19	651604	6330497	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609636	19	651493	6330498	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609603	19	651406	6330502	0	low	Gentle Rising	Open forest		Saturated	Transported	Podsolc	Black	20-30	Clay	0
609666	19	651306	6330497	0	flat	Level	Grassland		Saturated		Gley	Grey	10-20	Organic s	0
609635	19	651196	6330495	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
609619	19	651000	6330498	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602193	19	650608	6330500	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602176	19	650495	6330495	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602130	19	650400	6330502	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602153	19	660259	6321058	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602189	19	650346	6330610	0					Dry		"B" oxide	Brown	10-20	Sand	0
602107	19	650257	6330645	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602113	19	650214	6330745	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609608	19	652200	6330500	0	flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Sand	0
609649	19	651907	6330497	0	low	Gentle Rising	Grassland		Dry	Residual	"B" oxide	Brown	10-20	Clay	0
609646	19	652101	6330492	0	low	Gentle Falling	Grassland		Dry		"B" oxide	Brown	0-10	Sand	0
602145	19	659361	6321607	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609643	19	659289	6321544	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609628	19	659249	6321473	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
602133	Sand	0		0			p1-400 soil red brn humus Brn-blk p2-2800,soil deep red-brn,humus brn-blk ph=6.9 at sm strm,1m wide	
609637	Sand	0		0				
609641	Sand	0		0			p2-2700 near ridge top soil med brn,humus blk roots	
609694	Clay	0		0			p2-2600,soil med Brn,hUmus brn-blk roots	
609636	Clay	0		0			p2-2500, humus good blk,soil good,red-brn	
609603	Organics	0		0			p2-2400, soil blk gravellit,poor. hunus bkk,good	
609666	Clay	0		0			p2-2300,soil poor gley w minor ox,humus good,blk,edge of buggy swzmp	
609635	Clay	0		0			p2-2200, soil med brn, humus blk,mossy area under trees.	
609619	Sand	0		0			line p1-2000m, orientation across papavoine. site close to hole 1007 -ne. soil and humus at each site on line. humus organic-moss,not decayed.	
602193	Clay	0		0			p1-1600 soil brn,humus red-brn root	
602176	Clay	0		0			p1-1500 soil red-brn,humus red-brn	
602130	Clay	0		0			p1-1400 soil med brn,humus blk	
602153	Sand	0		0			a813-1100, red Brn, brn-blk humus	
602189	Clay	0		0			p1-1350 offset 100m north arlund lake soil med brn,humus brn-blk along n shore of lake	
602107	Sand	0		0			p1-1250,n side of lake soil red-brn,humud blk	
602113	Clay	0		0			p1-1200 offset soil red Brn,humus blk p2-2200e,soil sandy poor clay,humus blk	
609608		0		0				
609649	Sand	0		0			p2-2900e soil red-brn, hUmus brn-blk	
609646	Clay	0	Organic s	0			p1-2100e,soil shallow,med Brn,humus brn roots	
602145	Sand	0		0			soil med brn, humus blk	
609643	Sand	0		0			soil med red Brn, humus brn blk	
609628	Sand	0		0			soil med to red brn, humus blk	

Sample No.	Zone	Easting	Northing	Dup	Topo. Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
609647	19	659182	6321388	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609648	19	659115	6321315	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609625	19	659055	6321257	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609622	19	658978	6321185	0	flat		Open forest		Dry		"B" oxide	Black	10-20	Clay	0
602147	19	650960	6324231	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600234	19	639929	6296273	0	low	Level	Swamp		Moist		"B" oxide	Brown	10-20	Sand	0
600255	19	639802	6296185	0	flat	Level	Swamp		Saturated		"B" oxide	Brown	10-20	Sand	0
600214	19	639696	6296213	0	flat	Level	Swamp		Moist		"B" oxide	Brown	10-20	Sand	0
600262	19	639604	6296226	0	flat	Level	Swamp		Moist	Transported	"B" oxide	Brown		Sand	0
600253	19	639502	6296237	0	flat	Level	Swamp		Saturated		"B" oxide	Brown	10-20	Sand	0
600276	19	639396	6296218	0	flat	Level	Swamp		Saturated			Brown	10-20	Sand	0
609748	19	635512	6292967	0					Damp		"B" oxide	Brown	0-10	Sand	0
609704	19	635574	6292930	0					Moist		"B" oxide	red brown	0-10	Sand	0
609762	19	635671	6292794	0					Dry		"B" oxide	red brown	0-10	Sand	0
600382	19	624242	6416075	0	flat	Level	Open forest		Saturated		Humus	Black	0-10	Sand	0
600364	19	624178	6416003	0		Level	Open forest		Saturated		"B" oxide	Brown	0-10	Sand	0
600363	19	624068	6415842	0	flat	Level	Open forest		Saturated			Brown		Sand	0
600308	19	624004	6415802	0	flat	Level	Open forest		Moist		"B" oxide	Brown	0-10	Sand	0
600302	19	624499	6416649	0	low	Gentle Falling	Open forest		Damp		"B" oxide	red-brown	10-20	Sand	0
600307	19	624450	6416650	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	0-10	Clay	0
600293	19	637025	6292955	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
600365	19	624384	6416561	0	low	Gentle Rising	Open forest		Saturated		"B" oxide	Brown		Sand	0
600347	19	624280	6416462	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Orange	0-10	Sand	0
600381	19	624229	6416410	0	low	Gentle Rising	Swamp		Damp		"B" oxide	Orange		Sand	0
600305	19	624136	6416345	0	flat	Gentle Rising	Swamp		Damp		"B" oxide	Brown		Sand	0
600303	19	623847	6416240	0	flat	Level	Swamp		Moist		"B" oxide	Brown	10-20	Sand	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
609647	Sand	0		0			0 soil med brn, humus brn-blk	
609648	Sand	0		0			0 soil med Brn, hu us br -blk	
609625	Sand	0		0			0 soil med brn humus blk	
609622	Sand	0		0			0 soil med Brn, humus brn-blk	
602147	Sand	0		0			0 a4-1-2-0100, blk humus, med brown soil	
600234	Clay	0		0			0 g20-20-500, med brn	
600255	Clay	0		0			0 g20-20-400, med red-brn	
600214	Clay	0		0			0 g20-20-300, med-red Brn	
600262		0		0			0 g20-20-200, med brn sandy	
600253		0		0			0 g20-20-100, med brn sandy	
600276		0		0			0 g20-20-1-0, grey-brn	
609748	Clay	0		0			0	
609704		0		0			0	
609762		0		0			0	
600382	Organics	0		0			0 c1-1-3-400\$, swamp, Bag dample.	
600364		0		0			0 c1-1-2-200, pale brown, bad, boulder fir i swamp.	
600363	Clay	0		0			0 c1-1-2-100, bad. in swamp, bwn	
600308	Clay	0		0			0 c1-1-2-000, orange brw, moderate	
600302	Clay	0		0			0 C1-1-1 008. east end point of traverse.	
600307	Sand	0		0			0 C1-1-1 007. Firmer ground than from west. Second last on line.	
600293	Sand	0		0			0 g20-11-1000, orange, eol	
600365	Clay	0		0			0 C1-1-1 006 3from east end.	pale brown saturated
600347	Clay	0		0			0 C1-1 005. Duplicate. A better sample than those. Wet ground between boulder mounds two previous to west.	this sample is duplicate of 346
600381	Organics	0		0			0 C1-1 004. Poor sample still in boggy ground.	
600305	Clay	0	Organic	0			0 C1-1 003. Poor sample on swampy ground. Missed several samples between 002 and 003.	swampy ground
600303	Clay	0	Organic	0			0 C1-1 002 moist poor medium sample.	swamp edge mostly

SampleNo	Zone	Eastng	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
600336	19	623779	6416080	0	low	Level		Open Forest		Damp		"B" oxide	red-brown	10-20	Clay	0
600389	19	622701	6412034	0	flat	Level		Open forest		Moist		"B" oxide	red-brown	10-20	Sand	0
600368	19	622628	6411957	0	low	Level		Open forest		Moist		"B" oxide	White	0-10	Clay	0
600396	19	622581	6411880	0	flat	Level		Open forest		Saturated		"B" oxide	pale brown	0-10	Sand	0
600389	19	622500	6411797	0	low	Gentle Falling		Open forest		Saturated		"B" oxide	pale brown	10-20	Sand	0
600367	19	622449	6411727	0	flat	Level		Open forest		Moist		"B" oxide	Brown	0-10	Sand	0
600340	19	622372	6411642	0	low	Gentle Falling		Open forest		Moist		"B" oxide	brown-orange	10-20	Clay	0
600351	19	622316	6411582	0	flat	Level		Open forest		Moist		"B" oxide	White	10-20	Clay	0
600339	19	622209	6411518	0	low	Gentle Falling		Open forest		Moist		"B" oxide	brown-orange	10-20	Clay	0
600387	19	622125	6411460	0	low	Gentle Falling		Open forest		Moist		"B" oxide	Orange	10-20	Clay	0
600386	19	622064	6411396	0	flat	Level		Open forest		Moist		"B" oxide	red-brown	10-20	Clay	0
600323	19	622004	6411338	0	flat	Level		Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
600350	19	625527	6416039	0	low	Gentle Rising		Open forest		Moist		"B" oxide	red-brown	10-20	Clay	0
600349	19	625461	6415969	0	low	Gentle Rising		Open forest		Saturated		"B" oxide	Brown	10-20	Sand	0
600377	19	625389	6415863	0	flat	Level		Open forest		Dry		"B" oxide	red-brown	10-20	Sand	0
600371	19	625333	6415800	0	low	Gentle Falling		Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
600375	19	625270	6415723	0	flat	Level		Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600366	19	625208	6415647	0	moderate	Gentle Rising		Open forest		Damp		"B" oxide	Orange	10-20	Sand	0
600337	19	625141	6415573	0	flat	Level		Open forest		Damp		"B" oxide	red-brown	10-20	Clay	0
600395	19	625080	6415494	0	flat	Level		Open forest		Moist		"B" oxide	red-brown	10-20	Clay	0
600384	19	625009	6415425	0	low	Gentle Rising		Open forest		Moist		"B" oxide	Brown	10-20	Sand	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
600336	Sand	0		0			0 c1-1 001. 2nd sample on line.	between boulders
600389	Clay	0		0			0 c1-3-1-1100, swamp and boulder	
600368		0		0			0 c-1-3-1-1000, swampy with boulders	
600396	Clay	0		0			0 c-1-3-1-0800, swampy, bad sample	
600389	Clay	0	gley	0	organics		0 c-1-3-1-0700	
600367	Clay	0		0			0 c-1-3-1-0600	
600340	Sand	0		0			0 c-1-3-1-0500	
600351	Sand	0		0			0 c-1-3-1-0400	
600339	Sand	0		0			0 c-1-3-1-0300	
600387	Sand	0		0			0 c-1-3-1-0200	
600386	Sand	0		0			0 c-1-3-1-0100	
600323	Sand	0		0			0 c-1-3-1-0000, dark brwn.	
600350	Sand	0		0			0 c-1-1-3-1100, good, top of hill	
600349	Gravel	0		0			0 c-1-1-3-1000, reddhisd brw, boulder	
600377	Gravel	0		0			0 c-1-1-3-900, swampy ahead.	
600371		0		0			0 c-1-1-3-800, pale brown, one hole with red brown	
600375	Sand	0		0			0 c-1-1-3-700, reddhish brw.	
600366	Clay	0		0			0 c-1-1-3-600, orange brown	
600337	Sand	0		0			0 c-1-1-3-500,	
600395	Sand	0		0			0 c-1-1-3-400	
600384	Clay	0		0			0 c-1-1-3-300, mod soil, dark brown	

SampleNo	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
600394	19	624930	6415351	1	low		Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
602198	19	651025	6324290	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
602117	19	651077	6324344	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
609705	19	651145	6324395	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609735	19	651216	6324447	0	moderate	Gentle Rising	Open forest		Dry		Till	Brown	0-10	Sand	0
609713	19	651272	6324516	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
602116	19	651316	6324590	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609712	19	651377	6324667	1											0
602142	19	651377	6324667	0	moderate	Gentle Rising	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
602188	19	651462	6324755	0	flat	Level	Grassland		Dry		"B" oxide	Brown	0-10	Clay	0
602148	19	651542	6324816	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
602112	19	651594	6324893	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602111	19	651651	6324959	0					Dry		"B" oxide	Brown	0-10	Sand	0
609730	19	651717	6325017	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
609719	19	651773	6325086	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Red	10-20	Clay	0
602184	19	651835	6325152	0	moderate	Gentle Rising	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602106	19	651935	6325237	0					Dry		"B" oxide	Brown	0-10	Clay	0
609701	19	651995	6325289	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Cream	0-10	Sand	0
609707	19	652053	6325351	0	low	Gentle Rising	Grassland		Dry		"B" oxide	Brown	0-10	Clay	0
609724	19	652126	6325417	0	low	Level	Grassland		Dry		"B" oxide	Brown	0-10	Clay	0
602125	19	652262	6325284	0	low	Gentle Falling	Grassland		Dry		"B" oxide	Brown	0-10	Clay	0
602105	19	652187	6325220	1											0
602174	19	652187	6325220	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602168	19	652135	6325160	0	moderate	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602127	19	652052	6325107	0	low	Gentle Rising	Open forest		Dry			Brown	0-10	Sand	0
602109	19	651990	6325053	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
600394	Clay	0	0	0	0	0	dup of 600313	
602198	Sand	0	0	0	0	0	a4-1-2-0200, blk humus, med brw soil	
602117	Sand	0	0	0	0	0	a4-1-2-0300, blk humus, med to red brown soil	
609705	Sand	0	0	0	0	0	a4-1-2-0400, blk brw humus, med brw soil	
609735		0	0	0	0	0	a4-1-2-0500, blk humus, very small soil sample, pale to med brown	
609713	Clay	0	0	0	0	0	a4-1-2-0600, blk humus, med brw soil	
602116	Clay	0	0	0	0	0	a4-1-2-0700, black humus, med brown soil	
609712		0	0	0	0	0	duplicate of 602142	
602142	Sand	0	0	0	0	0	a4-1-2-0800, brw blk humus, dup 609712, med brw soil	
602188	Sand	0	0	0	0	0	a4-1-2-0900, blk brw humus, med to red brown soil	
602148		0	0	0	0	0	a4-1-2-1000, blk good humus, med brw soil	
602112	Sand	0	0	0	0	0	a4-1-2-1100, blk humus, med brw soil	
602111	Clay	0	0	0	0	0	a4-1-2-1200, red to med brw soil, blk humus	
609730		0	0	0	0	0	a4-1-2-1300, blk humus, red brw soil rown to med soil	
609719	Sand	0	0	0	0	0	a4-1-2-1400, blk humus, dark red soil, soil close to boulder	
602184	Sand	0	0	0	0	0	a4-1-2-1500, brw black humus, med brw with mottled red brw soil.	
602106	Sand	0	0	0	0	0	a4-1-2-1600, brw humus, med brown to red/yellow soil ph=7.1	
609701	Clay	0	0	0	0	0	a4-1-2-1700, blk humus, med brw to red soil,	
609707	Sand	0	0	0	0	0	a4-1-2-1800, blk humus, reb brw soil, shallow	
609724	Sand	0	0	0	0	0	a4-1-2-1900, brw blk humus, med to red brw soil	
602125	Sand	0	0	0	0	0	a4-1-1-1900, EOL, red brown soil, shallow b oxide, blk humus	
602105		0	0	0	0	0	duplicate of 602174	
602174	Sand	0	0	0	0	0	a4-1-1-1800, blk humus, med red brw soil, shallow b oxide	
602168	Sand	0	0	0	0	0	a4-1-1-1700, blk humus, red brown soil	
602127	Clay	0	0	0	0	0	a4-1-1-1600, brw blk humus, med brw to red mottled, boulder field	
602109	Clay	0	0	0	0	0	a4-1-1-1500, brw blk humus, med brw soil	

SampleNo	Zone	Eastings	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
602120	19	651929	6324986	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
602132	19	651862	6324926	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	0-10	Sand	0
602197	19	651808	6324854	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602124	19	651742	6324782	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602164	19	651666	6324718	0	moderate	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
602165	19	651585	6324629	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
602122	19	651515	6324572	0	flat	Level	Open forest		Moist		"B" oxide	Brown	0-10	Clay	0
602143	19	651443	6324519	0	moderate	Gentle Falling	Open forest		Moist		"B" oxide	Brown	0-10	Clay	0
602129	19	651381	6324447	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602160	19	651330	6324376	0	low	Gentle Rising	Open forest								0
602156	19	651255	6324292	0	flat	Level	Open forest		Saturated		"B" oxide	Brown	10-20	Clay	0
602103	19	651203	6324222	0	low	Gentle Falling	Open forest		Dry		"B" oxide		0-10	Clay	0
602183	19	651144	6324162	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	0-10	Clay	0
602155	19	651076	6324101	0	flat	Gentle Rising	Open forest		Moist		"B" oxide	Brown	0-10	Clay	0
602196	19	651018	6324035	0	low	Level	Open forest		Dry		"B" oxide	Black	10-20	Sand	0
602118	19	650500	6331268	0			Open forest		Dry		"B" oxide	Brown	10-20		
602121	19	650499	6331523	0			Open forest		Dry		"B" oxide	Brown	0-10		
602128	19	650518	6331995	0			Open forest		Dry		"B" oxide	Brown	0-10		
602140	19	651007	6331999	0			Open forest				"B" oxide	Brown	0-10		
602115	19	649495	6331687												
609604	19	650003	6331760												
609631	19	649999	6331974												
609639	19	650003	6331248												
609669	19	650062	6331004												

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
602120	Sand	0		0			a4-1-1-1400, blk humus 0hUm, kkmmed brw soil	
602132	Clay	0		0			a4-1-1-1300, blk humus, med brw soil	
602197	Clay	0	Gravel	0			a4-1-1-1200, brw humus, med brw soil	
602124	Sand	0	Gravel	0			a4-1-1-1100, med brw soil, brw blk humus	
602164	Sand	0		0			a4-1-1-1000, med brw to mottled red brw soil, pale brw in one hole, brw blk humus	
602165	Clay	0		0			a4-1-1-0900, med brw soil, brw humus	
602122	Sand	0		0			a4-1-1-0800, boulder field, blk humus, med to red mottled soil	
602143		0		0			a4-1-1-0700, med to red brw soil, blk humus	
602129	Sand	0		0			a4-1-1-0600, med red soil, blk brw humus	
602160		0		0			a4-1-1-0500, brw blk humus, med to red brw soil	
602156	Sand	0		0			a4-1-1-0400, blk/ brw humus, red brw soil ph=8.1	
602103	Sand	0		0			a4-1-1-0300 red to med brw soil, blk humus	
602183	Sand	0		0			a4-1-1-0200, blk humus, red to med brown soil.	
602155	Sand	0		0			a4-1-1-0100, black humus, med brw to mottled red brw soil	
602196	Clay	0		0			a4-1-1-0000, EOL, edge of lake, sandy poor soils, humus good, black roots.	
602118							P grid, med brown, blk humus	
602121							P grid, med brwn soil, blk humus	
602128							P grid, med brwn soil, brwn blk humus	
602140							P grid deep red brwn soil, blk humus	
602115							p grid	
609604							p2-1750	
609631							p2-2000	
609639							p2-1250, humus, soil	
609669							p2-1000,	

Sample No	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
609670	19	649998	6331497												
600261	19	636909	6292930	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
600209	19	636804	6292952	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
600265	19	636708	6292969	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
600254	19	636616	6292987	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
600270	19	636501	6292970	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
600299	19	636419	6292976	0	low	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
600278	19	636300	6293027	0	low	Level	Swamp		Saturated		"B" oxide	Brown	0-10	Sand	0
600277	19	622712	6405095	1	flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
609764	19	635766	6292818	0					Damp		"B" oxide	red brown	0-10	Sand	0
609725	19	635853	6292797	0					Damp		"B" oxide	red brown	0-10	Sand	0
609787	19	635942	6292816	0					Damp		"B" oxide	Brown	0-10	Sand	0
600313	19	624930	6415352	0	moderate	Steep Falling	Open forest		Moist		"B" oxide	red-brown	10-20	Clay	0
600325	19	624862	6415297	0	moderate	Steep Rising	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
600393	19	624523	6416501	0	moderate	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
600392	19	624489	6416433	0	moderate	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600383	19	624382	6416355	0	flat	Level	Open forest		Moist		"B" oxide	red-brown	10-20	Clay	0
600312	19	624333	6416269	0	flat	Level	Open forest		Moist		"B" oxide	Grey	10-20	Sand	0
600382	19	624285	6416167	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
600301	19	623729	6416005	0	low	Gentle Rising	Open Forest		Dry		"B" oxide	Red		Clay	0
600391	19	628568	6423051	0	low	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600362	19	628473	6423062	0	flat	Level	Grassland				"B" oxide				0
600345	19	628350	6423047	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600335	19	628256	6423050	0	moderate	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600374	19	628152	6423049	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
609670							p2-1500	
600261	Clay	0		0			g20-11-900, orange	
600209	Clay	0		0			g20-11-800, orange	
600265	Clay	0		0			g20-11-700, orange	
600254	Clay	0		0			g20-11-600, orange	
600270	Clay	0		0			g20-11-500, red	
600299	Clay	0		0			g20-11-400, orange	
600278	Clay	0		0			g20-11-300, med grey bm, sandy	
600277	Sand	0		0			j-1-3-2-900, dup 609304, orange	
609764		0		0				
609725		0		0				
609787		0		0				
600313	Sand	0		0			c-1-1-3-100, good sample, red brown, outcrops of granitic gneiss.	
600325	Sand	0		0			c-1-1-3-000, med brwn.	
600393	Sand	0		0			c-1-1-1000, yellow	
600392	Clay	0		0			c-1-1-2-900	
600383	Sand	0		0			c-1-1-2-800, red Brown	
600312		0		0			c-1-1-2-700, swampy, brwn grey.	
600382	Sand	0		0			c-1-1-2-600, in swanpy area. not a good sample, brwn	
600301	Sand	0		0			C1-1 000. Variable soil; some red some glay.	
600391	Clay	0		0			k3-1-600, red brown, not too ad	
600362		0		0			k3-1-500, dark brwn, poor, swamp by boulder field.	
600345	Clay	0		0			k3-1-400, red brown	
600335	Clay	0		0			k3-1-300, orangebrwn.	
600374	Sand	0		0			k3-1-100, orande brw to darkbrw	

SampleNo	Zone	Easting	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
600361	19	628039	6423036	0		flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
600360	19	628506	6426796	0		moderate	Steep Rising	Grassland		Moist		"B" oxide	Brown	20-30	Clay	0
600329	19	628416	6426795	0		moderate	Steep Rising	Open forest		Dry		"B" oxide	Brown		Clay	0
600338	19	628301	6426799	0		low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600390	19	628213	6426801	0		moderate	Steep Rising	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
600385	19	628089	6426796	0		flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600344	19	628001	6426800	1		moderate	Gentle Falling	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600334	19	628001	6426800	0		moderate	Gentle Falling	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600333	19	627891	6426800	0		flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
600315	19	627804	6426797	0		flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
627712	19	627712	6426793	0		low	Gentle Falling	Open forest		Moist		"B" oxide		10-20	Sand	0
600332	19	627598	6426795	0		low	Gentle Rising	Open forest		Dry			Brown	10-20	Sand	0
600373	19	627512	6426827	0		flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
600230	19	617483	6424914	0						Dry	Transported	"B" oxide	Orange	10-20	Sand	0
600246	19	617406	6424856	0		flat	Gentle Falling	Open forest		Dry	Transported	"B" oxide	Brown	20-30	Sand	0
600237	19	617346	6424783	0		flat	Level	Open forest		Dry	Residual	"B" oxide	Brown	0-10	Sand	0
600256	19	617270	6424707	0		flat	Gentle Falling	Open forest		Moist	Residual	"B" oxide	Brown	10-20	Sand	0
600229	19	626956	6413996	0		low	Level	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
600238	19	626894	6413931	0		low	Gentle Falling	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
600212	19	626830	6413865	0		moderate	Gentle Falling		Barren	Dry	Transported	"B" oxide	Orange	10-20	Sand	0
600206	19	626770	6413786	0		moderate	Gentle Falling		Barren	Moist	Transported	"B" oxide	Brown	10-20	Sand	0
600217	19	626713	6413720	0		moderate	Level		Barren	Moist	Transported	"B" oxide	Brown	20-30	Sand	0
600210	19	626646	6413657	0		moderate	Gentle Falling		Barren	Dry	Transported	"B" oxide	Brown	0-10	Sand	0
601641	19	627480	6415889	0		flat	Level	Grassland		Moist		"B" oxide	Brown	10-20	Sand	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
600361	Clay	0		0			0 k301-000, dark brwn	
600360		0		0			0 k-4-1-1000, top of hill no tree, very good, dEep red. gneiss outcro	
600329	Sand	0		0			0 k4-1-1000, red Brown	
600338	Sand	0		0			0 k4p1-900, red brown, good k4-1-800, da	
600390	Sand	0		0			0 k brown, bot hill	
600385	Clay	0		0			0 k4-qp7o0, brown, 0 gley, creek sidE.	
600344	Clay	0		0			0 k4-1-600, brown to reddish, bot hill bouldersdup of 600334	
600334	Clay	0		0			0 k4-1-600, brown to reddish, bot hill boulders	
600333	Clay	0		0			0 k4-1-500, poor soil, swampy, gley in one ho.eand reddish brown.	
600315		0		0			0 k4-1-300, yellow brown	
627712	Clay	0		0			0 k41-200, red brown	
600332	Clay	0		0			0 k4:1-100, red brown, thick	
600373	Gravel	0	Clay	0			0 k4-1-000, poor soil, gravel, dark brown.	
600230	Clay	0		0			0 C2-1-1-300	
600246	Clay	0		0			0 C2-1-1-200, red brown C2-1-1-100, medium brown.	
600237	Clay	0		0			0 White granite o/c with paragneiss xenoliths.	
600256	Organics	0		0			0 C2-1-1-0, deep red brown.	
600229	Clay	0		0			0 C4-1-1-500, red brown	
600238	Clay	0		0			0 C4-1-1-400, medium brown	
600212	Clay	0		0			0 C4-1-1-300	
600206	Clay	0		0			0 C4-1-1-200, medium brown to red brown.	
600217	Clay	0		0			0 C4-1-1-100, red brown	
600210	Clay	0		0			0 C4-1-1-0, medium brown	
601641	Clay	0		0			0 c1-5-1-700, sandy orange brn	

Sample No	Zone	Eastings	Northing	Dep	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Provenience	Soil Type	Soil Color	Compaction	Sample Comp1	%
601695	19	627398	6415847	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
601617	19	627328	6415787	0	low	Gentle Falling	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601664	19	627289	6415710	0	low	Gentle Falling	Open forest		Dry	Transported	"B" oxide	Brown	0-10	Sand	0
601608	19	627233	6415639	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
601679	19	627158	6415576	0	low	Gentle Falling	Open forest	Open Forest	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601663	19	627091	6415509	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
601646	19	627031	6415448	0	flat	Gentle Falling	Grassland		Dry		"B" oxide	Brown	10-20	Sand	0
601678	19	633974	6442985	0	flat	Gentle Rising	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601633	19	633852	6442967	0	low	Gentle Rising	Open forest	Crop	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601685	19	633663	6442931	0	flat	Level	Swamp		Moist	Transported	"B" oxide	Brown	10-20	Sand	0
601660	19	633466	6442956	0	flat	Level	Swamp	Crop	Moist	Transported	"B" oxide	Brown	10-20	Sand	0
601677	19	633375	6442971	0	flat	Level	Open forest	Crop	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601653	19	627580	6419454	0	flat	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
601687	19	627508	6419386	0	low	Gentle Rising	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601629	19	627437	6419323	0	flat	Level	Open forest	Open Forest	Dry	Transported	"B" oxide	Brown	20-30	Sand	0
601698	19	627368	6419275	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
601631	19	627292	6419231	0	flat	Gentle Rising	Open forest	Open Forest	Moist	Transported	"B" oxide	Brown	0-10	Sand	0
601637	19	627222	6419168	0	low	Gentle Rising	Open forest		Moist	Transported	"B" oxide	Brown	10-20	Sand	0
601694	19	627162	6419142	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
601652	19	629239	6452870	0	flat	Level	Open forest	Crop	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601632	19	629180	6452798	0	flat	Level	Open forest	Crop	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601630	19	629102	6452738	0	flat	Level	Swamp		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601688	19	628971	6452590	0	flat	Level	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
601695	Clay	0	0	0	0	0	c1-5-1-600, orange -brown	
601617	Clay	0	0	0	0	0	c1-5-1-500, orange Brn	
601664		0	0	0	0	0	c1-5-1-400, orange brn	
601608	Clay	0	0	0	0	0	c1-5-300, red-brn ti med brn	
601679	Clay	0	0	0	0	0	c1-5-1-200, orange-red brn	
601663	Clay	0	0	0	0	0	c1-5-1-100, orange brn	
601646	Clay	0	0	0	0	0	c1-5-1-0, red brn	
601678	Clay	0	0	0	0	0	K5-1-1-500, dark brown.	
601633	Clay	0	0	0	0	0	K5-1-1-400, medlum brown to dark brown K5-1-1-300, deep red Brown, on edge of sWamp.	
601685	Clay	0	0	0	0	0	Missed last spot due to swamp.	
601660	Clay	0	0	0	0	0	K5-1-1-100, medium brown, On edge of swamp.	
601677	Clay	0	0	0	0	0	K5-1-1-0, medium brown	
601653	Clay	0	0	0	0	0	k1-1-600, med-red brn	
601687	Clay	0	0	0	0	0	k1-1-500, red-brn	
601629	Clay	0	0	0	0	0	k1-1-400, Med brn	
601698	Clay	0	0	0	0	0	k1-1-1-300, orange-brn	
601631	Clay	0	0	0	0	0	k1-1-1-200, red-brn	
601637	Clay	0	0	0	0	0	k1-1-100, med brn	
601694	Clay	0	0	0	0	0	k1-1-0, med brn	
601652	Clay	0	0	0	0	0	D1-1-2-400, dark red brown	
601632	Clay	0	0	0	0	0	D1-1-2-300, red brown	
601630	Clay	0	0	0	0	0	D1-1-2-200, red brown. On edge of sWamp.	
601688	Clay	0	0	0	0	0	D1-1-2-100, red brown	

SampleNo	Zone	Eastings	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
601674	19	628895	6452522	0	flat	Level	Open forest	Crop	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601619	19	628929	6453100	0	flat	Level	Open forest	Barren	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601628	19	628858	6453042	0	low	Level	Open forest	Barren	Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601684	19	628798	6452969	0	flat	Level	Swamp		Moist	Transported	"B" oxide	Brown	10-20	Sand	0
601676	19	628697	6452916	0	flat	Level	Swamp		Saturated	Transported	"B" oxide	Brown	10-20	Sand	0
601651	19	628628	6452857	0	low	Level	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
601672	19	628555	6452786	0	flat	Level	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
606892	19	622832	6452159	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
606847	19	622764	6411089	0	low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
606877	19	622910	6411836	0	low	Gentle Falling	Open forest		Dry	Transported	"B" oxide	Brown	0-10	Sand	0
606866	19	622857	6411768	0	low	Gentle Rising	Open forest		Dry	Transported	"B" oxide	Yellow	0-10	Sand	0
606885	19	622790	6411694	0	low	Level	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Sand	0
606890	19	622725	6411614	0	flat	Gentle Falling	Open forest		Damp		"B" oxide	Brown	20-30	Sand	0
606888	19	622662	6411564	0	flat	Gentle Falling	Open forest		Dry		"B" oxide	Brown	20-30	Sand	0
606898	19	622261	6411171	0	low	Gentle Falling	Grassland		Damp		"B" oxide	Brown	10-20	Sand	0
606846	19	622539	6411437	1	low	Level	Open forest		Dry	Transported	"B" oxide	Brown	20-30	Sand	0
606869	19	622539	6411436	0	low	Level	Open forest		Dry	Transported	"B" oxide	Brown	20-30	Sand	0
606876	19	622474	6411632	0	low	Gentle Falling	Open forest		Damp	Transported	"B" oxide	Orange	10-20	Sand	0
606894	19	622397	6411306	0	low	Steep Rising	Open forest		Dry	Transported	"B" oxide	Orange	0-10	Sand	0
606845	19	622337	6411239	0	low	Level	Open forest		Damp	Transported	"B" oxide	Brown	10-20	Clay	0
606844	19	622261	6411170	0	moderate	Gentle Falling		Barren	Moist	Transported	"B" oxide	Brown	0-10	Sand	0
606865	19	622203	6411115	0	moderate	Gentle Falling		Barren	Dry	Transported	"B" oxide	Orange	10-20	Sand	0
606858	19	622121	6411062	0	flat	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
606874	19	617722	6424982	1					Dry		"B" oxide	Brown	0-10	Sand	0

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
601674	Clay	0	0	0	0	0	D1-1-2-0, red brown	
601619	Clay	0	0	0	0	0	D1-1-1-500, medium brown.	
601628	Clay	0	0	0	0	0	D1-1-1-400, Medium brown. Up gentle slope from small lake	
601684	Clay	0	0	0	0	0	D1-1-1-300, medium brown. Edge of small lake.	
601676	Clay	0	0	0	0	0	D1-1-1-200, medium brown. Just edge of sWamp.	
601651	Clay	0	0	0	0	0	D1-1-1-100, red Brown	
601672	Clay	0	0	0	0	0	d1-1-1-0, red-brn	
606892	Clay	0	0	0	0	0	c3-1-1-1300, orange brn	
606847	Clay	0	0	0	0	0	c3-1-1-1200', orange-red Brn	
606877	Clay	0	0	0	0	0	C3-1-2-1200, orange brown	
606866	Clay	0	0	0	0	0	C3-1-2-1100, yellow orange	
606885	Clay	0	0	0	0	0	C3-1-2-1000, red brown	
606890	Clay	0	0	0	0	0	c3-1-2-900, orange-brn	
606888	Clay	0	0	0	0	0	c3-1-2-800, orange-brn	
606898	Clay	0	0	0	0	0	c3-1-2-700, orange-red brn	
606846	Clay	0	0	0	0	0		
606869	Clay	0	0	0	0	0	C3-1-2-600, red brown	
606876	Clay	0	0	0	0	0	C3-1-2-500, orange brown	
606894	Clay	0	0	0	0	0	C3-1-2-400, medium orange brown	
606845	Sand	0	0	0	0	0	C3-1-2-300, medium brown	
606844	Clay	0	0	0	0	0	C3-1-2-200, medium brown	
606865	Clay	0	0	0	0	0	C3-1-2-100	
606858	Clay	0	0	0	0	0	c1-3-2-0 eol, med brn	
606874	Clay	0	0	0	0	0	c2-1-2-1400, dup of 606874, med brn	

Sample No	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
606874	19	617725	6424982	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
606857	19	617765	6425015	0	flat	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
606873	19	617814	6425063	0	flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Sand	0
606900	19	618238	6425456	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
606872	19	617968	6425188	0	flat	Gentle Falling	Open forest		Dry	Transported	"B" oxide	Brown	0-10	Sand	0
606879	19	618021	6425246	1	low	Gentle Falling	Open forest		Dry	Residual	"B" oxide	Orange	10-20	Sand	0
606891	19	618020	6425244	0	low	Gentle Falling	Open forest		Dry	Residual	"B" oxide	Orange	10-20	Sand	0
606848	19	618080	6425308	0	flat	Level	Open forest		Dry	Residual	"B" oxide	Orange	0-10	Sand	0
606867	19	618127	6425382	0	flat	Gentle Rising	Open forest		Moist	Residual	"B" oxide	Brown	10-20	Sand	0
606843	19	618295	6425494	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
606861	19	618347	6425557	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
606895	19	618409	6425632	0					Dry		"B" oxide	Brown	10-20	Sand	0
606855	19	618480	6425687	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
606896	19	618548	6425745	0	low	Level	Swamp		Dry		"B" oxide	Brown	10-20	Clay	0
606875	19	618352	6425846	0	flat	Level	Open forest		Dry	Transported	"B" oxide	Orange	20-30	Sand	0
606860	19	618289	6425794	0	flat	Gentle Rising	Open forest		Damp	Transported	"B" oxide	Brown	10-20	Sand	0
606887	19	618186	6425648	0	flat	Level	Open forest		Dry	Transported	"B" oxide	Orange	10-20	Sand	0
606864	19	618119	6425585	0	flat	Gentle Falling	Open forest		Damp	Residual	"B" oxide	Brown	10-20	Sand	0
606885	19	618023	6425511	0	flat	Level	Open forest		Dry	Transported	"B" oxide	Orange	10-20	Sand	0
606883	19	617538	6424972	0	flat	Level	Open forest		Dry	Transported	"B" oxide	Orange	10-20	Sand	0
606871	19	617890	6425358	0	low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
606882	19	617810	6425306	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	20-30	Sand	0
606893	19	617781	6425266	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
606874	Clay	0	0	0	0	0	c2-1-2-1400,duplicate 606874	
606857	Clay	0	0	0	0	0	c2-1-2-1300,med brn	
606873	Clay	0	0	0	0	0	c2-1-2,1200,med Brn	
606900	Clay	0	0	0	0	0	c2-1-2-1100, orange-brn	
606872	Clay	0	0	0	0	0	C2-1-2-1000, medium brown	
606879	Clay	0	0	0	0	0	C2-1-2-900, medium orange brown, duplicate	
606891	Clay	0	0	0	0	0	C2-1-2-900, medium orange brown	
606848	Clay	0	0	0	0	0	C2-1-2-800, orange brown	
606867	Clay	0	0	0	0	0	C2-1-2-700, red brown	
606843	Clay	0	0	0	0	0	c2-1-2-500, med brn	
606861	Clay	0	0	0	0	0	c2-1-2-400, med brn	
606895	Clay	0	0	0	0	0	c2-1-2-300, med brn	
606855	Clay	0	0	0	0	0	c2-1-2-200, dp red-brn	
606896	Sand	0	0	0	0	0	c-2-1-2-0,eol to ne,med-dk brn	
606875	Clay	0	0	0	0	0	C2-1-1-1700	
606860	Clay	0	0	0	0	0	C2-1-1-1600, red brown	next to swamp
606887	Clay	0	0	0	0	0	C2-1-1-1400, orange brown, 5cm layer	
606864	Clay	0	0	0	0	0	C2-1-1-1300, medium brown	
606885	Clay	0	0	0	0	0	C2-1-1-1200, orange brown	
606883	Clay	0	0	0	0	0	C2-1-1-1100, orange brown	
606871	Clay	0	0	0	0	0	c2-1-1-1000, med Brn	
606882	Clay	0	0	0	0	0	c-2-1-1-900, orange brn	
606893	Clay	0	0	0	0	0	c2-1-1-800, med Brn	

Sample No.	Zone	Easting	Northing	Dug	Topo-Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
606881	19	617687	6425187	0	flat	Level	Open forest	Open Forest	Damp	Transported	"B" oxide	Brown	0-10	Sand	0
606870	19	617640	6425110	0	low	Level	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
606854	19	617591	6425029	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
600233	19	636204	6293096	0	low	Level	Swamp		Damp		"B" oxide	Brown	10-20	Sand	0
600257	19	636112	6293093	0	flat	Level	Swamp		Saturated		"B" oxide	Brown	20-30	Sand	0
600300	19	636030	6293102	0	flat	Level	Swamp		Dry		"B" oxide	Brown	10-20	Sand	0
600207	19	653433	6301643	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
609659	19	650216	6332273	0	Low	Gentle Falling	Open Forest		Dry		"B" oxide	Brown	10-20	Sand	
609609	19	650498	6332504	0	Low	Gentle Rising	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
609797	19	635856	6293054	0					Dry		"B" oxide	Orange	0-10	Sand	0
609790	19	635749	6293052	1					Damp		"B" oxide	red brown	0-10	Sand	0
609799	19	635749	6293052	1					Damp		"B" oxide	red brown	0-10	Sand	0
609733	19	635653	6293056	0					Dry		"B" oxide	red brown	0-10	Sand	0
609714	19	633849	6296997	0					Dry		"B" oxide	Brown	0-10	Sand	0
609710	19	633639	6296998	0					Saturated		Gley	brn gray		Sand	0
609767	19	633546	6297001	0					Moist		"B" oxide	red brown	0-10	Sand	0
609657	19	650031	6332751	0	Flat	Level	Open Forest		Dry		"B" oxide	Brown	10-20	Sand	
609673	19	650021	6333000	0	Low	Gentle Rising	Open Forest		Dry		"B" oxide	Orange	10-20	Clay	
609612	19	649999	6333249	0	Low	Gentle Rising	Open Forest		Dry		"B" oxide	Orange	10-20	Clay	
609644	19	649998	6333505	0	Flat	Level	Open Forest		Dry		"B" oxide	Red	10-20	Sand	
609620	19	649995	6333752	0	Low	Gentle Rising	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
609686	19	649994	6334004	0	Flat	Level	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
609621	19	649493	6333988	0	Flat	Level	Open Forest		Dry		"B" oxide	Orange	10-20	Clay	
609613	19	649505	6333737	0	Low	Gentle Falling	Open Forest		Dry		"B" oxide	Brown	0-10	Clay	
609685	19	649537	6333515	0	Moderate	Rising	Open Forest		Dry		"B" oxide	Brown	0-10	Clay	
609605	19	649488	6332995	0	Low	Gentle Falling	Open Forest		Dry		"B" oxide	Brown	10-20	Sand	

Sample No.	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
606881	Clay	0	0	0	0	0	c2-1-1-700, med brn	
606870	Clay	0	0	0	0	0	c2-1-1-600, orange-brn	
606854	Gravel	0	0	0	0	0	c2-1-1-500, med Brn	
600233	Clay	0	0	0	0	0		
600257	Clay	0	0	0	0	0	g20-11-100, med brn	
600300	Clay	0	0	0	0	0	g20-11-0, eol, med brn	
600207		0	0	0	0	0	g13-3-2-200, med brn	
609659	Clay						p2-2250, brown to red brown soil, brown to black humus	
609609	Sand						p2-2500, red yellow brown soil, brown black humus	
609797		0	0	0	0	0		
609790		0	0	0	0	0		duplicate of 609799
609799		0	0	0	0	0		duplicate of 609790
609733		0	0	0	0	0		
609714	Clay	0	0	0	0	0		E end of line 5
609710		0	0	0	0	0		
609767		0	0	0	0	0		
609657	Clay						p2-2750, medium brown soil, poor brown humus, ph=7.0	
609673	Sand						p2-3000, orange soil, good black humus,	
609612	Sand						p2-3250, orange soil, black humus, boulder field	
609644	Clay						p2-3500, deep red, black humus, ph=6.9	
609620	Sand						p2-3750, red brown soil, black brown humus	
609686	Sand						p2-4000, brown to red brown soil, black brown humus	
609621	Sand						p2-grid, orange soil, poor brown humus, boulder field	
609613	Sand						p2-grid, medium brown soil, brown humus, boulder field by lake side	
609685	Sand						p2-grid, medium brown soil, brown humus	
609605	Clay						p2-grid, medium brown soil, black humus	

Sample No	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
602171	19	649488	6332995	1	Low	Gentle Falling	Open Forest		Dry		"B" oxide	Brown	10-20	Sand	
602185	19	649499	6332502	0	Low	Gentle Rising	Open Forest		Moist		"B" oxide	Brown	20-30	Clay	
602200	19	650001	6332579	0	Low	Gentle Rising	Open Forest		Dry		"B" oxide	Brown	10-15	Sand	
602149	19	649944	6332251	0	Moderate	Steep Rising	Open Forest		Dry		"B" oxide	Brown	10-20	Sand	
602131	19	649501	6332066	0	Low	Gently Falling	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
602115	19	649489	6331683	0	Moderate	Steep Rising	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
602181	19	649506	6331007	0	Low	Gentle Falling	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
609632	19	667004	6314001	0	Low	Gentle Falling	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
609675	19	667062	6314055	0	Low	Gentle Rising	Open Forest		Dry		"B" oxide	Brown	10-20	Clay	
609606	19	667123	6314116	0	Low	Gentle Rising	Open Forest		Moist		"B" oxide	Brown	10-20	Clay	
609655	19	667181	6314181	0	Flat	Level	Grassland		Dry		"B" oxide	Brown	20-30	Clay	
609607	19	667247	6314255	0	Flat	Level	Grassland		Moist		"B" oxide	Brown	10-20	Clay	
609614	19	667309	6314310	0	Moderate	Steep Falling	Open Forest		Moist		"B" oxide	Brown	10-20	Gley	
602102	19	660184	6321000	0	low		Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602173	19	660105	6320927	0	flat		Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602139	19	660053	6320880	0	low		Open forest		Dry		"B" oxide	Brown		Clay	0
602182	19	659994	6320816	0	flat		Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602154	19	659940	6320756	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
602187	19	659866	6320714	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Cream	0-10	Clay	0
602138	19	659811	6320662	0	low	Gentle Rising	Open forest		Dry		"B" oxide		10-20	Clay	0
602172	19	659755	6320599	0	flat	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602180	19	659706	6320503	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
602171	Clay						p2-grid, medium brown soil, black humus, duplicate of 609605	
602185	Sand						p2-grid, red brown soil, black humus	
602200	Clay						p2-2450, medium brown soil, black well developed humus	
602149	Clay						p2-2250, red brown soil, brown black humus	
602131	Sand						p2-grid, medium brown, soil, poor brown humus	
602115	Sand						p2-grid, medium brown soil, poor brown humus	
602181	Sand						p2-grid, medium brown soil, good black humus	
609632	Sand						A14-1-000, nice red brown soil, brown black humus	
609675	Sand						A14-1-100, medium brown soil, medium brown black humus	
609606	Sand						A14-1-200, medium brown to tan soil, good brown black humus	
609655	Sand						A14-1-300, brown to red brown soil, brown black humus	
609607							A14-1-400, gray brown partial gley soil, black good humus	
609614	Sand						A14-1-500, gray gley, brown red soil, brown red humus	
602102	Sand	0		0			0 a81-3-1000, deep red Br, humus blk	
602173	Sand	0		0			0 a81-3-0900, soil sandy, med brn, humus brn-blk	
602139	Sand	0		0			0 a813-800, deep red brn, humus blk	
602182	Sand	0		0			a81-3-0700, 0 1-3-700, orae, blk humus	
602154	Sand	0		0			0 a81-3-0600, red brn, hu us brn blk	
602187	Sand	0		0			0 a81-3-0500, soil red-brn, humus brn-blk	
602138	Sand	0		0			0 a81-3-0400 soil red-brn, humus brn-blk	
602172	Sand	0		0			0 a81-3-0300, red-brn, humus brn-blk	
602180	Sand	0		0			0 a81-3-0200 soil red-brn, humus blk	

SampleNo	Zone	Easting	Northing	Dup	Topo_Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil_Type	Soil Color	Compaction	Sample Comp1	%
602119	19	659655	6320460	0	low	Level	Open forest		Moist		"B" oxide	Brown	20-30	Clay	0
602177	19	659591	6320401	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602186	19	659420	6320581	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602167	19	659478	6320659	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602152	19	659564	6320748	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602179	19	659612	6320801	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602123	19	659677	6320867	0	flat		Open forest								0
602146	19	659745	6320931	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602191	19	659803	6320999	0	low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602141	19	659875	6321079	0	flat		Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602137	19	659937	6321139	0	low	Gentle Falling	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
602162	19	659997	6321212	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602101	19	660069	6321270	0	flat		Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602136	19	660131	6321336	0	flat		Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602178	19	660201	6321403	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602134	19	659491	6321746	0	low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
602195	19	659423	6321676	0					Dry		"B" oxide	Brown	10-20	Clay	0
600292	19	653510	6301655	0	low	Level	Swamp		Moist		"B" oxide	Brown	10-20	Sand	0
600268	19	653590	6301678	0	flat	Level	Open forest		Dry	Transported	"B" oxide	Brown	0-10	Clay	0
600298	19	653706	6301658	0	low	Level	Open forest		Damp		"B" oxide	Brown	0-10	Clay	0
600205	19	653800	6301655	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
600280	19	654016	6301668	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	20-30	Sand	0
600284	19	654104	6301650	0	flat	Gentle Falling	Open forest		Dry		"B" oxide	Brown	20-30	Sand	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
602119	Sand	0		0		0	a81-3-0100, soil med brn, humus brn-blk	
602177	Sand	0		0		0	a81-3-0000, soil red-brn, humus brn, blk	
602186	Sand	0		0		0	a81-2-0000, eol, soil med brn, humus brn-blk	
602167	Sand	0		0		0	a81-2-0100, soil red-brn, humus blk	
602152	Sand	0		0		0	a81-2-0200, soil red brn, humus Brn-blk	
602179	Sand	0		0		0	a81-2-0300, soil brn, humus Brn-blk	
602123		0		0		0	a81-2-0500, soil red-brn, humus brn-blk	
602146	Sand	0		0		0	a81-2-0500, soil red-brn, humus brn-blk	
602191	Sand	0		0		0	a81-2-0600, s>il red-brn, humus brn-blk	
602141	Sand	0		0		0	a81-2-0700, soil rCd-brn, humus black	
602137	Sand	0		0		0	a81-2-0800, soil Med red-brn, humus brn	
602162	Sand	0		0		0	a81-2-0900, soil med-red, humus brn-blk	
602101	Sand	0		0		0	a81-2-1000, soil med brn, h mus, brn blk	
602136	Sand	0		0		0	a81-2-1100, soil med brn, humus brn blk	
602178	Sand	0		0		0	a81-line2, eol on ne, line n45e, station 1200m, soil med brn humus brn-blk	
602134	Sand	0		0		0	soil med Brn, hu us brn blk	
602195	Sand	0		0		0	soil med red brn, humus blk	
600292	Clay	0		0		0	g13-3-2-300, med brn	
600268	Sand	0		0		0	g13-3-2-400, orange	
600298	Sand	0		0		0	g13-3-2-500, red brn	
600205	Sand	0		0		0	g13-3-2-600, dEep red brn	
600280	Clay	0		0		0	g13-3-2-800, med Brn	
600284	Clay	0		0		0	g13-3-2-900, med brn	

Sample No.	Zone	Easting	Northing	Dup	Topo. Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp.	%
600216	19	654212	6301659	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	20-30	Sand	0
600294	19	654391	6301650	0	low	Gentle Falling	Open forest		Moist	Transported	"B" oxide	Brown	30-40	Clay	0
600269	19	654375	6301890	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600232	19	654258	6301898	0	low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
600291	19	654169	6301895	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
600220	19	654045	6301862	0	flat	Level	Open forest		Moist		"B" oxide	Brown	20-30	Clay	0
600288	19	653970	6301910	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600260	19	653851	6301868	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	20-30	Clay	0
600259	19	653752	6301895	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	20-30	Sand	0
600215	19	653651	6301883	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
600289	19	653560	6301906	1	low	Level	Open forest		Dry		"B" oxide	Brown	10-20		0
600204	19	653560	6301908	1	low	Level	Open forest		Dry	Transported	"B" oxide	Brown	10-20	Clay	0
600283	19	653457	6301895	0	low	Gentle Rising	Rainforest		Damp		"B" oxide	Brown	0-10	Sand	0
600274	19	653361	6301882	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	20-30	Sand	0
600275	19	653264	6301913	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	20-30	Clay	0
600264	19	653188	6301942	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600273	19	663200	6318617	1	low	Gentle Falling	Open forest		Saturated		"B" oxide	Brown	20-30	Clay	0
600225	19	663200	6318594	0	flat	Gentle Falling	Open forest		Saturated		"B" oxide	Brown	20-30	Clay	0
600224	19	663111	6318595	0	low	Gentle Falling	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
600223	19	662999	6318608	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
600248	19	662904	6318603	0	low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
600202	19	662813	6318600	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
600216	Clay	0	0	0	0	0	g13-3-2-1000, med brn sandy	
600294	Sand	0	0	0	0	0	g13-3-2-1200,eol,med Brn	
600269	Sand	0	0	0	0	0	g13-3-1-1200, orange	
600232	Clay	0	0	0	0	0	g13-3-1-1100, orange	
600291	Sand	0	0	0	0	0	g13-3-1-1000, red-brn	
600220	Sand	0	0	0	0	0	g13-3-1-900, red-brn	
600288		0	0	0	0	0	g13-3-1-800, med brn	
600260	Sand	0	0	0	0	0	g13-3-1-700, dk red-brn	
600259	Clay	0	0	0	0	0	g13-3-1-600, red-brn	
600215	Clay	0	0	0	0	0	g13-3-1-500, med orange brn	
600289	Sand	0	0	0	0	0	g13-3-1-400,dup of 600204, deep red brn	
600204	Sand	0	0	0	0	0	g13-3-1-400, dup 600289, deep red Brn	
600283	Clay	0	0	0	0	0	g13-3-1-300, orange-med Brn	
600274	Clay	0	0	0	0	0	g13-3-1-200, orange	
600275	Sand	0	0	0	0	0	g13-3-1-100, brn - grey	
600264	Sand	0	0	0	0	0	g13-3-1-0, yellow-brn	
600273		0	0	0	0	0	a82-1-700, dupl of 600225, deep red-brn	
600225	Sand	0	0	0	0	0	a82-1-700,eol, dup 600273, deep red Brn	
600224	Sand	0	0	0	0	0	a82-1-600, deep red-brn	
600223	Clay	0	0	0	0	0	a8-2-1-500, med brn	
600248	Clay	0	0	0	0	0	a82-1-400, med red-brn	
600202	Clay	0	0	0	0	0	a82-1-300, orange-brn	

SampleNo	Zone	Easting	Northing	Dup	Topo_Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil_Type	Soil Color	Compaction	Sample Comp1	%
609717	19	633450	6297005	0					Dry		"B" oxide	red brown	10-20	Sand	0
600271	19	662719	6318597	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600219	19	662605	6318600	0	low	Level	Open forest		Dry		"B" oxide	Brown	20-30	Clay	0
600263	19	662514	6318600	0	flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Sand	0
608342	19	561200	6440398	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	70
608350	19	561701	6440400	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	60
608354	19	564156	6440397	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	60
608351	19	561800	6440400	1											0
608343	19	560290	6441600	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	30
608338	19	560388	6441600	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70
608353	19	562402	6440402	0	flat	Level	Grassland	Barren	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40
608345	19	561601	6440404	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70
608356	19	561914	6440400	0	low	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	30
608332	19	561583	6441605	0	flat	Level	Open forest	Open Forest	Damp		"B" oxide	Orange	10-20	Gravel	70
608337	19	560203	6441603	1	moderate	Gentle Falling	Open forest	Open Forest	Molst	Residual	"B" oxide	Brown	10-20	Gravel	60
608355	19	562300	6440438	0	low	Level	Grassland	Barren	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40
608335	19	560705	6441596	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	60
608340	19	560203	6441603	1											0
608341	19	561003	6440398	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	70
608348	19	561509	6440400	0	moderate	Crest	Grassland	Grassland	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70
608347	19	561319	6440400	0	low	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	50
608346	19	561800	6440400	1	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70
608349	19	561100	6440400	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	70
608339	19	560600	6441600	0	high	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	70

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
609717		0		0		0		
600271	Sand	0		0		0	a8-2-1-200, orange	
600219	Sand	0		0		0	a82-1-100, red Brn	
600263	Clay	0		0		0	a82-1-0, orange	
608342	Sand	30		0		0	dk orange brn	
608350	Sand	40		0		0	dk orange brn	
608354	Sand	40		0		0	orange brn	
608351		0		0		0	duplicate to 608346	
608343	Sand	70		0		0	orange brown	
608338	Sand	30		0		0	dk orange brown	
608353	Sand	0		0		0	orange brn near granitic gneiss	
608345	Sand	30		0		0	dk orange brn weathered gabbro	
608356	Sand	70		0		0	near Libby's gossan	
608332	Sand	30		0		0	dark orange brown dk orange brn to brn	
608337	Sand	40		0		0	duplicate to 608340	
608355	Sand	60		0		0	orange brn	
608335	Sand	40		0		0	dark orange brn	
608340		0		0		0	duplicate to 608337	
608341	Sand	30		0		0	dk orange brn	
608348	Sand	30		0		0	orange brn mainly weathered gabbro	
608347	Sand	50		0		0	dk orange brn	
608346	Sand	30		0		0	dk orange brn weathered gabbro	
608349	Sand	30		0		0	dk orange brn	
608339	Sand	30		0		0	dark orange brn	

SampleNo	Zone	Easting	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
608352	19	562000	6440400	0		low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	45
608336	19	560500	6441600	0		moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	70
608344	19	561400	6440400	0		moderate	Gentle Rising	Open forest	Open Forest	Damp		"B" oxide	Orange	10-20	Gravel	75
608309	19	562911	6443982	1		low	Level	Open forest	Open Forest	Moist	Residual	"B" oxide	Brown	10-20	Gravel	70
608314	19	562910	6443982	1						Moist	Residual	"B" oxide	Brown	10-20	Gravel	70
600356	19	642879	6394930	1		flat	Gentle Rising			Damp		"B" oxide	Brown	10-20	Sand	0
609304	19	622712	6405094	1		low	Gentle Rising	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
608321	19	563997	6443404	1		moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Red	10-20	Gravel	65
600376	19	636506	6401535	1		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
608319	19	563998	6443405	1		moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Red	10-20	Gravel	65
609739	19	633348	6297016	0						Dry		"B" oxide	Brown	0-10	Sand	0
609795	19	633130	6296988	0						Moist		"B" oxide	red brown	0-10	Sand	0
609706	19	633063	6296995	0						Moist		"B" oxide	red brown		Sand	0
609774	19	632448	6297276	0						Moist		"B" oxide	Brown	10-20	Sand	0
609100	19	635251	6292830	0						Dry		"B" oxide	Orange	0-10	Sand	0
609358	19	671489	6301182	0		flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
609316	19	671397	6301189	0		low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609367	19	671121	6301201	0		flat	Gentle Rising	Open forest		Saturated		"B" oxide	Brown	10-20	Clay	0
609316	19	671206	6301196	0		low	Level	Open forest		Saturated		"B" oxide	Brown	10-20	Clay	0
609349	19	671021	6301195	0		low	Level	Open forest		Saturated		Gley	Grey	0-10	Sand	0
609771	19	635349	6292829	0						Dry		"B" oxide	lt. brown	0-10	Sand	0
609731	19	635443	6292829	0								"B" oxide	Brown	0-10	Sand	0
609753	19	635547	6292833	0						Dry		"B" oxide	Brown	0-10	Sand	0
609775	19	632695	6297356	0						Damp		"B" oxide	Brown	0-10	Sand	0
609365	19	670904	6301211	0		flat	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
609309	19	670806	6301208	0		flat	Gentle Rising	Open forest		Moist		"B" oxide	Brown	20-30	Clay	0
609345	19	671300	6301212	0		low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
608311	19	563003	6444000	0		flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608352	Sand	55		0		0	dk orange brn south of gossan	
608336	Sand	30		0		0	dark orange brn	
608344	Sand	25		0		0	dk orange brn duplicate to 608314	
608309	Sand	30		0		0	reddish brn consisting of gneissic material	
608314	Sand	30		0		0	duplicate to 608309	
600356	Clay	0		0		0	e3-1-800, dup 609312, orange	
609304	Sand	0		0		0	j1-3-2-900, dup 600277, orange dk red brown	
608321	Sand	35		0		0	duplicate 608319	
600376	Sand	0		0		0	10-1-600, dup 600249, red Brn dk red brown	
608319	Sand	35		0		0	dup-608321	
609739		0		0		0		
609795		0		0		0		
609706		0		0		0		
609774		0		0		0		
609100	Clay	0		0		0		
609358	Clay	0		0		0	g28-1-700, red brn	
609316	Sand	0		0		0	g28-1-600, red Brn	
609367	Sand	0		0		0	g28-1-300, med brn-grey	
609316	Sand	0		0		0	g28-1-400, med brn	
609349	Clay	0		0		0	g28-1-200, brn-grey	
609771	Clay	0		0		0		
609731	Clay	0		0		0		
609753	Clay	0		0		0		
609775		0		0		0		E end of break in line 5
609365	Clay	0		0		0	g28-1-100, med brn	
609309	Sand	0		0		0	g28-1-0, med brn	
609345	Sand	0		0		0	g28-2-500, red	
608311	Sand	30		0		0	orange brn with gneissic pebbles	

Sample No	Zone	Eastings	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Provenience	Soil Type	Soil Color	Compaction	Sample Comp	%
608327	19	562897	6443398	0		flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70
608324	19	562990	6443404	0		flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	10-20	Gravel	70
608326	19	563705	6443391	0		flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	60
609773	19	632601	6297307	0						Moist		"B" oxide	Brown	10-20	Sand	0
608322	19	563802	6443397	0		moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	60
608325	19	563895	6443399	0		moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70
608318	19	564100	6443400	0		moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	60
608317	19	564196	6443397	0		moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	50
608320	19	564996	6444010	0		moderate	Crest	Open forest	Saltbush	Damp	Indeterminate	Alluvial	Grey	0-10	loam	65
608316	19	564806	6443996	0		flat	Gentle Falling	Open forest	Open Forest	Moist	Residual	"B" oxide	Orange	20-30	Sand	60
608310	19	564700	6443999	0		moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	10-20	Gravel	70
608312	19	564300	6443998	0		flat	Level	Open forest	Open Forest	Damp	Residual		Brown	10-20	Gravel	70
608307	19	562800	6443994	0		low	Gentle Rising	Open forest	Open Forest	Saturated	Residual	Till	Brown	20-30	Gravel	40
608313	19	639618	6296036	0		flat	Level	Open forest	Open Forest	Damp	Transported	Alluvial	Brown	20-30	Gravel	20
608304	19	639706	6296043	0		flat	Level	Paddy field	Open Forest	Saturated	Residual	Till	Brown	30-40	Gravel	40
608308	19	640354	6296015	0		flat	Level	Open forest	Open Forest	Saturated		Alluvial	Brown	20-30	Gravel	30
608303	19	640606	6296040	0		flat	Level	Open forest	Open Forest	Saturated	Residual	Alluvial	Brown	20-30	Sand	60
608306	19	640839	6296059	0		flat	Level	Open forest	Open Forest	Saturated		Till	Brown	30-40	Gravel	40
608302	19	640909	6296134	0		low	Level	Open forest	Open Forest	Saturated	Residual	Till	Brown	40-50	Gravel	30
608305	19	640538	6296195	0		flat	Level	Open forest	Open Forest	Saturated	Residual		Brown		Gravel	40
608301	19	640409	6296160	0		flat	Level	Open forest	Open Forest	Saturated	Residual	Till	Brown	30-40	Sand	70
608315	19	564602	6443993	0		flat	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	70

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608327	Sand	30		0		0	orange brn	
608324	Sand	30		0		0	dark red brown	
608326	Sand	40		0		0	dk orange brn	
609773		0		0		0		
608322	Sand	40		0		0	orange brown	
608325	Sand	30		0		0	orange brown	
608318	Sand	40		0		0	orange brn	
608317	Sand	5		0		0	orange brn	
608320	Sand	35		0		0	grey brn to brown mud boil	
608316	Loam	40		0		0	orange brn with 20% mica	
608310	Sand	30		0		0	dk red brown	
608312	Sand	30		0		0	dk red brn- rounded gneissic pebbles	
608307	Sand	60		0		0	med brn with 10% mica	gr gneiss o/c nearby
608313	Sand	70	Loam	10		0	lt brn poorly sorted	
608304	Sand	50	Organic s	10		0	dk brn	
608308	Sand	60	Loam	10		0	med brn	
608303	Gravel	30	Loam	10		0	med brn	
608306	Sand	50	Organic s	10		0	dk brn poor sample minor humus	
608302	Sand	70		0		0	lt to med brn	
608305	Sand	50	Loam	10		0	dk brn	
608301	Organics	10	Clay	20		0	dk brn very wet	
608315	Sand	30		0		0	orange brown	

SampleNo	Zone	Eastings	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
609323	19	642674	6394686	0		flat	Level			Damp		"B" oxide	Brown	10-20	Clay	0
600239	19	619646	6404285	0		flat	Level	Open forest		Dry		"B" oxide	Brown	0-10	Clay	0
600359	19	619574	6404224	0		flat	Gentle Rising	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
600370	19	619508	6404152	0		low	Level	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
600358	19	619408	6404046	0		flat	Level	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
609343	19	621152	6405266	0		flat	Level	Open forest		Dry		"B" oxide	Brown	20-30	Clay	0
609326	19	621117	6405176	0		flat	Gentle Rising	Open forest		Dry		"B" oxide	Brown	20-30	Sand	0
609314	19	621042	6405114	0		flat	Level	Swamp		Moist		"B" oxide	Brown	20-30	Sand	0
609310	19	620969	6405000	0		flat	Gentle Rising	Open forest		Dry		"B" oxide	Brown	20-30	Sand	0
609336	19	620907	6404925	0		flat	Gentle Rising	Open forest		Dry		"B" oxide	Brown	20-30	Sand	0
609302	19	620846	6404845	0		flat	Gentle Rising	Open forest		Dry		"B" oxide	Brown	20-30		0
609312	19	642879	6394927	0		flat	Gentle Rising			Damp		"B" oxide	Brown	10-20	Clay	0
609321	19	642747	6394753	0		flat	Level			Saturated		"B" oxide	Brown	10-20	Clay	0
609325	19	619833	6404491	0		flat	Gentle Rising	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
609311	19	642603	6394617	0		flat	Level			Damp		"B" oxide	Brown	10-20	Sand	0
609340	19	642537	6394546	0		flat	Level			Moist		"B" oxide	Brown	10-20	Sand	0
609334	19	642470	6394476	0		flat	Level			Dry		"B" oxide	Brown	10-20	Clay	0
609301	19	642435	6394414	0		flat	Level			Damp		"B" oxide	Brown	10-20	Clay	0
609348	19	642344	6394338	0		flat	Level			Dry		"B" oxide	Brown	10-20	Sand	0
600249	19	636506	6401536	0		flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600343	19	636408	6401559	0		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Sand	0
600331	19	636317	6401547	0		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Sand	0
600247	19	636198	6401617	0		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
609324	19	636102	6401634	0		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
600290	19	636003	6401612	0		low	Level	Grassland		Dry		"B" oxide	Brown	0-10	Clay	0
609366	19	642802	6394868	0		flat	Level	Swamp		Moist		"B" oxide	Brown	10-20	Sand	0
600282	19	622524	6404874	0		low	Gentle Rising	Grassland		Damp	Transported	"B" oxide	Brown	10-20	Clay	0
608323	19	562800	6443406	0		low	Gentle Falling	Open forest	Open Forest	Moist	Residual	"B" oxide	Orange	10-20	Gravel	70
	19	635903	6401665	0		low	Level	Grassland		Dry		"B" oxide	Brown	0-10	Clay	0
609342	19	622841	6405283	0		low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
609323	Sand	0		0			0 e3-1-500, mottled deep red brn - med brn	
600239	Sand	0		0			0 j8-1-300, orange	
600359	Sand	0		0			0 j8-1-200, dEep red Brn	
600370	Sand	0		0			0 j8-1-100, dEep red brn	
600358	Sand	0		0			0 j8-1-0, deep red brn	
609343	Sand	0		0			0 j1-3-500, deep red brn	
609326	Clay	0		0			0 j1-3-400, dEep red brn - soils on this traverse very sandy - not esker	
609314	Clay	0		0			0 j1-3-300, deep red brn	
609310	Clay	0		0			0 j1-3-200, red brn	
609336	Clay	0		0			0 j1-3-100, red brn	
609302	Sand	0		0			0 j1-3-0	
609312	Sand	0		0			0 e3-1-800, dup 600356, orange	
609321	Sand	0		0			0 e3-1-600, med brn	
609325	Sand	0		0			0 j8-1-600, deep red brn	
609311	Clay	0		0			0 e3-1-400, red brn	
609340	Clay	0		0			0 e3-1-300, red Brn	
609334	Sand	0		0			0 e3-1-200, red Brn	
609301	Sand	0		0			0 e3-1-100, red brn	
609348	Clay	0		0			0 e3-1-0, med red-brn	
600249	Sand	0		0			0 j10-1-600, dup of 600376, red Brn	
600343	Clay	0		0			0 j10-1-500, orange	
600331	Clay	0		0			0 j10-1-400, orange-red Brn	
600247	Sand	0		0			0 j10-1-300, orange	
609324	Sand	0		0			0 j10-1-200, orange	
600290	Sand	0		0			0 j10-1-100, orange	
609366	Clay	0		0			0 e3-1-700, med brn	
600282	Sand	0		0			0 j1-3-2-600, orange	
608323	Sand	30		0			0 dk orange brn	
	Sand	0		0			0 j10-1-0, orange	
609342	Sand	0		0			0 j-1-3-2, 1100, orange	

Sample No	Zone	Eastings	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Provenience	Soil Type	Soil Color	Compaction	Sample Comp	%
600286	19	622796	6405204	0		flat	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600295	19	619713	6404362	0		flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600242	19	622590	6404959	0		low	Gentle Rising	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
600285	19	619768	6404433	0		flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
600279	19	622459	6404807	0		low	Gentle Rising	Grassland		Dry		"B" oxide	Brown	20-30	Clay	0
600272	19	622398	6404733	0		low	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
600287	19	622336	6404656	0		flat	Gentle Rising	Grassland		Dry		"B" oxide	Brown	20-30	Sand	0
600266	19	622274	6404596	0		low	Gentle Rising	Grassland		Dry		"B" oxide	Brown	0-10	Sand	0
600267	19	622215	6404519	0		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Sand	0
600297	19	622150	6404438	0		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Gravel	0
600241	19	620071	6404775	0		flat	Gentle Falling	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
600240	19	620017	6404702	0		low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609313	19	620017	6404704	0		low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
600296	19	619955	6404633	0		low	Gentle Falling	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
609303	19	619892	6404567	0		flat	Level	Open forest		Damp	Transported	"B" oxide	Brown	10-20	Clay	0
600281	19	622651	6405021	0		flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
608367	19	660695	6293751	0		gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	30
608372	19	660602	6293769	1		gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	20
608369	19	660602	6293769	1		gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	20
608375	19	660493	6293758	0		gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	40
608374	19	660400	6293744	0		gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	40
608377	19	660293	6293750	0		flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608373	19	660005	6293747	0		flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	65
608357	19	661999	6393753	0		gently falling	moderate	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	70
608361	19	661905	6393765	0		gently falling	moderate	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	30

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
600286	Sand	0		0			0j1-3-2-1000,red brn	
600295	Sand	0		0			0j8-1-400,orange	
600242	Sand	0		0			0j1-3-2-700, orange	
600285	Sand	0		0			0j8-1-500, med Brn	
600279	Sand	0		0			0j1-3-2-500,red brn	
600272	Sand	0		0			0j1-3-2-400,orange	
600287	Clay	0		0			0j1-3-2-300, orange , sand dune /esker possible t rough these first sites.	
600266	Clay	0		0			0j1-3-2-200, med brn	
600267	Clay	0		0			0j1-3-2-100, red Brn	
600297	Sand	0		0			0j1-3-2-0, Med bm	
600241	Clay	0		0			0a8-1-1000,red brn	
600240	Sand	0		0			0j8-1-900, dup of 609313, red Brn	
609313	Sand	0		0			0j8-1-900, dup 600240, red-brn	
600296	Sand	0		0			0j8-1-800, deep red brn	
609303	Sand	0		0			0j8-1-700, red brn	
600281	Sand	0		0			0j1-3-2-800,red brn	
608367	Sand	70	Loam	0			orange brown in colour dup 608372	
608372	Sand	60	Loam	20			orange brown in colour paragneiss o/c	
608369	Sand	60	Loam	20			orange brown in colour dup 608369	
608375	Sand	60	Loam	0			orange brown in colour paragneiss o/c	
608374	Sand	60	Loam	0			orange brown in colour	
608377	Sand	50	Loam	0			orange brown in colour	
608373	Sand	35	Loam	0			orange brown in colour	
608357	Sand	30	Loam	0			orange brown in colour paragneiss o/c	
608361	Sand	70	Loam	0			orange brown in colour paragneiss o/c	

Sample No	Zone	Eastings	Northing	Dup	Topo. Relief	Slope	land use	Vegetation	Moisture	Soil Provicence	Soil Type	Soil Color	Compaction	Sample Comp 1	%
608364	19	661799	6393750	0	gently falling	moderate	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608362	19	661700	6393747	1	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608358	19	661700	6393747	1	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608360	19	661600	6393751	0	gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	20
608363	19	661390	6293766	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	30
608359	19	661297	6293747	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	60
608365	19	661200	6293750	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608371	19	661098	6293749	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	30
608368	19	660989	6293754	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608366	19	660900	6293751	0	gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	30
608370	19	660797	6293752	0	gently falling	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	60
608376	19	660007	6293552	0	gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Red		Gravel	20
608378	19	660197	6293552	0	gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	20
608381	19	660402	6293550	0	gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Brown		Gravel	20
608379	19	660500	6293553	1	gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	20
608383	19	660500	6293553	1	gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	20
608382	19	660600	6293547	0	gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	40
608380	19	660702	6293550	0	gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608384	19	661108	6293551	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	40
608388	19	661196	6293553	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	20
608386	19	661307	6293541	0	flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	70

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608364	Sand	40	Loam	10			orange brown in colour dup 608362 paragneiss o/c	
608362	Sand	50	Loam	0			orange brown in colour	
608358	Sand	50	Loam	0			orange brown in colour dup 608358 paragneiss o/c	
608360	Sand	70	Loam	10			orange brown in colour	
608363	Sand	70	Loam	0			orange brown in colour	
608359	Sand	40	Loam	0			orange brown in colour	
608365	Sand	50	Loam	0			orange brown in colour paragneiss o/c	
608371	Sand	70	Loam	0			orange brown in colour	
608368	Sand	50	Loam	0			orange brown in colour	
608366	Sand	70	Loam	0			orange brown in colour	
608370	Sand	40	Loam	0			orange brown in colour paragneiss o/c	
608376	Sand	80	Loam	0			reddish brown in colour	
608378	Sand	80	Loam	0			brown in colour papagneiss o/c	
608381	Sand	60	Loam	20			orange brown in colour dup 608383	
608379	Sand	60	Loam	20			orange brown in colour dup 608379	
608383	Sand	60	Loam	20			orange brown in colour	
608382	Sand	60	Loam	0			orange brown in colour	
608380	Sand	50	Loam	0			orange brown in colour	
608384	Sand	60	Loam	0			orange brown in colour	
608388	Sand	80	Loam	0			orange brown in colour	
608386	Sand	30	Loam	0			orange brown in colour	

SampleNo	Zone	Easting	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
608385	19	661496	6293551	0		flat	level	Open forest	Open forest	Damp	Residual	"B" oxide	Brown		Gravel	40
608387	19	661804	6293548	0		gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	50
608390	19	661900	6293550	0		gently rising	level	Open forest	Open forest	Damp	Residual	"B" oxide	Orange		Gravel	40
608405	19	665801	6324802	0		moderate	Gentle Falling	Grassland	Grassland	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608407	19	665895	6324800	0		moderate	Gentle Rising	Grassland	Spinifex	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608402	19	666010	6324829	0		moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	10
608406	19	666111	6324777	0		moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608403	19	666200	6324800	0		moderate	Gentle Falling	Open forest	Open Forest	Moist	Residual	"B" oxide	Red	20-30	Gravel	30
608399	19	666294	6324806	0		moderate	Crest	Grassland	Grassland	Damp	Residual	"B" oxide	Orange	20-30	Gravel	10
608404	19	666400	6324806	0		moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608401	19	666400	6324805	1		moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608398	19	666485	6324808	0		low	Gentle Rising	Open forest	Spinifex	Damp	Residual	"B" oxide	Orange	20-30	Gravel	10
608400	19	666800	6324406	0		moderate	Gentle Rising	Grassland	Barren	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608397	19	666719	6324398	0		moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608393	19	666401	6324402	0		moderate	Gentle Falling	Open forest	Grassland	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608395	19	666288	6324397	0		moderate	Gentle Falling	Grassland	Grassland	Damp	Residual	"B" oxide	Brown	20-30	Gravel	30
608392	19	666203	6324397	0		moderate	Steep Rising	Grassland	Grassland	Damp	Residual	"B" oxide	Orange	20-30	Gravel	60
608396	19	666112	6324400	0		moderate	Gentle Rising	Grassland	Grassland	Moist	Residual	"B" oxide	Brown	10-20	Gravel	40
608394	19	665997	6324399	1		moderate	Gentle Rising	Grassland	Grassland	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608391	19	665997	6324398	1		moderate	Gentle Rising	Grassland	Grassland	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608389	19	665900	6324397	0		moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	30-40	Gravel	60
608447	19	646200	6290001	0		low	Level	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	50
608444	19	646205	6289806	0		flat	Level	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608442	19	646212	6289718	0		low	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608446	19	646192	6289400	0		moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608385	Sand	50	Loam	10			orange brown in colour	
608387	Sand	50	Loam	0			orange brown in colour	
608390	Sand	60	Loam	0				
608405	Sand	60		0			0 reddish orange brown	
608407	Sand	80		0			0 orange brown	
608402	Sand	70	Loam	20			0 orange brown paragneiss o/c nearby	
608406	Sand	80		0			0 orange brown paragneiss o/c nearby	
608403	Sand	70		0			0 dark reddish brown paragneiss o/c nearby	
608399	Sand	70	Loam	20			0	
608404	Sand	80		0			0 duplicate 608401	
608401	Sand	80		0			0 orange bbrown duplicate 608404	
608398	Sand	90		0			0 dark reddish orange brown	
608400	Sand	70		0			0 orange brown	
608397	Sand	70		0			0	
608393	Sand	70		0			0 dark orange brown	
608395	Sand	70		0			0 dark orange brown	
608392	Sand	40		0			0 dark reddish brown	
608396	Sand	60		0			0 dark orange brown	
608394	Sand	70		0			0 duplicate to 608391	
608391	Sand	70		0			0 duplicate to 608394	
608389	Sand	40		0			0 dark reddish brown	
608447	Sand	50		0			0 orange brn colour	
608444	Sand	70		0			0 orange brn colour	
608442	Sand	60		0			0 light orange brn colour	
608446	Sand	60		0			0 orange brn colour	

Sample No	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Compl	%
608443	19	646187	6289305	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608445	19	646201	6289101	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608441	19	646202	6289000	1	moderate	Crest	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608436	19	646202	6289000	1	moderate	Crest	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608438	19	646207	6288907	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608440	19	646204	6288802	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608437	19	646204	6288699	0	moderate	Steep Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608439	19	646201	6288600	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608435	19	646199	6288505	0	moderate	Level	Open forest	Open Forest	Moist	Residual	"B" oxide	Red	20-30	Gravel	20
608432	19	645972	6288374	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608434	19	645993	6288503	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	10
608431	19	646006	6288608	0	moderate	Crest	Open forest	Open Forest	Dry	Residual	"B" oxide	Yellow	10-20	Gravel	20
608433	19	646011	6288678	1	moderate	Crest	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608430	19	646011	6288688	1	moderate	Crest	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608426	19	646000	6288796	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	10
608429	19	646004	6288897	0	moderate	Gully	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608424	19	645993	6288994	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608425	19	646000	6289119	0	moderate	Level	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608422	19	646006	6289298	0	moderate	Crest	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608427	19	646000	6289405	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608423	19	646001	6289497	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	10

SampleNo	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608443	Sand	70		0			0 dark orange brn colour	
608445	Sand	70		0			0 orange brn colour	
608441	Sand	70		0			0 duplicate 608436	
608436	Sand	70		0			0 orange brn colour duplicate 608441	
608438	Sand	70		0			0 orange brn colour	
608440	Sand	60		0			0 orange brn colour	
608437	Sand	60		0			0 orange brn colour	
608439	Sand	60		0			0 orange brn colour with amphotite outcrop nearby	
608435	Sand	50	Loam	30			0 dk reddish brn colour	
608432	Sand	70	Loam	10			0 orange brn colour with s&p colour paragneiss	
608434	Sand	70	Loam	20			0 dark orange brn colour with amphotite and paragneiss outcrop	
608431	Sand	80		0			0 yellow to orange brn colour from rusty outcrop paragneiss	
608433	Sand	70		0			0 duplicate 608430	
608430	Sand	70		0			0 duplicate 608433 paragneiss nearby	
608426	Sand	70	Loam	20			0 orange brn colour	
608429	Sand	70		0			0 light orange brn colour	
608424	Sand	60		0			0 orange brn colour	
608425	Sand	60		0			0 orange brn colour	
608422	Sand	70		0			0 orange brn colour	
608427	Sand	70		0			0 orange brn colour	
608423	Sand	90		0			0 orange brn colour	

Sample No	Zone	Easting	Northing	Dup	Topo. Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
608428	19	646003	6289593	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608421	19	645996	6289694	1	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40
608418	19	645995	6289693	1	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40
608416	19	645998	6289797	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608419	19	646000	6289901	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	20-30	Gravel	20
608417	19	645997	6290202	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608420	19	646000	6290301	0	low	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608415	19	646005	6290380	0	low	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608413	19	646003	6290501	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608409	19	645994	6290593	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	20-30	Gravel	20
608412	19	646015	6290698	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608414	19	646000	6290799	1	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608410	19	646000	6290799	1	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608411	19	645997	6290902	0	flat	Level	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40
608408	19	646000	6290995	0	moderate	Gentle Rising	Open forest	Grassland	Damp	Residual	"B" oxide	Red	20-30	Gravel	50
608475	19	641807	6290794	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608474	19	641701	6290798	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	20-30	Gravel	50
608476	19	641504	6290812	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	0
608471	19	641312	6290801	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	20-30	Gravel	40
608477	19	640806	6290800	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608473	19	640699	6290799	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608428	Sand	80		0		0	orange brn colour	
608421	Sand	60		0		0	duplicate 608416	
608418	Sand	60		0		0	orange brn colour duplicate 608421	
608416	Sand	70		0		0	orange brn colour	
608419	Sand	60	Loam	20		0		
608417	Sand	70	Loam	10		0	orange brown near swamp	
608420	Sand	70	Loam	10		0	orange brown in colour	
608415	Sand	70		0		0	orange brown in colour	
608413	Sand	80		0		0	orange brown in colour	
608409	Sand	80		0		0	brown soil	
608412	Sand	80		0		0	orange brown in colour rusty outcrop nearby paragneiss	
608414	Sand	60		0		0	duplicate 608410	
608410	Sand	60		0		0	duplicate to 608414 orange Brown in colour	
608411	Sand	60		0		0	orange brown in colour rusty boulder nearby	
608408	Sand	50		0		0	reddish brown in colour	
608475	Sand	70		0		0	light orange brn colour	
608474	Sand	50		0		0	dark reddish brn colour	
608476	Sand	0		0		0	greyish orange colour	
608471	Sand	60		0		0	light brownish orange colour	
608477	Sand	60		0		0	dark orange brn colour	
608473	Sand	60		0		0	orange brn colour duplicate 608470	

SampleNo	Zone	Easting	Northing	Dup	Topo. Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
608470	19	640611	6290782	1	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608465	19	640612	6290780	1	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608472	19	640504	6290806	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608469	19	640407	6290804	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	50
608467	19	640308	6290804	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608463	19	640218	6290793	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608468	19	640103	6291008	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608464	19	640195	6291017	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608466	19	640392	6290999	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	30
608462	19	640497	6291022	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	50
608460	19	640600	6291004	1	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608457	19	640600	6291004	1	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608461	19	640691	6290994	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	30
608459	19	640800	6291011	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608456	19	640905	6291013	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	20-30	Gravel	30
608458	19	641010	6291002	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40
608454	19	641100	6291000	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608451	19	641199	6291016	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608455	19	641300	6291000	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608453	19	641588	6291012	1	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608449	19	641588	6291012	1	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608470	Sand	80		0		0	duplicate 608465	
608465	Sand	80		0		0	orange brn colour	
608472	Sand	70		0		0	orange brn colour weathered gneiss	
608469	Sand	50		0		0	orange brn colour	
608467	Sand	70		0		0	dark orange brn colour	
608463	Sand	60		0		0	orange brn colour	
608468	Sand	60	Loam	20		0	greenish orange brn colour	
608464	Sand	60		0		0	light brn to orange brn colour	
608466	Sand	70		0		0	greyish orange brn colour	
608462	Sand	50		0		0	orange brn colour	
608460	Sand	80		0		0	duplicate 608457	
608457	Sand	80		0		0	light orange brn colour duplicate 608460	
608461	Sand	70		0		0	orange brn colour rusty paragneiss 30m east	
608459	Sand	80		0		0	orange brn colour	
608456	Sand	60	Loam	10		0		
608458	Sand	60		0		0	dark orange brn colour	
608454	Sand	70		0		0	orange brn colour	
608451	Sand	70		0		0	orange brown colour	
608455	Sand	60		0		0	orange brn colour	
608453	Sand	60		0		0	duplicate 608449	
608449	Sand	60		0		0	orange brn colour duplicate 608453	

SampleNo	Zone	Eastings	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
608450	19	641800	6291000	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608452	19	641902	6291002	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608448	19	642000	6290998	0	flat	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608485	19	655002	6293720	1	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608480	19	655002	6293720	1	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608490	19	654984	6294818	0	low	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608482	19	655007	6293597	0	low	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608481	19	655003	6294206	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608479	19	655008	6293895	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608498	19	654800	6295003	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	30
608491	19	655019	6295005	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	10-20	Gravel	20
608489	19	655000	6294600	1	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608507	19	654798	6294404	0	moderate	Crest	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	10
608487	19	655001	6294418	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	20-30	Gravel	20
608515	19	663491	6294693	0	moderate	Crest	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608499	19	655003	6294700	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	10-20	Gravel	20
608486	19	655011	6294312	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608497	19	654800	6294683	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	30-40	Gravel	40
608503	19	654801	6294498	1	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608484	19	655004	6294101	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608495	19	655004	6294907	0	low	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20

Sample No.	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608450	Sand	60		0		0	orange brn colour	
608452	Sand	60	Loam	20		0	light brn to orange brn colour	
608448	Sand	60		0		0	orange brn colour	
608485	Sand	70		0		0	duplicate 608480	
608480	Sand	70		0		0	orange brn colour duplicate 608485	
608490	Sand	70		0		0	light orange brn colour	
608482	Sand	60		0		0	orange brown colour	
608481	Sand	80		0		0	dark orange brn colour rusty paragneiss outcrop 50m south	
608479	Sand	70		0		0	orange brn colour	
608498	Sand	70		0		0	orange brn colour mainly weathered amphibolite	
608491	Sand	80		0		0		
608489	Sand	80		0		0	orange brn colour duplicate 608493	
608507	Sand	90		0		0		
608487	Sand	80		0		0	light brn colour paragneiss outcrop nearby	
608515	Sand	80		0		0	duplicate 608512	
608499	Sand	80		0		0	light orange brn colour paragneiss outcrop nearby	
608486	Sand	70		0		0	orange brn colour	
608497	Sand	60		0		0	orange brn colour	
608503	Sand	80		0		0	duplicate 608500	
608484	Sand	80		0		0	orange brn colour	
608495	Sand	80		0		0	orange brn colour	

Sample No.	Zone	Easting	Northing	Dep.	Topo. Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
608493	19	655000	6294600	1	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608478	19	654999	6293480	0	low	Level	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	20-30	Gravel	30
608502	19	654807	6293791	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	10
608508	19	654798	6293596	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	40
608509	19	663504	6294803	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608504	19	654804	6293918	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	10-20	Gravel	20
608512	19	663491	6294693	1	moderate	Crest	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608501	19	654099	6294099	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	10
608506	19	663507	6294902	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608505	19	654809	6294301	0	low	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608500	19	654801	6294498	1	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608496	19	655004	6294502	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	30-40	Gravel	40
608483	19	655008	6293800	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608488	19	655004	6294001	0	moderate	Crest	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	20-30	Gravel	30
608492	19	654802	6294805	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	30-40	Gravel	30
608494	19	654803	6294600	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608510	19	663508	6294611	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	10-20	Gravel	40
608516	19	663494	6294509	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	40
608511	19	663500	6294298	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	30
608517	19	663517	6294099	0	moderate	Gentle Rising	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	10-20	Gravel	20
608514	19	663508	6294001	0	moderate	Crest	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608493	Sand	80		0		0	duplicate 608489	
608478	Sand	70		0		0	dark reddish brown colour	
608502	Sand	60	Loam	30		0	light orange brn colour	
608508	Sand	60		0		0	light orange brn colour	
608509	Sand	80		0		0	orange brn colour rusty paragneiss nearby	
608504	Sand	80		0		0	light orange brn colour	
608512	Sand	80		0		0	orange brn colour duplicate 608515	
608501	Sand	90		0		0	orange brn colour rusty paragneiss outcrop	
608506	Sand	70		0		0	orange brn colour	
608505	Sand	70		0		0	orange brn colour rusty paragneiss nearby	
608500	Sand	80		0		0	orange brn colour duplicate 608503	
608496	Sand	60		0		0	dark orange brn colour	
608483	Sand	80		0		0	orange brn colour	
608488	Sand	70		0		0	orangish brn colour	
608492	Sand	70		0		0	orange brn colour	
608494	Sand	80		0		0		
608510	Sand	60		0		0		
608516	Sand	60		0		0		
608511	Sand	70		0		0	orange brn colour	
608517	Sand	80		0		0	orange brn colour paragneiss outcrop nearby	
608514	Sand	70		0		0	orange brn colour near rusty paragneiss	

SampleNo	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
608513	19	663505	6293896	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608518	19	663490	6293793	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	20-30	Gravel	30
608522	19	663495	6293706	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange		Gravel	10
608519	19	663501	6293600	1	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608525	19	663500	6293603	1	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608521	19	663506	6293398	0	low	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608527	19	663512	6293293	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	10
608520	19	663496	6293203	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608523	19	663502	6293102	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	10
608528	19	663500	6239003	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	30-40	Gravel	20
608524	19	663506	6292903	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange		Gravel	30
608529	19	663497	6292701	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Grey	30-40	Gravel	20
608530	19	663511	6292593	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Brown	20-30	Gravel	30
608526	19	663482	6262484	1	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608533	19	663483	6292484	1	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608531	19	645000	6332900	0	moderate	Level	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	20-30	Gravel	30
608534	19	645010	6332947	0	moderate	Gentle Rising	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	20-30	Gravel	20
608537	19	644923	6332978	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	30-40	Gravel	20
608532	19	644823	6332991	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	20-30	Gravel	20
608535	19	644732	6333032	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	20-30	Gravel	20
608538	19	644640	6333065	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	30-40	Gravel	40

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608513	Sand	70	0	0	0	0	orange brn colour	
608518	Sand	70	0	0	0	0		
608522	Sand	90	0	0	0	0	orange brn colour	
608519	Sand	80	0	0	0	0	orange brn colour duplicate 608525	
608525	Sand	80	0	0	0	0	duplicate 608519	
608521	Sand	80	0	0	0	0	orange brn colour	
608527	Sand	90	0	0	0	0	orange brn colour	
608520	Sand	70	0	0	0	0	orange brn colour	
608523	Sand	90	0	0	0	0	orange brn colour	
608528	Sand	80	0	0	0	0	orange brn colour	
608524	Sand	70	0	0	0	0	bright orange brn colour	
608529	Sand	80	0	0	0	0	orange grey colour	
608530	Sand	70	0	0	0	0		
608526	Sand	70	0	0	0	0	orange brn colour duplicate 608533	
608533	Sand	70	0	0	0	0	duplicate 608526	
608531	Sand	70	0	0	0	0	orange brn colour	
608534	Sand	80	0	0	0	0	orange brn colour	
608537	Sand	80	0	0	0	0	light brn colour	
608532	Sand	80	0	0	0	0		
608535	Sand	80	0	0	0	0	light brn colour	
608538	Sand	60	0	0	0	0	bright orange brn colour	

Sample No	Zone	Easting	Northing	Dup	Topo. Relief	Slope	Land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
608536	19	644521	6333133	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Brown	20-30	Gravel	20
608541	19	644446	6333158	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
608539	19	644347	6333167	1	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	30-40	Gravel	20
608544	19	644338	6333162	1	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	30-40	Gravel	20
608542	19	644249	6333189	0	moderate	Gentle Falling	Open forest	Tundra	Damp	Residual	"B" oxide	Orange	30-40	Gravel	10
608540	19	644164	6333238	0	low	Valley	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	30-40	Gravel	30
608543	19	644081	6333289	0	moderate	Gentle Falling	Open forest	Open Forest	Damp	Residual	"B" oxide	Orange	30-40	Gravel	30
608545	19	643987	6333323	0	moderate	Gentle Falling	Open forest	Tagra	Damp	Residual	"B" oxide	Orange	20-30	Gravel	20
609661	20	336974	6240763	0	low	Gentle Falling	Open forest		Saturated	Colluvial	"B" oxide	Brown	10-20	Sand	0
609640	20	336882	6239859	0	moderate	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609677	20	336824	6239796	0	low	Gentle Falling	Open forest		Damp	Colluvial	"B" oxide	Brown	10-20	Sand	0
609691	20	336753	6239746	0	low	Gentle Falling	Open forest		Damp	Residual	"B" oxide	Brown	10-20	Clay	0
609682	20	336638	6240491	0	flat	Level	Open forest		Saturated		"B" oxide	Brown	10-20	Sand	0
609630	20	336676	6240529	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
609616	20	336752	6240588	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	20-30	Clay	0
609642	20	336900	6240695	0	flat	Level	Open forest		Saturated		"B" oxide	Brown	10-20	Clay	0
609617	20	337090	6240065	0	low	Gentle Falling	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609652	20	332621	6244810	0					Saturated		"B" oxide	Black	10	Sand	
609700	20	337071	6240821	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
609626	20	337140	6240878	0	low	Gentle Falling	Open forest		Moist	Colluvial	"B" oxide	Brown	10-20	Sand	0
609684	20	337206	6240944	0	flat	Gentle Falling	Open forest		Saturated	Indeterminate	"B" oxide	Brown	20-30	Clay	0
609654	20	337295	6241002	0	low	Gentle Falling	Open forest		Saturated		"B" oxide	Brown	10-20	Sand	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
608536	Sand	80		0		0	light orange brn colour	
608541	Sand	80		0		0	light orange brn colour	
608539	Sand	80		0		0	light orange brn colour duplicate 608544	
608544	Sand	80		0		0	duplicate 608539	
608542	Sand	90		0		0	light orange brn colour	
608540	Sand	70		0		0	dark orange brn colour	
608543	Sand	70		0		0	orange brn colour	
608545	Sand	80		0		0	orange brn colour	
609661	Clay	0		0		0	q11-2-1-500, soil med brn poorly devel on sandy till	
609640		0		0		0	q11-2-2-200, med brn	
609677	Clay	0		0		0	q11-2-2-100, medium brown, sandy with some clay	
609691		0		0		0	q11-2-2-000, red brown, good profile	
609682	Clay	0		0		0	q11-2-1-000, med brn, poor soil. site in swamp, sample taken back at edge. eol sW.	
609630	Clay	0		0		0	q11-2-1-100, deep red brown, good soil	
609616	Sand	0		0		0	q11-2-1-200, deep red brown, good soil	
609642	Sand	0		0		0	q11-2-1-400 soil medium brown	
609617	Sand	0		0		0	q11-2-2-500, red-brn	
609652							q11-1-2-400, black red, poor sample	
							q11-2-1-600, med brn	
609700	Clay	0		0		0		
609626	Clay	0		0		0	q11-2-1-700, soil light yellow brn	
609684	Sand	0		0		0	q11-2-1-800w, soil ylw-brn	
							yellow brn	
609654	Clay	0		0		0	eol, q11, anomaly q,line1,900e, eol to ne	

Sample No	Zone	Easting	Northing	Dup	Topo. Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp1	%
609668	20	332547	6244741	0					Moist		"B" oxide	Brown	10-20	Sand	
609658	20	332481	6244690	0					Saturated		"B" oxide	Brown	20	Sand	
609653	20	332406	6244641	0					Moist		"B" oxide	Brown	20	Silt	
609676	20	336824	6240646	0	low	Gentle Rising	Open forest		Saturated		"B" oxide	Brown	10-20	Sand	0
609611	20	338390	6236904	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609693	20	333075	6244876	0					Moist		"B" oxide	Red	15-20	Sand	
609602	20	333141	6244938	0					Saturated		"B" oxide	Brown	15-20	Sand	
609663	20	332986	6245114	0					Saturated		"B" oxide	Brown	20	Sand	
609692	20	332986	6245114	1					DrySatura ted		"B" oxide	Brown	20	Sand	
609680	20	332909	6245053	0					Moist		"B" oxide	Brown	20-25	Sand	
609656	20	332834	6244991	0					Dry		"B" oxide	Brown	10	Sand	
609681	20	332766	6244936	0					Dry		"B" oxide	Brown	10	Sand	
609629	20	332691	6244870	0					Dry		"B" oxide	Brown	5-10	Sand	
609674	20	336952	6239932	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Sand	0
609634	20	338490	6236898	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609698	20	337017	6239993	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609624	20	338301	6236895	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609690	20	338202	6236904	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609697	20	337994	6236895	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609672	20	337825	6236902	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
609665	20	337365	6240324	0	low	Gentle Rising	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
609627	20	337297	6240263	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	20-30	Clay	0
609671	20	337225	6240193	0	low	Gentle Rising	Open forest		Damp	Residual	"B" oxide	Brown	10-20	Clay	0
609645	20	337164	6240132	0	low	Steep Rising	Open forest		Dry	Residual	"B" oxide	Brown	10-20	Clay	0
609337	20	330004	6255296	0	flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
609638	20	338614	6236893	0	low	Gentle Falling	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
609364	20	321804	6270011	1	moderate	Steep Falling	Open forest		Dry		"B" oxide	Brown	20-30	Clay	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
609668	Clay						q11-1-2-300, brown sand, red brown clay	
609658							q11-1-2-200, yellow brown black	
609653	Clay						q11-1-2-100, red brown	
609676	Clay	0		0		0	q11-2-1-300 med brn very sandy	
609611	Sand	0		0		0	q11-3-1-800, deep red brn	
609693	Clay						q11-1-1-800, deep red brown	
609602	Clay						q11-1-1-900, red brown, EOL	
609663	Silt						q11-1-2-900, red yellow brown	
609692	Silt						q11-1-2-900, duplicate	
609680	Clay						q11-1-2-800, brown	
609656							q11-1-2-700, yellow brown	
609681	Silt						q11-1-2-600, yellow brown	
609629							q11-1-2-500, brown, boulder field	
609674	Clay	0		0		0	q11-2-2-300, med brown	
609634	Sand	0		0		0	q11-3-1-900, red brn	
609698	Sand	0		0		0	q11-2-2-400, med red brown	
609624	Sand	0		0		0	q11-3-1-700, deep red Vrn good profile	
609690	Sand	0		0		0	q11-3-1-600, deep red brn good profile	
609697	Sand	0		0		0	q11-3-1-400, dk red brn good profile	
609672	Clay	0		0		0	q11-3-1-225, deep red brown, thin horizon.	
609665	Clay	0		0		0	q11-2-2-900, light brn, msmple not as good	
609627	Sand	0		0		0	q11-2-2-800, med brn	
609671	Sand	0		0		0	q11-2-2-700, med brn	
609645	Sand	0		0		0	q11-2-2-600, med brn	
609337	Sand	0		0		0	g51-2-1000, red brn	
609638	Sand	0		0		0	q11-2-1-1000, red brn	
609364	Sand	0		0		0	g43-1-700, dup of 609331, Med brn	

Sample No	Zone	Easting	Northing	Dup	Topo Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp	%
609679	20	333001	6244817	0					Saturated		"B" oxide	Brown	15-20	Sand	
609331	20	321798	6270005	0	moderate	Steep Falling	Open forest		Dry		"B" oxide	Brown	20-30	Clay	0
609318	20	321098	6270017	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609363	20	321903	6270021	0	moderate	Steep Falling	Open forest		Moist		"B" oxide	Brown	10-20	Clay	0
609344	20	329489	6255300	0	low	Level	Grassland		Damp		"B" oxide	Brown	10-20	Clay	0
609356	20	321204	6270005	0	flat	Level	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609352	20	321305	6270000	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
609664	20	332379	6244617	0					Saturated		"B" oxide	Brown	25	Clay	
sed-3	20	338036	6240417	0	flat	Gentle Falling	Grassland	Grassland							0
609317	20	329300	6255305	0	flat	Level	Grassland		Saturated		"B" oxide	Brown	20-30	Clay	0
sed-5	20	377267	6237746	0	low	Gentle Falling	Grassland	Grassland							0
609651	20	332536	6244406	0					Moist		"B" oxide	Grey	25-30	Clay	
609354	20	329900	6255303	1	flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
609610	20	337729	6236896	0	flat	Level	Open forest		Saturated		Gley	Black	20-30	Organic s	80
sed-4	20	337249	6241978	0	low	Gentle Falling									0
609308	20	329901	6255304	1	flat	Level	Grassland		Dry		"B" oxide	Brown	10-20	Clay	0
609359	20	321505	6269989	0	low	Level	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609360	20	329636	6255310	0	flat	Level	Swamp		Moist		"B" oxide	Brown	20-30	Clay	0
609322	20	321413	6270005	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609320	20	329712	6255301	0	flat	Level	Open forest		Moist		"B" oxide	Brown	10-20	Sand	0
609357	20	321595	6269996	0	low	Gentle Falling	Open forest		Dry		"B" oxide	Brown	10-20	Clay	0
609362	20	323107	6251851	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0
609361	20	321101	6270020	1	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	10-20	Sand	0
609319	20	323014	6251837	0	low	Gentle Rising	Open forest		Dry		"B" oxide	Brown	20-30	Clay	0
609355	20	322902	6251860	0	low	Gentle Rising	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
609330	20	329400	6255298	0	flat	Level	Grassland		Moist		"B" oxide	Brown	20-30	Clay	0
609307	20	329822	6255288	0	flat	Level	Open forest		Damp		"B" oxide	Brown	10-20	Clay	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
609679							q11-1-1-700, red-brown to black	
609331	Sand	0		0			0 g43-1-700, dup 609364, med brn	
609318	Clay	0		0			0 g43-1-0, dup 609361, med Brn	
609363	Sand	0		0			0 g43-1-800, med brn, eol.	
609344	Sand	0		0			0 g51-2-500, red brn	
609356	Clay	0		0			0 g43-1-100, med brn	
609352	Sand	0		0			0 g43-1-200, deep red brn	
609664							q11-1-2-000, dark brown composite, EOL, lake ph= 7.1	
sed-3		0		0			0 ph=6.99	
609317	Sand	0		0			0 g51-2-300, deep redbrn	
sed-5		0		0			0 strm 20mwide, 0.2mdeep, ph 7.43	
609651	Silt						q11-1-1-000, gley grey	
609354	Sand	0		0			0 g51-2-900, dup of 609308, red brn	
609610	Clay	0	Sand	0			0 q11-3-1-125, blk to grey, mostly organic, poor sample	
sed-4		0		0			0 strm 15mwide, 2-4mdeep ph=7.4	
609308	Sand	0		0			0 g51-2-900, dup of 609354, red brn	
609359	Sand	0		0			0 g43-1-400, med red-brn	
609360	Sand	0		0			0 g51-2-600, med brn	
609322	Sand	0		0			0 g43-1-300, red Brn	
609320	Clay	0		0			0 g51-2-700, med brn	
609357	Sand	0		0			0 g43-1-500, med brn	
609362	Sand	0		0			0 g50-1-300, red Brn	
609361	Clay	0		0			0 g43-1-0 dup of 609318, med brn	
609319	Sand	0		0			0 g50-1-200, deep red brn	
609355	Sand	0		0			0 g50-1-100, deep redbrn	
609330	Sand	0		0			0 g51-2-400, deep red brn	
609307	Sand	0		0			0 g51-2-800, red Brn	

Sample No	Zone	Easting	Northing	Dup	Topo	Relief	Slope	land use	Vegetation	Moisture	Soil Providence	Soil Type	Soil Color	Compaction	Sample Comp 1	%
609335	20	329008	6255299	0		low	Level	Open forest		Saturated		"B" oxide	Brown	20-30	Clay	0
609618	20	332941	6244758	0						Moist		"B" oxide	Red	15	Clay	
609328	20	321704	6270007	0		moderate	Steep Falling		Open Forest	Dry		"B" oxide	Brown	10-20	Clay	0
609688	20	332852	6244700	0						Dry		"B" oxide	Brown	25	Sand	
609327	20	323300	6251835	0		flat	Level	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
609329	20	322813	6251853	0		moderate	Gentle Rising	Open forest		Damp		"B" oxide	Brown	20-30	Clay	0
609341	20	329102	6255296	0		low	Level	Grassland		Damp		"B" oxide	Brown	10-20	Clay	0
609633	20	332597	6244460	0						Saturated		"B" oxide	Brown	20-30	Clay	
609660	20	332655	6244527	0						Saturated		"B" oxide	Brown	20-30	Clay	
609667	20	332721	6244579	0						Moist		"B" oxide	Black	25	Silt	
609687	20	332783	6244652	0						Moist		"B" oxide	Brown	25	Sand	
609305	20	323211	6251859	0		flat	Level	Open forest		Saturated		"B" oxide	Brown	20-30	Clay	0
609306	20	329204	6255300	0		flat	Level	Grassland		Damp		"B" oxide	Brown	10-20	Clay	0

Sample No	Sample Comp2	%	Sample Comp3	%	Sample Comp4	%	General Comments	Sample Comments
609335	Sand	0		0			0:g51-2-0, med brn	
609618	Sand						q11-1-1-600, red/gley/brown	
609328	Sand	0		0			0:g43-1-600, med brn	
609688							q11-1-1-500, red/gley/brown, hill top	
609327	Sand	0		0			0:g50-1-500, med brn	
609329	Sand	0		0			0:g50-1-0, eol, med Brn	
609341	Sand	0		0			0:g51-2-100, red Brn	
609633	Silt						q11-1-1-100, light brown	
609660	Silt						q11-1-1-200, brown	
609667	Sand						q11-1-1-300, brown	
609687							q11-1-1-400, red brown	
609305	Sand	0		0			0:g50-1-400, deep red Brn	
609306	Sand	0		0			0:g51-2-200, red brn	

Appendix 7b

Soil Analysis Certificates

Appendix 7
 Results of Soil Geochemistry
 Summary Statistics

Quebec 7 Project
 WMC International Limited

Variable	Descriptive Statistics (AllSoilsTDWK.sta)							
	Valid N	Mean	Median	Minimum	Maximum	Percentile 20.00000	Percentile 90.00000	Std. Dev.
Au_ppb	861	0.66	-1.00	-1.00	200.00	-1.00	1.00	7.70
Pt_ppb	861	0.81	0.50	-0.50	35.00	-0.50	1.00	2.36
Pd_ppb	861	0.26	-1.00	-1.00	34.00	-1.00	1.00	3.35
Ag_ppm	861	0.15	0.08	-0.01	2.05	0.03	0.18	0.24
Al_pct	861	1.95	1.79	0.33	9.05	1.24	2.51	0.94
As_ppm	861	0.64	0.40	-0.10	13.80	0.10	0.70	1.28
B_ppm	861	-9.43	-10.00	-10.00	60.00	-10.00	-10.00	3.89
Ba_ppm	861	76.19	47.20	6.20	507.30	22.40	119.20	76.61
Bi_ppm	861	0.08	0.04	-0.01	2.21	0.02	0.08	0.16
Ca_pct	861	0.26	0.23	-0.01	3.92	0.14	0.36	0.20
Cd_ppm	861	0.05	0.05	-0.01	0.49	0.01	0.08	0.06
Co_ppm	861	6.83	4.50	0.30	136.50	2.40	8.50	9.61
Cr_ppm	861	47.70	28.00	2.00	2940.00	16.00	58.00	138.15
Cu_ppm	861	26.16	14.80	2.20	341.00	7.60	37.60	31.20
Fe_pct	861	3.24	2.48	0.22	15.00	1.60	4.00	2.61
Hg_ppm	861	0.03	0.02	-0.01	0.38	0.01	0.04	0.03
K_pct	861	0.22	0.13	0.01	3.41	0.05	0.30	0.35
La_ppm	861	22.95	20.80	2.60	102.00	15.60	28.80	9.80
Li_ppm	362	12.15	10.90	1.00	54.90	7.40	15.90	6.28
Mg_pct	861	0.54	0.44	0.03	5.26	0.20	0.77	0.46
Mn_ppm	861	158.64	120.00	10.00	2970.00	70.00	180.00	185.46
Mo_ppm	861	3.13	0.75	0.05	105.65	0.40	1.80	9.26
Na_pct	861	0.01	0.01	-0.01	0.21	-0.01	0.01	0.02
Ni_ppm	861	19.65	10.00	-0.20	718.00	4.20	24.20	49.86
P_ppm	861	1068.97	1010.00	-8888.00	5390.00	680.00	1390.00	647.21
Pb_ppm	861	8.60	7.00	1.40	624.00	4.80	10.20	21.39
Rb_ppm	362	16.81	12.25	1.60	96.10	5.80	25.60	14.36
Re_ppm	362	-0.00	-0.00	-0.00	0.01	-0.00	-0.00	0.00
S_pct	861	0.10	0.02	-0.01	4.41	0.01	0.04	0.39
Sb_ppm	861	-0.04	-0.05	-0.05	0.65	-0.05	-0.05	0.05
Sc_ppm	861	3.32	3.00	-0.10	20.90	1.80	4.30	2.15
Se_ppm	500	1.05	0.60	-0.20	68.00	0.20	1.00	3.41
Sn_ppm	362	0.75	0.60	-0.20	6.40	0.60	1.00	0.54
Sr_ppm	861	10.55	8.60	0.60	61.40	6.00	14.60	6.46
Te_ppm	861	0.05	0.02	-0.01	5.41	-0.01	0.05	0.21
Th_ppm	362	5.70	4.40	0.60	45.20	3.00	7.20	5.52
Ti_pct	861	0.18	0.16	0.04	0.71	0.09	0.24	0.11
Tl_ppm	861	0.12	0.10	-0.02	1.26	0.04	0.18	0.13
U_ppm	861	0.99	0.90	0.10	7.50	0.60	1.30	0.55
V_ppm	697	71.77	49.00	5.00	594.00	32.00	84.00	75.65
Y_ppm	362	6.75	6.05	0.60	57.00	4.05	8.00	5.18
Zn_ppm	697	35.24	32.00	2.00	270.00	18.00	50.00	22.58



ALS Chemex

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BILLING INFORMATION

Date: 20-JUL-2001
 Project: Q17
 P.O. No.: MEDWMCQ7
 Account: GGH

Comments: ATTN: ANNETTE BURT

Billing: For analysis performed on
 Certificate A0120467

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS, INC.
 994 Glendale Ave., Unit 7,
 Sparks, NV USA 89431-5730

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
168	266 - Special prep procedure	0.00		
	SCR-01 - Screen - Save Plus Charge	0.50		
	PUL-31 - Pulv. <250g to >85%/-75 micron	2.50		
	LOG-22 - Samples received without barcode	0.50		
	- PGM-MS23	13.00		
	- ME-MS41	14.00		
	1433 - Weight in kilograms	0.00	30.50	5124.00
1	PUL-31 - Pulv. <250g to >85%/-75 micron	2.50		
	LOG-22 - Samples received without barcode	0.50		
	- ME-MS41	14.00		
	1433 - Weight in kilograms	0.00	17.00	17.00
6	- PGM-MS23	13.00		
	- ME-MS41	14.00		
	- Login - No Barcode	0.50		
	1433 - Weight in kilograms	0.00	27.50	165.00
1	PUL-31 - Pulv. <250g to >85%/-75 micron	2.50		
	LOG-22 - Samples received without barcode	0.50		
	- PGM-MS23	13.00		
	- ME-MS41	14.00		
	1433 - Weight in kilograms	0.00	30.00	30.00

Additional charges:

1	BAT-01 - Batch processing fee	20.00		20.00
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Total Cost \$ 5356.00
 Client Discount (20%) \$ -1071.20

TOTAL PAYABLE (U.S.) \$ 4284.80

*Original copy
 2/18/01*



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 7,
 Sparks, NV, U.S.A. 89431-5730
 PHONE: 775-356-5395
 FAX: 775-355-0179

WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, CO
 80112, USA

INVOICE NUMBER

I 0 1 2 0 4 6 7

BILLING INFORMATION

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168	266 - Special prep procedure	0.00		
	SCR-01 - Screen - Save Plus Charge	0.50		
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	LOG-22 - Samples received without barcode	0.50		
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1	PUL-31 - Pulv. <250g to >85%/-75 micron	2.50		
	LOG-22 - Samples received without barcode	0.50		
	- ME-MS41	14.00		
	1433 - Weight in kilograms	0.00	17.00	17.00
6	- PGM-MS23	13.00		
	- ME-MS41	14.00		
	- Login - No Barcode	0.50		
	1433 - Weight in kilograms	0.00	27.50	165.00
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	LOG-22 - Samples received without barcode	0.50		
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	- ME-MS41	14.00		
	1433 - Weight in kilograms	0.00	30.00	30.00
Additional charges:				
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Total Cost \$ 5356.00
 Client Discount (20%) \$ -1071.20
TOTAL PAYABLE (U.S.) \$ 4284.80



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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

A0120467

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120467

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 20-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
266	168	Special prep procedure
SCR-01	168	Screen - Save Plus Charge
PUL-31	170	Pulv. <250g to >85%/-75 micron
LOG-22	176	Samples received without barcode
225	6	Run as received

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
1433	176	Weight in kilograms	BALANCE	0.01	1000.0
Au-MS23	175	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	175	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	175	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Ag-MS41	176	Ag ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	100.0
Al-MS41	176	Al %: ICP + ICP-MS package	ICP	0.01	15.00
As-MS41	176	As ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
B-MS41	176	B ppm: ICP + ICP-MS package	ICP	10	10000
Ba-MS41	176	Ba ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Be-MS41	176	Be ppm: ICP + ICP-MS package	ICP	0.05	100.0
Bi-MS41	176	Bi ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
Ca-MS41	176	Ca %: ICP + ICP-MS package	ICP	0.01	15.00
Cd-MS41	176	Cd ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	500
Ce-MS41	176	Ce ppm: ICP + ICP-MS package	ICP-MS	0.02	500
Co-MS41	176	Co ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Cr-MS41	176	Cr ppm: ICP + ICP-MS package	ICP	1	10000
Cs-MS41	176	Cs ppm: ICP + ICP-MS package	ICP-MS	0.05	500
Cu-MS41	176	Cu ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Fe-MS41	176	Fe %: ICP + ICP-MS package	ICP	0.01	15.00
Ga-MS41	176	Ga ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Ge-MS41	176	Ge ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Hf-MS41	176	Hf ppm: ICP + ICP-MS package	ICP-MS	0.02	500.0
Hg-MS41	176	Hg ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
In-MS41	176	In ppm: ICP + ICP-MS package	ICP-MS	0.005	500.00
K-MS41	176	K %: ICP + ICP-MS package	ICP	0.01	10.00
La-MS41	176	La ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Li-MS41	176	Li ppm: ICP + ICP-MS package	ICP-MS	0.1	500
Mg-MS41	176	Mg %: ICP + ICP-MS package	ICP	0.01	15.00
Mn-MS41	176	Mn ppm: ICP + ICP-MS package	ICP	5	10000
Mo-MS41	176	Mo ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Na-MS41	176	Na %: ICP + ICP-MS package	ICP	0.01	10.00
Nb-MS41	176	Nb ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Ni-MS41	176	Ni ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
P-MS41	176	P ppm: ICP + ICP-MS package	ICP	10	10000
Pb-MS41	176	Pb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



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A0120467

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120467

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 20-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
266	168	Special prep procedure
SCR-01	168	Screen - Save Plus Charge
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ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Rb-MS41	176	Rb ppm: ICP + ICP-MS package	ICP-MS	0.1	500
Re-MS41	176	Re ppm: ICP + ICP-MS package	ICP-MS	0.001	50.0
S-MS41	176	S %: ICP + ICP-MS package	ICP	0.01	10.00
Sb-MS41	176	Sb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Sc-MS41	176	Sc ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Se-MS41	176	Se ppm: ICP + ICP-MS package	ICP-MS	0.2	1000
Sn-MS41	176	Sn ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Sr-MS41	176	Sr ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Ta-MS41	176	Ta ppm: ICP + ICP-MS package	ICP-MS	0.01	500.0
Te-MS41	176	Te ppm: ICP + ICP-MS package	ICP-MS	0.01	500
Th-MS41	176	Th ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Ti-MS41	176	Ti %: ICP + ICP-MS package	ICP	0.01	10.00
Tl-MS41	176	Tl ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	10000
U-MS41	176	U ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
V-MS41	176	V ppm: ICP + ICP-MS package	ICP	1	10000
W-MS41	176	W ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Y-MS41	176	Y ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Zn-MS41	176	Zn ppm: ICP + ICP-MS package	ICP	2	10000
Zr-MS41	176	Zr ppm: ICP + ICP-MS package	ICP-MS	0.5	500

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



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Page Nur : 1-A
Total Pag : 5
Certificate : 20-JUL-2001
Invoice No. : 10120467
P.O. Number : MEDWMCQ7
Account : GGH

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight Au ppb Pt ppb Pd ppb			Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	
		Kg ICP-MS	ICP-MS	ICP-MS																
602101	2669407	1.28	3	4.0	< 1	0.15	2.17	1.0	< 10	111.0	0.40	0.18	0.26	< 0.01	46.3	3.6	44	1.15	23.6	4.21
602102	2669407	0.68	3	< 0.5	< 1	0.08	1.83	0.4	< 10	23.6	0.40	0.06	0.25	0.06	35.7	2.6	18	0.55	6.4	1.88
602104	94139400	0.10	not/ss	not/ss	not/ss	0.09	0.34	28.6	< 10	58.6	0.40	0.11	0.26	0.04	83.6	3.0	26	0.25	18.6	1.43
602105	2669407	0.86	< 1	< 0.5	< 1	0.09	1.54	0.2	< 10	21.2	0.30	0.03	0.21	0.06	35.7	2.9	15	0.45	7.2	1.73
602106	2669407	0.74	< 1	1.0	< 1	0.08	2.51	0.3	< 10	32.2	0.50	0.04	0.17	0.03	40.7	3.2	20	0.55	13.4	1.96
602107	2669407	0.70	1	0.5	< 1	0.11	3.81	0.5	< 10	25.2	0.25	0.03	0.30	0.05	35.2	8.2	20	0.30	24.8	2.68
602109	2669407	0.78	< 1	2.5	2	0.13	2.08	0.3	< 10	120.2	0.30	0.10	0.19	0.06	30.8	4.3	35	1.20	57.4	3.71
602110	9400_225	0.12	12	0.5	1	0.50	2.47	5.6	< 10	89.6	0.20	0.06	1.95	0.17	18.15	25.4	23	0.65	419	4.09
602111	2669407	0.64	1	2.0	< 1	0.17	2.20	0.4	< 10	120.0	0.40	0.20	0.17	0.06	28.1	4.9	54	1.50	40.2	6.30
602112	2669407	0.72	< 1	< 0.5	< 1	0.10	1.93	0.4	< 10	29.6	0.50	0.03	0.22	0.06	43.2	3.5	21	0.55	9.2	2.02
602113	2669407	0.70	1	0.5	< 1	0.08	5.05	0.7	< 10	28.8	0.15	0.04	0.24	0.05	29.0	8.8	41	0.30	25.2	4.38
602114	2669407	0.76	1	0.5	< 1	0.14	7.17	0.9	< 10	66.2	0.30	0.03	0.39	0.12	42.8	11.3	25	0.40	40.6	5.24
602115	2669407	0.94	< 1	0.5	< 1	0.11	2.85	0.5	< 10	31.4	0.30	0.03	0.24	0.05	37.8	5.8	32	0.60	15.6	2.77
602116	2669407	0.78	1	< 0.5	< 1	0.14	2.23	0.6	< 10	25.8	0.30	0.04	0.19	0.04	36.8	4.0	24	0.65	8.6	2.60
602117	2669407	0.80	1	< 0.5	< 1	0.10	2.74	0.3	< 10	37.0	0.40	0.04	0.21	0.04	43.9	4.4	27	0.80	19.6	2.62
602118	2669407	0.92	< 1	< 0.5	< 1	0.06	3.58	0.4	< 10	32.6	0.35	0.03	0.27	0.07	51.1	12.3	37	0.55	29.6	3.14
602119	2669407	0.72	2	5.5	4	0.41	3.34	1.0	< 10	171.6	0.15	0.50	0.04	0.05	12.75	3.3	135	6.85	163.5	13.65
602120	2669407	0.60	< 1	1.0	< 1	0.19	2.83	< 0.1	< 10	64.8	0.50	0.08	0.23	0.14	39.6	6.6	37	1.75	29.4	3.19
602121	2669407	0.92	< 1	0.5	< 1	0.09	2.44	0.8	< 10	25.0	0.30	0.04	0.18	0.07	42.5	6.4	25	0.65	23.2	2.27
602122	2669407	0.90	< 1	0.5	< 1	0.07	1.31	0.6	< 10	45.4	0.15	0.03	0.37	0.04	50.6	4.8	19	0.65	12.0	1.66
602123	2669407	0.84	3	1.5	4	0.45	3.80	5.5	60	351.4	0.35	0.37	0.11	0.07	32.1	3.0	83	1.85	76.2	10.90
602124	2669407	0.72	< 1	0.5	< 1	0.08	2.23	0.3	< 10	60.2	0.50	0.03	0.27	0.06	47.1	6.2	19	0.85	22.8	2.21
602125	2669407	0.72	< 1	0.5	< 1	0.11	2.69	0.4	< 10	33.8	0.35	0.03	0.19	0.08	44.8	3.7	17	0.60	9.8	2.07
602126	2669407	0.84	< 1	< 0.5	< 1	0.04	1.75	0.6	< 10	27.2	0.15	0.01	0.50	0.05	46.2	8.0	12	0.25	19.0	2.20
602127	2669407	0.82	< 1	0.5	< 1	0.10	2.34	0.3	< 10	47.6	0.45	0.03	0.25	0.04	41.7	4.2	19	0.65	15.4	1.87
602128	2669407	0.82	1	0.5	< 1	0.09	1.51	0.5	< 10	24.8	0.20	0.05	0.14	0.07	24.5	3.9	21	0.50	7.4	2.13
602130	2669407	0.86	1	0.5	1	0.08	4.62	0.9	< 10	45.4	0.45	0.06	0.55	0.14	40.3	22.2	31	0.40	68.9	4.91
602131	2669407	0.90	6	0.5	< 1	0.10	2.38	< 0.1	< 10	54.8	0.30	0.02	0.37	0.04	58.9	7.6	22	0.70	24.4	2.12
602132	2669407	0.78	1	1.5	2	0.11	3.04	0.8	< 10	33.8	0.60	0.06	0.17	0.10	36.9	9.4	37	1.15	67.6	3.75
602133	2669407	0.94	1	0.5	< 1	0.04	3.20	0.3	< 10	55.2	0.20	0.03	0.57	0.06	50.8	20.3	17	0.45	60.1	3.14
602134	2669407	0.76	< 1	< 0.5	< 1	0.11	2.03	0.3	< 10	47.4	0.40	0.04	0.32	0.03	48.4	4.1	20	1.00	11.8	1.94
602135	2669407	0.82	< 1	< 0.5	< 1	0.15	3.65	0.5	< 10	28.6	0.20	0.03	0.37	0.05	40.8	10.2	18	0.45	20.0	2.42
602136	2669407	0.90	2	< 0.5	< 1	0.18	2.05	0.4	< 10	35.6	0.25	0.06	0.20	0.05	38.6	3.4	24	1.20	7.8	2.73
602137	2669407	0.78	6	2.0	20	0.53	2.56	3.4	< 10	143.8	0.25	0.40	0.08	0.04	40.4	3.1	68	2.55	98.4	11.20
602138	2669407	0.72	2	1.5	11	0.96	2.27	2.0	< 10	64.4	0.20	0.45	0.09	0.14	32.7	2.4	70	1.50	98.6	10.95
602139	2669407	0.72	1	1.0	< 1	0.56	2.51	0.5	< 10	194.0	0.35	0.28	0.04	0.16	22.0	3.1	53	1.55	61.9	8.35
602140	2669407	0.64	< 1	0.5	< 1	0.08	6.02	0.7	< 10	27.4	0.55	0.02	0.15	0.10	22.5	5.2	20	0.25	14.0	3.16
602141	2669407	1.12	4	< 0.5	< 1	0.13	2.18	0.4	< 10	25.6	0.25	0.06	0.19	0.01	36.7	2.7	20	0.80	7.2	2.07
602142	2669407	0.74	< 1	< 0.5	< 1	0.19	2.95	< 0.1	< 10	29.4	0.50	0.04	0.13	0.03	38.2	3.7	25	0.65	7.6	2.24
602144	2669407	0.92	1	< 0.5	< 1	0.08	5.93	0.9	< 10	44.4	0.20	0.03	0.73	0.15	43.3	58.1	15	0.25	171.0	5.87

CERTIFICATION:



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Page Nur : 1-B
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 : GGH

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CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Rf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
602101	2669407	7.60	0.10	0.28	0.10	0.040	0.41	22.6	13.7	0.51	125	4.40	0.01	4.50	9.8	1250	10.0	22.2<	0.001	0.18
602102	2669407	5.50	0.05	0.20	0.08	0.020	0.05	18.0	7.8	0.20	90	0.45	0.01	4.10	10.2	1340	9.8	5.0<	0.001	0.02
602104	94139400	2.15	0.05	0.18	0.03	0.035	0.04	42.6	1.7	0.18	195	1.15 <	0.01	3.95	11.8	230	17.0	4.5	0.001	0.01
602105	2669407	4.60	0.05	0.08	0.05	0.005	0.05	17.2	7.5	0.28	95	0.30	0.01	3.95	5.4	1130	4.8	4.5<	0.001	0.01
602106	2669407	6.85	0.05	0.06	0.04	0.005	0.05	19.2	8.6	0.25	85	0.30 <	0.01	4.60	6.2	830	6.6	5.5<	0.001	0.02
602107	2669407	5.15	0.10	0.08	0.07	0.015	0.03	16.6	7.3	0.51	125	0.65	0.02	3.25	34.4	1360	3.6	3.6<	0.001	0.04
602109	2669407	6.90	0.20	0.04	0.05	0.020	0.24	16.0	9.9	0.49	120	3.35	0.01	5.10	8.4	1040	16.0	13.6<	0.001	0.11
602110	9400 225	9.15	0.15	0.06	0.16<	0.005	0.57	8.0	6.1	1.47	410	5.55	0.18	0.15	16.4	1110	7.6	16.3	0.020	1.88
602111	2669407	17.60	0.25	0.04	0.05	0.030	0.22	13.8	10.2	0.64	165	3.25	0.01	9.40	8.4	1330	24.0	13.9<	0.001	0.17
602112	2669407	4.90 <	0.05	0.10	0.05	0.015	0.08	20.4	8.7	0.29	115	0.35	0.01	4.70	7.6	1370	5.8	6.9<	0.001	0.01
602113	2669407	10.10	0.05	0.14	0.08	0.030	0.03	13.0	4.8	0.45	175	1.00	0.03	3.45	30.2	1890	5.4	2.8<	0.001	0.05
602114	2669407	11.15	0.15	0.08	0.13	0.030	0.03	19.0	6.0	0.74	130	1.10	0.07	1.60	35.8	1780	2.6	3.3<	0.001	0.05
602115	2669407	6.55 <	0.05	0.08	0.04	0.015	0.06	16.0	7.4	0.43	135	0.60	0.01	4.70	22.2	1370	8.0	5.7<	0.001	0.03
602116	2669407	9.60	0.05	0.08	0.03	0.010	0.09	17.2	8.1	0.39	150	0.35	0.01	5.15	7.0	1220	6.4	8.1<	0.001	0.01
602117	2669407	7.15 <	0.05	0.10	0.07	0.020	0.11	21.0	11.2	0.40	130	0.40	0.01	5.05	8.4	1180	6.6	9.9<	0.001	0.01
602118	2669407	6.35	0.10	0.06	0.05	0.020	0.07	18.6	15.7	0.66	180	0.65	0.02	4.50	46.8	1260	7.8	6.2<	0.001	0.03
602119	2669407	23.25	0.55 <	0.02	0.05	0.080	1.73	9.0	28.3	1.57	370	15.65	0.02	8.80	6.6	860	10.0	95.1<	0.001	1.09
602120	2669407	9.60	0.05	0.06	0.06	0.020	0.20	18.4	14.5	0.64	160	0.90	0.01	5.95	14.0	1000	12.8	16.2<	0.001	0.03
602121	2669407	9.05	0.05	0.04	0.06	0.020	0.06	19.6	11.0	0.40	100	0.60	0.01	5.25	16.0	750	9.0	6.5<	0.001	0.03
602122	2669407	3.90 <	0.05	0.08	0.01	0.015	0.15	24.6	11.7	0.37	140	0.30	0.01	3.60	9.0	1400	4.4	12.0<	0.001	0.01
602123	2669407	12.75 <	0.05 <	0.02	0.38	0.040	0.62	19.0	21.1	0.62	125	16.00	0.03	8.50	7.2	1220	11.0	28.5	0.001	0.55
602124	2669407	5.95 <	0.05	0.06	0.03	0.015	0.21	23.0	11.9	0.40	130	0.35	0.01	4.25	9.6	1020	6.4	17.7<	0.001	0.01
602125	2669407	5.85	0.05	0.08	0.04	0.015	0.06	21.4	11.0	0.33	110	0.30	0.01	4.60	7.2	1090	5.8	5.4<	0.001	0.01
602126	2669407	3.45	0.05	0.06	0.02	0.015	0.04	21.8	5.8	0.48	120	0.35	0.01	2.35	21.0	2180	3.8	4.1<	0.001	0.01
602127	2669407	4.45	0.05	0.08	0.04	0.020	0.16	20.4	12.2	0.39	120	0.30	0.01	4.05	8.2	1030	4.8	12.8<	0.001	0.01
602128	2669407	9.55	0.05 <	0.02	0.05	0.010	0.06	11.4	6.0	0.31	95	0.65	0.01	3.90	10.0	810	5.8	5.6<	0.001	0.02
602130	2669407	12.00	0.10	0.12	0.10	0.030	0.03	15.4	7.5	1.09	395	1.35	0.04	1.50	64.8	2810	3.8	3.4<	0.001	0.06
602131	2669407	5.05	0.15	0.06	0.04	0.030	0.14	28.0	11.0	0.51	140	0.45	0.03	5.35	26.2	1260	6.4	12.5<	0.001	0.01
602132	2669407	12.25 <	0.05	0.08	0.04	0.020	0.10	15.6	12.6	0.45	140	0.80	0.01	6.05	20.0	760	14.6	9.3<	0.001	0.03
602133	2669407	4.95	0.05	0.08	0.01	0.015	0.08	24.0	9.3	0.88	250	0.40	0.04	2.45	59.0	2320	4.2	7.1<	0.001	0.03
602134	2669407	4.75	0.05	0.06	0.02	0.015	0.14	21.8	11.7	0.30	105	0.60	0.01	4.70	10.0	1270	7.6	12.8<	0.001	0.02
602135	2669407	5.25	0.10	0.04	0.04	0.015	0.05	18.8	8.3	0.52	160	0.50	0.03	3.80	45.2	1450	4.2	4.8<	0.001	0.03
602136	2669407	9.40 <	0.05	0.04	0.05	0.030	0.10	15.0	9.5	0.29	125	0.60	0.01	6.40	7.6	1100	9.6	18.7<	0.001	0.02
602137	2669407	11.50	0.55	0.06	0.05	0.035	1.12	27.2	12.9	0.71	185	8.30	0.02	6.55	5.8	1830	9.2	48.6	0.001	1.08
602138	2669407	13.05	0.40	0.02	0.05	0.045	1.46	16.0	16.6	0.57	130	54.56	0.01	5.50	5.4	1030	18.8	52.6	0.003	1.64
602139	2669407	15.70	0.25 <	0.02	0.05	0.025	0.42	13.6	14.1	0.54	110	10.15 <	0.01	8.10	6.2	1070	12.2	20.7<	0.001	0.29
602140	2669407	7.65	0.05	0.04	0.09	0.015	0.01	10.4	5.2	0.31	75	0.75	0.01	2.55	20.0	1040	4.2	2.2<	0.001	0.05
602141	2669407	7.80 <	0.05	0.06	0.05	0.015	0.08	13.4	7.0	0.22	80	0.55 <	0.01	5.20	6.2	1010	7.0	7.8<	0.001	0.03
602142	2669407	6.85 <	0.05	0.04	0.05	0.015	0.08	17.2	8.1	0.28	95	0.40	0.01	4.70	7.0	950	5.8	8.3<	0.001	0.01
602144	2669407	7.10	0.20	0.14	0.09	0.035	0.04	17.8	9.1	2.46	750	0.70	0.05	1.15	245.0	3700	1/6	3.5<	0.001	0.09

CERTIFICATION: _____



ALS Chemex

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Sparks
89431

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WESTERN MINING CORP.

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80112

Project: QU7

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

Page No: 1-C
Total Pag: 5
Certificate: 20-JUL-2001
Invoice No: I0120467
P.O. Number: MEDWMCQ
Account: GGH

CERTIFICATE OF ANALYSIS

A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
602101	2669407	< 0.05	3.5	0.6	0.6	8.8	0.01	0.11	5.8	0.17	0.18	1.10	82	< 0.05	6.00	34	2.0
602102	2669407	< 0.05	1.4	0.6	0.6	8.0	0.06	0.02	2.6	0.10	0.06	0.90	36	< 0.05	5.65	26	0.5
602104	94139400	0.05	0.4	< 0.2	5.8	26.4	0.01	0.01	12.0	0.06	0.02	2.05	37	< 0.05	27.05	26	3.5
602105	2669407	< 0.05	1.4	0.4	0.6	7.8	0.04	< 0.01	3.8	0.10	0.02	0.60	35	< 0.05	4.60	18	1.5
602106	2669407	< 0.05	2.6	0.6	0.8	6.6	0.05	< 0.01	4.6	0.13	0.06	0.75	39	< 0.05	5.55	24	1.5
602107	2669407	< 0.05	3.0	1.0	0.4	12.4	0.03	0.01	3.0	0.08	0.04	0.60	27	< 0.05	7.45	24	1.0
602109	2669407	< 0.05	3.3	2.2	0.6	9.8	0.05	0.14	6.0	0.17	0.14	0.90	70	< 0.05	4.85	30	1.5
602110	9400 225	0.20	7.6	1.8	0.6	129.0	< 0.01	0.06	1.4	0.17	0.08	0.20	102	< 0.05	9.25	68	0.5
602111	2669407	< 0.05	4.9	1.4	1.6	7.8	0.02	0.17	3.4	0.36	0.10	0.95	185	< 0.05	4.10	40	1.5
602112	2669407	< 0.05	2.2	< 0.2	0.8	9.4	0.03	< 0.01	5.2	0.12	0.06	1.20	46	< 0.05	6.05	24	2.0
602113	2669407	< 0.05	4.3	1.6	0.6	10.6	0.05	< 0.01	2.4	0.10	0.02	0.60	55	< 0.05	6.55	22	2.0
602114	2669407	< 0.05	4.8	2.0	0.6	21.4	0.01	< 0.01	1.8	0.09	0.06	1.25	36	< 0.05	10.05	22	2.0
602115	2669407	< 0.05	2.6	0.6	0.6	8.2	0.02	< 0.01	4.0	0.13	0.06	0.70	48	< 0.05	5.55	28	1.5
602116	2669407	< 0.05	2.9	0.4	0.8	7.8	0.04	0.01	3.8	0.19	0.06	0.70	64	< 0.05	4.40	34	2.0
602117	2669407	< 0.05	3.5	0.6	0.8	8.6	0.03	0.01	4.8	0.16	0.08	0.80	51	< 0.05	5.55	36	2.5
602118	2669407	< 0.05	3.8	0.6	1.0	9.6	0.01	< 0.01	5.4	0.12	0.06	0.65	43	< 0.05	6.95	48	2.0
602119	2669407	< 0.05	7.3	3.6	2.0	7.4	< 0.01	0.44	4.6	0.39	0.68	0.55	303	0.70	0.80	72	1.0
602120	2669407	< 0.05	4.4	0.6	0.8	8.8	0.06	0.07	6.4	0.19	0.14	0.75	71	< 0.05	5.20	50	1.5
602121	2669407	< 0.05	3.6	0.6	0.8	6.8	0.05	< 0.01	6.0	0.14	0.08	0.80	48	< 0.05	5.90	34	2.0
602122	2669407	< 0.05	1.7	0.2	0.6	12.4	0.01	< 0.01	4.0	0.10	0.10	0.90	34	< 0.05	7.10	32	1.5
602123	2669407	0.35	< 0.1	4.4	1.0	6.4	0.03	0.33	10.4	0.31	0.26	1.30	193	< 0.05	3.60	40	0.5
602124	2669407	< 0.05	3.2	0.2	0.8	9.8	0.02	< 0.01	6.4	0.12	0.12	0.75	51	< 0.05	6.45	34	2.0
602125	2669407	< 0.05	2.8	0.4	0.8	8.2	0.04	< 0.01	5.0	0.11	0.06	0.80	38	< 0.05	5.30	22	1.5
602126	2669407	0.05	1.5	0.6	0.2	11.6	0.03	< 0.01	3.6	0.06	0.02	0.55	28	< 0.05	11.50	20	0.5
602127	2669407	< 0.05	2.6	0.6	0.8	8.8	0.03	< 0.01	5.2	0.10	0.12	0.75	36	< 0.05	5.70	26	1.5
602128	2669407	< 0.05	1.0	< 0.2	0.8	7.2	0.01	< 0.01	2.2	0.13	0.04	0.60	46	< 0.05	3.00	18	1.0
602130	2669407	< 0.05	3.3	1.4	1.0	23.4	0.01	0.02	1.4	0.08	0.04	0.45	48	< 0.05	12.60	42	2.0
602131	2669407	< 0.05	2.9	0.4	0.6	13.0	0.02	< 0.01	5.4	0.11	0.12	1.00	33	< 0.05	8.65	30	1.5
602132	2669407	< 0.05	3.6	0.8	1.0	6.8	0.04	< 0.01	7.2	0.21	0.08	0.75	92	< 0.05	3.90	42	2.5
602133	2669407	< 0.05	2.7	0.8	0.4	17.2	0.01	0.03	3.8	0.08	0.08	0.65	35	< 0.05	13.20	32	1.0
602134	2669407	< 0.05	2.0	0.6	0.6	11.0	0.03	0.01	5.4	0.11	0.10	1.30	34	< 0.05	7.10	24	2.0
602135	2669407	< 0.05	3.2	0.6	0.4	13.0	0.03	0.01	4.6	0.09	0.06	0.75	26	< 0.05	7.80	24	1.5
602136	2669407	< 0.05	2.5	0.4	0.8	8.4	0.05	0.02	4.4	0.17	0.10	0.85	56	< 0.05	4.75	30	2.0
602137	2669407	< 0.05	7.0	4.6	0.8	26.4	0.06	0.32	8.0	0.27	0.40	1.45	182	< 0.05	2.45	34	2.0
602138	2669407	< 0.05	6.6	12.6	0.8	7.6	0.02	0.67	17.2	0.30	0.42	0.75	488	< 0.05	2.50	28	1.0
602139	2669407	0.05	3.6	1.0	1.0	7.2	0.04	0.17	5.2	0.34	0.16	0.60	172	< 0.05	1.60	38	1.0
602140	2669407	< 0.05	4.3	1.0	0.4	8.4	0.04	0.02	2.2	0.07	0.02	0.65	29	< 0.05	4.85	14	1.5
602141	2669407	< 0.05	1.3	0.6	0.6	6.6	0.05	0.01	3.2	0.13	0.06	0.90	46	< 0.05	4.05	16	1.5
602142	2669407	< 0.05	2.7	0.6	0.6	6.8	0.04	< 0.01	3.4	0.14	0.06	0.65	48	< 0.05	5.55	22	1.5
602144	2669407	< 0.05	2.6	1.6	0.6	19.6	< 0.01	0.01	1.0	0.08	0.02	0.15	42	< 0.05	19.05	62	1.5

CERTIFICATION: _____



ALS Chemex

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 ENGLEWOOD, COLORADO
 80112

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 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
602145	2669407	1.18	< 1	0.5	< 1	0.17	1.96	0.5	< 10	62.8	0.50	0.08	0.14	0.05	26.6	2.4	27	0.85	14.4	2.89
602146	2669407	0.68	1	< 0.5	< 1	0.24	2.71	0.8	< 10	181.2	0.35	0.10	0.17	0.09	44.0	3.4	37	1.10	49.4	5.11
602147	2669407	0.50	1	0.5	< 1	0.06	1.98	< 0.1	< 10	33.0	0.25	0.04	0.11	0.06	24.3	3.2	17	0.70	5.4	1.92
602148	2669407	0.86	1	0.5	< 1	0.09	3.30	0.5	< 10	41.0	0.70	0.04	0.18	0.06	44.8	5.4	30	0.85	11.2	2.17
602149	2669407	0.82	< 1	0.5	< 1	0.14	2.87	< 0.1	< 10	18.0	0.30	0.04	0.22	0.10	35.0	5.1	24	0.45	13.0	2.86
602150	9400 225	0.10	16	0.5	1	0.44	2.53	4.4	< 10	79.6	0.05	0.06	1.76	0.12	15.80	26.3	20	0.55	376	3.93
602151	2669407	0.90	< 1	< 0.5	< 1	0.05	3.23	0.9	< 10	31.0	0.25	0.03	0.31	0.04	34.7	6.9	18	0.45	15.2	2.20
602152	2669407	0.84	1	0.5	< 1	0.19	2.08	0.4	< 10	27.2	0.35	0.07	0.12	0.07	31.9	2.7	31	0.80	11.6	2.44
602153	2669407	0.64	< 1	0.5	< 1	0.15	1.87	0.6	< 10	28.8	0.30	0.07	0.11	0.04	25.5	3.0	21	0.90	10.8	2.65
602154	2669407	0.88	< 1	0.5	< 1	0.29	2.03	0.2	< 10	117.2	0.45	0.07	0.20	0.07	33.6	3.7	27	1.45	35.0	3.40
602157	2669407	0.70	3	< 0.5	< 1	0.21	2.00	0.5	< 10	48.0	0.25	0.06	0.17	0.04	28.7	4.7	22	1.25	17.2	3.43
602158	2669407	0.68	1	0.5	1	0.06	1.53	0.4	< 10	56.6	0.10	0.04	0.17	0.07	27.6	5.2	21	0.45	13.2	2.19
602159	2669407	0.72	1	< 0.5	1	0.12	9.05	0.5	< 10	23.0	0.25	0.03	0.41	0.09	43.0	21.2	17	0.25	44.6	5.44
602161	2669407	0.94	2	0.5	1	0.03	5.28	0.5	< 10	36.0	0.25	0.04	1.13	0.10	70.9	61.5	32	0.35	135.0	5.60
602162	2669407	0.82	1	0.5	< 1	0.16	1.85	0.1	< 10	26.6	0.35	0.04	0.22	0.05	34.2	3.3	23	0.95	7.4	2.16
602163	2669407	0.74	1	0.5	< 1	0.07	3.67	< 0.1	< 10	40.0	0.25	0.03	0.40	0.10	39.9	11.1	22	0.50	29.0	2.92
602164	2669407	0.80	< 1	0.5	< 1	0.08	1.77	0.1	< 10	23.2	0.25	0.03	0.21	0.06	35.1	3.0	16	0.45	5.6	1.78
602165	2669407	0.88	< 1	< 0.5	< 1	0.06	1.54	0.1	< 10	23.8	0.25	0.04	0.18	0.03	31.4	3.1	16	0.70	5.8	1.64
602166	2669407	0.82	1	0.5	< 1	0.04	3.89	< 0.1	< 10	88.8	0.25	0.03	0.40	0.12	67.5	19.3	29	0.60	65.1	3.98
602167	2669407	0.84	1	1.5	2	0.04	3.55	< 0.1	< 10	9.4	0.05	0.02	0.16	0.01	4.74	0.4	115	0.30	6.0	9.93
602168	2669407	0.66	1	1.0	< 1	0.10	2.45	0.3	< 10	30.4	0.40	0.03	0.23	0.03	36.0	3.0	19	0.60	15.8	2.24
602170	2669407	0.70	< 1	1.0	< 1	0.11	3.31	0.7	< 10	30.4	0.15	0.03	0.20	0.08	20.6	7.3	21	0.40	25.4	3.59
602171	2669407	0.90	< 1	1.0	< 1	0.06	4.69	0.3	< 10	34.8	0.35	0.04	0.29	0.07	38.2	13.8	31	0.55	54.1	3.61
602172	2669407	0.80	2	2.0	9	0.04	3.46	0.1	< 10	36.6	0.05	0.03	0.27	< 0.01	6.18	0.3	108	0.45	8.0	10.15
602173	2669407	1.08	2	32.0	1	0.18	2.40	0.4	< 10	384.0	0.25	0.23	0.34	0.09	39.2	6.0	55	2.25	42.4	6.17
602174	2669407	0.88	< 1	0.5	< 1	0.06	1.84	< 0.1	< 10	21.4	0.45	0.03	0.21	0.06	34.1	2.7	15	0.45	6.2	1.86
602176	2669407	0.64	< 1	0.5	< 1	0.04	6.13	0.4	< 10	17.8	0.10	0.03	0.33	0.08	26.6	7.6	19	0.40	39.0	2.75
602177	2669407	0.60	5	1.0	5	0.80	2.64	0.5	< 10	195.8	0.05	0.55	0.02	0.09	22.3	2.3	96	1.50	78.1	13.10
602178	2669407	1.10	1	0.5	< 1	0.15	2.22	0.3	< 10	58.0	0.45	0.08	0.12	0.05	41.8	3.0	26	1.00	13.0	2.97
602179	2669407	0.90	2	1.5	5	1.22	3.41	1.0	< 10	37.4	0.15	1.20	0.02	0.06	35.1	2.4	84	2.60	130.5	>15.00
602180	2669407	0.74	1	2.0	3	0.24	1.75	0.1	< 10	135.0	0.15	0.16	0.06	0.07	19.55	2.9	59	1.55	36.8	5.34
602181	2669407	0.96	< 1	0.5	< 1	0.05	2.34	0.5	< 10	45.8	0.40	0.04	0.27	0.06	44.6	9.1	24	0.55	25.8	2.76
602182	2669407	0.72	3	< 0.5	4	0.88	1.57	0.8	< 10	109.6	0.30	0.66	0.17	0.04	33.1	2.8	35	1.70	38.2	9.09
602184	2669407	0.88	< 1	0.5	< 1	0.07	2.78	0.4	< 10	29.8	0.60	0.04	0.12	0.06	54.2	4.7	34	0.90	20.2	2.63
602185	2669407	0.84	< 1	0.5	< 1	0.05	2.66	< 0.1	< 10	36.0	0.25	0.03	0.30	0.05	39.7	5.5	22	0.40	22.0	2.06
602186	2669407	0.94	1	0.5	< 1	0.06	1.37	0.2	< 10	19.6	0.30	0.04	0.22	0.06	38.3	2.7	18	0.50	6.8	1.65
602187	2669407	0.80	2	7.5	2	0.64	2.30	0.7	< 10	127.4	0.30	0.37	0.04	0.13	46.7	2.0	41	1.20	77.4	10.35
602188	2669407	0.70	< 1	1.0	< 1	0.14	3.14	0.4	< 10	47.2	0.55	0.11	0.17	0.21	29.5	4.6	35	0.85	42.8	4.10
602189	2669407	0.78	1	0.5	1	0.04	6.35	0.8	< 10	35.6	0.20	0.03	0.29	0.12	37.1	13.1	28	0.35	33.8	4.16
602190	2669407	0.80	1	< 0.5	< 1	0.07	4.06	0.3	< 10	62.4	0.30	0.04	0.42	0.07	55.9	14.4	27	0.70	45.2	3.55

CERTIFICATION: _____



ALS Chemex

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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page No : 2-B
 Total Pag : 5
 Certificate : 20-JUL-2001
 Invoice No. : I0120467
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
602145	2669407	8.95	0.05	0.04	0.06	0.015	0.15	13.8	8.1	0.28	85	2.60	< 0.01	5.75	5.8	790	10.0	9.6<	0.001	0.06
602146	2669407	8.65	0.10	0.02	0.08	0.025	0.23	23.6	12.2	0.41	105	5.95	0.01	4.55	7.6	1230	7.6	10.5<	0.001	0.18
602147	2669407	10.25	< 0.05	0.04	0.03	0.005	0.08	12.4	8.0	0.34	115	0.20	0.01	4.35	5.6	560	6.0	7.8<	0.001	0.01
602148	2669407	8.80	0.05	0.08	0.02	0.020	0.09	20.6	15.5	0.45	140	0.25	0.01	4.75	10.4	750	7.2	9.8<	0.001	0.01
602149	2669407	9.75	< 0.05	< 0.02	0.09	0.020	0.03	13.2	6.6	0.42	115	0.40	0.01	3.85	17.4	1790	7.0	4.1<	0.001	0.03
602150	9400 225	8.55	0.20	< 0.02	0.12	0.005	0.52	7.2	5.3	1.31	375	4.65	0.18	0.05	15.2	920	8.2	14.5	0.019	1.99
602151	2669407	4.75	0.05	0.04	0.04	0.015	0.06	17.2	7.4	0.54	110	0.35	0.02	3.30	33.2	1410	4.6	5.2<	0.001	0.01
602152	2669407	9.30	< 0.05	< 0.02	0.05	0.005	0.06	11.4	8.4	0.25	90	1.20	< 0.01	5.55	7.4	730	10.0	5.2<	0.001	0.03
602153	2669407	8.75	0.05	0.04	0.05	0.015	0.07	10.6	7.5	0.24	85	0.90	0.01	6.65	6.0	580	8.8	7.5<	0.001	0.02
602154	2669407	8.80	< 0.05	< 0.02	0.04	0.015	0.21	16.8	16.1	0.43	120	2.40	0.01	5.30	7.2	1100	8.6	14.8<	0.001	0.10
602157	2669407	10.50	< 0.05	< 0.02	0.07	0.020	0.11	13.2	10.8	0.33	120	1.25	0.01	5.20	7.4	1120	9.0	11.3<	0.001	0.05
602158	2669407	8.25	0.05	0.26	0.05	0.010	0.06	14.0	6.0	0.52	115	0.50	0.03	1.80	12.4	610	5.4	4.7<	0.001	0.03
602159	2669407	8.95	0.10	0.16	0.12	0.035	0.01	18.4	6.1	1.23	370	1.00	0.04	1.30	96.6	3180	2.2	1.6<	0.001	0.10
602161	2669407	7.75	0.25	0.12	0.05	0.030	0.03	26.8	8.6	2.15	630	1.35	0.10	0.80	215.5	4690	2.6	3.0<	0.001	0.06
602162	2669407	4.80	< 0.05	0.08	0.05	0.015	0.07	15.2	13.7	0.28	95	0.50	< 0.01	4.45	8.0	1080	7.6	7.3<	0.001	0.01
602163	2669407	5.70	0.10	0.14	0.06	0.025	0.05	18.6	8.2	0.68	190	0.90	0.03	2.65	50.7	1920	5.0	5.0<	0.001	0.03
602164	2669407	4.70	0.05	0.08	0.03	0.015	0.05	16.0	8.2	0.24	95	0.30	0.01	3.80	6.2	1000	5.4	4.4<	0.001	< 0.01
602165	2669407	6.75	0.10	0.02	0.01	0.010	0.07	13.0	8.7	0.28	100	0.25	0.01	3.55	6.2	940	6.2	8.0<	0.001	0.01
602166	2669407	6.45	0.15	0.08	0.05	0.020	0.03	34.2	11.0	0.93	260	0.75	0.02	1.95	55.3	1550	4.2	5.0<	0.001	0.04
602167	2669407	1.20	< 0.05	< 0.02	< 0.01	< 0.005	0.35	2.6	1.4	0.68	120	1.65	0.01	1.20	1.4	1040	1.4	2.8<	0.001	0.16
602168	2669407	5.45	0.05	0.06	0.05	0.015	0.10	15.4	8.4	0.31	105	0.30	< 0.01	4.05	5.4	1090	6.0	8.0<	0.001	0.02
602170	2669407	9.20	0.05	0.04	0.07	0.015	0.05	10.4	6.9	0.65	200	0.80	0.02	2.65	23.2	1200	4.4	4.2<	0.001	0.04
602171	2669407	10.50	0.05	0.12	0.08	0.025	0.05	17.4	7.5	0.61	200	0.90	0.03	4.50	28.2	1180	8.6	5.0<	0.001	0.04
602172	2669407	1.55	< 0.05	< 0.02	0.01	< 0.005	1.14	5.0	4.9	1.17	260	2.90	0.03	0.50	0.8	2220	1.4	8.1<	0.001	0.85
602173	2669407	10.60	0.20	0.04	0.03	0.025	0.79	18.0	15.5	0.68	175	5.80	0.01	4.50	16.4	2080	11.0	34.4<	0.001	0.61
602174	2669407	4.90	0.05	0.02	0.04	0.010	0.05	15.4	8.0	0.26	90	0.35	< 0.01	3.95	4.8	1130	5.6	4.3<	0.001	0.01
602176	2669407	6.65	0.05	0.06	0.07	0.020	0.03	12.6	6.3	0.63	115	1.00	0.05	2.05	36.4	1730	2.4	2.7<	0.001	0.06
602177	2669407	16.95	0.35	0.06	0.06	0.060	1.18	13.4	17.0	0.91	135	22.25	0.01	11.85	5.6	610	13.4	44.0	0.001	1.05
602178	2669407	8.45	0.05	0.08	0.02	0.025	0.14	18.8	11.0	0.31	90	2.15	0.01	6.15	7.0	630	11.0	10.9<	0.001	0.07
602179	2669407	15.25	0.50	0.04	0.06	0.065	2.55	16.0	27.3	0.72	175	33.00	0.03	8.60	6.4	820	15.4	96.1<	0.001	3.12
602180	2669407	19.85	0.15	0.12	0.01	0.025	0.38	11.8	9.2	0.46	80	7.60	0.01	11.45	8.4	300	15.0	20.9<	0.001	0.21
602181	2669407	4.80	0.10	0.04	0.03	0.015	0.05	18.2	13.6	0.60	155	0.50	0.01	2.70	25.0	1040	7.4	5.8<	0.001	0.01
602182	2669407	8.10	0.20	0.04	0.02	0.055	0.89	15.0	13.3	0.36	100	19.80	0.03	9.45	5.6	1000	8.6	40.2	0.001	1.26
602184	2669407	9.65	0.15	0.06	0.03	0.015	0.07	23.4	11.5	0.42	125	0.60	0.01	4.85	12.4	760	9.0	8.4<	0.001	0.03
602185	2669407	5.45	0.05	0.02	0.05	0.015	0.04	20.0	9.3	0.46	95	0.55	0.02	4.00	25.6	1000	4.8	4.5<	0.001	0.03
602186	2669407	5.15	< 0.05	0.02	0.03	0.005	0.04	15.6	12.2	0.24	95	0.45	< 0.01	3.50	6.4	930	9.6	4.3<	0.001	0.01
602187	2669407	13.90	0.25	0.02	0.09	0.035	0.24	25.6	7.9	0.34	110	30.25	< 0.01	9.75	4.8	880	14.6	15.8<	0.001	0.16
602188	2669407	10.65	0.05	0.08	0.05	0.020	0.07	14.2	10.6	0.35	120	1.20	0.01	7.45	9.2	970	16.2	6.0<	0.001	0.04
602189	2669407	8.25	0.15	0.08	0.10	0.025	0.03	10.2	5.9	0.56	280	0.90	0.01	1.90	44.8	1990	5.4	2.8<	0.001	0.09
602190	2669407	7.05	0.15	0.12	0.04	0.020	0.10	21.2	14.0	0.88	250	0.55	0.04	2.55	51.2	1630	4.5	10.5<	0.001	0.02

CERTIFICATION: _____



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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Nur : 2-C
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Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
602145	2669407	< 0.05	1.6	0.8	0.8	6.6	0.05	< 0.01	5.2	0.18	0.08	1.05	63	< 0.05	3.45	22	2.0
602146	2669407	< 0.05	1.9	1.2	0.6	8.6	0.02	0.05	3.6	0.19	0.10	0.95	81	< 0.05	4.35	28	1.0
602147	2669407	< 0.05	1.9	< 0.2	0.8	6.0	0.03	< 0.01	2.6	0.16	0.08	0.45	46	< 0.05	2.90	28	1.5
602148	2669407	< 0.05	3.4	0.2	0.8	7.4	0.03	0.03	4.0	0.15	0.10	0.75	46	< 0.05	5.95	40	2.0
602149	2669407	< 0.05	1.6	0.2	0.6	7.6	0.02	0.02	1.8	0.11	0.04	0.50	49	< 0.05	4.95	24	0.5
602150	9400 225	0.20	6.7	1.2	0.6	121.7	< 0.01	0.07	1.0	0.15	0.08	0.20	93	< 0.05	7.80	60	< 0.5
602151	2669407	< 0.05	2.1	0.6	0.2	10.8	0.01	< 0.01	3.8	0.09	0.04	0.60	29	< 0.05	7.10	18	1.5
602152	2669407	< 0.05	1.4	0.4	1.0	5.6	0.05	0.01	3.0	0.16	0.06	0.80	63	< 0.05	2.90	20	1.0
602153	2669407	< 0.05	1.6	0.8	0.8	5.6	0.05	< 0.01	3.2	0.18	0.06	0.65	52	< 0.05	3.05	16	1.5
602154	2669407	< 0.05	1.8	0.4	0.8	8.2	0.02	0.09	6.2	0.20	0.12	0.85	69	< 0.05	4.15	30	1.0
602157	2669407	< 0.05	1.5	0.8	1.0	7.2	0.03	< 0.01	2.4	0.17	0.10	0.75	65	< 0.05	4.45	30	1.0
602158	2669407	< 0.05	1.8	0.6	0.8	10.4	0.01	0.03	0.8	0.11	0.04	0.50	45	0.05	3.60	20	0.5
602159	2669407	< 0.05	5.2	1.6	0.2	13.8	< 0.01	0.07	1.6	0.08	0.02	0.45	38	0.05	14.10	40	2.0
602161	2669407	< 0.05	3.8	0.8	0.6	32.0	0.01	0.06	1.0	0.09	0.02	0.20	47	0.05	32.70	52	2.0
602162	2669407	< 0.05	1.9	0.6	0.6	7.2	0.04	0.04	3.6	0.11	0.08	0.75	36	0.10	4.45	24	2.0
602163	2669407	< 0.05	3.1	0.6	0.2	16.6	0.02	0.02	2.4	0.08	0.06	0.65	35	< 0.05	9.45	32	1.5
602164	2669407	< 0.05	2.1	0.2	0.6	9.4	0.04	< 0.01	3.2	0.10	0.06	0.60	36	0.10	4.65	22	1.5
602165	2669407	< 0.05	1.8	0.2	0.6	7.8	0.03	0.02	2.4	0.12	0.06	0.55	36	< 0.05	3.70	22	0.5
602166	2669407	< 0.05	2.9	0.6	0.6	18.0	0.01	0.01	1.6	0.08	0.06	1.15	42	< 0.05	13.95	42	0.5
602167	2669407	< 0.05	0.6	< 0.2	< 0.2	0.6	0.01	< 0.01	1.4	0.50	0.02	0.10	325	< 0.05	0.60	48	< 0.5
602168	2669407	< 0.05	2.3	0.8	0.8	8.8	0.04	0.01	3.0	0.11	0.08	0.65	44	0.10	4.60	22	1.5
602170	2669407	< 0.05	1.9	0.8	0.4	8.4	0.01	0.05	1.0	0.09	0.04	0.45	41	< 0.05	3.95	38	0.5
602171	2669407	< 0.05	3.7	1.2	0.6	11.4	0.03	0.05	3.6	0.13	0.08	0.80	51	< 0.05	8.35	36	2.0
602172	2669407	< 0.05	0.4	0.6	< 0.2	2.4	< 0.01	0.05	1.8	0.32	0.06	0.15	297	< 0.05	0.85	54	< 0.5
602173	2669407	< 0.05	5.1	1.2	0.8	9.4	0.01	0.18	2.6	0.21	0.24	0.60	132	0.10	7.25	44	1.5
602174	2669407	< 0.05	1.8	0.4	0.6	7.8	0.03	0.01	2.6	0.10	0.04	0.55	34	0.05	4.60	18	1.0
602176	2669407	< 0.05	3.5	1.2	0.2	13.4	0.01	0.05	2.2	0.07	0.02	0.60	24	< 0.05	7.35	22	1.5
602177	2669407	< 0.05	11.5	2.6	1.0	5.6	0.04	0.37	8.2	0.47	0.34	0.65	320	0.10	1.85	42	1.5
602178	2669407	< 0.05	2.8	0.6	0.8	7.6	0.04	0.03	7.2	0.19	0.12	0.85	58	0.10	4.55	26	2.5
602179	2669407	< 0.05	6.8	6.2	1.0	7.2	0.04	0.62	13.0	0.41	0.82	0.65	241	0.10	1.50	34	1.5
602180	2669407	< 0.05	3.1	1.6	1.6	7.6	0.04	0.10	10.4	0.37	0.16	0.80	156	0.20	1.65	28	3.0
602181	2669407	< 0.05	3.1	0.2	0.4	9.0	0.03	0.01	3.8	0.10	0.06	0.55	38	0.05	6.70	36	1.0
602182	2669407	< 0.05	3.4	3.6	1.2	9.2	0.07	0.12	5.4	0.26	0.54	0.70	268	0.20	3.80	34	2.0
602184	2669407	< 0.05	2.4	1.2	0.8	5.6	0.04	0.04	3.0	0.16	0.10	0.65	52	0.05	3.60	40	1.0
602185	2669407	< 0.05	2.0	0.6	0.4	11.8	0.03	< 0.01	2.4	0.09	0.08	0.85	27	< 0.05	6.55	26	0.5
602186	2669407	< 0.05	1.3	0.4	0.6	7.4	0.04	0.03	2.8	0.09	0.04	0.85	33	0.05	4.95	26	1.0
602187	2669407	< 0.05	2.7	1.4	1.0	6.0	0.03	0.25	20.4	0.42	0.14	0.80	248	0.10	1.85	32	1.5
602188	2669407	< 0.05	4.2	1.0	0.8	7.4	0.13	0.12	3.6	0.24	0.06	0.70	129	0.05	4.70	56	2.0
602189	2669407	< 0.05	3.0	1.6	0.2	14.6	0.03	0.05	2.2	0.07	0.04	0.50	29	< 0.05	6.05	36	2.0
602190	2669407	< 0.05	4.0	0.8	0.4	16.0	0.01	0.04	3.2	0.10	0.10	0.60	37	< 0.05	13.50	32	2.0

CERTIFICATION: *[Signature]*



ALS Chemex

Chemex Labs, Inc.
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WESTERN MINING CORP.

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Page No. : 3-A
 Total Pages : 5
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Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
602191	2669407	1.08	5	2.0	2	0.61	2.21	0.7	< 10	75.2	0.15	0.48	0.05	0.05	20.9	2.6	129	2.95	76.1	11.60
602192	2669407	0.88	< 1	0.5	< 1	0.04	1.49	< 0.1	< 10	24.8	0.10	0.01	0.47	0.04	41.0	7.1	12	0.30	16.0	2.02
602193	2669407	0.94	< 1	0.5	< 1	0.05	1.86	0.2	< 10	35.0	0.25	0.02	0.30	0.06	38.1	7.1	18	0.40	25.8	1.94
602194	9400 225	0.12	12	0.5	1	0.33	2.38	2.8	< 10	69.0	0.05	0.06	1.68	0.10	15.00	22.6	19	0.55	366	3.75
602195	2669407	1.24	2	1.0	5	0.88	2.41	1.4	< 10	60.0	0.15	0.54	0.04	0.03	28.4	3.0	64	2.65	64.7	13.55
602197	2669407	0.68	< 1	1.0	1	0.08	2.59	0.4	< 10	47.2	0.40	0.12	0.14	0.13	24.8	5.7	37	1.45	24.0	3.69
602198	2669407	0.82	1	< 0.5	< 1	0.07	1.30	0.1	< 10	43.0	0.20	0.03	0.24	0.05	33.7	3.5	18	0.65	9.4	1.70
602200	2669407	0.68	< 1	0.5	< 1	0.05	1.52	0.5	< 10	21.0	0.20	0.05	0.09	0.05	26.3	2.1	18	0.55	6.8	2.01
609602	2669407	0.78	< 1	0.5	< 1	0.08	2.48	0.1	< 10	58.8	0.60	0.08	0.31	0.02	57.3	4.4	25	1.25	8.0	2.49
609603	2669407	0.78	< 1	1.5	2	0.20	2.26	0.5	< 10	153.6	0.45	0.04	0.71	0.07	77.2	24.9	21	0.85	66.7	3.50
609604	2669407	0.80	< 1	1.0	1	0.12	2.95	0.4	< 10	54.4	2.15	0.05	0.18	0.16	41.5	12.0	48	0.70	47.6	3.91
609605	2669407	0.76	< 1	0.5	< 1	0.06	4.28	0.1	< 10	32.6	0.30	0.04	0.31	0.08	40.3	17.5	29	0.55	68.7	3.78
609606	2669407	0.72	< 1	0.5	< 1	0.08	1.55	0.1	< 10	69.4	0.10	0.07	0.23	0.05	54.4	4.5	24	1.45	14.6	1.75
609607	2669407	0.82	< 1	4.0	1	0.08	1.39	< 0.1	< 10	90.4	0.35	0.06	0.42	0.06	57.4	4.7	21	1.45	9.0	1.63
609608	2669407	0.90	2	6.0	9	0.15	5.82	0.3	< 10	65.4	0.45	0.05	0.70	0.11	49.1	43.7	43	1.30	341	5.67
609609	2669407	0.82	< 1	0.5	< 1	0.10	2.68	0.2	< 10	20.2	0.20	0.04	0.15	0.06	26.9	2.6	24	0.40	9.2	2.37
609610	2669407	0.50	1	0.5	< 1	0.25	3.65	1.6	< 10	216.4	0.40	0.12	1.05	0.38	133.5	21.6	38	2.75	49.2	3.41
609612	2669407	0.82	< 1	< 0.5	< 1	0.08	2.32	0.5	< 10	18.4	0.25	0.03	0.25	0.06	37.6	5.2	16	0.40	22.6	2.21
609613	2669407	0.74	< 1	0.5	< 1	0.09	3.52	0.4	< 10	35.2	0.35	0.04	0.11	0.10	29.8	4.9	37	0.65	18.6	3.16
609614	2669407	0.52	< 1	0.5	< 1	0.05	1.92	0.2	< 10	114.0	0.30	0.07	0.29	0.04	53.3	6.3	26	1.70	11.0	2.30
609615	9400 225	0.12	8	2.5	1	0.42	2.62	5.5	< 10	71.2	0.10	0.09	1.94	0.15	17.30	26.9	20	0.60	421	4.42
609618	2669407	1.08	< 1	1.0	< 1	0.08	1.66	< 0.1	< 10	42.2	0.35	0.05	0.45	0.03	57.0	2.9	18	0.70	5.6	1.85
609619	2669407	0.82	1	1.5	< 1	0.07	2.61	0.3	< 10	35.6	0.10	0.04	0.11	0.10	25.0	4.2	25	0.35	121.5	2.82
609620	2669407	0.82	< 1	0.5	< 1	0.06	3.39	< 0.1	< 10	27.8	0.05	0.01	0.45	0.05	32.7	9.1	16	0.30	33.8	2.51
609621	2669407	0.82	1	1.0	< 1	0.06	3.05	< 0.1	< 10	17.2	0.30	0.04	0.12	0.05	28.1	4.3	25	0.40	27.4	2.62
609622	2669407	0.90	< 1	3.0	< 1	0.07	2.54	0.5	< 10	16.8	0.55	0.08	0.09	0.06	28.9	10.0	573	0.40	13.2	3.39
609623	2669407	0.78	< 1	0.5	< 1	0.04	4.33	0.1	< 10	29.0	0.20	0.03	0.26	0.07	33.2	7.2	22	0.45	23.6	3.18
609625	2669407	0.82	< 1	0.5	< 1	0.06	1.43	< 0.1	< 10	60.0	0.45	0.05	0.32	0.04	60.1	6.3	31	1.20	16.4	1.93
609628	2669407	0.90	1	0.5	< 1	0.28	2.78	0.4	< 10	151.0	0.35	0.11	0.18	0.04	41.1	2.7	40	1.15	22.2	4.70
609629	2669407	0.84	1	< 0.5	< 1	0.06	1.32	0.2	< 10	85.6	0.25	0.06	0.49	0.09	73.6	5.9	24	1.05	9.2	2.23
609631	2669407	0.90	< 1	0.5	1	0.04	3.08	0.3	< 10	37.4	0.20	0.04	0.31	0.06	39.0	7.7	28	0.50	25.8	2.61
609632	2669407	0.90	< 1	0.5	< 1	0.11	2.44	< 0.1	< 10	45.4	0.35	0.04	0.34	0.06	52.2	4.0	20	0.80	8.4	2.09
609633	2669407	1.06	< 1	0.5	< 1	0.10	1.31	< 0.1	< 10	70.2	0.35	0.08	0.47	0.05	65.6	4.7	19	1.15	8.4	1.97
609634	2669407	0.80	< 1	0.5	< 1	0.10	2.11	0.4	< 10	55.8	0.60	0.08	0.35	0.06	41.8	4.2	21	1.25	7.6	2.17
609635	2669407	0.98	< 1	< 0.5	< 1	0.06	3.52	< 0.1	< 10	21.4	0.20	0.03	0.25	0.08	38.2	10.2	20	0.50	22.4	3.01
609636	2669407	0.96	< 1	1.0	< 1	0.10	2.54	0.3	< 10	27.2	0.25	0.06	0.17	0.06	28.1	25.6	12	0.45	56.9	6.21
609637	2669407	0.84	2	0.5	< 1	0.05	1.86	< 0.1	< 10	28.6	0.15	0.03	0.26	0.08	29.8	6.4	22	0.40	21.8	2.11
609638	2669407	1.12	< 1	0.5	< 1	0.06	1.52	< 0.1	< 10	41.4	0.40	0.06	0.30	0.04	62.5	3.4	17	0.80	8.0	1.69
609639	2669407	0.88	< 1	0.5	< 1	0.05	2.45	0.1	< 10	31.2	0.05	0.02	0.30	0.08	51.0	4.7	22	0.55	18.0	1.81
609641	2669407	0.74	< 1	< 0.5	< 1	0.05	1.97	0.2	< 10	21.8	0.20	0.03	0.29	0.08	33.8	3.7	14	0.40	11.2	1.70

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
602191	2669407	15.75	0.30	< 0.02	0.04	0.045	1.56	14.0	15.4	0.84	150	23.20	0.01	7.35	5.4	1170	12.2	73.5	0.003	1.62
602192	2669407	2.75	0.05	0.08	0.01	0.010	0.05	18.0	5.9	0.47	120	0.35	0.01	1.95	20.0	1880	3.8	4.1	< 0.001	0.01
602193	2669407	3.65	< 0.05	0.06	0.02	0.015	0.08	15.8	8.3	0.48	125	0.50	0.01	4.10	27.6	1180	4.2	7.2	< 0.001	0.02
602194	9400 225	7.40	0.15	0.02	0.20	0.005	0.50	6.4	5.2	1.25	360	4.25	0.17	0.10	14.0	840	20.4	13.7	0.013	1.88
602195	2669407	11.80	0.45	0.04	0.05	0.075	1.42	14.8	16.7	0.75	135	27.95	0.03	6.00	7.0	710	10.0	49.4	< 0.001	1.73
602197	2669407	9.95	0.10	0.06	0.04	0.020	0.15	11.4	11.9	0.54	155	1.45	0.01	4.85	12.6	700	36.0	12.6	< 0.001	0.03
602198	2669407	6.10	0.05	< 0.02	0.01	0.010	0.14	16.6	10.4	0.34	125	0.35	0.01	3.50	7.0	960	5.0	11.6	< 0.001	0.01
602200	2669407	8.20	0.05	0.02	0.01	0.015	0.04	11.2	4.9	0.17	75	0.50	< 0.01	5.05	5.2	520	8.2	5.2	< 0.001	0.01
609602	2669407	7.60	0.05	0.06	0.05	0.020	0.18	26.8	13.2	0.40	150	0.70	0.01	5.40	7.2	1210	9.4	16.4	< 0.001	0.03
609603	2669407	4.90	0.05	0.02	0.06	0.015	0.13	48.2	10.6	0.64	575	1.75	0.01	1.70	59.4	1730	6.0	13.4	< 0.001	0.11
609604	2669407	10.85	0.05	0.06	0.05	0.025	0.17	28.2	10.9	0.59	255	1.65	0.03	4.00	24.8	960	10.8	12.3	< 0.001	0.05
609605	2669407	11.75	0.15	0.08	0.05	0.030	0.05	18.2	7.6	0.67	245	0.80	0.02	4.20	30.6	1250	8.8	4.8	< 0.001	0.04
609606	2669407	7.25	0.10	0.08	0.03	0.015	0.21	25.4	11.6	0.40	120	0.45	0.01	3.70	12.6	760	9.8	22.3	< 0.001	0.03
609607	2669407	6.10	0.10	0.02	< 0.01	0.020	0.24	29.0	15.4	0.43	130	0.35	0.01	3.70	9.8	1220	7.4	24.4	< 0.001	0.01
609608	2669407	7.95	0.15	0.08	0.04	0.030	0.10	23.2	20.6	1.37	285	1.20	0.06	1.95	506.0	1980	16.8	14.3	< 0.001	0.05
609609	2669407	8.00	0.05	0.02	0.04	0.015	0.04	12.4	5.7	0.26	75	0.55	0.01	4.10	8.6	790	6.6	4.1	< 0.001	0.03
609610	2669407	16.45	0.20	0.08	0.04	0.035	0.50	64.8	30.2	1.25	230	0.85	0.01	4.95	25.0	4100	15.6	41.7	< 0.001	0.14
609612	2669407	4.50	0.05	0.06	0.03	0.005	0.04	15.6	7.2	0.30	100	0.40	0.01	2.80	19.4	1070	5.0	3.6	< 0.001	0.02
609613	2669407	8.75	0.05	0.08	0.05	0.020	0.07	12.8	10.4	0.43	100	0.70	0.01	5.15	14.2	560	10.2	6.7	< 0.001	0.02
609614	2669407	7.80	0.05	0.04	0.04	0.015	0.22	27.6	20.5	0.57	165	0.50	0.01	4.30	13.2	850	9.4	23.4	< 0.001	0.04
609615	9400 225	8.50	0.20	0.02	0.37	0.010	0.54	7.6	6.6	1.52	420	6.40	0.18	0.15	16.0	960	19.4	15.6	0.019	2.15
609618	2669407	4.55	0.05	0.06	0.02	0.010	0.12	27.8	8.1	0.27	105	0.45	< 0.01	4.80	4.8	1690	7.4	11.0	< 0.001	0.01
609619	2669407	8.95	< 0.05	< 0.02	0.04	0.020	0.03	12.2	3.5	0.24	85	0.70	0.01	2.05	16.8	770	5.0	3.4	< 0.001	0.03
609620	2669407	4.70	< 0.05	0.06	0.04	0.020	0.02	15.2	7.9	0.76	155	0.30	0.04	2.45	52.7	1510	3.8	2.2	< 0.001	0.02
609621	2669407	8.60	< 0.05	0.04	0.07	0.020	0.03	13.0	6.4	0.34	75	0.60	< 0.01	4.25	10.8	550	7.4	3.5	< 0.001	0.02
609622	2669407	7.70	0.05	0.06	0.03	0.015	0.01	14.8	12.6	2.08	100	0.85	< 0.01	3.55	48.0	330	8.4	2.2	< 0.001	0.01
609623	2669407	8.55	< 0.05	0.06	0.04	0.015	0.03	13.8	7.2	0.54	130	0.60	0.03	3.40	41.0	1440	4.8	3.3	< 0.001	0.03
609625	2669407	4.95	0.05	0.10	< 0.01	0.015	0.19	32.8	23.2	0.50	165	1.60	0.01	4.55	16.8	1020	13.6	18.9	< 0.001	< 0.01
609628	2669407	8.95	0.10	0.06	0.08	0.030	0.45	18.0	13.9	0.48	115	2.50	< 0.01	7.70	6.6	1150	11.2	21.2	< 0.001	0.37
609629	2669407	4.70	0.05	0.02	0.01	0.005	0.27	35.2	15.7	0.51	190	0.65	< 0.01	3.55	7.8	1760	7.4	23.8	< 0.001	0.08
609631	2669407	5.50	0.10	0.08	0.02	0.010	0.07	18.4	9.6	0.45	120	0.50	0.01	4.15	28.8	1120	6.4	7.1	< 0.001	0.01
609632	2669407	4.85	0.05	0.06	0.05	0.005	0.12	20.2	9.6	0.31	130	0.65	< 0.01	4.90	9.0	1240	7.6	12.8	< 0.001	0.02
609633	2669407	5.55	0.10	0.02	< 0.01	0.020	0.22	33.4	12.8	0.44	165	0.45	0.01	4.70	8.0	1410	8.2	19.9	< 0.001	0.01
609634	2669407	6.65	0.05	0.08	0.02	0.010	0.15	21.0	12.7	0.37	130	0.60	0.01	5.50	7.4	1200	9.0	14.6	< 0.001	0.01
609635	2669407	5.50	0.05	0.10	0.07	0.015	0.05	15.6	8.1	0.60	170	0.60	0.01	3.95	34.8	1370	6.4	5.2	< 0.001	0.02
609636	2669407	8.10	0.05	0.02	0.03	0.020	0.02	13.0	5.9	0.99	380	0.55	< 0.01	2.60	54.6	1170	9.0	2.6	< 0.001	0.02
609637	2669407	5.05	0.05	< 0.02	0.03	0.005	0.04	14.6	10.9	0.49	105	0.35	0.01	3.70	31.6	800	5.6	4.5	< 0.001	0.01
609638	2669407	4.95	0.05	0.06	0.04	0.015	0.11	35.6	10.5	0.28	100	0.40	< 0.01	4.15	6.8	1030	7.4	10.1	< 0.001	0.01
609639	2669407	3.75	0.05	0.04	0.03	0.015	0.07	25.2	6.8	0.41	85	0.60	< 0.01	3.15	19.4	1200	5.4	6.5	< 0.001	0.04
609641	2669407	3.50	< 0.05	0.02	0.03	0.005	0.04	16.2	7.4	0.33	85	0.35	< 0.01	3.30	17.0	1120	4.4	4.1	< 0.001	0.01

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS

A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
602191	2669407	< 0.05	4.5	5.0	0.8	14.8	0.04	0.25	9.6	0.31	0.56	0.50	240	0.20	1.25	38	1.5
602192	2669407	< 0.05	1.6	0.2	0.2	10.4	0.02	0.04	3.0	0.06	0.04	0.55	25	< 0.05	10.00	22	1.0
602193	2669407	< 0.05	1.8	0.6	0.2	10.4	0.01	0.01	2.8	0.08	0.06	0.60	25	< 0.05	6.90	28	1.0
602194	9400 225	0.15	6.5	1.2	0.4	116.6	< 0.01	0.08	1.0	0.14	0.08	0.20	84	< 0.05	7.40	66	0.5
602195	2669407	< 0.05	5.2	3.2	2.6	9.2	0.03	0.13	12.2	0.29	0.44	0.60	239	0.15	1.20	40	2.5
602197	2669407	< 0.05	3.3	0.8	0.8	5.4	0.04	0.05	5.4	0.21	0.10	0.85	82	0.10	3.10	58	2.0
602198	2669407	< 0.05	1.8	0.2	0.6	9.0	< 0.01	0.02	2.8	0.12	0.10	0.60	37	< 0.05	4.80	36	1.5
602200	2669407	< 0.05	1.7	0.6	1.0	5.0	0.05	0.03	4.0	0.14	0.06	0.55	42	0.65	2.65	14	1.5
609602	2669407	< 0.05	2.2	0.2	0.8	14.6	0.01	0.02	3.8	0.16	0.14	1.20	49	0.15	6.30	32	2.0
609603	2669407	< 0.05	1.4	1.8	0.4	46.0	0.01	0.07	1.2	0.04	0.14	2.20	41	0.05	12.65	32	< 0.5
609604	2669407	< 0.05	3.3	0.8	0.6	11.4	0.02	0.05	2.0	0.14	0.10	2.20	71	0.05	6.70	52	0.5
609605	2669407	< 0.05	3.8	1.0	0.6	11.4	0.04	0.01	4.4	0.14	0.10	0.70	52	0.05	9.60	38	2.0
609606	2669407	< 0.05	1.8	0.2	1.0	11.2	< 0.01	0.01	1.6	0.13	0.14	1.50	34	0.10	5.85	32	1.5
609607	2669407	< 0.05	2.5	0.2	0.8	18.2	< 0.01	< 0.01	4.6	0.14	0.20	1.35	34	0.10	7.35	36	1.5
609608	2669407	< 0.05	4.2	1.6	0.6	31.8	< 0.01	0.10	3.6	0.10	0.22	0.75	51	< 0.05	12.10	74	2.5
609609	2669407	< 0.05	2.4	0.4	0.6	6.8	0.04	0.04	2.6	0.11	0.06	0.65	33	< 0.05	3.45	14	1.5
609610	2669407	< 0.05	5.4	0.6	1.8	37.2	< 0.01	0.08	10.4	0.36	0.54	2.15	102	0.05	15.50	106	3.0
609612	2669407	< 0.05	2.0	0.6	0.2	7.6	0.03	0.01	2.6	0.07	0.06	0.75	22	0.20	5.75	16	1.5
609613	2669407	< 0.05	3.7	0.8	0.6	6.0	0.03	0.05	5.2	0.16	0.08	0.60	50	< 0.05	4.10	26	2.0
609614	2669407	< 0.05	2.4	0.4	1.0	18.2	< 0.01	0.01	2.8	0.15	0.22	1.55	37	0.10	6.15	34	1.5
609615	9400 225	0.25	7.9	1.4	0.6	132.7	< 0.01	0.08	1.2	0.16	0.08	0.20	90	< 0.05	8.60	58	0.5
609618	2669407	< 0.05	1.9	0.2	0.6	17.6	0.03	0.05	4.0	0.12	0.10	1.10	35	0.15	8.00	18	2.0
609619	2669407	< 0.05	1.9	0.8	0.6	8.0	0.02	0.01	1.0	0.08	0.04	0.45	38	< 0.05	5.20	10	0.5
609620	2669407	< 0.05	2.8	0.8	0.2	17.8	0.03	0.05	3.0	0.06	0.02	0.50	22	< 0.05	8.45	20	1.5
609621	2669407	< 0.05	3.5	0.4	0.6	5.0	0.04	0.02	4.6	0.15	0.06	0.55	48	0.10	3.65	18	1.5
609622	2669407	< 0.05	2.9	0.8	0.6	5.2	0.04	0.08	4.8	0.15	0.06	0.90	53	0.05	3.35	18	2.0
609623	2669407	< 0.05	3.2	0.6	0.4	12.2	0.04	0.02	3.8	0.10	0.04	0.55	30	< 0.05	6.05	14	2.0
609625	2669407	< 0.05	2.8	0.2	0.6	10.8	0.01	0.03	7.2	0.13	0.18	3.55	34	0.15	9.45	40	3.5
609628	2669407	< 0.05	3.4	0.8	0.6	8.6	0.06	0.07	4.6	0.19	0.18	1.25	76	0.05	4.25	24	1.5
609629	2669407	< 0.05	2.4	0.6	0.6	19.0	< 0.01	0.03	6.4	0.15	0.20	1.15	48	0.10	8.00	32	2.0
609631	2669407	< 0.05	3.9	1.0	0.4	11.0	0.04	0.06	4.8	0.10	0.08	0.70	40	0.05	7.40	26	2.0
609632	2669407	< 0.05	2.1	0.6	0.6	13.6	0.04	< 0.01	4.4	0.11	0.12	1.10	35	0.30	6.60	18	2.0
609633	2669407	< 0.05	2.3	0.2	0.8	21.0	< 0.01	0.05	4.6	0.16	0.14	1.30	38	0.15	7.45	28	2.0
609634	2669407	< 0.05	2.3	0.8	0.8	16.4	0.04	0.03	4.8	0.16	0.14	1.50	39	0.15	6.35	26	2.5
609635	2669407	< 0.05	3.3	0.6	0.6	8.4	0.03	0.01	4.6	0.11	0.04	0.75	32	0.05	8.05	24	2.0
609636	2669407	< 0.05	3.2	1.0	0.6	8.6	0.01	0.04	2.8	0.13	0.06	0.45	38	< 0.05	7.75	26	1.5
609637	2669407	< 0.05	2.4	0.4	0.4	11.8	0.01	< 0.01	2.4	0.10	0.08	0.60	29	< 0.05	5.25	20	1.5
609638	2669407	< 0.05	1.7	0.2	0.8	16.8	0.01	0.09	2.6	0.12	0.10	1.65	29	0.25	7.45	20	1.5
609639	2669407	< 0.05	1.6	0.8	0.2	10.8	0.03	0.01	2.6	0.06	0.08	1.55	20	< 0.05	8.05	16	0.5
609641	2669407	< 0.05	1.8	0.6	0.2	10.0	0.04	0.09	3.0	0.07	0.06	0.80	20	< 0.05	5.80	14	1.0

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
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WESTERN MINING CORP.

308 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page No: 4-A
 Total Pag: 10-JUL-2001
 Certificate No: A0120467
 Invoice No: :10120467
 P.O. Number :MEDWMCQ7
 Account :GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
609643	2669407	1.22	< 1	0.5	1	0.14	2.61	0.1	< 10	81.0	0.45	0.12	0.26	0.09	48.2	3.4	31	1.30	22.4	4.12
609644	2669407	0.86	< 1	0.5	1	0.11	5.42	1.2	< 10	22.6	0.15	0.04	0.26	0.06	19.90	10.0	25	0.50	28.8	4.13
609646	2669407	0.70	< 1	0.5	1	0.06	3.30	0.1	< 10	19.8	0.35	0.04	0.21	0.05	35.3	3.5	27	0.45	21.0	2.45
609647	2669407	0.66	< 1	< 0.5	< 1	0.14	2.56	0.2	< 10	26.6	0.30	0.04	0.23	0.04	46.6	3.5	27	0.75	9.0	1.78
609648	2669407	0.70	< 1	0.5	2	0.37	1.16	0.6	< 10	94.4	0.15	0.20	0.10	0.05	20.3	2.3	19	0.65	17.4	3.39
609649	2669407	0.88	< 1	0.5	< 1	0.05	1.45	0.1	< 10	41.8	0.35	0.03	0.36	0.10	35.6	7.3	18	0.60	27.2	1.94
609651	2669407	1.02	< 1	0.5	< 1	0.03	1.43	0.2	< 10	130.2	0.35	0.08	0.58	0.02	93.0	7.1	24	1.50	13.6	2.19
609652	2669407	0.84	< 1	0.5	< 1	0.10	2.98	0.4	< 10	80.0	0.70	0.08	0.14	0.07	53.9	9.9	47	1.10	23.0	4.38
609653	2669407	1.04	1	0.5	< 1	0.06	1.57	< 0.1	< 10	53.2	0.30	0.06	0.48	0.06	69.9	4.2	18	0.90	7.2	1.99
609654	2669407	0.64	< 1	0.5	< 1	0.07	2.78	0.7	< 10	29.8	0.10	0.05	0.28	0.06	21.4	8.2	17	0.45	26.6	3.38
609655	2669407	0.96	< 1	0.5	< 1	0.06	1.58	0.4	< 10	30.8	0.30	0.04	0.31	0.03	39.9	2.6	13	0.60	4.6	1.49
609656	2669407	0.82	< 1	0.5	< 1	0.10	1.94	0.1	< 10	92.0	0.45	0.06	0.37	0.03	64.9	6.3	24	1.75	10.0	2.49
609657	2669407	0.94	2	0.5	< 1	0.03	3.61	0.4	< 10	45.2	0.35	0.04	0.41	0.07	50.0	28.2	38	0.60	86.4	5.02
609658	2669407	1.08	< 1	0.5	< 1	0.10	1.43	< 0.1	< 10	75.4	0.25	0.08	0.35	0.04	65.2	5.4	20	1.55	9.0	2.11
609659	2669407	0.80	< 1	0.5	< 1	0.05	2.24	0.4	< 10	24.4	0.40	0.03	0.17	0.10	30.6	2.6	17	0.40	9.4	1.90
609660	2669407	1.10	2	0.5	< 1	0.09	1.74	< 0.1	< 10	88.4	0.40	0.11	0.51	0.02	82.7	6.4	23	1.55	12.6	2.36
609662	9400 225	0.14	19	0.5	1	0.49	2.65	3.3	< 10	73.6	0.15	0.06	1.91	0.19	17.00	25.8	19	0.60	407	4.23
609663	2669407	1.08	< 1	0.5	< 1	0.07	1.28	0.3	< 10	61.2	0.30	0.07	0.44	0.04	68.5	4.0	16	0.95	6.6	1.72
609664	2669407	0.50	< 1	0.5	< 1	0.17	1.71	0.1	< 10	110.2	0.35	0.07	0.23	0.01	45.0	4.9	24	2.10	10.4	1.93
609666	2669407	0.80	1	0.5	1	0.04	1.90	0.3	< 10	183.6	0.30	0.03	0.44	0.11	53.3	80.0	32	0.55	120.5	>15.00
609667	2669407	0.46	2	5.0	5	0.05	0.77	0.3	< 10	93.2	0.10	0.01	0.14	0.02	22.0	4.4	34	0.40	8.4	1.22
609668	2669407	0.94	1	0.5	< 1	0.07	1.49	< 0.1	< 10	41.6	0.25	0.09	0.31	0.04	57.3	3.8	20	0.95	7.2	2.27
609669	2669407	0.78	1	1.0	< 1	0.04	3.89	0.2	< 10	41.8	0.20	0.03	0.40	0.13	30.4	10.3	20	0.25	30.4	3.57
609670	2669407	0.98	< 1	0.5	< 1	0.08	1.72	0.3	< 10	31.6	0.05	0.01	0.34	0.05	46.9	6.1	16	0.40	18.4	1.82
609673	2669407	0.88	< 1	0.5	< 1	0.06	4.02	0.3	< 10	25.8	0.40	0.04	0.18	0.05	35.9	13.1	34	1.00	49.8	6.76
609675	2669407	0.92	< 1	0.5	< 1	0.08	1.90	0.4	< 10	51.8	0.45	0.08	0.33	0.05	51.5	4.2	19	1.05	9.4	1.85
609679	2669407	1.06	< 1	< 0.5	< 1	0.06	1.36	0.7	< 10	50.8	0.30	0.06	0.39	0.04	64.4	3.5	14	0.80	6.0	1.48
609680	2669407	1.04	< 1	< 0.5	< 1	0.06	1.70	0.5	< 10	103.4	0.35	0.09	0.48	0.05	72.8	6.0	22	1.80	11.4	2.41
609681	2669407	0.98	< 1	< 0.5	< 1	0.04	1.63	0.4	< 10	93.0	0.30	0.05	0.50	0.04	65.7	7.3	21	1.25	7.6	2.17
609683	2669407	0.82	< 1	0.5	< 1	0.09	2.50	0.1	< 10	30.4	0.30	0.04	0.19	0.05	41.2	5.3	23	0.70	9.6	2.27
609685	2669407	0.68	< 1	0.5	< 1	0.10	3.47	0.6	< 10	31.6	0.45	0.04	0.21	0.09	32.0	9.1	39	0.60	29.4	4.47
609686	2669407	0.98	< 1	0.5	< 1	0.06	2.63	0.1	< 10	30.2	0.20	0.01	0.44	0.06	42.4	10.7	22	0.45	25.2	2.62
609687	2669407	0.82	1	0.5	< 1	0.25	5.98	0.9	< 10	162.2	1.65	0.17	0.19	0.24	96.2	10.5	42	3.70	21.6	4.86
609688	2669407	0.86	< 1	0.5	< 1	0.09	1.53	< 0.1	< 10	36.2	0.30	0.07	0.38	0.06	47.1	3.6	17	1.05	5.8	1.88
609690	2669407	0.94	< 1	< 0.5	< 1	0.08	1.72	< 0.1	< 10	28.4	0.30	0.04	0.36	0.03	36.9	2.9	16	0.75	4.4	1.74
609692	2669407	1.08	< 1	< 0.5	< 1	0.05	1.24	< 0.1	< 10	55.0	0.40	0.06	0.42	0.03	67.6	3.3	15	0.80	6.6	1.62
609693	2669407	0.86	1	0.5	< 1	0.06	1.70	< 0.1	< 10	72.0	0.35	0.07	0.45	0.04	76.6	4.8	20	1.30	8.6	2.20
609695	94139400	0.76	< 1	0.5	< 1	0.05	4.11	< 0.1	< 10	43.2	0.30	0.02	0.39	0.06	31.1	9.4	17	0.40	30.2	2.60
609696	2669407	0.10	< 1	< 0.5	< 1	0.01	0.02	0.1	< 10	3.0	< 0.05	< 0.01	< 0.01	< 0.01	14.25	0.2	< 1	0.05	0.2	0.14
609701	2669407	0.72	< 1	1.0	< 1	0.11	1.99	0.4	< 10	44.6	0.30	0.13	0.08	0.04	31.6	3.2	20	0.90	32.6	3.21

CERTIFICATION:



ALS Chemex

Chemex Labs, Inc.
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WESTERN MINING CORP.

308 E. ARAPAHOE COURT, STE. 110
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 80112

Page Num 4-B
 Total Pag 1
 Certificate No. 10120467
 Invoice No. : 10120467
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	FREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609643	2669407	5.75	0.15	0.10	0.02	0.025	0.35	24.6	12.8	0.43	120	9.25	< 0.01	5.55	9.6	1150	10.4	20.7	0.001	0.22
609644	2669407	9.60	< 0.05	0.06	0.07	0.020	0.02	9.2	6.9	0.80	200	0.85	0.04	2.50	62.8	1110	4.0	3.4	< 0.001	0.04
609646	2669407	6.35	0.05	0.12	0.07	0.015	0.04	17.2	8.6	0.35	90	0.60	< 0.01	4.95	21.2	900	10.0	4.5	< 0.001	0.02
609647	2669407	4.00	0.05	0.10	0.02	0.015	0.07	19.2	12.3	0.29	90	0.50	< 0.01	4.75	9.4	1010	7.6	7.2	< 0.001	0.01
609648	2669407	8.45	0.10	0.06	0.03	0.025	0.26	10.4	8.3	0.26	80	10.60	< 0.01	6.60	4.8	390	7.6	14.1	< 0.001	0.32
609649	2669407	4.95	0.05	0.06	< 0.01	0.015	0.10	17.6	12.9	0.58	145	0.55	0.02	3.80	47.4	910	5.4	10.5	< 0.001	0.01
609651	2669407	6.25	0.10	0.12	< 0.01	0.015	0.38	50.0	18.9	0.63	245	0.50	0.01	2.45	12.0	1620	8.4	32.6	< 0.001	< 0.01
609652	2669407	13.20	0.15	0.04	0.06	0.020	0.19	27.6	12.8	0.76	155	0.75	< 0.01	5.20	16.8	770	11.4	12.3	< 0.001	0.06
609653	2669407	4.45	0.05	0.08	< 0.01	0.010	0.17	33.0	12.1	0.36	140	0.50	< 0.01	4.85	6.8	1720	7.0	16.2	< 0.001	0.01
609654	2669407	10.40	0.05	0.06	0.05	0.020	0.05	9.8	5.7	0.88	150	1.10	0.05	3.35	40.8	1090	4.4	4.9	< 0.001	0.04
609655	2669407	4.60	< 0.05	0.06	0.01	0.010	0.07	19.2	7.8	0.22	85	0.35	< 0.01	4.15	5.0	1040	6.4	7.3	< 0.001	0.01
609656	2669407	7.15	0.10	0.08	< 0.01	0.015	0.28	34.2	20.7	0.60	185	0.75	< 0.01	5.75	10.4	1280	9.0	30.9	< 0.001	0.01
609657	2669407	9.80	0.10	0.06	0.04	0.025	0.06	19.2	13.5	1.30	340	0.75	0.02	2.80	73.4	1640	6.0	6.1	< 0.001	0.02
609658	2669407	6.80	0.15	0.02	0.01	0.015	0.24	34.0	13.2	0.48	175	0.70	0.01	4.90	8.6	1060	9.0	21.9	< 0.001	0.01
609659	2669407	5.75	< 0.05	0.02	0.04	0.015	0.06	14.8	6.2	0.25	60	0.50	< 0.01	4.40	7.2	650	7.2	5.8	< 0.001	0.02
609660	2669407	6.60	0.20	0.06	0.01	0.020	0.30	42.6	17.5	0.56	205	0.55	0.01	5.15	10.8	1630	9.4	28.1	< 0.001	0.01
609662	2400 225	8.60	0.10	0.02	0.16	0.015	0.53	7.4	6.0	1.45	400	5.40	0.19	0.10	16.0	930	10.2	15.4	0.019	2.02
609663	2669407	4.65	0.05	0.06	< 0.01	0.015	0.18	34.0	9.8	0.34	135	0.50	< 0.01	4.60	5.8	1370	7.6	16.3	< 0.001	0.01
609664	2669407	7.70	0.05	0.02	0.05	0.015	0.30	25.6	13.3	0.54	165	0.45	0.01	4.00	10.0	620	8.0	27.1	< 0.001	0.05
609666	2669407	6.10	0.30	0.04	0.06	0.055	0.03	33.4	12.6	1.39	2970	2.35	0.02	0.65	179.4	1640	2.8	3.7	0.001	0.08
609667	2669407	3.65	0.05	< 0.02	0.05	< 0.005	0.21	13.0	3.1	0.37	65	0.50	< 0.01	1.10	15.0	300	2.6	9.8	< 0.001	0.05
609668	2669407	8.15	0.05	0.04	0.03	0.005	0.12	26.8	9.4	0.39	130	0.50	< 0.01	5.80	7.0	990	8.8	11.2	< 0.001	0.01
609669	2669407	8.35	0.05	0.02	0.05	0.015	0.02	15.6	6.2	0.78	105	1.15	0.04	1.65	42.8	1250	4.4	2.0	< 0.001	0.06
609670	2669407	3.80	0.05	0.02	< 0.01	0.005	0.09	21.0	7.4	0.52	115	0.45	0.01	4.00	25.2	1190	4.4	7.4	< 0.001	0.01
609673	2669407	12.40	0.20	0.12	0.06	0.045	0.08	14.0	8.7	0.77	180	1.70	0.01	3.05	27.0	1690	8.0	7.3	< 0.001	0.04
609675	2669407	5.55	0.10	0.02	0.03	0.010	0.16	23.2	12.2	0.35	130	0.40	0.01	4.35	8.4	1080	8.2	17.2	< 0.001	0.01
609679	2669407	4.90	0.10	0.06	0.01	0.010	0.14	33.4	9.9	0.33	115	0.40	< 0.01	4.20	5.8	1370	7.4	12.3	< 0.001	0.02
609680	2669407	7.30	0.05	0.06	< 0.01	0.015	0.33	36.0	17.6	0.54	190	0.75	0.01	5.15	10.0	1630	9.4	32.8	< 0.001	0.01
609681	2669407	5.25	0.10	0.04	0.01	0.010	0.27	31.0	19.1	0.55	245	0.60	0.01	4.10	9.2	1780	6.6	25.6	< 0.001	0.01
609683	2669407	5.60	0.05	0.04	0.03	0.015	0.08	16.6	10.8	0.37	115	0.85	0.01	5.15	16.2	860	8.2	7.9	< 0.001	0.01
609685	2669407	9.65	< 0.05	0.08	0.06	0.030	0.08	14.2	10.8	0.76	150	0.80	0.01	3.75	26.4	1390	7.2	8.2	< 0.001	0.03
609686	2669407	5.25	0.05	0.06	0.01	0.010	0.05	18.8	9.5	0.65	175	0.35	0.03	3.00	33.0	1560	4.2	5.7	< 0.001	0.01
609687	2669407	14.25	0.20	0.08	0.11	0.030	0.52	39.6	26.4	0.90	430	3.00	< 0.01	8.35	17.4	2370	18.2	55.3	< 0.001	0.07
609688	2669407	4.85	0.05	0.10	0.02	0.010	0.13	22.6	9.3	0.30	115	0.60	< 0.01	4.95	5.8	1510	7.8	12.6	< 0.001	0.01
609690	2669407	4.25	0.10	0.10	0.02	0.010	0.09	18.2	7.9	0.23	95	0.40	< 0.01	4.45	5.2	1400	6.8	9.0	< 0.001	0.01
609692	2669407	4.80	0.10	0.06	0.01	0.005	0.15	33.4	8.8	0.30	115	0.40	< 0.01	4.20	5.8	1510	7.0	14.2	< 0.001	0.01
609693	2669407	6.15	0.10	0.06	< 0.01	0.005	0.20	38.2	12.0	0.42	155	0.60	< 0.01	5.35	7.8	1680	8.8	19.4	< 0.001	0.02
609695	24139400	5.25	0.10	0.06	0.06	0.010	0.03	14.8	8.9	0.63	150	0.45	0.03	2.35	57.4	1220	5.4	3.7	< 0.001	0.04
609696	2669407	0.10	< 0.05	< 0.02	< 0.01	< 0.005	< 0.01	7.8	0.1	< 0.01	20	0.05	< 0.01	0.45	< 0.2	10	1.0	0.9	< 0.001	< 0.01
609701	2669407	14.05	0.10	0.02	0.03	0.020	0.07	14.4	10.9	0.40	110	1.20	< 0.01	6.15	6.4	810	11.4	8.9	< 0.001	0.04

CERTIFICATION: _____



ALS Chemex

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WESTERN MINING CORP.

308 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page No: 4-C
 Total Pag: 1
 Certificate No: 10-JUL-2001
 Invoice No: 10120467
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609643	2669407	< 0.05	3.2	1.2	0.4	11.0	0.04	0.07	10.2	0.15	0.20	1.30	52	0.25	6.40	26	2.5
609644	2669407	0.05	3.3	0.8	0.6	12.0	0.02	0.07	2.2	0.11	0.06	0.40	42	0.05	5.80	24	2.5
609646	2669407	< 0.05	3.2	0.6	0.6	8.0	0.06	0.01	6.0	0.12	0.06	0.95	33	0.10	5.10	14	2.5
609647	2669407	< 0.05	2.7	0.8	0.6	7.4	0.06	0.03	6.2	0.10	0.08	1.45	28	0.15	5.75	16	2.5
609648	2669407	< 0.05	2.3	1.4	0.8	5.2	0.02	0.05	3.8	0.22	0.12	0.80	90	0.20	2.45	12	2.5
609649	2669407	< 0.05	2.2	0.2	0.6	15.8	0.01	0.03	3.6	0.11	0.10	0.70	30	< 0.05	5.80	22	1.5
609651	2669407	< 0.05	4.0	0.6	0.8	28.8	< 0.01	0.04	9.0	0.18	0.22	1.65	41	0.15	11.15	42	4.5
609652	2669407	< 0.05	2.6	0.6	0.8	11.0	0.01	0.04	2.8	0.24	0.12	1.00	134	< 0.05	4.95	40	1.5
609653	2669407	< 0.05	2.2	0.6	0.6	17.8	0.02	0.05	5.0	0.13	0.14	1.20	35	0.15	8.90	22	2.5
609654	2669407	< 0.05	1.9	1.0	0.8	18.6	0.01	0.04	1.8	0.12	0.06	0.75	36	< 0.05	4.00	16	1.0
609655	2669407	< 0.05	1.8	0.6	0.6	11.0	0.04	0.03	3.8	0.10	0.08	0.90	26	0.10	5.95	12	2.0
609656	2669407	< 0.05	2.8	0.2	0.8	16.6	< 0.01	< 0.01	6.2	0.21	0.24	1.55	43	0.50	7.30	38	2.5
609657	2669407	< 0.05	4.6	0.8	0.8	11.4	0.01	0.04	3.8	0.14	0.10	0.60	55	< 0.05	12.70	44	2.5
609658	2669407	< 0.05	2.4	< 0.2	1.0	18.8	< 0.01	0.02	3.4	0.18	0.16	1.50	40	0.15	6.55	30	1.5
609659	2669407	< 0.05	2.1	0.8	0.6	7.4	0.06	0.04	3.4	0.11	0.08	0.70	32	< 0.05	4.60	12	1.5
609660	2669407	< 0.05	2.5	0.2	0.8	21.6	< 0.01	0.01	5.6	0.17	0.20	1.70	43	0.15	8.90	40	2.0
609662	9400 225	0.15	7.4	2.0	0.6	133.4	< 0.01	0.15	1.4	0.16	0.08	0.20	86	< 0.05	8.35	56	0.5
609663	2669407	< 0.05	1.9	0.2	0.6	20.4	< 0.01	< 0.01	3.4	0.13	0.12	1.35	31	1.35	8.10	20	2.0
609664	2669407	< 0.05	1.9	0.2	1.0	20.2	< 0.01	0.02	2.0	0.15	0.20	1.80	32	0.10	4.15	34	1.5
609666	2669407	< 0.05	11.9	1.4	0.6	17.8	< 0.01	0.12	2.0	0.07	0.28	0.90	120	< 0.05	19.20	58	0.5
609667	2669407	< 0.05	0.8	< 0.2	0.2	9.6	< 0.01	< 0.01	0.6	0.09	0.08	0.90	30	< 0.05	2.30	12	0.5
609668	2669407	< 0.05	1.8	0.6	1.0	16.2	0.01	0.03	4.0	0.19	0.10	1.05	43	0.05	6.00	20	2.0
609669	2669407	< 0.05	2.1	1.0	0.4	23.6	0.01	0.01	1.4	0.08	0.02	0.75	27	< 0.05	8.25	14	0.5
609670	2669407	< 0.05	1.9	0.8	0.2	10.4	0.03	0.05	3.2	0.08	0.08	0.75	24	< 0.05	8.65	18	1.0
609673	2669407	< 0.05	7.3	0.8	0.8	6.6	0.04	0.03	3.6	0.15	0.08	0.55	97	0.05	9.85	34	3.5
609675	2669407	< 0.05	2.2	0.6	0.8	12.2	0.01	0.05	4.6	0.12	0.16	1.10	31	0.15	6.65	20	2.0
609679	2669407	< 0.05	1.8	0.6	0.6	18.6	< 0.01	0.04	2.6	0.12	0.10	1.25	25	0.15	7.45	20	1.5
609680	2669407	< 0.05	2.5	0.2	0.8	21.0	< 0.01	< 0.01	5.4	0.17	0.24	1.50	43	0.15	8.45	36	2.0
609681	2669407	< 0.05	2.2	0.4	0.6	19.4	< 0.01	0.05	5.4	0.16	0.18	1.10	40	0.20	7.75	36	3.0
609683	2669407	< 0.05	3.1	0.6	0.6	8.0	0.02	< 0.01	5.2	0.13	0.08	0.80	33	0.10	5.55	20	2.0
609685	2669407	< 0.05	3.7	1.0	0.6	7.0	0.03	0.07	3.6	0.14	0.08	0.55	51	< 0.05	5.90	32	2.0
609686	2669407	< 0.05	2.9	0.4	0.4	14.0	0.02	< 0.01	4.2	0.09	0.08	0.65	31	< 0.05	9.40	24	2.0
609687	2669407	< 0.05	3.8	1.6	1.0	18.2	0.03	0.09	7.6	0.22	0.40	2.30	77	0.40	6.00	72	4.0
609688	2669407	< 0.05	1.9	0.2	0.6	15.0	0.04	0.02	4.6	0.13	0.12	1.00	34	0.75	6.50	20	2.5
609690	2669407	< 0.05	1.9	0.8	0.6	13.4	0.06	0.04	4.6	0.11	0.08	1.25	28	0.45	6.75	16	2.5
609692	2669407	< 0.05	1.7	0.2	0.6	18.8	< 0.01	< 0.01	3.0	0.11	0.12	1.30	28	0.15	8.10	18	1.5
609693	2669407	< 0.05	2.4	0.4	0.6	21.4	0.01	0.03	7.4	0.15	0.16	1.40	39	0.50	8.85	26	2.0
609695	94139400	< 0.05	2.9	0.8	0.4	22.0	0.03	0.05	2.6	0.07	0.06	0.55	25	< 0.05	6.90	16	1.5
609696	2669407	< 0.05	< 0.1	< 0.2	< 0.2	1.0	< 0.01	< 0.01	1.0	< 0.01	< 0.02	0.30	< 1	< 0.05	3.40	< 2	< 0.5
609701	2669407	< 0.05	2.5	1.4	1.2	5.4	0.03	0.34	4.0	0.22	0.06	0.85	65	0.10	3.05	20	1.5

CERTIFICATION: _____



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WESTERN MINING CORP.

3008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page No 5-A
 Total Pa 5
 Certificate D. 20-JUL-2001
 Invoice No. 10120467
 P.O. Number MEDWMCQ7
 Account GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
609705	2669407	0.86	< 1	0.5	< 1	0.08	2.74	0.6	< 10	45.2	0.65	0.03	0.20	0.05	41.4	4.7	24	0.70	9.6	2.24
609707	2669407	0.78	< 1	0.5	< 1	0.08	3.16	0.1	< 10	27.4	0.75	0.04	0.14	0.03	41.9	3.5	20	0.70	7.6	2.61
609712	2669407	0.90	< 1	0.5	< 1	0.15	2.76	0.2	< 10	29.6	0.60	0.04	0.15	0.07	39.3	3.9	26	0.70	9.4	2.32
609713	2669407	0.74	< 1	0.5	7	0.19	1.90	0.2	< 10	36.6	0.40	0.05	0.24	0.03	38.1	4.9	25	0.95	14.6	2.75
609716	9400 225	0.14	21	0.5	1	0.42	2.53	3.4	< 10	80.6	0.20	0.07	1.86	0.15	17.20	24.0	19	0.60	409	3.95
609719	2669407	0.92	3	8.0	4	0.88	4.73	0.8	< 10	188.0	0.45	2.21	0.10	0.13	23.5	6.2	80	2.40	96.1	10.40
609724	2669407	0.70	< 1	0.5	< 1	0.12	1.85	0.1	< 10	17.0	0.40	0.05	0.10	0.04	25.2	2.3	12	0.50	6.4	1.63
609730	2669407	0.80	1	2.0	1	0.15	2.77	0.5	< 10	60.6	0.65	0.34	0.15	0.45	29.4	9.6	61	2.30	79.4	6.69
609735	2669407	0.36	3	6.5	6	0.43	3.42	1.6	< 10	257.6	0.40	0.22	0.16	0.16	33.8	12.8	67	2.70	63.5	11.00
S-23	2669407	0.96	3	0.5	< 1	0.06	1.19	< 0.1	< 10	74.0	0.35	0.04	0.34	0.07	97.0	12.2	26	0.85	27.0	3.78
S-24	2669407	0.80	< 1	0.5	< 1	0.05	1.03	0.8	< 10	101.2	0.20	0.04	0.43	0.13	75.7	9.5	17	0.55	21.0	1.82
S-25	2669407	0.86	2	2.5	3	0.17	2.05	1.9	< 10	125.6	0.35	0.15	0.48	0.21	129.0	17.2	44	1.90	66.4	3.86
S-26	2669407	0.84	2	1.0	3	0.18	1.75	3.5	< 10	96.0	0.45	0.18	0.28	0.54	111.0	11.9	34	1.45	44.6	3.19
S-27	2669407	0.68	< 1	< 0.5	< 1	0.04	0.39	0.4	< 10	48.6	0.20	0.01	0.47	0.06	69.8	2.8	9	0.25	12.8	1.25
S-28	2669407	0.90	1	1.0	1	0.11	2.01	0.1	< 10	168.2	0.40	0.04	0.49	0.06	111.0	11.6	33	1.75	16.6	6.01
S-29	2669407	0.88	< 1	1.0	1	0.05	1.48	0.3	< 10	104.4	0.25	0.05	0.37	0.07	76.3	7.9	25	1.30	20.4	3.15

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WESTERN MINING CORP.

2008 E. ARAPAHOE COURT, STE. 110
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 80112

Page No: 5-B
 Total Pages: 5
 Certificate #: 20-JUL-2001
 Invoice No.: I0120467
 P.O. Number: MEDWMCO7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609705	2669407	5.80	0.15	0.08	0.02	0.020	0.13	18.6	13.3	0.40	135	0.35	< 0.01	4.80	9.2	920	7.4	12.2	< 0.001	0.01
609707	2669407	7.70	0.15	0.06	0.05	0.025	0.07	15.0	10.8	0.33	105	0.45	< 0.01	5.00	6.0	1030	7.0	7.2	< 0.001	0.02
609712	2669407	6.60	0.05	0.10	0.04	0.020	0.07	17.0	10.2	0.30	100	0.50	< 0.01	4.90	7.8	890	6.6	8.8	< 0.001	0.01
609713	2669407	7.95	0.05	0.06	0.03	0.015	0.11	15.4	13.6	0.46	140	0.40	< 0.01	5.20	10.0	1060	6.8	10.4	< 0.001	0.01
609716	9400 225	8.30	0.15	0.06	0.28	0.015	0.50	7.4	6.1	1.39	390	5.60	0.18	0.10	15.6	910	10.6	15.2	0.013	1.86
609719	2669407	21.75	0.30	0.08	0.06	0.040	0.48	13.4	10.2	0.90	175	15.25	0.02	7.15	14.4	1060	624.0	21.8	0.001	0.47
609724	2669407	7.45	< 0.05	0.06	0.04	0.015	0.04	12.8	7.3	0.25	75	0.35	< 0.01	4.85	4.2	460	8.4	4.0	< 0.001	0.01
609730	2669407	14.60	0.15	0.08	0.04	0.030	0.13	10.8	13.9	0.59	160	10.15	< 0.01	8.55	20.4	820	35.0	18.8	< 0.001	0.03
609735	2669407	19.25	0.60	0.06	0.13	0.080	0.98	18.2	22.0	1.46	890	5.55	< 0.01	10.80	9.6	680	13.6	69.6	< 0.001	0.21
S-23	2669407	4.65	0.15	0.02	0.02	0.015	0.14	45.2	19.4	0.36	800	4.70	< 0.01	3.05	13.0	1040	8.8	14.4	< 0.001	0.03
S-24	2669407	3.85	0.10	0.02	0.02	0.015	0.13	36.8	14.7	0.30	385	3.45	0.01	2.05	11.8	1120	7.4	12.0	< 0.001	0.16
S-25	2669407	6.85	0.15	0.08	0.06	0.035	0.32	60.8	45.0	0.72	1060	6.55	0.01	3.45	31.6	1430	21.2	35.2	< 0.001	0.10
S-26	2669407	8.30	0.05	< 0.02	0.06	0.020	0.22	58.8	24.6	0.60	915	7.60	0.01	3.80	19.4	670	23.4	21.7	0.001	0.13
S-27	2669407	1.75	0.05	0.06	< 0.01	0.005	0.09	36.4	6.7	0.18	90	2.75	< 0.01	1.60	6.4	1580	3.0	8.6	0.001	0.51
S-28	2669407	10.40	0.20	0.06	0.03	0.025	0.61	56.2	42.6	1.05	395	2.80	0.01	4.80	21.0	1640	10.4	56.8	< 0.001	0.06
S-29	2669407	7.25	0.05	< 0.02	< 0.01	0.015	0.32	39.8	31.1	0.65	280	2.05	0.01	3.25	15.6	1180	9.0	31.1	< 0.001	0.07

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CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609705	2669407	< 0.05	3.5	0.6	0.6	9.4	0.03	0.04	5.2	0.13	0.10	0.75	37	0.15	4.95	30	3.0
609707	2669407	< 0.05	3.3	0.6	0.8	5.8	0.05	0.05	4.0	0.13	0.08	0.65	44	0.10	4.55	18	2.0
609712	2669407	< 0.05	3.5	0.4	0.6	7.4	0.04	< 0.01	3.8	0.14	0.08	0.70	42	0.10	5.85	20	2.0
609713	2669407	< 0.05	2.7	0.6	0.8	8.8	0.03	0.03	3.6	0.17	0.08	0.65	57	0.10	4.25	30	1.5
609716	9400 225	0.20	7.7	1.0	0.6	134.1	< 0.01	0.08	1.2	0.15	0.06	0.20	84	< 0.05	8.65	56	0.5
609719	2669407	0.05	9.5	4.0	1.4	18.0	0.06	0.33	10.8	0.48	0.22	1.70	272	0.05	3.80	20	2.0
609724	2669407	< 0.05	2.2	0.2	1.0	5.6	0.06	0.01	3.2	0.14	0.04	0.55	34	0.05	3.20	10	2.0
609730	2669407	< 0.05	4.1	1.2	1.4	10.4	0.10	0.13	12.2	0.39	0.12	0.85	136	0.05	5.70	52	3.0
609735	2669407	0.05	14.9	3.4	1.2	21.2	< 0.01	0.41	4.4	0.49	0.64	1.20	170	0.10	2.80	68	2.0
S-23	2669407	< 0.05	2.4	0.6	0.6	16.8	< 0.01	0.01	6.8	0.10	0.18	4.05	41	0.10	10.20	32	0.5
S-24	2669407	< 0.05	1.8	0.6	0.6	23.2	< 0.01	0.05	4.4	0.07	0.14	1.70	27	0.75	8.90	30	0.5
S-25	2669407	0.10	4.0	1.4	1.0	28.0	< 0.01	0.08	7.2	0.12	0.46	25.9	55	0.30	16.70	104	0.5
S-26	2669407	0.15	2.6	1.4	1.0	22.4	< 0.01	0.07	5.0	0.13	0.36	11.00	56	0.25	10.40	62	0.5
S-27	2669407	< 0.05	1.3	< 0.2	0.2	19.0	< 0.01	< 0.01	9.6	0.05	0.10	5.10	15	1.70	12.15	18	3.0
S-28	2669407	0.05	5.4	0.2	1.6	35.0	< 0.01	0.04	17.8	0.20	0.38	2.65	57	0.05	13.40	82	1.5
S-29	2669407	0.05	3.0	0.8	1.0	37.0	< 0.01	0.02	6.8	0.13	0.22	2.75	36	< 0.05	8.50	54	0.5

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
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WESTERN MINING CORP.

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 SENGLEWOOD, COLORADO
 80112

Page Number: 1-A
 Total Pages: 5
 Certificate: 10-JUL-2001
 Invoice No.: 10120467
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight	Au ppb	Pt ppb	Pd ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ICP-MS	ICP-MS	ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
602101	2669407	1.28	3	4.0	< 1	0.15	2.17	1.0	< 10	111.0	0.40	0.18	0.26	< 0.01	46.3	3.6	44	1.15	23.6	4.21
602102	2669407	0.68	3	< 0.5	< 1	0.08	1.83	0.4	< 10	23.6	0.40	0.06	0.25	0.06	35.7	2.6	18	0.55	6.4	1.88
602104	94139400	0.10	not/ss	not/ss	not/ss	0.09	0.34	28.6	< 10	58.6	0.40	0.11	0.26	0.04	83.6	3.0	26	0.25	18.6	1.43
602105	2669407	0.86	< 1	< 0.5	< 1	0.09	1.54	0.2	< 10	21.2	0.30	0.03	0.21	0.06	35.7	2.9	15	0.45	7.2	1.73
602106	2669407	0.74	< 1	1.0	< 1	0.08	2.51	0.3	< 10	32.2	0.50	0.04	0.17	0.03	40.7	3.2	20	0.55	13.4	1.96
602107	2669407	0.70	1	0.5	< 1	0.11	3.81	0.5	< 10	25.2	0.25	0.03	0.30	0.05	35.2	8.2	20	0.30	24.8	2.68
602109	2669407	0.78	< 1	2.5	2	0.13	2.08	0.3	< 10	120.2	0.30	0.10	0.19	0.06	30.8	4.3	35	1.20	57.4	3.71
602110	9400 225	0.12	12	0.5	1	0.50	2.47	5.6	< 10	89.6	0.20	0.06	1.95	0.17	18.15	25.4	23	0.65	419	4.09
602111	2669407	0.64	1	2.0	< 1	0.17	2.20	0.4	< 10	120.0	0.40	0.20	0.17	0.06	28.1	4.9	54	1.50	40.2	6.30
602112	2669407	0.72	< 1	< 0.5	< 1	0.10	1.93	0.4	< 10	29.6	0.50	0.03	0.22	0.06	43.2	3.5	21	0.55	9.2	2.02
602113	2669407	0.70	1	0.5	< 1	0.08	5.05	0.7	< 10	28.8	0.15	0.04	0.24	0.05	29.0	8.8	41	0.30	25.2	4.38
602114	2669407	0.76	1	0.5	< 1	0.14	7.17	0.9	< 10	66.2	0.30	0.03	0.39	0.12	42.8	11.3	25	0.40	40.6	5.24
602115	2669407	0.94	< 1	0.5	< 1	0.11	2.85	0.5	< 10	31.4	0.30	0.03	0.24	0.05	37.8	5.8	32	0.60	15.6	2.77
602116	2669407	0.78	1	< 0.5	< 1	0.14	2.23	0.6	< 10	25.8	0.30	0.04	0.19	0.04	36.8	4.0	24	0.65	8.6	2.60
602117	2669407	0.80	1	< 0.5	< 1	0.10	2.74	0.3	< 10	37.0	0.40	0.04	0.21	0.04	43.9	4.4	27	0.80	19.6	2.62
602118	2669407	0.92	< 1	< 0.5	< 1	0.06	3.58	0.4	< 10	32.6	0.35	0.03	0.27	0.07	51.1	12.3	37	0.55	29.6	3.14
602119	2669407	0.72	2	5.5	4	0.41	3.34	1.0	< 10	171.6	0.15	0.50	0.04	0.05	12.75	3.3	135	6.85	163.5	13.65
602120	2669407	0.60	< 1	1.0	< 1	0.19	2.83	< 0.1	< 10	64.8	0.50	0.08	0.23	0.14	39.6	6.6	37	1.75	29.4	3.19
602121	2669407	0.92	< 1	0.5	< 1	0.09	2.44	0.8	< 10	25.0	0.30	0.04	0.18	0.07	42.5	6.4	25	0.65	23.2	2.27
602122	2669407	0.90	< 1	0.5	< 1	0.07	1.31	0.6	< 10	45.4	0.15	0.03	0.37	0.04	50.6	4.8	19	0.65	12.0	1.66
602123	2669407	0.84	3	1.5	4	0.45	3.80	5.5	60	351.4	0.35	0.37	0.11	0.07	32.1	3.0	83	1.85	76.2	10.90
602124	2669407	0.72	< 1	0.5	< 1	0.08	2.23	0.3	< 10	60.2	0.50	0.03	0.27	0.06	47.1	6.2	19	0.85	22.8	2.21
602125	2669407	0.72	< 1	0.5	< 1	0.11	2.69	0.4	< 10	33.8	0.35	0.03	0.19	0.08	44.8	3.7	17	0.60	9.8	2.07
602126	2669407	0.84	< 1	< 0.5	< 1	0.04	1.75	0.6	< 10	27.2	0.15	0.01	0.50	0.05	46.2	8.0	12	0.25	19.0	2.20
602127	2669407	0.82	< 1	0.5	< 1	0.10	2.34	0.3	< 10	47.6	0.45	0.03	0.25	0.04	41.7	4.2	19	0.65	15.4	1.87
602128	2669407	0.82	1	0.5	< 1	0.09	1.51	0.5	< 10	24.8	0.20	0.05	0.14	0.07	24.5	3.9	21	0.50	7.4	2.13
602130	2669407	0.86	1	0.5	1	0.08	4.62	0.9	< 10	45.4	0.45	0.06	0.55	0.14	40.3	22.2	31	0.40	68.9	4.91
602131	2669407	0.90	6	0.5	< 1	0.10	2.38	< 0.1	< 10	54.8	0.30	0.02	0.37	0.04	58.9	7.6	22	0.70	24.4	2.12
602132	2669407	0.78	1	1.5	2	0.11	3.04	0.8	< 10	33.8	0.60	0.06	0.17	0.10	36.9	9.4	37	1.15	67.6	3.75
602133	2669407	0.94	1	0.5	< 1	0.04	3.20	0.3	< 10	55.2	0.20	0.03	0.57	0.06	50.8	20.3	17	0.45	60.1	3.14
602134	2669407	0.76	< 1	< 0.5	< 1	0.11	2.03	0.3	< 10	47.4	0.40	0.04	0.32	0.03	48.4	4.1	20	1.00	11.8	1.94
602135	2669407	0.82	< 1	< 0.5	< 1	0.15	3.65	0.5	< 10	28.6	0.20	0.03	0.37	0.05	40.8	10.2	18	0.45	20.0	2.42
602136	2669407	0.90	2	< 0.5	< 1	0.18	2.05	0.4	< 10	35.6	0.25	0.06	0.20	0.05	38.6	3.4	24	1.20	7.8	2.73
602137	2669407	0.78	6	2.0	20	0.53	2.56	3.4	< 10	143.8	0.25	0.40	0.08	0.04	40.4	3.1	68	2.55	98.4	11.20
602138	2669407	0.72	2	1.5	11	0.96	2.27	2.0	< 10	64.4	0.20	0.45	0.09	0.14	32.7	2.4	70	1.50	98.6	10.95
602139	2669407	0.72	1	1.0	< 1	0.56	2.51	0.5	< 10	194.0	0.35	0.28	0.04	0.16	22.0	3.1	53	1.55	61.9	8.35
602140	2669407	0.64	< 1	0.5	< 1	0.08	5.02	0.7	< 10	27.4	0.55	0.02	0.15	0.10	22.5	5.2	20	0.25	14.0	3.16
602141	2669407	1.12	4	< 0.5	< 1	0.13	2.18	0.4	< 10	25.6	0.25	0.06	0.19	0.01	36.7	2.7	20	0.80	7.2	2.07
602142	2669407	0.74	< 1	< 0.5	< 1	0.19	2.95	< 0.1	< 10	29.4	0.50	0.04	0.13	0.03	38.2	3.7	25	0.65	7.6	2.24
602144	2669407	0.92	1	< 0.5	< 1	0.08	5.93	0.9	< 10	44.4	0.20	0.03	0.73	0.15	43.3	58.1	15	0.25	171.0	5.87

CERTIFICATION: 



ALS Chemex

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WESTERN MINING CORP.

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Page Num : 1-B
 Total Pag : 5
 Certificate : 20-JUL-2001
 Invoice No. : 10120467
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
602101	2669407	7.60	0.10	0.28	0.10	0.040	0.41	22.6	13.7	0.51	125	4.40	0.01	4.50	9.8	1250	10.0	22.2 <	0.001	0.18
602102	2669407	5.50	0.05	0.20	0.08	0.020	0.05	18.0	7.8	0.20	90	0.45	0.01	4.10	10.2	1340	9.8	5.0 <	0.001	0.02
602104	94139400	2.15	0.05	0.18	0.03	0.035	0.04	42.6	1.7	0.18	195	1.15 <	0.01	3.95	11.8	230	17.0	4.5 <	0.001	0.01
602105	2669407	4.60	0.05	0.08	0.05	0.005	0.05	17.2	7.5	0.28	95	0.30	0.01	3.95	5.4	1130	4.8	4.5 <	0.001	0.01
602106	2669407	6.85	0.05	0.06	0.04	0.005	0.05	19.2	8.6	0.25	85	0.30 <	0.01	4.60	6.2	830	6.6	5.5 <	0.001	0.02
602107	2669407	5.15	0.10	0.08	0.07	0.015	0.03	16.6	7.3	0.51	125	0.65	0.02	3.25	34.4	1360	3.6	3.6 <	0.001	0.04
602109	2669407	6.90	0.20	0.04	0.05	0.020	0.24	16.0	9.9	0.49	120	3.35	0.11	5.10	8.4	1040	16.0	13.6 <	0.001	0.11
602110	9400 225	9.15	0.15	0.06	0.16 <	0.005	0.57	8.0	6.1	1.47	410	5.55	0.18	0.15	16.4	1110	7.6	16.3 <	0.020	1.88
602111	2669407	17.60	0.25	0.04	0.05	0.030	0.22	13.8	10.2	0.64	165	3.25	0.01	9.40	8.4	1330	24.0	13.9 <	0.001	0.17
602112	2669407	4.90 <	0.05	0.10	0.05	0.015	0.08	20.4	8.7	0.29	115	0.35	0.01	4.70	7.6	1370	5.8	6.9 <	0.001	0.01
602113	2669407	10.10	0.05	0.14	0.08	0.030	0.03	13.0	4.8	0.45	175	1.00	0.03	3.45	30.2	1890	5.4	2.8 <	0.001	0.05
602114	2669407	11.15	0.15	0.08	0.13	0.030	0.03	19.0	6.0	0.74	130	1.10	0.07	1.60	35.8	1780	2.6	3.3 <	0.001	0.05
602115	2669407	6.55 <	0.05	0.08	0.04	0.015	0.06	16.0	7.4	0.43	135	0.60	0.01	4.70	22.2	1370	8.0	5.7 <	0.001	0.03
602116	2669407	9.60	0.05	0.08	0.03	0.010	0.09	17.2	8.1	0.39	150	0.35	0.01	5.15	7.0	1220	6.4	8.1 <	0.001	0.01
602117	2669407	7.15 <	0.05	0.10	0.07	0.020	0.11	21.0	11.2	0.40	130	0.40	0.01	5.05	8.4	1180	6.6	9.9 <	0.001	0.01
602118	2669407	6.35	0.10	0.06	0.05	0.020	0.07	18.6	15.7	0.66	180	0.65	0.02	4.50	46.8	1260	7.8	6.2 <	0.001	0.03
602119	2669407	23.25	0.55 <	0.02	0.05	0.080	1.73	9.0	28.3	1.57	370	15.65	0.02	8.80	6.6	860	10.0	95.1 <	0.001	1.09
602120	2669407	9.60	0.05	0.06	0.06	0.020	0.20	18.4	14.5	0.64	160	0.90	0.01	5.95	14.0	1000	12.8	16.2 <	0.001	0.03
602121	2669407	9.05	0.05	0.04	0.06	0.020	0.06	19.6	11.0	0.40	100	0.60	0.01	5.25	16.0	750	9.0	6.5 <	0.001	0.03
602122	2669407	3.90 <	0.05	0.08	0.01	0.015	0.15	24.6	11.7	0.37	140	0.30	0.01	3.60	9.0	1400	4.4	12.0 <	0.001	0.01
602123	2669407	12.75 <	0.05 <	0.02	0.38	0.040	0.62	19.0	21.1	0.62	125	16.00	0.03	8.50	7.2	1220	11.0	28.5	0.001	0.55
602124	2669407	5.95 <	0.05	0.06	0.03	0.015	0.21	23.0	11.9	0.40	130	0.35	0.01	4.25	9.6	1020	6.4	17.7 <	0.001	0.01
602125	2669407	5.85	0.05	0.08	0.04	0.015	0.06	21.4	11.0	0.33	110	0.30	0.01	4.60	7.2	1090	5.8	5.4 <	0.001	0.01
602126	2669407	3.45	0.05	0.06	0.02	0.015	0.04	21.8	5.8	0.48	120	0.35	0.01	2.35	21.0	2180	3.8	4.1 <	0.001	0.01
602127	2669407	4.45	0.05	0.08	0.04	0.020	0.16	20.4	12.2	0.39	120	0.30	0.01	4.05	8.2	1030	4.8	12.8 <	0.001	0.01
602128	2669407	9.55	0.05 <	0.02	0.05	0.010	0.06	11.4	6.0	0.31	95	0.65	0.01	3.90	10.0	810	5.8	5.6 <	0.001	0.02
602130	2669407	12.00	0.10	0.12	0.10	0.030	0.03	15.4	7.5	1.09	395	1.35	0.04	1.50	64.8	2810	3.8	3.4 <	0.001	0.06
602131	2669407	5.05	0.15	0.06	0.04	0.030	0.14	28.0	11.0	0.51	140	0.45	0.03	5.35	26.2	1260	6.4	12.5 <	0.001	0.01
602132	2669407	12.25 <	0.05	0.08	0.04	0.020	0.10	15.6	12.6	0.45	140	0.80	0.01	6.05	20.0	760	14.6	9.3 <	0.001	0.03
602133	2669407	4.95	0.05	0.08	0.01	0.015	0.08	24.0	9.3	0.88	250	0.40	0.04	2.45	59.0	2320	4.2	7.1 <	0.001	0.03
602134	2669407	4.75	0.05	0.06	0.02	0.015	0.14	21.8	11.7	0.30	105	0.60	0.01	4.70	10.0	1270	7.6	12.8 <	0.001	0.02
602135	2669407	5.25	0.10	0.04	0.04	0.015	0.05	18.8	8.3	0.52	160	0.50	0.03	3.80	45.2	1450	4.2	4.8 <	0.001	0.03
602136	2669407	9.40 <	0.05	0.04	0.05	0.030	0.10	15.0	9.5	0.29	125	0.60	0.01	6.40	7.6	1100	9.6	18.7 <	0.001	0.02
602137	2669407	11.50	0.55	0.06	0.05	0.035	1.12	27.2	12.9	0.71	185	8.30	0.02	6.55	5.8	1830	9.2	48.6	0.001	1.08
602138	2669407	13.05	0.40	0.02	0.05	0.045	1.46	16.0	16.6	0.57	130	54.56	0.01	5.50	5.4	1030	18.8	52.6	0.003	1.64
602139	2669407	15.70	0.25 <	0.02	0.05	0.025	0.42	13.6	14.1	0.54	110	10.15 <	0.01	8.10	6.2	1070	12.2	20.7 <	0.001	0.29
602140	2669407	7.65	0.05	0.04	0.09	0.015	0.01	10.4	5.2	0.31	75	0.75	0.01	2.55	20.0	1040	4.2	2.2 <	0.001	0.05
602141	2669407	7.80 <	0.05	0.06	0.05	0.015	0.08	13.4	7.0	0.22	80	0.55 <	0.01	5.20	6.2	1010	7.0	7.8 <	0.001	0.03
602142	2669407	6.85 <	0.05	0.04	0.05	0.015	0.08	17.2	8.1	0.28	95	0.40	0.01	4.70	7.0	950	5.8	8.3 <	0.001	0.01
602144	2669407	7.10	0.20	0.14	0.09	0.035	0.04	17.8	9.1	2.46	750	0.70	0.05	1.15	245.0	3700	1.6	3.5 <	0.001	0.09

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Num: 1-C
 Total Pag: 5
 Certificate: 20-JUL-2001
 Invoice No.: 10120467
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
602101	2669407	< 0.05	3.5	0.6	0.6	8.8	0.01	0.11	5.8	0.17	0.18	1.10	82	< 0.05	6.00	34	2.0
602102	2669407	< 0.05	1.4	0.6	0.6	8.0	0.06	0.02	2.6	0.10	0.06	0.90	36	< 0.05	5.65	26	0.5
602104	94139400	0.05	0.4	< 0.2	5.8	26.4	0.01	0.01	12.0	0.06	0.02	2.05	37	< 0.05	27.05	26	3.5
602105	2669407	< 0.05	1.4	0.4	0.6	7.8	0.04	< 0.01	3.8	0.10	0.02	0.60	35	< 0.05	4.60	18	1.5
602106	2669407	< 0.05	2.6	0.6	0.8	6.6	0.05	< 0.01	4.6	0.13	0.06	0.75	39	< 0.05	5.55	24	1.5
602107	2669407	< 0.05	3.0	1.0	0.4	12.4	0.03	0.01	3.0	0.08	0.04	0.60	27	< 0.05	7.45	24	1.0
602109	2669407	< 0.05	3.3	2.2	0.6	9.8	0.05	0.14	6.0	0.17	0.14	0.90	70	< 0.05	4.85	30	1.5
602110	9400225	0.20	7.6	1.8	0.6	129.0	< 0.01	0.06	1.4	0.17	0.08	0.20	102	< 0.05	9.25	68	0.5
602111	2669407	< 0.05	4.9	1.4	1.6	7.8	0.02	0.17	3.4	0.36	0.10	0.95	185	< 0.05	4.10	40	1.5
602112	2669407	< 0.05	2.2	< 0.2	0.8	9.4	0.03	< 0.01	5.2	0.12	0.06	1.20	46	< 0.05	6.05	24	2.0
602113	2669407	< 0.05	4.3	1.6	0.6	10.6	0.05	< 0.01	2.4	0.10	0.02	0.60	55	< 0.05	6.55	22	2.0
602114	2669407	< 0.05	4.8	2.0	0.6	21.4	0.01	< 0.01	1.8	0.09	0.06	1.25	36	< 0.05	10.05	22	2.0
602115	2669407	< 0.05	2.6	0.6	0.6	8.2	0.02	< 0.01	4.0	0.13	0.06	0.70	48	< 0.05	5.55	28	1.5
602116	2669407	< 0.05	2.9	0.4	0.8	7.8	0.04	0.01	3.8	0.19	0.06	0.70	64	< 0.05	4.40	34	2.0
602117	2669407	< 0.05	3.5	0.6	0.8	8.6	0.03	0.01	4.8	0.16	0.08	0.80	51	< 0.05	5.55	36	2.5
602118	2669407	< 0.05	3.8	0.6	1.0	9.6	0.01	< 0.01	5.4	0.12	0.06	0.65	43	< 0.05	6.95	48	2.0
602119	2669407	< 0.05	7.3	3.6	2.0	7.4	< 0.01	0.44	4.6	0.39	0.68	0.55	303	0.70	0.80	72	1.0
602120	2669407	< 0.05	4.4	0.6	0.8	8.8	0.06	0.07	6.4	0.19	0.14	0.75	71	< 0.05	5.20	50	1.5
602121	2669407	< 0.05	3.6	0.6	0.8	6.8	0.05	< 0.01	6.0	0.14	0.08	0.80	48	< 0.05	5.90	34	2.0
602122	2669407	< 0.05	1.7	0.2	0.6	12.4	0.01	< 0.01	4.0	0.10	0.10	0.90	34	< 0.05	7.10	32	1.5
602123	2669407	0.35	< 0.1	4.4	1.0	6.4	0.03	0.33	10.4	0.31	0.26	1.30	193	< 0.05	3.60	40	0.5
602124	2669407	< 0.05	3.2	0.2	0.8	9.8	0.02	< 0.01	6.4	0.12	0.12	0.75	51	< 0.05	6.45	34	2.0
602125	2669407	< 0.05	2.8	0.4	0.8	8.2	0.04	< 0.01	5.0	0.11	0.06	0.80	38	< 0.05	5.30	22	1.5
602126	2669407	0.05	1.5	0.6	0.2	11.6	0.03	< 0.01	3.6	0.06	0.02	0.55	28	< 0.05	11.50	20	0.5
602127	2669407	< 0.05	2.6	0.6	0.8	8.8	0.03	< 0.01	5.2	0.10	0.12	0.75	36	< 0.05	5.70	26	1.5
602128	2669407	< 0.05	1.0	< 0.2	0.8	7.2	0.01	< 0.01	2.2	0.13	0.04	0.60	46	< 0.05	3.00	18	1.0
602130	2669407	< 0.05	3.3	1.4	1.0	23.4	0.01	0.02	1.4	0.08	0.04	0.45	48	< 0.05	12.60	42	2.0
602131	2669407	< 0.05	2.9	0.4	0.6	13.0	0.02	< 0.01	5.4	0.11	0.12	1.00	33	< 0.05	8.65	30	1.5
602132	2669407	< 0.05	3.6	0.8	1.0	6.8	0.04	< 0.01	7.2	0.21	0.08	0.75	92	< 0.05	3.90	42	2.5
602133	2669407	< 0.05	2.7	0.8	0.4	17.2	0.01	0.03	3.8	0.08	0.08	0.65	35	< 0.05	13.20	32	1.0
602134	2669407	< 0.05	2.0	0.6	0.6	11.0	0.03	0.01	5.4	0.11	0.10	1.30	34	< 0.05	7.10	24	2.0
602135	2669407	< 0.05	3.2	0.6	0.4	13.0	0.03	0.01	4.6	0.09	0.06	0.75	26	< 0.05	7.80	24	1.5
602136	2669407	< 0.05	2.5	0.4	0.8	8.4	0.05	0.02	4.4	0.17	0.10	0.85	56	< 0.05	4.75	30	2.0
602137	2669407	< 0.05	7.0	4.6	0.8	26.4	0.06	0.32	8.0	0.27	0.40	1.45	182	< 0.05	2.45	34	2.0
602138	2669407	< 0.05	6.6	12.6	0.8	7.6	0.02	0.67	17.2	0.30	0.42	0.75	488	< 0.05	2.50	28	1.0
602139	2669407	0.05	3.6	1.0	1.0	7.2	0.04	0.17	5.2	0.34	0.16	0.60	172	< 0.05	1.60	38	1.0
602140	2669407	< 0.05	4.3	1.0	0.4	8.4	0.04	0.02	2.2	0.07	0.02	0.65	29	< 0.05	4.85	14	1.5
602141	2669407	< 0.05	1.3	0.6	0.6	6.6	0.05	0.01	3.2	0.13	0.06	0.90	46	< 0.05	4.05	16	1.5
602142	2669407	< 0.05	2.7	0.6	0.6	6.8	0.04	< 0.01	3.4	0.14	0.06	0.65	48	< 0.05	5.55	22	1.5
602144	2669407	< 0.05	2.6	1.6	0.6	19.6	< 0.01	0.01	1.0	0.08	0.02	0.15	42	< 0.05	19.05	62	1.5

CERTIFICATION:



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CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight	Au ppb	Pt ppb	Pd ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ICP-MS	ICP-MS	ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
602145	2669407	1.18	< 1	0.5	< 1	0.17	1.96	0.5	< 10	62.8	0.50	0.08	0.14	0.05	26.6	2.4	27	0.85	14.4	2.89
602146	2669407	0.68	1	< 0.5	< 1	0.24	2.71	0.8	< 10	181.2	0.35	0.10	0.17	0.09	44.0	3.4	37	1.10	49.4	5.11
602147	2669407	0.50	1	0.5	< 1	0.06	1.98	< 0.1	< 10	33.0	0.25	0.04	0.11	0.06	24.3	3.2	17	0.70	5.4	1.92
602148	2669407	0.86	1	0.5	< 1	0.09	3.30	0.5	< 10	41.0	0.70	0.04	0.18	0.06	44.8	5.4	30	0.85	11.2	2.17
602149	2669407	0.82	< 1	0.5	< 1	0.14	2.87	< 0.1	< 10	18.0	0.30	0.04	0.22	0.10	35.0	5.1	24	0.45	13.0	2.86
602150	9400 225	0.10	16	0.5	1	0.44	2.53	4.4	< 10	79.6	0.05	0.06	1.76	0.12	15.80	26.3	20	0.55	376	3.93
602151	2669407	0.90	< 1	< 0.5	< 1	0.05	3.23	0.9	< 10	31.0	0.25	0.03	0.31	0.04	34.7	6.9	18	0.45	15.2	2.20
602152	2669407	0.84	1	0.5	< 1	0.19	2.08	0.4	< 10	27.2	0.35	0.07	0.12	0.07	31.9	2.7	31	0.80	11.6	2.44
602153	2669407	0.64	< 1	0.5	< 1	0.15	1.87	0.6	< 10	28.8	0.30	0.07	0.11	0.04	25.5	3.0	21	0.90	10.8	2.65
602154	2669407	0.88	< 1	0.5	< 1	0.29	2.03	0.2	< 10	117.2	0.45	0.07	0.20	0.07	33.6	3.7	27	1.45	35.0	3.40
602157	2669407	0.70	3	< 0.5	< 1	0.21	2.00	0.5	< 10	48.0	0.25	0.06	0.17	0.04	28.7	4.7	22	1.25	17.2	3.43
602158	2669407	0.68	1	0.5	1	0.06	1.53	0.4	< 10	56.6	0.10	0.04	0.17	0.07	27.6	5.2	21	0.45	13.2	2.19
602159	2669407	0.72	1	< 0.5	1	0.12	9.05	0.5	< 10	23.0	0.25	0.03	0.41	0.09	43.0	21.2	17	0.25	44.6	5.44
602161	2669407	0.94	2	0.5	1	0.03	5.28	0.5	< 10	36.0	0.25	0.04	1.13	0.10	70.9	61.5	32	0.35	135.0	5.60
602162	2669407	0.82	1	0.5	< 1	0.16	1.85	0.1	< 10	26.6	0.35	0.04	0.22	0.05	34.2	3.3	23	0.95	7.4	2.16
602163	2669407	0.74	1	0.5	< 1	0.07	3.67	< 0.1	< 10	40.0	0.25	0.03	0.40	0.10	39.9	11.1	22	0.50	29.0	2.92
602164	2669407	0.80	< 1	0.5	< 1	0.08	1.77	0.1	< 10	23.2	0.25	0.03	0.21	0.06	35.1	3.0	16	0.45	5.6	1.78
602165	2669407	0.88	< 1	< 0.5	< 1	0.06	1.54	0.1	< 10	23.8	0.25	0.04	0.18	0.03	31.4	3.1	16	0.70	5.8	1.64
602166	2669407	0.82	1	0.5	< 1	0.04	3.89	< 0.1	< 10	88.8	0.25	0.03	0.40	0.12	67.5	19.3	29	0.60	65.1	3.98
602167	2669407	0.84	1	1.5	2	0.04	3.55	< 0.1	< 10	9.4	0.05	0.02	0.16	0.01	4.74	0.4	115	0.30	6.0	9.93
602168	2669407	0.66	1	1.0	< 1	0.10	2.45	0.3	< 10	30.4	0.40	0.03	0.23	0.03	36.0	3.0	19	0.60	15.8	2.24
602170	2669407	0.70	< 1	1.0	< 1	0.11	3.31	0.7	< 10	30.4	0.15	0.03	0.20	0.08	20.6	7.3	21	0.40	25.4	3.59
602171	2669407	0.90	< 1	1.0	< 1	0.06	4.69	0.3	< 10	34.8	0.35	0.04	0.29	0.07	38.2	13.8	31	0.55	54.1	3.61
602172	2669407	0.80	2	2.0	9	0.04	3.46	0.1	< 10	36.6	0.05	0.03	0.27	< 0.01	6.18	0.3	108	0.45	8.0	10.15
602173	2669407	1.08	2	32.0	1	0.18	2.40	0.4	< 10	384.0	0.25	0.23	0.34	0.09	39.2	6.0	55	2.25	42.4	6.17
602174	2669407	0.88	< 1	0.5	< 1	0.06	1.84	< 0.1	< 10	21.4	0.45	0.03	0.21	0.06	34.1	2.7	15	0.45	6.2	1.86
602176	2669407	0.64	< 1	0.5	< 1	0.04	6.13	0.4	< 10	17.8	0.10	0.03	0.33	0.08	26.6	7.6	19	0.40	39.0	2.75
602177	2669407	0.60	5	1.0	5	0.80	2.64	0.5	< 10	195.8	0.05	0.55	0.02	0.09	22.3	2.3	96	1.50	78.1	13.10
602178	2669407	1.10	1	0.5	< 1	0.15	2.22	0.3	< 10	58.0	0.45	0.08	0.12	0.05	41.8	3.0	26	1.00	13.0	2.97
602179	2669407	0.90	2	1.5	5	1.22	3.41	1.0	< 10	37.4	0.15	1.20	0.02	0.06	35.1	2.4	84	2.60	130.5	>15.00
602180	2669407	0.74	1	2.0	3	0.24	1.75	0.1	< 10	135.0	0.15	0.16	0.06	0.07	19.55	2.9	59	1.55	36.8	5.34
602181	2669407	0.96	< 1	0.5	< 1	0.05	2.34	0.5	< 10	45.8	0.40	0.04	0.27	0.06	44.6	9.1	24	0.55	25.8	2.76
602182	2669407	0.72	3	< 0.5	4	0.88	1.57	0.8	< 10	109.6	0.30	0.66	0.17	0.04	33.1	2.8	35	1.70	38.2	9.09
602184	2669407	0.88	< 1	0.5	< 1	0.07	2.78	0.4	< 10	29.8	0.60	0.04	0.12	0.06	54.2	4.7	34	0.90	20.2	2.63
602185	2669407	0.84	< 1	0.5	< 1	0.05	2.66	< 0.1	< 10	36.0	0.25	0.03	0.30	0.05	39.7	5.5	22	0.40	22.0	2.06
602186	2669407	0.94	1	0.5	< 1	0.06	1.37	0.2	< 10	19.6	0.30	0.04	0.22	0.06	38.3	2.7	18	0.50	6.8	1.65
602187	2669407	0.80	2	7.5	2	0.64	2.30	0.7	< 10	127.4	0.30	0.37	0.04	0.13	46.7	2.0	41	1.20	77.4	10.35
602188	2669407	0.70	< 1	1.0	< 1	0.14	3.14	0.4	< 10	47.2	0.55	0.11	0.17	0.21	29.5	4.6	35	0.85	42.8	4.10
602189	2669407	0.78	1	0.5	1	0.04	6.35	0.8	< 10	35.6	0.20	0.03	0.29	0.12	37.1	13.1	28	0.35	33.8	4.16
602190	2669407	0.80	1	< 0.5	< 1	0.07	4.06	0.3	< 10	62.4	0.30	0.04	0.42	0.07	55.9	14.4	27	0.70	45.2	3.55

CERTIFICATION:



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CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
602145	2669407	8.95	0.05	0.04	0.06	0.015	0.15	13.8	8.1	0.28	85	2.60	< 0.01	5.75	5.8	790	10.0	9.6	< 0.001	0.06
602146	2669407	8.65	0.10	0.02	0.08	0.025	0.23	23.6	12.2	0.41	105	5.95	0.01	4.55	7.6	1230	7.6	10.5	< 0.001	0.18
602147	2669407	10.25	< 0.05	0.04	0.03	0.005	0.08	12.4	8.0	0.34	115	0.20	0.01	4.35	5.6	560	6.0	7.8	< 0.001	0.01
602148	2669407	8.80	0.05	0.08	0.02	0.020	0.09	20.6	15.5	0.45	140	0.25	0.01	4.75	10.4	750	7.2	9.8	< 0.001	0.01
602149	2669407	9.75	< 0.05	< 0.02	0.09	0.020	0.03	13.2	6.6	0.42	115	0.40	0.01	3.85	17.4	1790	7.0	4.1	< 0.001	0.03
602150	9400 225	8.55	0.20	< 0.02	0.12	0.005	0.52	7.2	5.3	1.31	375	4.65	0.18	0.05	15.2	920	8.2	14.5	0.019	1.99
602151	2669407	4.75	0.05	0.04	0.04	0.015	0.06	17.2	7.4	0.54	110	0.35	0.02	3.30	33.2	1410	4.6	5.2	< 0.001	0.01
602152	2669407	9.30	< 0.05	< 0.02	0.05	0.005	0.06	11.4	8.4	0.25	90	1.20	< 0.01	5.55	7.4	730	10.0	5.2	< 0.001	0.03
602153	2669407	8.75	0.05	0.04	0.05	0.015	0.07	10.6	7.5	0.24	85	0.90	0.01	6.65	6.0	580	8.8	7.5	< 0.001	0.02
602154	2669407	8.80	< 0.05	< 0.02	0.04	0.015	0.21	16.8	16.1	0.43	120	2.40	0.01	5.30	7.2	1100	8.6	14.8	< 0.001	0.10
602157	2669407	10.50	< 0.05	< 0.02	0.07	0.020	0.11	13.2	10.8	0.33	120	1.25	0.01	5.20	7.4	1120	9.0	11.3	< 0.001	0.05
602158	2669407	8.25	0.05	0.26	0.05	0.010	0.06	14.0	6.0	0.52	115	0.50	0.03	1.80	12.4	610	5.4	4.7	< 0.001	0.03
602159	2669407	8.95	0.10	0.16	0.12	0.035	0.01	18.4	6.1	1.23	370	1.00	0.04	1.30	96.6	3180	2.2	1.6	< 0.001	0.10
602161	2669407	7.75	0.25	0.12	0.05	0.030	0.03	26.8	8.6	2.15	630	1.35	0.10	0.80	215.5	4690	2.6	3.0	< 0.001	0.06
602162	2669407	4.80	< 0.05	0.08	0.05	0.015	0.07	15.2	13.7	0.28	95	0.50	< 0.01	4.45	8.0	1080	7.6	7.3	< 0.001	0.01
602163	2669407	5.70	0.10	0.14	0.06	0.025	0.05	18.6	8.2	0.68	190	0.90	0.03	2.65	50.7	1920	5.0	5.0	< 0.001	0.03
602164	2669407	4.70	0.05	0.08	0.03	0.015	0.05	16.0	8.2	0.24	95	0.30	0.01	3.80	6.2	1000	5.4	4.4	< 0.001	< 0.01
602165	2669407	6.75	0.10	0.02	0.01	0.010	0.07	13.0	8.7	0.28	100	0.25	0.01	3.55	6.2	940	6.2	8.0	< 0.001	0.01
602166	2669407	6.45	0.15	0.08	0.05	0.020	0.03	34.2	11.0	0.93	260	0.75	0.02	1.95	55.3	1550	4.2	5.0	< 0.001	0.04
602167	2669407	1.20	< 0.05	< 0.02	< 0.01	< 0.005	0.35	2.6	1.4	0.68	120	1.65	0.01	1.20	1.4	1040	1.4	2.8	< 0.001	0.16
602168	2669407	5.45	0.05	0.06	0.05	0.015	0.10	15.4	8.4	0.31	105	0.30	< 0.01	4.05	5.4	1090	6.0	8.0	< 0.001	0.02
602170	2669407	9.20	0.05	0.04	0.07	0.015	0.05	10.4	6.9	0.65	200	0.80	0.02	2.65	23.2	1200	4.4	4.2	< 0.001	0.04
602171	2669407	10.50	0.05	0.12	0.08	0.025	0.05	17.4	7.5	0.61	200	0.90	0.03	4.50	28.2	1180	8.6	5.0	< 0.001	0.04
602172	2669407	1.55	< 0.05	< 0.02	0.01	< 0.005	1.14	5.0	4.9	1.17	260	2.90	0.03	0.50	0.8	2220	1.4	8.1	< 0.001	0.85
602173	2669407	10.60	0.20	0.04	0.03	0.025	0.79	18.0	15.5	0.68	175	5.80	0.01	4.50	16.4	2080	11.0	34.4	< 0.001	0.61
602174	2669407	4.90	0.05	0.02	0.04	0.010	0.05	15.4	8.0	0.26	90	0.35	< 0.01	3.95	4.8	1130	5.6	4.3	< 0.001	0.01
602176	2669407	6.65	0.05	0.06	0.07	0.020	0.03	12.6	6.3	0.63	115	1.00	0.05	2.05	36.4	1730	2.4	2.7	< 0.001	0.06
602177	2669407	16.95	0.35	0.06	0.06	0.060	1.18	13.4	17.0	0.91	135	22.25	0.01	11.85	5.6	610	13.4	44.0	< 0.001	1.05
602178	2669407	8.45	0.05	0.08	0.02	0.025	0.14	18.8	11.0	0.31	90	2.15	0.01	6.15	7.0	630	11.0	10.9	< 0.001	0.07
602179	2669407	15.25	0.50	0.04	0.06	0.065	2.55	16.0	27.3	0.72	175	33.00	0.03	8.60	6.4	820	15.4	96.1	< 0.001	3.12
602180	2669407	19.85	0.15	0.12	0.01	0.025	0.38	11.8	9.2	0.46	80	7.60	0.01	11.45	8.4	300	15.0	20.9	< 0.001	0.21
602181	2669407	4.80	0.10	0.04	0.03	0.015	0.05	18.2	13.6	0.60	155	0.50	0.01	2.70	25.0	1040	7.4	5.8	< 0.001	0.01
602182	2669407	8.10	0.20	0.04	0.02	0.055	0.89	15.0	13.3	0.36	100	19.80	0.03	9.45	5.6	1000	8.6	40.2	< 0.001	1.26
602184	2669407	9.65	0.15	0.06	0.03	0.015	0.07	23.4	11.5	0.42	125	0.60	0.01	4.85	12.4	760	9.0	8.4	< 0.001	0.03
602185	2669407	5.45	0.05	0.02	0.05	0.015	0.04	20.0	9.3	0.46	95	0.55	0.02	4.00	25.6	1000	4.8	4.5	< 0.001	0.03
602186	2669407	5.15	< 0.05	0.02	0.03	0.005	0.04	15.6	12.2	0.24	95	0.45	< 0.01	3.50	6.4	930	9.6	4.3	< 0.001	0.01
602187	2669407	13.90	0.25	0.02	0.09	0.035	0.24	25.6	7.9	0.34	110	30.25	< 0.01	9.75	4.8	880	14.6	15.8	< 0.001	0.16
602188	2669407	10.65	0.05	0.08	0.05	0.020	0.07	14.2	10.6	0.35	120	1.20	0.01	7.45	9.2	970	16.2	6.0	< 0.001	0.04
602189	2669407	8.25	0.15	0.08	0.10	0.025	0.03	10.2	5.9	0.56	280	0.90	0.01	1.90	44.8	1990	5.4	2.8	< 0.001	0.09
602190	2669407	7.05	0.15	0.12	0.04	0.020	0.10	21.2	14.0	0.88	250	0.55	0.04	2.55	51.2	1630	4.5	10.5	< 0.001	0.02

CERTIFICATION: 



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
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WESTERN MINING CORP.

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Page Nur : 2-C
 Total Pag : 5
 Certificate : 20-JUL-2001
 Invoice No. : 10120467
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
602145	2669407	< 0.05	1.6	0.8	0.8	6.6	0.05	< 0.01	5.2	0.18	0.08	1.05	63	< 0.05	3.45	22	2.0
602146	2669407	< 0.05	1.9	1.2	0.6	8.6	0.02	< 0.05	3.6	0.19	0.10	0.95	81	< 0.05	4.35	28	1.0
602147	2669407	< 0.05	1.9	< 0.2	0.8	6.0	0.03	< 0.01	2.6	0.16	0.08	0.45	46	< 0.05	2.90	28	1.5
602148	2669407	< 0.05	3.4	0.2	0.8	7.4	0.03	0.03	4.0	0.15	0.10	0.75	46	< 0.05	5.95	40	2.0
602149	2669407	< 0.05	1.6	0.2	0.6	7.6	0.02	0.02	1.8	0.11	0.04	0.50	49	< 0.05	4.95	24	0.5
602150	9400 225	0.20	6.7	1.2	0.6	121.7	< 0.01	0.07	1.0	0.15	0.08	0.20	93	< 0.05	7.80	60	< 0.5
602151	2669407	< 0.05	2.1	0.6	0.2	10.8	0.01	< 0.01	3.8	0.09	0.04	0.60	29	< 0.05	7.10	18	1.5
602152	2669407	< 0.05	1.4	0.4	1.0	5.6	0.05	0.01	3.0	0.16	0.06	0.80	63	< 0.05	2.90	20	1.0
602153	2669407	< 0.05	1.6	0.8	0.8	5.6	0.05	< 0.01	3.2	0.18	0.06	0.65	52	< 0.05	3.05	16	1.5
602154	2669407	< 0.05	1.8	0.4	0.8	8.2	0.02	0.09	6.2	0.20	0.12	0.85	69	< 0.05	4.15	30	1.0
602157	2669407	< 0.05	1.5	0.8	1.0	7.2	0.03	< 0.01	2.4	0.17	0.10	0.75	65	< 0.05	4.45	30	1.0
602158	2669407	< 0.05	1.8	0.6	0.8	10.4	0.01	0.03	0.8	0.11	0.04	0.50	45	0.05	3.60	20	0.5
602159	2669407	< 0.05	5.2	1.6	0.2	13.8	< 0.01	0.07	1.6	0.08	0.02	0.45	38	0.05	14.10	40	2.0
602161	2669407	< 0.05	3.8	0.8	0.6	32.0	0.01	0.06	1.0	0.09	0.02	0.20	47	0.05	32.70	52	2.0
602162	2669407	< 0.05	1.9	0.6	0.6	7.2	0.04	0.04	3.6	0.11	0.08	0.75	36	0.10	4.45	24	2.0
602163	2669407	< 0.05	3.1	0.6	0.2	16.6	0.02	0.02	2.4	0.08	0.06	0.65	35	< 0.05	9.45	32	1.5
602164	2669407	< 0.05	2.1	0.2	0.6	9.4	0.04	< 0.01	3.2	0.10	0.06	0.60	36	0.10	4.65	22	1.5
602165	2669407	< 0.05	1.8	0.2	0.6	7.8	0.03	0.02	2.4	0.12	0.06	0.55	36	< 0.05	3.70	22	0.5
602166	2669407	< 0.05	2.9	0.6	0.6	18.0	0.01	0.01	1.6	0.08	0.06	1.15	42	< 0.05	13.95	42	0.5
602167	2669407	< 0.05	0.6	< 0.2	< 0.2	0.6	0.01	< 0.01	1.4	0.50	0.02	0.10	325	< 0.05	0.60	48	< 0.5
602168	2669407	< 0.05	2.3	0.8	0.8	8.8	0.04	0.01	3.0	0.11	0.08	0.65	44	0.10	4.60	22	1.5
602170	2669407	< 0.05	1.9	0.8	0.4	8.4	0.01	0.05	1.0	0.09	0.04	0.45	41	< 0.05	3.95	38	0.5
602171	2669407	< 0.05	3.7	1.2	0.6	11.4	0.03	0.05	3.6	0.13	0.08	0.80	51	< 0.05	8.35	36	2.0
602172	2669407	< 0.05	0.4	0.6	< 0.2	2.4	< 0.01	0.05	1.8	0.32	0.06	0.15	297	< 0.05	0.85	54	< 0.5
602173	2669407	< 0.05	5.1	1.2	0.8	9.4	0.01	0.18	2.6	0.21	0.24	0.60	132	0.10	7.25	44	1.5
602174	2669407	< 0.05	1.8	0.4	0.6	7.8	0.03	0.01	2.6	0.10	0.04	0.55	34	0.05	4.60	18	1.0
602176	2669407	< 0.05	3.5	1.2	0.2	13.4	0.01	0.05	2.2	0.07	0.02	0.60	24	< 0.05	7.35	22	1.5
602177	2669407	< 0.05	11.5	2.6	1.0	5.6	0.04	0.37	8.2	0.47	0.34	0.65	320	0.10	1.85	42	1.5
602178	2669407	< 0.05	2.8	0.6	0.8	7.6	0.04	0.03	7.2	0.19	0.12	0.85	58	0.10	4.55	26	2.5
602179	2669407	< 0.05	6.8	6.2	1.0	7.2	0.04	0.62	13.0	0.41	0.82	0.65	241	0.10	1.50	34	1.5
602180	2669407	< 0.05	3.1	1.6	1.6	7.6	0.04	0.10	10.4	0.37	0.16	0.80	156	0.20	1.65	28	3.0
602181	2669407	< 0.05	3.1	0.2	0.4	9.0	0.03	0.01	3.8	0.10	0.06	0.55	38	0.05	6.70	36	1.0
602182	2669407	< 0.05	3.4	3.6	1.2	9.2	0.07	0.12	5.4	0.26	0.54	0.70	268	0.20	3.80	34	2.0
602184	2669407	< 0.05	2.4	1.2	0.8	5.6	0.04	0.04	3.0	0.16	0.10	0.65	52	0.05	3.60	40	1.0
602185	2669407	< 0.05	2.0	0.6	0.4	11.8	0.03	< 0.01	2.4	0.09	0.08	0.85	27	< 0.05	6.55	26	0.5
602186	2669407	< 0.05	1.3	0.4	0.6	7.4	0.04	0.03	2.8	0.09	0.04	0.85	33	0.05	4.95	26	1.0
602187	2669407	< 0.05	2.7	1.4	1.0	6.0	0.03	0.25	20.4	0.42	0.14	0.80	248	0.10	1.85	32	1.5
602188	2669407	< 0.05	4.2	1.0	0.8	7.4	0.13	0.12	3.6	0.24	0.06	0.70	129	0.05	4.70	56	2.0
602189	2669407	< 0.05	3.0	1.6	0.2	14.6	0.03	0.05	2.2	0.07	0.04	0.50	29	< 0.05	6.05	36	2.0
602190	2669407	< 0.05	4.0	0.8	0.4	16.0	0.01	0.04	3.2	0.10	0.10	0.60	37	< 0.05	13.50	32	2.0

CERTIFICATION: _____

[Handwritten Signature]



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
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 Nevada, U.S.A.
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To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number: 3-A
 Total Pages: 5
 Certificate No.: 20-JUL-2001
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Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight Au Kg	ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
602191	2669407	1.08	5	2.0	2	0.61	2.21	0.7	< 10	75.2	0.15	0.48	0.05	0.05	20.9	2.6	129	2.95	76.1	11.60
602192	2669407	0.88	< 1	0.5	< 1	0.04	1.49	< 0.1	< 10	24.8	0.10	0.01	0.47	0.04	41.0	7.1	12	0.30	16.0	2.02
602193	2669407	0.94	< 1	0.5	< 1	0.05	1.86	0.2	< 10	35.0	0.25	0.02	0.30	0.06	38.1	7.1	18	0.40	25.8	1.94
602194	9400 225	0.12	12	0.5	1	0.33	2.38	2.8	< 10	69.0	0.05	0.06	1.68	0.10	15.00	22.6	19	0.55	366	3.75
602195	2669407	1.24	2	1.0	5	0.88	2.41	1.4	< 10	60.0	0.15	0.54	0.04	0.03	28.4	3.0	64	2.65	64.7	13.55
602197	2669407	0.68	< 1	1.0	1	0.08	2.59	0.4	< 10	47.2	0.40	0.12	0.14	0.13	24.8	5.7	37	1.45	24.0	3.69
602198	2669407	0.82	1	< 0.5	< 1	0.07	1.30	0.1	< 10	43.0	0.20	0.03	0.24	0.05	33.7	3.5	18	0.65	9.4	1.70
602200	2669407	0.68	< 1	0.5	< 1	0.05	1.52	0.5	< 10	21.0	0.20	0.05	0.09	0.05	26.3	2.1	18	0.55	6.8	2.01
609602	2669407	0.78	< 1	0.5	< 1	0.08	2.48	0.1	< 10	58.8	0.60	0.08	0.31	0.02	57.3	4.4	25	1.25	8.0	2.49
609603	2669407	0.78	< 1	1.5	2	0.20	2.26	0.5	< 10	153.6	0.45	0.04	0.71	0.07	77.2	24.9	21	0.85	66.7	3.50
609604	2669407	0.80	< 1	1.0	1	0.12	2.95	0.4	< 10	54.4	2.15	0.05	0.18	0.16	41.5	12.0	48	0.70	47.6	3.91
609605	2669407	0.76	< 1	0.5	< 1	0.06	4.28	0.1	< 10	32.6	0.30	0.04	0.31	0.08	40.3	17.5	29	0.55	68.7	3.78
609606	2669407	0.72	< 1	0.5	< 1	0.08	1.55	0.1	< 10	69.4	0.10	0.07	0.23	0.05	54.4	4.5	24	1.45	14.6	1.75
609607	2669407	0.82	< 1	4.0	1	0.08	1.39	< 0.1	< 10	90.4	0.35	0.06	0.42	0.06	57.4	4.7	21	1.45	9.0	1.63
609608	2669407	0.90	2	6.0	9	0.15	5.82	0.3	< 10	65.4	0.45	0.05	0.70	0.11	49.1	43.7	43	1.30	341	5.67
609609	2669407	0.82	< 1	0.5	< 1	0.10	2.68	0.2	< 10	20.2	0.20	0.04	0.15	0.06	26.9	2.6	24	0.40	9.2	2.37
609610	2669407	0.50	1	0.5	< 1	0.25	3.65	1.6	< 10	216.4	0.40	0.12	1.05	0.38	133.5	21.6	38	2.75	49.2	3.41
609612	2669407	0.82	< 1	< 0.5	< 1	0.08	2.32	0.5	< 10	18.4	0.25	0.03	0.25	0.06	37.6	5.2	16	0.40	22.6	2.21
609613	2669407	0.74	< 1	0.5	< 1	0.09	3.52	0.4	< 10	35.2	0.35	0.04	0.11	0.10	29.8	4.9	37	0.65	18.6	3.16
609614	2669407	0.52	< 1	0.5	< 1	0.05	1.92	0.2	< 10	114.0	0.30	0.07	0.29	0.04	53.3	6.3	26	1.70	11.0	2.30
609615	9400 225	0.12	8	2.5	1	0.42	2.62	5.5	< 10	71.2	0.10	0.09	1.94	0.15	17.30	26.9	20	0.60	421	4.42
609618	2669407	1.08	< 1	1.0	< 1	0.08	1.66	< 0.1	< 10	42.2	0.35	0.05	0.45	0.03	57.0	2.9	18	0.70	5.6	1.85
609619	2669407	0.82	1	1.5	< 1	0.07	2.61	0.3	< 10	35.6	0.10	0.04	0.11	0.10	25.0	4.2	25	0.35	121.5	2.82
609620	2669407	0.82	< 1	0.5	< 1	0.06	3.39	< 0.1	< 10	27.8	0.05	0.01	0.45	0.05	32.7	9.1	16	0.30	33.8	2.51
609621	2669407	0.82	1	1.0	< 1	0.06	3.05	< 0.1	< 10	17.2	0.30	0.04	0.12	0.05	28.1	4.3	25	0.40	27.4	2.62
609622	2669407	0.90	< 1	3.0	< 1	0.07	2.54	0.5	< 10	16.8	0.55	0.08	0.09	0.06	28.9	10.0	573	0.40	13.2	3.39
609623	2669407	0.78	< 1	0.5	< 1	0.04	4.33	0.1	< 10	29.0	0.20	0.03	0.26	0.07	33.2	7.2	22	0.45	23.6	3.18
609625	2669407	0.82	< 1	0.5	< 1	0.06	1.43	< 0.1	< 10	60.0	0.45	0.05	0.32	0.04	60.1	6.3	31	1.20	16.4	1.93
609628	2669407	0.90	1	0.5	< 1	0.28	2.78	0.4	< 10	151.0	0.35	0.11	0.18	0.04	41.1	2.7	40	1.15	22.2	4.70
609629	2669407	0.84	1	< 0.5	< 1	0.06	1.32	0.2	< 10	85.6	0.25	0.06	0.49	0.09	73.6	5.9	24	1.05	9.2	2.23
609631	2669407	0.90	< 1	0.5	1	0.04	3.08	0.3	< 10	37.4	0.20	0.04	0.31	0.06	39.0	7.7	28	0.50	25.8	2.61
609632	2669407	0.90	< 1	0.5	< 1	0.11	2.44	< 0.1	< 10	45.4	0.35	0.04	0.34	0.06	52.2	4.0	20	0.80	8.4	2.09
609633	2669407	1.06	< 1	0.5	< 1	0.10	1.31	< 0.1	< 10	70.2	0.35	0.08	0.47	0.05	65.6	4.7	19	1.15	8.4	1.97
609634	2669407	0.80	< 1	0.5	< 1	0.10	2.11	0.4	< 10	55.8	0.60	0.08	0.35	0.06	41.8	4.2	21	1.25	7.6	2.17
609635	2669407	0.98	< 1	< 0.5	< 1	0.06	3.52	< 0.1	< 10	21.4	0.20	0.03	0.25	0.08	38.2	10.2	20	0.50	22.4	3.01
609636	2669407	0.96	< 1	1.0	< 1	0.10	2.54	0.3	< 10	27.2	0.25	0.06	0.17	0.06	28.1	25.6	12	0.45	56.9	6.21
609637	2669407	0.84	2	0.5	< 1	0.05	1.86	< 0.1	< 10	28.6	0.15	0.03	0.26	0.08	29.8	6.4	22	0.40	21.8	2.11
609638	2669407	1.12	< 1	0.5	< 1	0.06	1.52	< 0.1	< 10	41.4	0.40	0.06	0.30	0.04	62.5	3.4	17	0.80	8.0	1.69
609639	2669407	0.88	< 1	0.5	< 1	0.05	2.45	0.1	< 10	31.2	0.05	0.02	0.30	0.08	51.0	4.7	22	0.55	18.0	1.81
609641	2669407	0.74	< 1	< 0.5	< 1	0.05	1.97	0.2	< 10	21.8	0.20	0.03	0.29	0.08	33.8	3.7	14	0.40	11.2	1.70

CERTIFICATION:



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
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 PHONE: 775-356-5395 FAX: 775-355-0179

WESTERN MINING CORP.

008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Num : 3-B
 Total Pag : 1
 Certificate D.: 20-JUL-2001
 Invoice No. : I0120467
 P.O. Number : MEDWMCQ7
 Account : GH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
602191	2669407	15.75	0.30	< 0.02	0.04	0.045	1.56	14.0	15.4	0.84	150	23.20	0.01	7.35	5.4	1170	12.2	73.5	0.003	1.62
602192	2669407	2.75	0.05	0.08	0.01	0.010	0.05	18.0	5.9	0.47	120	0.35	0.01	1.95	20.0	1880	3.8	4.1	< 0.001	0.01
602193	2669407	3.65	< 0.05	0.06	0.02	0.015	0.08	15.8	8.3	0.48	125	0.50	0.01	4.10	27.6	1180	4.2	7.2	< 0.001	0.02
602194	9400 225	7.40	0.15	0.02	0.20	0.005	0.50	6.4	5.2	1.25	360	4.25	0.17	0.10	14.0	840	20.4	13.7	0.013	1.88
602195	2669407	11.80	0.45	0.04	0.05	0.075	1.42	14.8	16.7	0.75	135	27.95	0.03	6.00	7.0	710	10.0	49.4	< 0.001	1.73
602197	2669407	9.95	0.10	0.06	0.04	0.020	0.15	11.4	11.9	0.54	155	1.45	0.01	4.85	12.6	700	36.0	12.6	< 0.001	0.03
602198	2669407	6.10	0.05	< 0.02	0.01	0.010	0.14	16.6	10.4	0.34	125	0.35	0.01	3.50	7.0	960	5.0	11.6	< 0.001	0.01
602200	2669407	8.20	0.05	0.02	0.01	0.015	0.04	11.2	4.9	0.17	75	0.50	< 0.01	5.05	5.2	520	8.2	5.2	< 0.001	0.01
609602	2669407	7.60	0.05	0.06	0.05	0.020	0.18	26.8	13.2	0.40	150	0.70	0.01	5.40	7.2	1210	9.4	16.4	< 0.001	0.03
609603	2669407	4.90	0.05	0.02	0.06	0.015	0.13	48.2	10.6	0.64	575	1.75	0.01	1.70	59.4	1730	6.0	13.4	< 0.001	0.11
609604	2669407	10.85	0.05	0.06	0.05	0.025	0.17	28.2	10.9	0.59	255	1.65	0.03	4.00	24.8	960	10.8	12.3	< 0.001	0.05
609605	2669407	11.75	0.15	0.08	0.05	0.030	0.05	18.2	7.6	0.67	245	0.80	0.02	4.20	30.6	1250	8.8	4.8	< 0.001	0.04
609606	2669407	7.25	0.10	0.08	0.03	0.015	0.21	25.4	11.6	0.40	120	0.45	0.01	3.70	12.6	760	9.8	22.3	< 0.001	0.03
609607	2669407	6.10	0.10	0.02	< 0.01	0.020	0.24	29.0	15.4	0.43	130	0.35	0.01	3.70	9.8	1220	7.4	24.4	< 0.001	0.01
609608	2669407	7.95	0.15	0.08	0.04	0.030	0.10	23.2	20.6	1.37	285	1.20	0.06	1.95	506.0	1980	16.8	14.3	< 0.001	0.05
609609	2669407	8.00	0.05	0.02	0.04	0.015	0.04	12.4	5.7	0.26	75	0.55	0.01	4.10	8.6	790	6.6	4.1	< 0.001	0.03
609610	2669407	16.45	0.20	0.08	0.04	0.035	0.50	64.8	30.2	1.25	230	0.85	0.01	4.95	25.0	4100	15.6	41.7	< 0.001	0.14
609612	2669407	4.50	0.05	0.06	0.03	0.005	0.04	15.6	7.2	0.30	100	0.40	0.01	2.80	19.4	1070	5.0	3.6	< 0.001	0.02
609613	2669407	8.75	0.05	0.08	0.05	0.020	0.07	12.8	10.4	0.43	100	0.70	0.01	5.15	14.2	560	10.2	6.7	< 0.001	0.02
609614	2669407	7.80	0.05	0.04	0.04	0.015	0.22	27.6	20.5	0.57	165	0.50	0.01	4.30	13.2	850	9.4	23.4	< 0.001	0.04
609615	9400 225	8.50	0.20	0.02	0.37	0.010	0.54	7.6	6.6	1.52	420	6.40	0.18	0.15	16.0	960	19.4	15.6	0.019	2.15
609618	2669407	4.55	0.05	0.06	0.02	0.010	0.12	27.8	8.1	0.27	105	0.45	< 0.01	4.80	4.8	1690	7.4	11.0	< 0.001	0.01
609619	2669407	8.95	< 0.05	< 0.02	0.04	0.020	0.03	12.2	3.5	0.24	85	0.70	0.01	2.05	16.8	770	5.0	3.4	< 0.001	0.03
609620	2669407	4.70	< 0.05	0.06	0.04	0.020	0.02	15.2	7.9	0.76	155	0.30	0.04	2.45	52.7	1510	3.8	2.2	< 0.001	0.02
609621	2669407	8.60	< 0.05	0.04	0.07	0.020	0.03	13.0	6.4	0.34	75	0.60	< 0.01	4.25	10.8	550	7.4	3.5	< 0.001	0.02
609622	2669407	7.70	0.05	0.06	0.03	0.015	0.01	14.8	12.6	2.08	100	0.85	< 0.01	3.55	48.0	330	8.4	2.2	< 0.001	0.01
609623	2669407	8.55	< 0.05	0.06	0.04	0.015	0.03	13.8	7.2	0.54	130	0.60	0.03	3.40	41.0	1440	4.8	3.3	< 0.001	0.03
609625	2669407	4.95	0.05	0.10	< 0.01	0.015	0.19	32.8	23.2	0.50	165	1.60	0.01	4.55	16.8	1020	13.6	18.9	< 0.001	< 0.01
609628	2669407	8.95	0.10	0.06	0.08	0.030	0.45	18.0	13.9	0.48	115	2.50	< 0.01	7.70	6.6	1150	11.2	21.2	< 0.001	0.37
609629	2669407	4.70	0.05	0.02	0.01	0.005	0.27	35.2	15.7	0.51	190	0.65	< 0.01	3.55	7.8	1760	7.4	23.8	< 0.001	0.08
609631	2669407	5.50	0.10	0.08	0.02	0.010	0.07	18.4	9.6	0.45	120	0.50	0.01	4.15	28.8	1120	6.4	7.1	< 0.001	0.01
609632	2669407	4.85	0.05	0.06	0.05	0.005	0.12	20.2	9.6	0.31	130	0.65	< 0.01	4.90	9.0	1240	7.6	12.8	< 0.001	0.02
609633	2669407	5.55	0.10	0.02	< 0.01	0.020	0.22	33.4	12.8	0.44	165	0.45	0.01	4.70	8.0	1410	8.2	19.9	< 0.001	0.01
609634	2669407	6.65	0.05	0.08	0.02	0.010	0.15	21.0	12.7	0.37	130	0.60	0.01	5.50	7.4	1200	9.0	14.6	< 0.001	0.01
609635	2669407	5.50	0.05	0.10	0.07	0.015	0.05	15.6	8.1	0.60	170	0.60	0.01	3.95	34.8	1370	6.4	5.2	< 0.001	0.02
609636	2669407	8.10	0.05	0.02	0.03	0.020	0.02	13.0	5.9	0.99	380	0.55	< 0.01	2.60	54.6	1170	9.0	2.6	< 0.001	0.02
609637	2669407	5.05	0.05	< 0.02	0.03	0.005	0.04	14.6	10.9	0.49	105	0.35	0.01	3.70	31.6	800	5.6	4.5	< 0.001	0.01
609638	2669407	4.95	0.05	0.06	0.04	0.015	0.11	35.6	10.5	0.28	100	0.40	< 0.01	4.15	6.8	1030	7.4	10.1	< 0.001	0.01
609639	2669407	3.75	0.05	0.04	0.03	0.015	0.07	25.2	6.8	0.41	85	0.60	< 0.01	3.15	19.4	1200	5.4	6.5	< 0.001	0.04
609641	2669407	3.50	< 0.05	0.02	0.03	0.005	0.04	16.2	7.4	0.33	85	0.35	< 0.01	3.30	17.0	1120	4.4	4.1	< 0.001	0.01

CERTIFICATION:



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks 89431
 Nevada, U.S.A.
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

1008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number: 13-C
 Total Pages: 5
 Certificate No.: 10120467
 Invoice No.: 10120467
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
602191	2669407	< 0.05	4.5	5.0	0.8	14.8	0.04	0.25	9.6	0.31	0.56	0.50	240	0.20	1.25	38	1.5
602192	2669407	< 0.05	1.6	0.2	0.2	10.4	0.02	0.04	3.0	0.06	0.04	0.55	25	< 0.05	10.00	22	1.0
602193	2669407	< 0.05	1.8	0.6	0.2	10.4	0.01	0.01	2.8	0.08	0.06	0.60	25	< 0.05	6.90	28	1.0
602194	9400 225	0.15	6.5	1.2	0.4	116.6	< 0.01	0.08	1.0	0.14	0.08	0.20	84	< 0.05	7.40	66	0.5
602195	2669407	< 0.05	5.2	3.2	2.6	9.2	0.03	0.13	12.2	0.29	0.44	0.60	239	0.15	1.20	40	2.5
602197	2669407	< 0.05	3.3	0.8	0.8	5.4	0.04	0.05	5.4	0.21	0.10	0.85	82	0.10	3.10	58	2.0
602198	2669407	< 0.05	1.8	0.2	0.6	9.0	< 0.01	0.02	2.8	0.12	0.10	0.60	37	< 0.05	4.80	36	1.5
602200	2669407	< 0.05	1.7	0.6	1.0	5.0	0.05	0.03	4.0	0.14	0.06	0.55	42	0.65	2.65	14	1.5
609602	2669407	< 0.05	2.2	0.2	0.8	14.6	0.01	0.02	3.8	0.16	0.14	1.20	49	0.15	6.30	32	2.0
609603	2669407	< 0.05	1.4	1.8	0.4	46.0	0.01	0.07	1.2	0.04	0.14	2.20	41	0.05	12.65	32	< 0.5
609604	2669407	< 0.05	3.3	0.8	0.6	11.4	0.02	0.05	2.0	0.14	0.10	2.20	71	0.05	6.70	52	0.5
609605	2669407	< 0.05	3.8	1.0	0.6	11.4	0.04	0.01	4.4	0.14	0.10	0.70	52	0.05	9.60	38	2.0
609606	2669407	< 0.05	1.8	0.2	1.0	11.2	< 0.01	0.01	1.6	0.13	0.14	1.50	34	0.10	5.85	32	1.5
609607	2669407	< 0.05	2.5	0.2	0.8	18.2	< 0.01	< 0.01	4.6	0.14	0.20	1.35	34	0.10	7.35	36	1.5
609608	2669407	< 0.05	4.2	1.6	0.6	31.8	< 0.01	0.10	3.6	0.10	0.22	0.75	51	< 0.05	12.10	74	2.5
609609	2669407	< 0.05	2.4	0.4	0.6	6.8	0.04	0.04	2.6	0.11	0.06	0.65	33	< 0.05	3.45	14	1.5
609610	2669407	< 0.05	5.4	0.6	1.8	37.2	< 0.01	0.08	10.4	0.36	0.54	2.15	102	0.05	15.50	106	3.0
609612	2669407	< 0.05	2.0	0.6	0.2	7.6	0.03	0.01	2.6	0.07	0.06	0.75	22	0.20	5.75	16	1.5
609613	2669407	< 0.05	3.7	0.8	0.6	6.0	0.03	0.05	5.2	0.16	0.08	0.60	50	< 0.05	4.10	26	2.0
609614	2669407	< 0.05	2.4	0.4	1.0	18.2	< 0.01	0.01	2.8	0.15	0.22	1.55	37	0.10	6.15	34	1.5
609615	9400 225	0.25	7.9	1.4	0.6	132.7	< 0.01	0.08	1.2	0.16	0.08	0.20	90	< 0.05	8.60	58	0.5
609618	2669407	< 0.05	1.9	0.2	0.6	17.6	0.03	0.05	4.0	0.12	0.10	1.10	35	0.15	8.00	18	2.0
609619	2669407	< 0.05	1.9	0.8	0.6	8.0	0.02	0.01	1.0	0.08	0.04	0.45	38	< 0.05	5.20	10	0.5
609620	2669407	< 0.05	2.8	0.8	0.2	17.8	0.03	0.05	3.0	0.06	0.02	0.50	22	< 0.05	8.45	20	1.5
609621	2669407	< 0.05	3.5	0.4	0.6	5.0	0.04	0.02	4.6	0.15	0.06	0.55	48	0.10	3.65	18	1.5
609622	2669407	< 0.05	2.9	0.8	0.6	5.2	0.04	0.08	4.8	0.15	0.06	0.90	53	0.05	3.35	18	2.0
609623	2669407	< 0.05	3.2	0.6	0.4	12.2	0.04	0.02	3.8	0.10	0.04	0.55	30	< 0.05	6.05	14	2.0
609625	2669407	< 0.05	2.8	0.2	0.6	10.8	0.01	0.03	7.2	0.13	0.18	3.55	34	0.15	9.45	40	3.5
609628	2669407	< 0.05	3.4	0.8	0.6	8.6	0.06	0.07	4.6	0.19	0.18	1.25	76	0.05	4.25	24	1.5
609629	2669407	< 0.05	2.4	0.6	0.6	19.0	< 0.01	0.03	6.4	0.15	0.20	1.15	48	0.10	8.00	32	2.0
609631	2669407	< 0.05	3.9	1.0	0.4	11.0	0.04	0.06	4.8	0.10	0.08	0.70	40	0.05	7.40	26	2.0
609632	2669407	< 0.05	2.1	0.6	0.6	13.6	0.04	< 0.01	4.4	0.11	0.12	1.10	35	0.30	6.60	18	2.0
609633	2669407	< 0.05	2.3	0.2	0.8	21.0	< 0.01	0.05	4.6	0.16	0.14	1.30	38	0.15	7.45	28	2.0
609634	2669407	< 0.05	2.3	0.8	0.8	16.4	0.04	0.03	4.8	0.16	0.14	1.50	39	0.15	6.35	26	2.5
609635	2669407	< 0.05	3.3	0.6	0.6	8.4	0.03	0.01	4.6	0.11	0.04	0.75	32	0.05	8.05	24	2.0
609636	2669407	< 0.05	3.2	1.0	0.6	8.6	0.01	0.04	2.8	0.13	0.06	0.45	38	< 0.05	7.75	26	1.5
609637	2669407	< 0.05	2.4	0.4	0.4	11.8	0.01	< 0.01	2.4	0.10	0.08	0.60	29	< 0.05	5.25	20	1.5
609638	2669407	< 0.05	1.7	0.2	0.8	16.8	0.01	0.09	2.6	0.12	0.10	1.65	29	0.25	7.45	20	1.5
609639	2669407	< 0.05	1.6	0.8	0.2	10.8	0.03	0.01	2.6	0.06	0.08	1.55	20	< 0.05	8.05	16	0.5
609641	2669407	< 0.05	1.8	0.6	0.2	10.0	0.04	0.09	3.0	0.07	0.06	0.80	20	< 0.05	5.80	14	1.0

CERTIFICATION: _____



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WESTERN MINING CORP.

3008 E. ARAPAHOE COURT, STE. 110
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CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu	Fe	
		Kg	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
609643	2669407	1.22	< 1	0.5	1	0.14	2.61	0.1	< 10	81.0	0.45	0.12	0.26	0.09	48.2	3.4	31	1.30	22.4	4.12
609644	2669407	0.86	< 1	0.5	1	0.11	5.42	1.2	< 10	22.6	0.15	0.04	0.26	0.06	19.90	10.0	25	0.50	28.8	4.13
609646	2669407	0.70	< 1	0.5	1	0.06	3.30	0.1	< 10	19.8	0.35	0.04	0.21	0.05	35.3	3.5	27	0.45	21.0	2.45
609647	2669407	0.66	< 1	< 0.5	< 1	0.14	2.56	0.2	< 10	26.6	0.30	0.04	0.23	0.04	46.6	3.5	27	0.75	9.0	1.78
609648	2669407	0.70	< 1	0.5	2	0.37	1.16	0.6	< 10	94.4	0.15	0.20	0.10	0.05	20.3	2.3	19	0.65	17.4	3.39
609649	2669407	0.88	< 1	0.5	< 1	0.05	1.45	0.1	< 10	41.8	0.35	0.03	0.36	0.10	35.6	7.3	18	0.60	27.2	1.94
609651	2669407	1.02	< 1	0.5	< 1	0.03	1.43	0.2	< 10	130.2	0.35	0.08	0.58	0.02	93.0	7.1	24	1.50	13.6	2.19
609652	2669407	0.84	< 1	0.5	< 1	0.10	2.98	0.4	< 10	80.0	0.70	0.08	0.14	0.07	53.9	9.9	47	1.10	23.0	4.38
609653	2669407	1.04	1	0.5	< 1	0.06	1.57	< 0.1	< 10	53.2	0.30	0.06	0.48	0.06	69.9	4.2	18	0.90	7.2	1.99
609654	2669407	0.64	< 1	0.5	< 1	0.07	2.78	0.7	< 10	29.8	0.10	0.05	0.28	0.06	21.4	8.2	17	0.45	26.6	3.38
609655	2669407	0.96	< 1	0.5	< 1	0.06	1.58	0.4	< 10	30.8	0.30	0.04	0.31	0.03	39.9	2.6	13	0.60	4.6	1.49
609656	2669407	0.82	< 1	0.5	< 1	0.10	1.94	0.1	< 10	92.0	0.45	0.06	0.37	0.03	64.9	6.3	24	1.75	10.0	2.49
609657	2669407	0.94	2	0.5	< 1	0.03	3.61	0.4	< 10	45.2	0.35	0.04	0.41	0.07	50.0	28.2	38	0.60	86.4	5.02
609658	2669407	1.08	< 1	0.5	< 1	0.10	1.43	< 0.1	< 10	75.4	0.25	0.08	0.35	0.04	65.2	5.4	20	1.55	9.0	2.11
609659	2669407	0.80	< 1	0.5	< 1	0.05	2.24	0.4	< 10	24.4	0.40	0.03	0.17	0.10	30.6	2.6	17	0.40	9.4	1.90
609660	2669407	1.10	2	0.5	< 1	0.09	1.74	< 0.1	< 10	88.4	0.40	0.11	0.51	0.02	82.7	6.4	23	1.55	12.6	2.36
609662	9400 225	0.14	19	0.5	1	0.49	2.65	3.3	< 10	73.6	0.15	0.06	1.91	0.19	17.00	25.8	19	0.60	407	4.23
609663	2669407	1.08	< 1	0.5	< 1	0.07	1.28	0.3	< 10	61.2	0.30	0.07	0.44	0.04	68.5	4.0	16	0.95	6.6	1.72
609664	2669407	0.50	< 1	0.5	< 1	0.17	1.71	0.1	< 10	110.2	0.35	0.07	0.23	0.01	45.0	4.9	24	2.10	10.4	1.93
609666	2669407	0.80	1	0.5	1	0.04	1.90	0.3	< 10	183.6	0.30	0.03	0.44	0.11	53.3	80.0	32	0.55	120.5	>15.00
609667	2669407	0.46	2	5.0	5	0.05	0.77	0.3	< 10	93.2	0.10	0.01	0.14	0.02	22.0	4.4	34	0.40	8.4	1.22
609668	2669407	0.94	1	0.5	< 1	0.07	1.49	< 0.1	< 10	41.6	0.25	0.09	0.31	0.04	57.3	3.8	20	0.95	7.2	2.27
609669	2669407	0.78	1	1.0	< 1	0.04	3.89	0.2	< 10	41.8	0.20	0.03	0.40	0.13	30.4	10.3	20	0.25	30.4	3.57
609670	2669407	0.98	< 1	0.5	< 1	0.08	1.72	0.3	< 10	31.6	0.05	0.01	0.34	0.05	46.9	6.1	16	0.40	18.4	1.82
609673	2669407	0.88	< 1	0.5	< 1	0.06	4.02	0.3	< 10	25.8	0.40	0.04	0.18	0.05	35.9	13.1	34	1.00	49.8	6.76
609675	2669407	0.92	< 1	0.5	< 1	0.08	1.90	0.4	< 10	51.8	0.45	0.08	0.33	0.05	51.5	4.2	19	1.05	9.4	1.85
609679	2669407	1.06	< 1	< 0.5	< 1	0.06	1.36	0.7	< 10	50.8	0.30	0.06	0.39	0.04	64.4	3.5	14	0.80	6.0	1.48
609680	2669407	1.04	< 1	< 0.5	< 1	0.06	1.70	0.5	< 10	103.4	0.35	0.09	0.48	0.05	72.8	6.0	22	1.80	11.4	2.41
609681	2669407	0.98	< 1	< 0.5	< 1	0.04	1.63	0.4	< 10	93.0	0.30	0.05	0.50	0.04	65.7	7.3	21	1.25	7.6	2.17
609683	2669407	0.82	< 1	0.5	< 1	0.09	2.50	0.1	< 10	30.4	0.30	0.04	0.19	0.05	41.2	5.3	23	0.70	9.6	2.27
609685	2669407	0.68	< 1	0.5	< 1	0.10	3.47	0.6	< 10	31.6	0.45	0.04	0.21	0.09	32.0	9.1	39	0.60	29.4	4.47
609686	2669407	0.98	< 1	0.5	< 1	0.06	2.63	0.1	< 10	30.2	0.20	0.01	0.44	0.06	42.4	10.7	22	0.45	25.2	2.62
609687	2669407	0.82	1	0.5	< 1	0.25	5.98	0.9	< 10	162.2	1.65	0.17	0.19	0.24	96.2	10.5	42	3.70	21.6	4.86
609688	2669407	0.86	< 1	0.5	< 1	0.09	1.53	< 0.1	< 10	36.2	0.30	0.07	0.38	0.06	47.1	3.6	17	1.05	5.8	1.88
609690	2669407	0.94	< 1	< 0.5	< 1	0.08	1.72	< 0.1	< 10	28.4	0.30	0.04	0.36	0.03	36.9	2.9	16	0.75	4.4	1.74
609692	2669407	1.08	< 1	< 0.5	< 1	0.05	1.24	< 0.1	< 10	55.0	0.40	0.06	0.42	0.03	67.6	3.3	15	0.80	6.6	1.62
609693	2669407	0.86	1	0.5	< 1	0.06	1.70	< 0.1	< 10	72.0	0.35	0.07	0.45	0.04	76.6	4.8	20	1.30	8.6	2.20
609695	94139400	0.76	< 1	0.5	< 1	0.05	4.11	< 0.1	< 10	43.2	0.30	0.02	0.39	0.06	31.1	9.4	17	0.40	30.2	2.60
609696	2669407	0.10	< 1	< 0.5	< 1	< 0.01	0.02	0.1	< 10	3.0	< 0.05	< 0.01	< 0.01	< 0.01	14.25	0.2	< 1	0.05	0.2	0.14
609701	2669407	0.72	< 1	1.0	< 1	0.11	1.99	0.4	< 10	44.6	0.30	0.13	0.08	0.04	31.6	3.2	20	0.90	32.6	3.21

CERTIFICATION: _____



ALS Chemex

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WESTERN MINING CORP.

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Page N : 4-B
 Total P : 5
 Certificate L : 20-JUL-2001
 Invoice No. : 10120467
 P.O. Number : MEDWMCO7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609643	2669407	5.75	0.15	0.10	0.02	0.025	0.35	24.6	12.8	0.43	120	9.25	< 0.01	5.55	9.6	1150	10.4	20.7	0.001	0.22
609644	2669407	9.60	< 0.05	0.06	0.07	0.020	0.02	9.2	6.9	0.80	200	0.85	0.04	2.50	52.8	1110	4.0	3.4	< 0.001	0.04
609646	2669407	6.35	0.05	0.12	0.07	0.015	0.04	17.2	8.6	0.35	90	0.60	< 0.01	4.95	21.2	900	10.0	4.5	< 0.001	0.02
609647	2669407	4.00	0.05	0.10	0.02	0.015	0.07	19.2	12.3	0.29	90	0.50	< 0.01	4.75	9.4	1010	7.6	7.2	< 0.001	0.01
609648	2669407	8.45	0.10	0.06	0.03	0.025	0.26	10.4	8.3	0.26	80	10.60	< 0.01	6.60	4.8	390	7.6	14.1	< 0.001	0.32
609649	2669407	4.95	0.05	0.06	< 0.01	0.015	0.10	17.6	12.9	0.58	145	0.55	0.02	3.80	47.4	910	5.4	10.5	< 0.001	0.01
609651	2669407	6.25	0.10	0.12	< 0.01	0.015	0.38	50.0	18.9	0.63	245	0.50	0.01	2.45	12.0	1620	8.4	32.6	< 0.001	< 0.01
609652	2669407	13.20	0.15	0.04	0.06	0.020	0.19	27.6	12.8	0.76	155	0.75	< 0.01	5.20	16.8	770	11.4	12.3	< 0.001	0.06
609653	2669407	4.45	0.05	0.08	< 0.01	0.010	0.17	33.0	12.1	0.36	140	0.50	< 0.01	4.85	6.8	1720	7.0	16.2	< 0.001	0.01
609654	2669407	10.40	0.05	0.06	0.05	0.020	0.05	9.8	5.7	0.88	150	1.10	0.05	3.35	40.8	1090	4.4	4.9	< 0.001	0.04
609655	2669407	4.60	< 0.05	0.06	0.01	0.010	0.07	19.2	7.8	0.22	85	0.35	< 0.01	4.15	5.0	1040	6.4	7.3	< 0.001	0.01
609656	2669407	7.15	0.10	0.08	< 0.01	0.015	0.28	34.2	20.7	0.60	185	0.75	< 0.01	5.75	10.4	1280	9.0	30.9	< 0.001	0.01
609657	2669407	9.80	0.10	0.06	0.04	0.025	0.06	19.2	13.5	1.30	340	0.75	0.02	2.80	73.4	1640	6.0	6.1	< 0.001	0.02
609658	2669407	6.80	0.15	0.02	0.01	0.015	0.24	34.0	13.2	0.48	175	0.70	0.01	4.90	8.6	1060	9.0	21.9	< 0.001	0.01
609659	2669407	5.75	< 0.05	0.02	0.04	0.015	0.06	14.8	6.2	0.25	60	0.50	< 0.01	4.40	7.2	650	7.2	5.8	< 0.001	0.02
609660	2669407	6.60	0.20	0.06	0.01	0.020	0.30	42.6	17.5	0.56	205	0.55	0.01	5.15	10.8	1630	9.4	28.1	< 0.001	0.01
609662	94001225	8.60	0.10	0.02	0.16	0.015	0.53	7.4	6.0	1.45	400	5.40	0.19	0.10	16.0	930	10.2	15.4	0.019	2.02
609663	2669407	4.65	0.05	0.06	< 0.01	0.015	0.18	34.0	9.8	0.34	135	0.50	< 0.01	4.60	5.8	1370	7.6	16.3	< 0.001	0.01
609664	2669407	7.70	0.05	0.02	0.05	0.015	0.30	25.6	13.3	0.54	165	0.45	0.01	4.00	10.0	620	8.0	27.1	< 0.001	0.05
609666	2669407	6.10	0.30	0.04	0.06	0.055	0.03	33.4	12.6	1.39	2970	2.35	0.02	0.65	179.4	1640	2.8	3.7	0.001	0.08
609667	2669407	3.65	0.05	< 0.02	0.05	< 0.005	0.21	13.0	3.1	0.37	65	0.50	< 0.01	1.10	15.0	300	2.6	9.8	< 0.001	0.05
609668	2669407	8.15	0.05	0.04	0.03	0.005	0.12	26.8	9.4	0.39	130	0.50	< 0.01	5.80	7.0	990	8.8	11.2	< 0.001	0.01
609669	2669407	8.35	0.05	0.02	0.05	0.015	0.02	15.6	6.2	0.78	105	1.15	0.04	1.65	42.8	1250	4.4	2.0	< 0.001	0.06
609670	2669407	3.80	0.05	0.02	< 0.01	0.005	0.09	21.0	7.4	0.52	115	0.45	0.01	4.00	25.2	1190	4.4	7.4	< 0.001	0.01
609673	2669407	12.40	0.20	0.12	0.06	0.045	0.08	14.0	8.7	0.77	180	1.70	0.01	3.05	27.0	1690	8.0	7.3	< 0.001	0.04
609675	2669407	5.55	0.10	0.02	0.03	0.010	0.16	23.2	12.2	0.35	130	0.40	0.01	4.35	8.4	1080	8.2	17.2	< 0.001	0.01
609679	2669407	4.90	0.10	0.06	0.01	0.010	0.14	33.4	9.9	0.33	115	0.40	< 0.01	4.20	5.8	1370	7.4	12.3	< 0.001	0.02
609680	2669407	7.30	0.05	0.06	< 0.01	0.015	0.33	36.0	17.6	0.54	190	0.75	0.01	5.15	10.0	1630	9.4	32.8	< 0.001	0.01
609681	2669407	5.25	0.10	0.04	0.01	0.010	0.27	31.0	19.1	0.55	245	0.60	0.01	4.10	9.2	1780	6.6	25.6	< 0.001	0.01
609683	2669407	5.60	0.05	0.04	0.03	0.015	0.08	16.6	10.8	0.37	115	0.85	0.01	5.15	16.2	860	8.2	7.9	< 0.001	0.01
609685	2669407	9.65	< 0.05	0.08	0.06	0.030	0.08	14.2	10.8	0.76	150	0.80	0.01	3.75	26.4	1390	7.2	8.2	< 0.001	0.03
609686	2669407	5.25	0.05	0.06	0.01	0.010	0.05	18.8	9.5	0.65	175	0.35	0.03	3.00	33.0	1560	4.2	5.7	< 0.001	0.01
609687	2669407	14.25	0.20	0.08	0.11	0.030	0.52	39.6	26.4	0.90	430	3.00	< 0.01	8.35	17.4	2370	18.2	55.3	< 0.001	0.07
609688	2669407	4.85	0.05	0.10	0.02	0.010	0.13	22.6	9.3	0.30	115	0.60	< 0.01	4.95	5.8	1510	7.8	12.6	< 0.001	0.01
609690	2669407	4.25	0.10	0.10	0.02	0.010	0.09	18.2	7.9	0.23	95	0.40	< 0.01	4.45	5.2	1400	6.8	9.0	< 0.001	0.01
609692	2669407	4.80	0.10	0.06	0.01	0.005	0.15	33.4	8.8	0.30	115	0.40	< 0.01	4.20	5.8	1510	7.0	14.2	< 0.001	0.01
609693	2669407	6.15	0.10	0.06	< 0.01	0.005	0.20	38.2	12.0	0.42	155	0.60	< 0.01	5.35	7.8	1680	8.8	19.4	< 0.001	0.02
609695	94139400	5.25	0.10	0.06	0.06	0.010	0.03	14.8	8.9	0.63	150	0.45	0.03	2.35	57.4	1220	5.4	3.7	< 0.001	0.04
609696	2669407	0.10	< 0.05	< 0.02	< 0.01	< 0.005	< 0.01	7.8	0.1	< 0.01	20	0.05	< 0.01	0.45	< 0.2	10	1.0	0.9	< 0.001	< 0.01
609701	2669407	14.05	0.10	0.02	0.03	0.020	0.07	14.4	10.9	0.40	110	1.20	< 0.01	6.15	6.4	810	11.4	8.9	< 0.001	0.04

CERTIFICATION:



ALS Chemex

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WESTERN MINING CORP.

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 80112

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 Invoice No.: 10120467
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS

A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609643	2669407	< 0.05	3.2	1.2	0.4	11.0	0.04	0.07	10.2	0.15	0.20	1.30	52	0.25	6.40	26	2.5
609644	2669407	0.05	3.3	0.8	0.6	12.0	0.02	0.07	2.2	0.11	0.06	0.40	42	0.05	5.80	24	2.5
609646	2669407	< 0.05	3.2	0.6	0.6	8.0	0.06	0.01	6.0	0.12	0.06	0.95	33	0.10	5.10	14	2.5
609647	2669407	< 0.05	2.7	0.8	0.6	7.4	0.06	0.03	6.2	0.10	0.08	1.45	28	0.15	5.75	16	2.5
609648	2669407	< 0.05	2.3	1.4	0.8	5.2	0.02	0.05	3.8	0.22	0.12	0.80	90	0.20	2.45	12	2.5
609649	2669407	< 0.05	2.2	0.2	0.6	15.8	0.01	0.03	3.6	0.11	0.10	0.70	30	< 0.05	5.80	22	1.5
609651	2669407	< 0.05	4.0	0.6	0.8	28.8	< 0.01	0.04	9.0	0.18	0.22	1.65	41	0.15	11.15	42	4.5
609652	2669407	< 0.05	2.6	0.6	0.8	11.0	0.01	0.04	2.8	0.24	0.12	1.00	134	< 0.05	4.95	40	1.5
609653	2669407	< 0.05	2.2	0.6	0.6	17.8	0.02	0.05	5.0	0.13	0.14	1.20	35	0.15	8.90	22	2.5
609654	2669407	< 0.05	1.9	1.0	0.8	18.6	0.01	0.04	1.8	0.12	0.06	0.75	36	< 0.05	4.00	16	1.0
609655	2669407	< 0.05	1.8	0.6	0.6	11.0	0.04	0.03	3.8	0.10	0.08	0.90	26	0.10	5.95	12	2.0
609656	2669407	< 0.05	2.8	0.2	0.8	16.6	< 0.01	< 0.01	6.2	0.21	0.24	1.55	43	0.50	7.30	38	2.5
609657	2669407	< 0.05	4.6	0.8	0.8	11.4	0.01	0.04	3.8	0.14	0.10	0.60	55	< 0.05	12.70	44	2.5
609658	2669407	< 0.05	2.4	< 0.2	1.0	18.8	< 0.01	0.02	3.4	0.18	0.16	1.50	40	0.15	6.55	30	1.5
609659	2669407	< 0.05	2.1	0.8	0.6	7.4	0.06	0.04	3.4	0.11	0.08	0.70	32	< 0.05	4.60	12	1.5
609660	2669407	< 0.05	2.5	0.2	0.8	21.6	< 0.01	0.01	5.6	0.17	0.20	1.70	43	0.15	8.90	40	2.0
609662	2400 225	0.15	7.4	2.0	0.6	133.4	< 0.01	0.15	1.4	0.16	0.08	0.20	86	< 0.05	8.35	56	0.5
609663	2669407	< 0.05	1.9	0.2	0.6	20.4	< 0.01	< 0.01	3.4	0.13	0.12	1.35	31	1.35	8.10	20	2.0
609664	2669407	< 0.05	1.9	0.2	1.0	20.2	< 0.01	0.02	2.0	0.15	0.20	1.80	32	0.10	4.15	34	1.5
609666	2669407	< 0.05	11.9	1.4	0.6	17.8	< 0.01	0.12	2.0	0.07	0.28	0.90	120	< 0.05	19.20	58	0.5
609667	2669407	< 0.05	0.8	< 0.2	0.2	9.6	< 0.01	< 0.01	0.6	0.09	0.08	0.90	30	< 0.05	2.30	12	0.5
609668	2669407	< 0.05	1.8	0.6	1.0	16.2	0.01	0.03	4.0	0.19	0.10	1.05	43	0.05	6.00	20	2.0
609669	2669407	< 0.05	2.1	1.0	0.4	23.6	0.01	0.01	1.4	0.08	0.02	0.75	27	< 0.05	8.25	14	0.5
609670	2669407	< 0.05	1.9	0.8	0.2	10.4	0.03	0.05	3.2	0.08	0.08	0.75	24	< 0.05	8.65	18	1.0
609673	2669407	< 0.05	7.3	0.8	0.8	6.6	0.04	0.03	3.6	0.15	0.08	0.55	97	0.05	9.85	34	3.5
609675	2669407	< 0.05	2.2	0.6	0.8	12.2	0.01	0.05	4.6	0.12	0.16	1.10	31	0.15	6.65	20	2.0
609679	2669407	< 0.05	1.8	0.6	0.6	18.6	< 0.01	0.04	2.6	0.12	0.10	1.25	25	0.15	7.45	20	1.5
609680	2669407	< 0.05	2.5	0.2	0.8	21.0	< 0.01	< 0.01	5.4	0.17	0.24	1.50	43	0.15	8.45	36	2.0
609681	2669407	< 0.05	2.2	0.4	0.6	19.4	< 0.01	0.05	5.4	0.16	0.18	1.10	40	0.20	7.75	36	3.0
609683	2669407	< 0.05	3.1	0.6	0.6	8.0	0.02	< 0.01	5.2	0.13	0.08	0.80	33	0.10	5.55	20	2.0
609685	2669407	< 0.05	3.7	1.0	0.6	7.0	0.03	0.07	3.6	0.14	0.08	0.55	51	< 0.05	5.90	32	2.0
609686	2669407	< 0.05	2.9	0.4	0.4	14.0	0.02	< 0.01	4.2	0.09	0.08	0.65	31	< 0.05	9.40	24	2.0
609687	2669407	< 0.05	3.8	1.6	1.0	18.2	0.03	0.09	7.6	0.22	0.40	2.30	77	0.40	6.00	72	4.0
609688	2669407	< 0.05	1.9	0.2	0.6	15.0	0.04	0.02	4.6	0.13	0.12	1.00	34	0.75	6.50	20	2.5
609690	2669407	< 0.05	1.9	0.8	0.6	13.4	0.06	0.04	4.6	0.11	0.08	1.25	28	0.45	6.75	16	2.5
609692	2669407	< 0.05	1.7	0.2	0.6	18.8	< 0.01	< 0.01	3.0	0.11	0.12	1.30	28	0.15	8.10	18	1.5
609693	2669407	< 0.05	2.4	0.4	0.6	21.4	0.01	0.03	7.4	0.15	0.16	1.40	39	0.50	8.85	26	2.0
609695	24139400	< 0.05	2.9	0.8	0.4	22.0	0.03	0.05	2.6	0.07	0.06	0.55	25	< 0.05	6.90	16	1.5
609696	2669407	< 0.05	< 0.1	< 0.2	< 0.2	1.0	< 0.01	< 0.01	1.0	< 0.01	< 0.02	0.30	< 1	< 0.05	3.40	< 2	< 0.5
609701	2669407	< 0.05	2.5	1.4	1.2	5.4	0.03	0.34	4.0	0.22	0.06	0.85	65	0.10	3.05	20	1.5

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

TO: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page No. : 5-A
 Total P. : 5
 Certificate No. : 20-JUL-2001
 Invoice No. : 10120467
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Weight Kg	Au ICP-MS	Pt ICP-MS	Pd ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
609705	2669407	0.86	< 1	0.5	< 1	0.08	2.74	0.6	< 10	45.2	0.65	0.03	0.20	0.05	41.4	4.7	24	0.70	9.6	2.24
609707	2669407	0.78	< 1	0.5	< 1	0.08	3.16	0.1	< 10	27.4	0.75	0.04	0.14	0.03	41.9	3.5	20	0.70	7.6	2.61
609712	2669407	0.90	< 1	0.5	< 1	0.15	2.76	0.2	< 10	29.6	0.60	0.04	0.15	0.07	39.3	3.9	26	0.70	9.4	2.32
609713	2669407	0.74	< 1	0.5	7	0.19	1.90	0.2	< 10	36.6	0.40	0.05	0.24	0.03	38.1	4.9	25	0.95	14.6	2.75
609716	9400 225	0.14	21	0.5	1	0.42	2.53	3.4	< 10	80.6	0.20	0.07	1.86	0.15	17.20	24.0	19	0.60	409	3.95
609719	2669407	0.92	3	8.0	4	0.88	4.73	0.8	< 10	188.0	0.45	2.21	0.10	0.13	23.5	6.2	80	2.40	96.1	10.40
609724	2669407	0.70	< 1	0.5	< 1	0.12	1.85	0.1	< 10	17.0	0.40	0.05	0.10	0.04	25.2	2.3	12	0.50	6.4	1.63
609730	2669407	0.80	1	2.0	1	0.15	2.77	0.5	< 10	60.6	0.65	0.34	0.15	0.45	29.4	9.6	61	2.30	79.4	6.69
609735	2669407	0.36	3	6.5	6	0.43	3.42	1.6	< 10	257.6	0.40	0.22	0.16	0.16	33.8	12.8	67	2.70	63.5	11.00
S-23	2669407	0.96	3	0.5	< 1	0.06	1.19	< 0.1	< 10	74.0	0.35	0.04	0.34	0.07	97.0	12.2	26	0.85	27.0	3.78
S-24	2669407	0.80	< 1	0.5	< 1	0.05	1.03	0.8	< 10	101.2	0.20	0.04	0.43	0.13	75.7	9.5	17	0.55	21.0	1.82
S-25	2669407	0.86	2	2.5	3	0.17	2.05	1.9	< 10	125.6	0.35	0.15	0.48	0.21	129.0	17.2	44	1.90	66.4	3.86
S-26	2669407	0.84	2	1.0	3	0.18	1.75	3.5	< 10	96.0	0.45	0.18	0.28	0.54	111.0	11.9	34	1.45	44.6	3.19
S-27	2669407	0.68	< 1	< 0.5	< 1	0.04	0.39	0.4	< 10	48.6	0.20	0.01	0.47	0.06	69.8	2.8	9	0.25	12.8	1.25
S-28	2669407	0.90	1	1.0	1	0.11	2.01	0.1	< 10	168.2	0.40	0.04	0.49	0.06	111.0	11.6	33	1.75	16.6	6.01
S-29	2669407	0.88	< 1	1.0	1	0.05	1.48	0.3	< 10	104.4	0.25	0.05	0.37	0.07	76.3	7.9	25	1.30	20.4	3.15

CERTIFICATION:



ALS Chemex

Chemex Labs, Inc.
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 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page No. : 5-B
 Total Pa. : 5
 Certificate L : 20-JUL-2001
 Invoice No. : 10120467
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120467

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609705	2669407	5.80	0.15	0.08	0.02	0.020	0.13	18.6	13.3	0.40	135	0.35 < 0.01	4.80	9.2	920	7.4	12.2 < 0.001	0.01		
609707	2669407	7.70	0.15	0.06	0.05	0.025	0.07	15.0	10.8	0.33	105	0.45 < 0.01	5.00	6.0	1030	7.0	7.2 < 0.001	0.02		
609712	2669407	6.60	0.05	0.10	0.04	0.020	0.07	17.0	10.2	0.30	100	0.50 < 0.01	4.90	7.8	890	6.6	8.8 < 0.001	0.01		
609713	2669407	7.95	0.05	0.06	0.03	0.015	0.11	15.4	13.6	0.46	140	0.40 < 0.01	5.20	10.0	1060	6.8	10.4 < 0.001	0.01		
609716	9400 225	8.30	0.15	0.06	0.28	0.015	0.50	7.4	6.1	1.39	390	5.60	0.18	0.10	15.6	910	10.6	15.2	0.013	1.86
609719	2669407	21.75	0.30	0.08	0.06	0.040	0.48	13.4	10.2	0.90	175	15.25	0.02	7.15	14.4	1060	624.0	21.8	0.001	0.47
609724	2669407	7.45 <	0.05	0.06	0.04	0.015	0.04	12.8	7.3	0.25	75	0.35 < 0.01	4.85	4.2	460	8.4	4.0 < 0.001	0.01		
609730	2669407	14.60	0.15	0.08	0.04	0.030	0.13	10.8	13.9	0.59	160	10.15 < 0.01	8.55	20.4	820	35.0	18.8 < 0.001	0.03		
609735	2669407	19.25	0.60	0.06	0.13	0.080	0.98	18.2	22.0	1.46	890	5.55 < 0.01	10.80	9.6	680	13.6	69.6 < 0.001	0.21		
S-23	2669407	4.65	0.15	0.02	0.02	0.015	0.14	45.2	19.4	0.36	800	4.70 < 0.01	3.05	13.0	1040	8.8	14.4 < 0.001	0.03		
S-24	2669407	3.85	0.10	0.02	0.02	0.015	0.13	36.8	14.7	0.30	385	3.45	0.01	2.05	11.8	1120	7.4	12.0 < 0.001	0.16	
S-25	2669407	6.85	0.15	0.08	0.06	0.035	0.32	60.8	45.0	0.72	1060	6.55	0.01	3.45	31.6	1430	21.2	35.2 < 0.001	0.10	
S-26	2669407	8.30	0.05 <	0.02	0.06	0.020	0.22	58.8	24.6	0.60	915	7.60	0.01	3.80	19.4	670	23.4	21.7	0.001	0.13
S-27	2669407	1.75	0.05	0.06 <	0.01	0.005	0.09	36.4	6.7	0.18	90	2.75 < 0.01	1.60	6.4	1580	3.0	8.6	0.001	0.51	
S-28	2669407	10.40	0.20	0.06	0.03	0.025	0.61	56.2	42.6	1.05	395	2.80	0.01	4.80	21.0	1640	10.4	56.8 < 0.001	0.06	
S-29	2669407	7.25	0.05 <	0.02 <	0.01	0.015	0.32	39.8	31.1	0.65	280	2.05	0.01	3.25	15.6	1180	9.0	31.1 < 0.001	0.07	

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

1008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 5-C
 Total P : 5
 Certificate No. : 20-JUL-2001
 Invoice No. : I0120467
 P.O. Number : MEDWMCO7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS

A0120467

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609705	2669407	< 0.05	3.5	0.6	0.6	9.4	0.03	0.04	5.2	0.13	0.10	0.75	37	0.15	4.95	30	3.0
609707	2669407	< 0.05	3.3	0.6	0.8	5.8	0.05	0.05	4.0	0.13	0.08	0.65	44	0.10	4.55	18	2.0
609712	2669407	< 0.05	3.5	0.4	0.6	7.4	0.04	< 0.01	3.8	0.14	0.08	0.70	42	0.10	5.85	20	2.0
609713	2669407	< 0.05	2.7	0.6	0.8	8.8	0.03	0.03	3.6	0.17	0.08	0.65	57	0.10	4.25	30	1.5
609716	9400 225	0.20	7.7	1.0	0.6	134.1	< 0.01	0.08	1.2	0.15	0.06	0.20	84	< 0.05	8.65	56	0.5
609719	2669407	0.05	9.5	4.0	1.4	18.0	0.06	0.33	10.8	0.48	0.22	1.70	272	0.05	3.80	20	2.0
609724	2669407	< 0.05	2.2	0.2	1.0	5.6	0.06	0.01	3.2	0.14	0.04	0.55	34	0.05	3.20	10	2.0
609730	2669407	< 0.05	4.1	1.2	1.4	10.4	0.10	0.13	12.2	0.39	0.12	0.85	136	0.05	5.70	52	3.0
609735	2669407	0.05	14.9	3.4	1.2	21.2	< 0.01	0.41	4.4	0.49	0.64	1.20	170	0.10	2.80	68	2.0
S-23	2669407	< 0.05	2.4	0.6	0.6	16.8	< 0.01	0.01	6.8	0.10	0.18	4.05	41	0.10	10.20	32	0.5
S-24	2669407	< 0.05	1.8	0.6	0.6	23.2	< 0.01	0.05	4.4	0.07	0.14	1.70	27	0.75	8.90	30	0.5
S-25	2669407	0.10	4.0	1.4	1.0	28.0	< 0.01	0.08	7.2	0.12	0.46	25.9	55	0.30	16.70	104	0.5
S-26	2669407	0.15	2.6	1.4	1.0	22.4	< 0.01	0.07	5.0	0.13	0.36	11.00	56	0.25	10.40	62	0.5
S-27	2669407	< 0.05	1.3	< 0.2	0.2	19.0	< 0.01	< 0.01	9.6	0.05	0.10	5.10	15	1.70	12.15	18	3.0
S-28	2669407	0.05	5.4	0.2	1.6	35.0	< 0.01	0.04	17.8	0.20	0.38	2.65	57	0.05	13.40	82	1.5
S-29	2669407	0.05	3.0	0.8	1.0	37.0	< 0.01	0.02	6.8	0.13	0.22	2.75	36	< 0.05	8.50	54	0.5

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 7,
 Sparks, NV, U.S.A. 89431-5730
 PHONE: 775-356-5395
 FAX: 775-355-0179

WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, CO
 80112, USA

INVOICE NUMBER

I 0 1 2 0 9 4 8

BILLING INFORMATION

Date: 30-JUL-2001
 Project: QU7
 P.O. No.: MEDWMCQ7
 Account: GGH

 Comments: ATTN: ANNETTE BURT

Billing: For analysis performed on
 Certificate A0120948

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS, INC.
 994 Glendale Ave., Unit 7,
 Sparks, NV USA 89431-5730

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
24	266 - Special prep procedure	1.50		
	SCR-01 - Screen - Save Plus Charge	0.50		
	LOG-22 - Samples received without barcode	0.50		
	- PGM-MS23	13.00		
	- ME-MS41	14.00		
	1433 - Weight of received sample	0.00	29.50	708.00
Total Cost \$				708.00
Client Discount (20%) \$				-141.60
TOTAL PAYABLE (U.S.) \$				566.40

[Handwritten signature]

[Handwritten initials]



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1 WESTERN MINING CORP.

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COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
24	266 - Special prep procedure	1.50		
	SCR-01 - Screen - Save Plus Charge	0.50		
	LOG-22 - Samples received without barcode	0.50		
	- PGM-MS23	13.00		
	- ME-MS41	14.00		
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Total Cost \$				708.00
Client Discount (20%) \$				-141.60
TOTAL PAYABLE (U.S.) \$				566.40



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WESTERN MINING CORP.

008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

A0120948

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120948

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 30-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
266	24	Special prep procedure
SCR-01	24	Screen - Save Plus Charge
LOG-22	24	Samples received without barcode

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
	1433	Weight of received sample	BALANCE	0.01	1000.0
Au-MS23	24	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	24	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	24	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Ag-MS41	24	Ag ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	100.0
Al-MS41	24	Al %: ICP + ICP-MS package	ICP	0.01	15.00
As-MS41	24	As ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
B-MS41	24	B ppm: ICP + ICP-MS package	ICP	10	10000
Ba-MS41	24	Ba ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Be-MS41	24	Be ppm: ICP + ICP-MS package	ICP	0.05	100.0
Bi-MS41	24	Bi ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
Ca-MS41	24	Ca %: ICP + ICP-MS package	ICP	0.01	15.00
Cd-MS41	24	Cd ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	500
Ce-MS41	24	Ce ppm: ICP + ICP-MS package	ICP-MS	0.02	500
Co-MS41	24	Co ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Cr-MS41	24	Cr ppm: ICP + ICP-MS package	ICP	1	10000
Cs-MS41	24	Cs ppm: ICP + ICP-MS package	ICP-MS	0.05	500
Cu-MS41	24	Cu ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Fe-MS41	24	Fe %: ICP + ICP-MS package	ICP	0.01	15.00
Ga-MS41	24	Ga ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Ge-MS41	24	Ge ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Hf-MS41	24	Hf ppm: ICP + ICP-MS package	ICP-MS	0.02	500.0
Hg-MS41	24	Hg ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
In-MS41	24	In ppm: ICP + ICP-MS package	ICP-MS	0.005	500.00
K-MS41	24	K %: ICP + ICP-MS package	ICP	0.01	10.00
La-MS41	24	La ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Li-MS41	24	Li ppm: ICP + ICP-MS package	ICP-MS	0.1	500
Mg-MS41	24	Mg %: ICP + ICP-MS package	ICP	0.01	15.00
Mn-MS41	24	Mn ppm: ICP + ICP-MS package	ICP	5	10000
Mo-MS41	24	Mo ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Na-MS41	24	Na %: ICP + ICP-MS package	ICP	0.01	10.00
Nb-MS41	24	Nb ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Ni-MS41	24	Ni ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
P-MS41	24	P ppm: ICP + ICP-MS package	ICP	10	10000
Pb-MS41	24	Pb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Rb-MS41	24	Rb ppm: ICP + ICP-MS package	ICP-MS	0.1	500

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



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 ENGLEWOOD, COLORADO
 80112

A0120948

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120948

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O.#: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 30-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
266	24	Special prep procedure
SCR-01	24	Screen - Save Plus Charge
LOG-22	24	Samples received without barcode

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Re-MS41	24	Re ppm: ICP + ICP-MS package	ICP-MS	0.001	50.0
S-MS41	24	S %: ICP + ICP-MS package	ICP	0.01	10.00
Sb-MS41	24	Sb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Sc-MS41	24	Sc ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Se-MS41	24	Se ppm: ICP + ICP-MS package	ICP-MS	0.2	1000
Sn-MS41	24	Sn ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Sr-MS41	24	Sr ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Ta-MS41	24	Ta ppm: ICP + ICP-MS package	ICP-MS	0.01	500.0
Te-MS41	24	Te ppm: ICP + ICP-MS package	ICP-MS	0.01	500
Th-MS41	24	Th ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Ti-MS41	24	Ti %: ICP + ICP-MS package	ICP	0.01	10.00
Tl-MS41	24	Tl ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	10000
U-MS41	24	U ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
V-MS41	24	V ppm: ICP + ICP-MS package	ICP	1	10000
W-MS41	24	W ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Y-MS41	24	Y ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Zn-MS41	24	Zn ppm: ICP + ICP-MS package	ICP	2	10000
Zr-MS41	24	Zr ppm: ICP + ICP-MS package	ICP-MS	0.5	500

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

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Page Numr : 1-A
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 Certificate D... : 30-JUL-2001
 Invoice No. : 10120948
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 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120948

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
609611	2669407	1.08	7	0.5	< 1	0.03	1.93	0.6	< 10	67.4	0.40	0.08	0.38	0.05	58.1	5.5	25	1.50	13.0	2.47
609616	2669407	1.02	1	0.5	< 1	0.06	1.78	0.5	< 10	94.0	0.40	0.09	0.46	0.06	80.2	6.1	30	1.75	11.2	2.53
609617	2669407	0.80	1	0.5	< 1	0.03	1.15	0.3	< 10	28.2	0.25	0.06	0.40	0.04	49.5	2.6	15	0.65	4.4	1.41
609624	2669407	0.92	1	0.5	< 1	0.11	1.70	0.1	< 10	34.2	0.50	0.06	0.32	0.07	46.8	3.1	18	0.75	6.0	1.67
609626	2669407	1.06	1	0.5	< 1	0.05	1.74	0.1	< 10	126.8	0.35	0.12	0.42	0.03	74.3	7.1	29	2.45	15.2	2.71
609627	2669407	0.88	< 1	0.5	< 1	0.09	1.91	0.1	< 10	90.0	0.65	0.11	0.36	0.06	74.4	6.4	28	1.70	11.8	2.62
609630	2669407	0.76	< 1	0.5	< 1	0.07	2.05	0.4	< 10	92.0	0.50	0.16	0.20	0.08	52.5	6.1	32	2.65	12.2	3.39
609640	2669407	0.96	< 1	0.5	< 1	0.02	1.06	0.1	< 10	36.0	0.20	0.07	0.48	0.03	58.8	3.0	16	0.70	6.2	1.50
609642	2669407	1.02	< 1	< 0.5	< 1	0.05	1.81	0.3	< 10	145.8	0.50	0.12	0.52	0.04	80.0	7.8	33	2.30	14.8	2.96
609645	2669407	1.02	< 1	0.5	3	0.05	1.56	0.1	< 10	89.8	0.50	0.11	0.36	0.08	68.7	5.2	25	1.75	11.4	2.40
609654	2669407	1.06	< 1	0.5	< 1	0.03	0.96	0.8	< 10	67.2	0.20	0.09	0.43	0.04	58.5	4.4	18	1.30	7.6	1.71
609661	2669407	1.02	< 1	< 0.5	< 1	0.01	1.48	0.1	< 10	133.8	0.45	0.11	0.58	0.03	72.7	10.1	30	2.05	11.4	2.79
609665	2669407	0.84	1	0.5	< 1	0.03	1.60	0.1	< 10	128.8	0.40	0.11	0.62	0.06	78.9	8.3	30	1.95	15.6	2.65
609671	2669407	1.20	< 1	< 0.5	< 1	0.04	1.74	0.4	< 10	116.4	0.50	0.10	0.41	0.05	76.6	6.9	31	2.40	13.6	2.79
609672	2669407	1.18	< 1	0.5	< 1	0.03	1.31	0.2	< 10	36.8	0.20	0.06	0.43	0.03	57.1	3.7	16	0.90	6.6	1.51
609674	2669407	0.92	< 1	0.5	< 1	0.03	1.65	0.3	< 10	89.8	0.40	0.10	0.36	0.07	62.8	5.6	24	1.90	12.4	2.26
609676	2669407	1.02	< 1	< 0.5	< 1	0.06	1.72	0.2	< 10	130.0	0.45	0.13	0.33	0.06	60.3	7.0	30	2.60	12.6	2.62
609677	2669407	0.98	< 1	0.5	< 1	0.65	0.98	0.1	< 10	57.8	0.20	0.09	0.39	0.03	46.2	4.6	21	1.60	7.2	1.94
609682	2669407	1.16	< 1	0.5	< 1	0.06	1.36	0.2	< 10	95.0	0.30	0.09	0.50	0.05	75.2	5.8	24	1.60	11.4	2.10
609684	2669407	1.24	< 1	0.5	< 1	< 0.01	1.20	0.4	< 10	89.4	0.40	0.09	0.50	0.03	69.8	5.4	22	1.45	10.2	2.03
609691	2669407	0.88	< 1	1.0	< 1	0.03	1.43	0.1	< 10	39.2	0.45	0.07	0.37	0.05	61.6	3.2	18	0.75	6.4	1.67
609697	2669407	0.96	< 1	0.5	< 1	0.08	1.24	< 0.1	< 10	34.8	0.35	0.10	0.13	0.06	34.0	2.5	15	1.00	7.4	1.52
609698	2669407	0.94	< 1	0.5	< 1	0.05	1.46	0.2	< 10	38.4	0.40	0.07	0.46	0.04	62.2	3.9	17	0.85	5.8	1.73
609700	2669407	1.16	3	0.5	< 1	0.05	1.64	0.3	< 10	120.4	0.35	0.13	0.53	0.03	88.8	7.7	27	1.95	14.2	2.53

CERTIFICATION: _____



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 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120948

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609611	2669407	6.30	< 0.05	0.08	0.04	0.015	0.24	29.6	15.9	0.47	175	0.60	0.01	5.25	10.6	1330	9.0	26.3	< 0.001	0.02
609616	2669407	7.10	0.05	0.08	0.03	0.025	0.28	42.8	15.2	0.55	175	0.70	0.01	5.10	10.8	1670	8.2	27.7	< 0.001	0.01
609617	2669407	4.10	0.05	0.08	< 0.01	0.015	0.09	25.4	6.4	0.23	85	0.45	0.01	3.90	5.0	1440	5.6	8.6	< 0.001	0.01
609624	2669407	5.20	< 0.05	0.06	0.04	0.015	0.08	24.0	8.9	0.25	105	0.35	0.01	4.15	6.2	1250	6.8	8.4	< 0.001	0.01
609626	2669407	8.05	0.05	0.10	< 0.01	0.025	0.39	40.0	19.6	0.65	210	0.80	0.01	4.90	12.6	1560	9.6	42.6	< 0.001	0.02
609627	2669407	7.05	0.05	0.10	0.01	0.015	0.24	38.2	17.1	0.53	180	0.65	0.02	5.25	11.2	1030	8.4	25.5	< 0.001	0.01
609630	2669407	13.70	0.05	0.08	< 0.01	0.025	0.31	22.6	13.6	0.56	185	1.00	0.01	7.35	11.4	1060	13.6	32.9	< 0.001	0.02
609640	2669407	4.05	0.05	0.08	< 0.01	0.015	0.11	31.4	7.5	0.25	100	0.55	0.01	4.35	5.0	1730	5.8	10.7	< 0.001	0.01
609642	2669407	8.10	0.05	0.10	0.01	0.015	0.43	45.0	24.6	0.73	240	0.75	0.02	5.45	14.4	1720	9.8	45.6	< 0.001	0.01
609645	2669407	7.65	0.05	0.10	0.03	0.010	0.23	36.4	13.2	0.46	140	0.85	0.01	4.90	9.6	1200	9.0	23.5	< 0.001	0.01
609654	2669407	5.30	0.05	0.08	0.01	0.010	0.19	31.2	9.1	0.39	140	0.55	0.02	4.35	7.4	1430	7.4	18.7	< 0.001	0.01
609661	2669407	6.75	0.05	0.08	< 0.01	0.015	0.35	39.0	21.5	0.64	360	0.85	0.02	4.65	11.8	1860	8.8	35.4	< 0.001	0.01
609665	2669407	7.45	0.05	0.08	0.01	0.020	0.37	40.2	20.2	0.69	260	0.65	0.03	4.95	14.0	1660	9.6	33.8	< 0.001	< 0.01
609671	2669407	8.45	0.05	0.08	0.04	0.015	0.35	34.8	17.9	0.64	200	0.75	0.01	5.00	12.4	1490	9.6	37.7	< 0.001	0.02
609672	2669407	4.15	< 0.05	0.06	0.01	0.010	0.13	28.8	8.7	0.27	125	0.40	0.01	4.05	6.4	1520	6.4	13.0	< 0.001	0.01
609674	2669407	7.75	< 0.05	0.08	< 0.01	0.010	0.28	34.2	14.3	0.47	170	0.70	0.01	4.10	10.0	1340	8.8	28.9	< 0.001	0.02
609676	2669407	9.20	< 0.05	0.06	0.02	0.020	0.40	32.6	18.2	0.66	200	0.90	0.01	5.15	12.2	1230	10.6	42.5	< 0.001	0.02
609677	2669407	6.95	< 0.05	0.08	0.02	0.015	0.17	25.0	8.5	0.43	155	0.70	0.02	4.85	8.2	1150	8.0	15.9	< 0.001	0.01
609682	2669407	5.55	< 0.05	0.10	< 0.01	0.015	0.24	38.6	15.0	0.50	190	0.50	0.03	4.30	9.8	1420	7.6	27.1	< 0.001	0.01
609684	2669407	5.65	< 0.05	0.08	0.03	0.015	0.27	35.8	14.3	0.48	175	0.50	0.02	4.50	9.4	1630	7.4	27.4	< 0.001	< 0.01
609691	2669407	5.50	< 0.05	0.08	0.01	0.015	0.09	32.8	7.6	0.26	95	0.45	0.01	4.55	5.0	1340	7.4	8.4	< 0.001	0.01
609697	2669407	7.75	< 0.05	0.08	0.07	0.010	0.10	20.0	6.9	0.22	75	0.45	0.01	4.60	4.6	380	9.8	11.0	< 0.001	0.01
609698	2669407	3.70	0.05	0.06	< 0.01	0.010	0.10	31.2	9.3	0.29	125	0.45	0.01	3.95	6.2	1760	6.2	10.5	< 0.001	0.01
609700	2669407	6.60	0.05	0.14	< 0.01	0.020	0.35	48.4	20.5	0.60	230	0.65	0.02	5.15	11.8	1700	9.2	37.0	< 0.001	0.01

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS A0120948

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609611	2669407	0.15	3.2	0.2	1.0	17.6	0.01	0.04	8.2	0.18	0.24	1.85	41	0.20	7.90	40	3.0
609616	2669407	< 0.05	3.1	< 0.2	1.0	22.2	0.01	0.04	6.6	0.19	0.22	1.50	46	0.30	9.20	38	2.5
609617	2669407	< 0.05	2.1	< 0.2	0.6	16.6	0.03	0.01	5.0	0.12	0.08	1.10	28	0.50	7.65	12	1.5
609624	2669407	< 0.05	2.7	< 0.2	0.8	16.2	0.05	0.01	4.6	0.12	0.10	1.35	30	0.20	6.75	18	1.5
609626	2669407	< 0.05	3.4	< 0.2	1.0	23.2	< 0.01	0.03	6.6	0.21	0.32	1.85	47	0.25	8.85	50	2.0
609627	2669407	< 0.05	3.3	< 0.2	1.0	20.6	0.01	< 0.01	6.8	0.20	0.20	1.65	45	0.25	7.70	38	2.5
609630	2669407	< 0.05	3.0	< 0.2	1.6	15.0	0.01	0.05	5.4	0.29	0.24	1.30	68	0.30	4.40	42	2.5
609640	2669407	< 0.05	1.9	< 0.2	0.6	19.2	0.01	0.01	3.8	0.12	0.10	1.35	29	0.80	9.60	18	1.5
609642	2669407	< 0.05	3.9	< 0.2	1.0	26.2	< 0.01	0.01	9.8	0.23	0.30	1.80	54	0.40	9.80	58	3.0
609645	2669407	< 0.05	2.8	< 0.2	1.2	19.6	< 0.01	0.04	7.6	0.21	0.18	1.65	44	0.15	7.65	30	2.5
609654	2669407	< 0.05	2.5	< 0.2	0.8	22.0	< 0.01	0.01	4.4	0.16	0.16	1.30	33	0.25	7.85	26	2.0
609661	2669407	< 0.05	3.5	< 0.2	1.0	29.0	< 0.01	0.04	8.2	0.22	0.22	1.45	52	0.55	9.65	48	2.5
609665	2669407	< 0.05	3.9	< 0.2	1.2	30.8	< 0.01	0.04	8.4	0.23	0.24	1.70	51	0.30	9.70	46	3.0
609671	2669407	< 0.05	3.0	< 0.2	1.2	22.4	< 0.01	0.03	5.2	0.21	0.28	1.75	49	0.25	8.40	48	2.0
609672	2669407	< 0.05	2.0	0.2	0.8	17.6	0.02	< 0.01	4.6	0.12	0.10	1.55	27	0.15	8.55	16	1.5
609674	2669407	< 0.05	2.3	0.2	1.0	18.8	< 0.01	0.01	2.8	0.17	0.20	1.60	40	0.20	8.20	32	1.5
609676	2669407	< 0.05	3.0	< 0.2	1.4	20.2	< 0.01	0.03	5.2	0.23	0.32	1.70	48	0.20	6.90	50	2.0
609677	2669407	< 0.05	2.5	< 0.2	1.0	21.8	< 0.01	0.05	3.8	0.20	0.12	1.30	37	0.25	6.35	28	2.0
609682	2669407	< 0.05	3.0	< 0.2	0.8	24.4	< 0.01	< 0.01	6.2	0.19	0.20	1.60	41	0.20	8.75	36	2.0
609684	2669407	< 0.05	2.7	< 0.2	0.8	22.6	< 0.01	0.01	6.4	0.17	0.20	1.35	37	0.25	8.80	34	2.5
609691	2669407	< 0.05	2.3	< 0.2	0.8	17.8	0.04	0.01	5.0	0.14	0.10	1.20	33	0.20	8.15	14	2.0
609697	2669407	< 0.05	1.7	< 0.2	1.2	12.6	0.02	0.01	3.0	0.17	0.10	1.45	29	0.10	3.95	14	1.5
609698	2669407	< 0.05	2.5	< 0.2	0.6	19.4	0.03	0.01	5.2	0.13	0.10	1.35	31	0.25	8.65	18	2.0
609700	2669407	< 0.05	3.5	< 0.2	1.0	26.4	< 0.01	< 0.01	10.4	0.20	0.24	1.90	45	0.25	10.55	46	3.0

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
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 8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Num: 1-A
 Total Pages: 30
 Certificate Date: 30-JUL-2001
 Invoice No.: IO120948
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120948

SAMPLE	PREP CODE	Weight Au		Pt		Pd		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS																	
609611	2669407	1.08	7	0.5	< 1	0.03	1.93	0.6	< 10	67.4	0.40	0.08	0.38	0.05	58.1	5.5	25	1.50	13.0	2.47		
609616	2669407	1.02	1	0.5	< 1	0.06	1.78	0.5	< 10	94.0	0.40	0.09	0.46	0.06	80.2	6.1	30	1.75	11.2	2.53		
609617	2669407	0.80	1	0.5	< 1	0.03	1.15	0.3	< 10	28.2	0.25	0.06	0.40	0.04	49.5	2.6	15	0.65	4.4	1.41		
609624	2669407	0.92	1	0.5	< 1	0.11	1.70	0.1	< 10	34.2	0.50	0.06	0.32	0.07	46.8	3.1	18	0.75	6.0	1.67		
609626	2669407	1.06	1	0.5	< 1	0.05	1.74	0.1	< 10	126.8	0.35	0.12	0.42	0.03	74.3	7.1	29	2.45	15.2	2.71		
609627	2669407	0.88	< 1	0.5	< 1	0.09	1.91	0.1	< 10	90.0	0.65	0.11	0.36	0.06	74.4	6.4	28	1.70	11.8	2.62		
609630	2669407	0.76	< 1	0.5	< 1	0.07	2.05	0.4	< 10	92.0	0.50	0.16	0.20	0.08	52.5	6.1	32	2.65	12.2	3.39		
609640	2669407	0.96	< 1	0.5	< 1	0.02	1.06	0.1	< 10	36.0	0.20	0.07	0.48	0.03	58.8	3.0	16	0.70	6.2	1.50		
609642	2669407	1.02	< 1	< 0.5	< 1	0.05	1.81	0.3	< 10	145.8	0.50	0.12	0.52	0.04	80.0	7.8	33	2.30	14.8	2.96		
609645	2669407	1.02	< 1	0.5	3	0.05	1.56	0.1	< 10	89.8	0.50	0.11	0.36	0.08	68.7	5.2	25	1.75	11.4	2.40		
609654	2669407	1.06	< 1	0.5	< 1	0.03	0.96	0.8	< 10	67.2	0.20	0.09	0.43	0.04	58.5	4.4	18	1.30	7.6	1.71		
609661	2669407	1.02	< 1	< 0.5	< 1	0.01	1.48	0.1	< 10	133.8	0.45	0.11	0.58	0.03	72.7	10.1	30	2.05	11.4	2.79		
609665	2669407	0.84	1	0.5	< 1	0.03	1.60	0.1	< 10	128.8	0.40	0.11	0.62	0.06	78.9	8.3	30	1.95	15.6	2.65		
609671	2669407	1.20	< 1	< 0.5	< 1	0.04	1.74	0.4	< 10	116.4	0.50	0.10	0.41	0.05	76.6	6.9	31	2.40	13.6	2.79		
609672	2669407	1.18	< 1	0.5	< 1	0.03	1.31	0.2	< 10	36.8	0.20	0.06	0.43	0.03	57.1	3.7	16	0.90	6.6	1.51		
609674	2669407	0.92	< 1	0.5	< 1	0.03	1.65	0.3	< 10	89.8	0.40	0.10	0.36	0.07	62.8	5.6	24	1.90	12.4	2.26		
609676	2669407	1.02	< 1	< 0.5	< 1	0.06	1.72	0.2	< 10	130.0	0.45	0.13	0.33	0.06	60.3	7.0	30	2.60	12.6	2.62		
609677	2669407	0.98	< 1	0.5	< 1	0.65	0.98	0.1	< 10	57.8	0.20	0.09	0.39	0.03	46.2	4.6	21	1.60	7.2	1.94		
609682	2669407	1.16	< 1	0.5	< 1	0.06	1.36	0.2	< 10	95.0	0.30	0.09	0.50	0.05	75.2	5.8	24	1.60	11.4	2.10		
609684	2669407	1.24	< 1	0.5	< 1	< 0.01	1.20	0.4	< 10	89.4	0.40	0.09	0.50	0.03	69.8	5.4	22	1.45	10.2	2.03		
609691	2669407	0.88	< 1	1.0	< 1	0.03	1.43	0.1	< 10	39.2	0.45	0.07	0.37	0.05	61.6	3.2	18	0.75	6.4	1.67		
609697	2669407	0.96	< 1	0.5	< 1	0.08	1.24	< 0.1	< 10	34.8	0.35	0.10	0.13	0.06	34.0	2.5	15	1.00	7.4	1.52		
609698	2669407	0.94	< 1	0.5	< 1	0.05	1.46	0.2	< 10	38.4	0.40	0.07	0.46	0.04	62.2	3.9	17	0.85	5.8	1.73		
609700	2669407	1.16	3	0.5	< 1	0.05	1.64	0.3	< 10	120.4	0.35	0.13	0.53	0.03	88.8	7.7	27	1.95	14.2	2.53		

CERTIFICATION: _____



ALS Chemex

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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
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 80112

Page Num: 1-B
 Total Page: 1
 Certificate D: 30-JUL-2001
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 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120948

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609611	2669407	6.30	< 0.05	0.08	0.04	0.015	0.24	29.6	15.9	0.47	175	0.60	0.01	5.25	10.6	1330	9.0	26.3	< 0.001	0.02
609616	2669407	7.10	0.05	0.08	0.03	0.025	0.28	42.8	15.2	0.55	175	0.70	0.01	5.10	10.8	1670	8.2	27.7	< 0.001	0.01
609617	2669407	4.10	0.05	0.08	< 0.01	0.015	0.09	25.4	6.4	0.23	85	0.45	0.01	3.90	5.0	1440	5.6	8.6	< 0.001	0.01
609624	2669407	5.20	< 0.05	0.06	0.04	0.015	0.08	24.0	8.9	0.25	105	0.35	0.01	4.15	6.2	1250	6.8	8.4	< 0.001	0.01
609626	2669407	8.05	0.05	0.10	< 0.01	0.025	0.39	40.0	19.6	0.65	210	0.80	0.01	4.90	12.6	1560	9.6	42.6	< 0.001	0.02
609627	2669407	7.05	0.05	0.10	0.01	0.015	0.24	38.2	17.1	0.53	180	0.65	0.02	5.25	11.2	1030	8.4	25.5	< 0.001	0.01
609630	2669407	13.70	0.05	0.08	< 0.01	0.025	0.31	22.6	13.6	0.56	185	1.00	0.01	7.35	11.4	1060	13.6	32.9	< 0.001	0.02
609640	2669407	4.05	0.05	0.08	< 0.01	0.015	0.11	31.4	7.5	0.25	100	0.55	0.01	4.35	5.0	1730	5.8	10.7	< 0.001	0.01
609642	2669407	8.10	0.05	0.10	0.01	0.015	0.43	45.0	24.6	0.73	240	0.75	0.02	5.45	14.4	1720	9.8	45.6	< 0.001	0.01
609645	2669407	7.65	0.05	0.10	0.03	0.010	0.23	36.4	13.2	0.46	140	0.85	0.01	4.90	9.6	1200	9.0	23.5	< 0.001	0.01
609654	2669407	5.30	0.05	0.08	0.01	0.010	0.19	31.2	9.1	0.39	140	0.55	0.02	4.35	7.4	1430	7.4	18.7	< 0.001	0.01
609661	2669407	6.75	0.05	0.08	< 0.01	0.015	0.35	39.0	21.5	0.64	360	0.85	0.02	4.65	11.8	1860	8.8	35.4	< 0.001	0.01
609665	2669407	7.45	0.05	0.08	0.01	0.020	0.37	40.2	20.2	0.69	260	0.65	0.03	4.95	14.0	1660	9.6	33.8	< 0.001	< 0.01
609671	2669407	8.45	0.05	0.08	0.04	0.015	0.35	34.8	17.9	0.64	200	0.75	0.01	5.00	12.4	1490	9.6	37.7	< 0.001	0.02
609672	2669407	4.15	< 0.05	0.06	0.01	0.010	0.13	28.8	8.7	0.27	125	0.40	0.01	4.05	6.4	1520	6.4	13.0	< 0.001	0.01
609674	2669407	7.75	< 0.05	0.08	< 0.01	0.010	0.28	34.2	14.3	0.47	170	0.70	0.01	4.10	10.0	1340	8.8	28.9	< 0.001	0.02
609676	2669407	9.20	< 0.05	0.06	0.02	0.020	0.40	32.6	18.2	0.66	200	0.90	0.01	5.15	12.2	1230	10.6	42.5	< 0.001	0.02
609677	2669407	6.95	< 0.05	0.08	0.02	0.015	0.17	25.0	8.5	0.43	155	0.70	0.02	4.85	8.2	1150	8.0	15.9	< 0.001	0.01
609682	2669407	5.55	< 0.05	0.10	< 0.01	0.015	0.24	38.6	15.0	0.50	190	0.50	0.03	4.30	9.8	1420	7.6	27.1	< 0.001	0.01
609684	2669407	5.65	< 0.05	0.08	0.03	0.015	0.27	35.8	14.3	0.48	175	0.50	0.02	4.50	9.4	1630	7.4	27.4	< 0.001	< 0.01
609691	2669407	5.50	< 0.05	0.08	0.01	0.015	0.09	32.8	7.6	0.26	95	0.45	0.01	4.55	5.0	1340	7.4	8.4	< 0.001	0.01
609697	2669407	7.75	< 0.05	0.08	0.07	0.010	0.10	20.0	6.9	0.22	75	0.45	0.01	4.60	4.6	380	9.8	11.0	< 0.001	0.01
609698	2669407	3.70	0.05	0.06	< 0.01	0.010	0.10	31.2	9.3	0.29	125	0.45	0.01	3.95	6.2	1760	6.2	10.5	< 0.001	0.01
609700	2669407	6.60	0.05	0.14	< 0.01	0.020	0.35	48.4	20.5	0.60	230	0.65	0.02	5.15	11.8	1700	9.2	37.0	< 0.001	0.01

CERTIFICATION: _____



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WESTERN MINING CORP.

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Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS

A0120948

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609611	2669407	0.15	3.2	0.2	1.0	17.6	0.01	0.04	8.2	0.18	0.24	1.85	41	0.20	7.90	40	3.0
609616	2669407	< 0.05	3.1	< 0.2	1.0	22.2	0.01	0.04	6.6	0.19	0.22	1.50	46	0.30	9.20	38	2.5
609617	2669407	< 0.05	2.1	< 0.2	0.6	16.6	0.03	0.01	5.0	0.12	0.08	1.10	28	0.50	7.65	12	1.5
609624	2669407	< 0.05	2.7	< 0.2	0.8	16.2	0.05	0.01	4.6	0.12	0.10	1.35	30	0.20	6.75	18	1.5
609626	2669407	< 0.05	3.4	< 0.2	1.0	23.2	< 0.01	0.03	6.6	0.21	0.32	1.85	47	0.25	8.85	50	2.0
609627	2669407	< 0.05	3.3	< 0.2	1.0	20.6	0.01	< 0.01	6.8	0.20	0.20	1.65	45	0.25	7.70	38	2.5
609630	2669407	< 0.05	3.0	< 0.2	1.6	15.0	0.01	0.05	5.4	0.29	0.24	1.30	68	0.30	4.40	42	2.5
609640	2669407	< 0.05	1.9	< 0.2	0.6	19.2	0.01	0.01	3.8	0.12	0.10	1.35	29	0.80	9.60	18	1.5
609642	2669407	< 0.05	3.9	< 0.2	1.0	26.2	< 0.01	0.01	9.8	0.23	0.30	1.80	54	0.40	9.80	58	3.0
609645	2669407	< 0.05	2.8	< 0.2	1.2	19.6	< 0.01	0.04	7.6	0.21	0.18	1.65	44	0.15	7.65	30	2.5
609654	2669407	< 0.05	2.5	< 0.2	0.8	22.0	< 0.01	0.01	4.4	0.16	0.16	1.30	33	0.25	7.85	26	2.0
609661	2669407	< 0.05	3.5	< 0.2	1.0	29.0	< 0.01	0.04	8.2	0.22	0.22	1.45	52	0.55	9.65	48	2.5
609665	2669407	< 0.05	3.9	< 0.2	1.2	30.8	< 0.01	0.04	8.4	0.23	0.24	1.70	51	0.30	9.70	46	3.0
609671	2669407	< 0.05	3.0	< 0.2	1.2	22.4	< 0.01	0.03	5.2	0.21	0.28	1.75	49	0.25	8.40	48	2.0
609672	2669407	< 0.05	2.0	0.2	0.8	17.6	0.02	< 0.01	4.6	0.12	0.10	1.55	27	0.15	8.55	16	1.5
609674	2669407	< 0.05	2.3	0.2	1.0	18.8	< 0.01	0.01	2.8	0.17	0.20	1.60	40	0.20	8.20	32	1.5
609676	2669407	< 0.05	3.0	< 0.2	1.4	20.2	< 0.01	0.03	5.2	0.23	0.32	1.70	48	0.20	6.90	50	2.0
609677	2669407	< 0.05	2.5	< 0.2	1.0	21.8	< 0.01	0.05	3.8	0.20	0.12	1.30	37	0.25	6.35	28	2.0
609682	2669407	< 0.05	3.0	< 0.2	0.8	24.4	< 0.01	< 0.01	6.2	0.19	0.20	1.60	41	0.20	8.75	36	2.0
609684	2669407	< 0.05	2.7	< 0.2	0.8	22.6	< 0.01	0.01	6.4	0.17	0.20	1.35	37	0.25	8.80	34	2.5
609691	2669407	< 0.05	2.3	< 0.2	0.8	17.8	0.04	0.01	5.0	0.14	0.10	1.20	33	0.20	8.15	14	2.0
609697	2669407	< 0.05	1.7	< 0.2	1.2	12.6	0.02	0.01	3.0	0.17	0.10	1.45	29	0.10	3.95	14	1.5
609698	2669407	< 0.05	2.5	< 0.2	0.6	19.4	0.03	0.01	5.2	0.13	0.10	1.35	31	0.25	8.65	18	2.0
609700	2669407	< 0.05	3.5	< 0.2	1.0	26.4	< 0.01	< 0.01	10.4	0.20	0.24	1.90	45	0.25	10.55	46	3.0

CERTIFICATION: _____



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To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

A0120946

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120946

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 23-AUG-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
225	1	Run as received
DRY-21	1	Drying Charge DRY-21
LOG-22	1	Samples received without barcode

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	1	Weight of received sample	BALANCE	0.01	1000.0
35	1	LOI %: Loss on ignition at 550C	FURNACE	0.1	100.0
9001	1	Ag ppm: selective leach ICP-MS	ICP-MS	0.002	1000
9002	1	Al ppm: selective leach ICP-MS	ICP-MS	1	50000
9003	1	As ppm: selective leach ICP-MS	ICP-MS	0.025	1000.0
9004	1	Au ppm: selective leach ICP-MS	ICP-MS	0.05	1000
9005	1	Ba ppm: selective leach ICP-MS	ICP-MS	0.05	2000
9006	1	Be ppm: selective leach ICP-MS	ICP-MS	0.001	10000
9007	1	Bi ppm: selective leach ICP-MS	ICP-MS	0.005	100.0
9008	1	Br ppm: selective leach ICP-MS	ICP-MS	0.5	20000
9009	1	Ca ppm: selective leach ICP-MS	ICP-MS	10	100000
9010	1	Cd ppm: selective leach ICP-MS	ICP-MS	0.01	100.0
9011	1	Ce ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9013	1	Co ppm: selective leach ICP-MS	ICP-MS	0.05	250
9014	1	Cr ppm: selective leach ICP-MS	ICP-MS	0.05	10000
9015	1	Cs ppm: selective leach ICP-MS	ICP-MS	0.005	100.0
9016	1	Cu ppm: selective leach ICP-MS	ICP-MS	0.05	2000
9017	1	Dy ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9018	1	Er ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9019	1	Eu ppm: selective leach ICP-MS	ICP-MS	0.005	500
9020	1	Fe ppm: selective leach ICP-MS	ICP-MS	5	100000
9021	1	Gd ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9022	1	Hg ppm: selective leach ICP-MS	ICP-MS	0.1	5000
9023	1	Ho ppm: selective leach ICP-MS	ICP-MS	0.005	250
9024	1	I ppm: selective leach ICP-MS	ICP-MS	0.1	5000
9025	1	K ppm: selective leach ICP-MS	ICP-MS	5	100000
9026	1	Li ppm: selective leach ICP-MS	ICP-MS	0.05	1000
9027	1	Lu ppm: selective leach ICP-MS	ICP-MS	0.005	250
9028	1	Mg ppm: selective leach ICP-MS	ICP-MS	1	100000
9029	1	Mn ppm: selective leach ICP-MS	ICP-MS	0.1	5000
9030	1	Mo ppm: selective leach ICP-MS	ICP-MS	0.01	1000
9031	0	Na ppm: selective leach ICP-MS	ICP-MS	10	100000
9032	1	Nb ppm: selective leach ICP-MS	ICP-MS	0.01	250
9033	1	Nd ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9034	1	Ni ppm: selective leach ICP-MS	ICP-MS	0.05	1000
9035	0	P ppm: selective leach ICP-MS	ICP-MS	5	50000
9036	1	Pb ppm: selective leach ICP-MS	ICP-MS	0.01	5000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

A0120946

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120946

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 23-AUG-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
225	1	Run as received
DRY-21	1	Drying Charge DRY-21
LOG-22	1	Samples received without barcode

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
9037	1	Pr ppm: selective leach	ICP-MS	0.005	250
9038	1	Rb ppm: selective leach	ICP-MS	0.01	250
9039	1	Sb ppm: selective leach	ICP-MS	0.005	250
9040	1	Se ppm: selective leach	ICP-MS	0.25	5000
9041	1	Sm ppm: selective leach	ICP-MS	0.005	1000
9042	1	Sn ppm: selective leach	ICP-MS	0.05	1000
9043	1	Sr ppm: selective leach	ICP-MS	0.05	500
9044	1	Tb ppm: selective leach	ICP-MS	0.005	250
9045	1	Te ppm: selective leach	ICP-MS	0.05	1000
9046	1	Th ppm: selective leach	ICP-MS	0.01	250
9047	1	Ti ppm: selective leach	ICP-MS	1	10000
9048	1	Tl ppm: selective leach	ICP-MS	0.005	250
9049	1	Tm ppm: selective leach	ICP-MS	0.005	250
9050	1	U ppm: selective leach	ICP-MS	0.005	100.0
9051	1	V ppm: selective leach	ICP-MS	0.05	1000
9052	1	W ppm: selective leach	ICP-MS	0.01	1000
9053	1	Yb ppm: selective leach	ICP-MS	0.005	250
9054	1	Zn ppm: selective leach	ICP-MS	0.2	2500
9055	1	Zr ppm: selective leach	ICP-MS	0.05	500
9056	1	B ppm: selective leach	ICP-MS	0.5	1000
9057	1	Ga ppm: selective leach	ICP-MS	0.05	1000
9058	1	Ge ppm: selective leach	ICP-MS	0.1	1000
9059	1	Hf ppm: selective leach	ICP-MS	0.01	1000
9060	1	In ppm: selective leach	ICP-MS	0.005	1000
9061	1	La ppm: selective leach	ICP-MS	0.005	1000
9062	1	Re ppm: selective leach	ICP-MS	0.001	1000
9063	1	Ta ppm: selective leach	ICP-MS	0.01	1000
9064	1	Y ppm: selective leach	ICP-MS	0.005	1000
8037	1	pH: pH of leach solution	POTENTIOMETER	0.1	14.0

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



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 80112, USA

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 23-AUG-2001
 Invoice No. : I0120946
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

* PLEASE NOTE

CERTIFICATE OF ANALYSIS	A0120946
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SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
602157	225 296	0.16	57.9	0.016	1385	0.325	< 0.05	61.5	0.008	0.005	2.0	1200	0.16	1.570	0.40

CERTIFICATION:

* 0.1M NaPyro. 1g/25ml FOR ONE HOUR AT ROOM TEMPERATURE.



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 80112, USA

Page Number : 1-B
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Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

* PLEASE NOTE

CERTIFICATE OF ANALYSIS	A0120946
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SAMPLE	PREP CODE		Cr ppm	Cs ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe ppm	Gd ppm	Hg ppm	Ho ppm	I ppm	K ppm	Li ppm	Lu ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602157	225	296	1.35	0.010	2.20	0.055	0.025	0.020	1605	0.100	< 0.1	0.010	1.3	255	< 0.05	< 0.005

CERTIFICATION: _____

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Page number : 1-C
 Total : 1
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Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0120946

SAMPLE	PREP CODE		Mg ppm	Mn ppm	Mo ppm	Na ppm	Nb ppm	Nd ppm	Ni ppm	P ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Se ppm	Sm ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602157	225	296	215	20.0	0.03	-----	0.27	0.690	1.50	-----	2.60	0.180	1.48	< 0.005	< 0.25	0.130

CERTIFICATION: *[Signature]*

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 80112, USA

Page Number : 1-D
 Total Pages : 1
 Certificate Date: 23-AUG-2001
 Invoice No. : I0120946
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 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

* PLEASE NOTE

CERTIFICATE OF ANALYSIS	A0120946
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SAMPLE	PREP CODE	Sn ppm ICP-MS	Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Tm ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS
602157	225 296	< 0.05	11.50	0.010	< 0.05	0.10	22	0.005	< 0.005	0.050	0.75	< 0.01	0.020	26.0	0.15

CERTIFICATION: *[Signature]*

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Page Number : 1-E
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 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

* PLEASE NOTE

CERTIFICATE OF ANALYSIS	A0120946
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SAMPLE	PREP CODE	B ppm ICP-MS	Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH				
602157	225 296	< 0.5	< 0.05	< 0.1	0.01	< 0.005	0.780	< 0.001	< 0.01	0.260	10.0				

CERTIFICATION: *[Signature]*

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 80112

A0121744

Comments: ATTN:PAUL TAUFEN CC: MARY DOHERTY

CERTIFICATE

A0121744

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 15-AUG-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
266	71	Special prep procedure
SCR-01	71	Screen - Save Plus Charge
LOG-22	71	Samples received without barcode

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
1433	71	Weight of received sample	BALANCE	0.01	1000.0
Au-MS23	71	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	71	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	71	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Ag-MS41	71	Ag ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	100.0
Al-MS41	71	Al %: ICP + ICP-MS package	ICP	0.01	15.00
As-MS41	71	As ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
B-MS41	71	B ppm: ICP + ICP-MS package	ICP	10	10000
Ba-MS41	71	Ba ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Be-MS41	71	Be ppm: ICP + ICP-MS package	ICP	0.05	100.0
Bi-MS41	71	Bi ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
Ca-MS41	71	Ca %: ICP + ICP-MS package	ICP	0.01	15.00
Cd-MS41	71	Cd ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	500
Ce-MS41	71	Ce ppm: ICP + ICP-MS package	ICP-MS	0.02	500
Co-MS41	71	Co ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Cr-MS41	71	Cr ppm: ICP + ICP-MS package	ICP	1	10000
Cs-MS41	71	Cs ppm: ICP + ICP-MS package	ICP-MS	0.05	500
Cu-MS41	71	Cu ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Fe-MS41	71	Fe %: ICP + ICP-MS package	ICP	0.01	15.00
Ga-MS41	71	Ga ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Ge-MS41	71	Ge ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Hf-MS41	71	Hf ppm: ICP + ICP-MS package	ICP-MS	0.02	500.0
Hg-MS41	71	Hg ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
In-MS41	71	In ppm: ICP + ICP-MS package	ICP-MS	0.005	500.00
K-MS41	71	K %: ICP + ICP-MS package	ICP	0.01	10.00
La-MS41	71	La ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Li-MS41	71	Li ppm: ICP + ICP-MS package	ICP-MS	0.1	500
Mg-MS41	71	Mg %: ICP + ICP-MS package	ICP	0.01	15.00
Mn-MS41	71	Mn ppm: ICP + ICP-MS package	ICP	5	10000
Mo-MS41	71	Mo ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Na-MS41	71	Na %: ICP + ICP-MS package	ICP	0.01	10.00
Nb-MS41	71	Nb ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Ni-MS41	71	Ni ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
P-MS41	71	P ppm: ICP + ICP-MS package	ICP	10	10000
Pb-MS41	71	Pb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Rb-MS41	71	Rb ppm: ICP + ICP-MS package	ICP-MS	0.1	500
Re-MS41	71	Re ppm: ICP + ICP-MS package	ICP-MS	0.001	50.0

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



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8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

A0121744

Comments: ATTN:PAUL TAUFEN CC: MARY DOHERTY

CERTIFICATE

A0121744

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 15-AUG-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
266	71	Special prep procedure
SCR-01	71	Screen - Save Plus Charge
LOG-22	71	Samples received without barcode

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
S-MS41	71	S %: ICP + ICP-MS package	ICP	0.01	10.00
Sb-MS41	71	Sb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Sc-MS41	71	Sc ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Se-MS41	71	Se ppm: ICP + ICP-MS package	ICP-MS	0.2	1000
Sn-MS41	71	Sn ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Sr-MS41	71	Sr ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Ta-MS41	71	Ta ppm: ICP + ICP-MS package	ICP-MS	0.01	500.0
Te-MS41	71	Te ppm: ICP + ICP-MS package	ICP-MS	0.01	500
Th-MS41	71	Th ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Tl-MS41	71	Tl %: ICP + ICP-MS package	ICP	0.01	10.00
Tl-MS41	71	Tl ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	10000
U-MS41	71	U ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
V-MS41	71	V ppm: ICP + ICP-MS package	ICP	1	10000
W-MS41	71	W ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Y-MS41	71	Y ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Zn-MS41	71	Zn ppm: ICP + ICP-MS package	ICP	2	10000
Zr-MS41	71	Zr ppm: ICP + ICP-MS package	ICP-MS	0.5	500

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 80112

Page Number : 1-A
 Total Pages : 2
 Certificate Date: 15-AUG-2001
 Invoice No. : 10121744
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN:PAUL TAUFEN CC: MARY DOHERTY

CERTIFICATE OF ANALYSIS A0121744

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
609702	2669407	1.32	1	1.5	1	0.16	1.69	0.6	< 10	164.2	0.20	0.07	0.29	0.07	65.1	7.1	49	1.20	51.3	3.31
609800	2669407	0.94	5	6.0	34	0.47	2.36	1.3	< 10	177.0	0.15	0.77	0.06	0.21	29.3	3.5	127	2.80	122.0	11.80
609703	2669407	1.08	1	1.5	1	0.27	2.13	0.4	< 10	155.6	0.35	0.05	0.28	0.05	63.4	6.5	50	1.60	38.8	2.84
609704	2669407	1.04	< 1	0.5	1	0.15	1.94	0.3	< 10	186.0	0.30	0.04	0.38	0.08	69.0	7.6	45	1.25	42.0	2.61
609706	2669407	0.88	< 1	0.5	< 1	0.10	1.01	0.2	< 10	90.4	0.15	0.04	0.38	0.05	53.7	5.0	28	0.80	25.4	1.75
609708	2669407	1.30	< 1	0.5	< 1	0.57	2.56	0.7	< 10	102.4	0.55	0.05	0.26	0.09	39.5	6.8	51	1.45	28.8	3.42
609710	2669407	1.00	< 1	1.5	1	0.09	1.55	0.6	< 10	225.8	0.20	0.06	0.49	0.06	102.0	14.5	51	2.30	41.2	2.80
609714	2669407	1.00	1	0.5	< 1	0.29	1.73	0.2	< 10	89.4	0.30	0.07	0.25	0.12	61.1	5.7	39	1.20	36.8	2.38
609717	2669407	1.06	< 1	1.0	1	0.11	1.28	0.2	< 10	64.8	0.15	0.04	0.37	0.06	42.3	5.9	32	1.00	26.0	1.90
609720	2669407	0.98	< 1	0.5	< 1	0.14	1.09	0.4	< 10	98.4	0.20	0.04	0.33	0.05	41.4	5.6	29	0.95	20.4	1.57
609721	2669407	0.90	< 1	0.5	1	0.18	1.54	0.3	< 10	124.0	0.20	0.03	0.35	0.09	50.6	5.1	33	1.00	43.0	2.29
609722	2669407	0.98	1	0.5	1	0.15	2.55	0.4	< 10	143.0	0.35	0.03	0.34	0.08	52.8	4.9	48	0.85	29.0	2.77
609725	2669407	0.76	1	1.5	2	0.25	2.79	0.9	< 10	221.6	0.40	0.22	0.26	0.12	51.2	5.4	77	1.00	67.6	5.29
609728	2669407	0.88	1	0.5	2	0.28	2.28	0.5	< 10	293.2	0.30	0.19	0.12	0.09	36.9	8.0	62	2.85	131.5	6.73
609729	2669407	0.82	1	0.5	1	0.18	1.85	0.3	< 10	150.8	0.25	0.07	0.33	0.08	52.8	8.4	49	1.40	42.2	3.24
609731	2669407	1.16	4	1.5	3	0.32	1.48	1.1	< 10	185.8	0.25	0.40	0.12	0.26	32.4	4.2	42	0.90	40.0	4.99
609732	2669407	1.06	< 1	0.5	< 1	0.08	0.91	< 0.1	< 10	80.4	0.20	0.03	0.33	0.04	40.4	3.1	26	0.55	22.8	1.64
609733	2669407	0.76	< 1	0.5	< 1	0.14	2.37	0.8	< 10	137.6	0.35	0.03	0.35	0.09	56.6	6.2	44	1.15	29.8	2.71
609737	2669407	0.98	3	1.0	2	0.74	2.56	1.2	< 10	163.0	0.40	0.30	0.10	0.13	23.4	3.9	88	1.55	61.6	7.75
609738	2669407	1.06	< 1	0.5	1	0.09	1.20	0.5	< 10	106.0	0.20	0.03	0.28	0.08	47.7	4.9	42	0.85	12.4	1.94
609739	2669407	0.80	1	0.5	< 1	0.13	1.48	0.3	< 10	101.0	0.25	0.05	0.30	0.05	41.2	5.2	35	1.30	23.8	2.12
609740	2669407	1.20	1	0.5	< 1	0.09	1.59	0.3	< 10	96.8	0.30	0.03	0.38	0.07	42.8	4.1	38	0.70	10.8	1.98
609742	2669407	1.08	1	0.5	< 1	0.09	1.54	0.1	< 10	189.2	0.25	0.03	0.31	0.05	58.0	6.5	51	1.15	21.2	2.02
609743	2669407	1.08	< 1	0.5	< 1	0.10	1.40	0.4	< 10	72.8	0.25	0.03	0.33	0.06	42.7	3.9	29	0.50	12.2	1.61
609744	2669407	1.18	1	0.5	1	0.13	1.46	< 0.1	< 10	148.2	0.20	0.05	0.33	0.06	48.5	4.8	38	1.00	34.8	2.35
609745	2669407	1.16	< 1	0.5	< 1	0.11	0.98	0.3	< 10	108.2	0.15	0.07	0.39	0.03	41.7	3.8	28	0.80	24.4	1.82
609746	2669407	0.96	< 1	0.5	< 1	0.16	1.25	0.1	< 10	162.8	0.20	0.04	0.34	0.06	51.3	5.8	37	0.90	40.2	3.11
609747	2669407	0.84	< 1	0.5	< 1	0.47	2.38	0.3	< 10	108.6	0.35	0.06	0.22	0.07	33.3	4.4	45	1.15	24.4	3.32
609748	2669407	0.86	< 1	0.5	< 1	0.14	2.25	0.4	< 10	182.2	0.30	0.04	0.38	0.06	50.3	6.8	49	1.25	35.6	2.53
609751	2669407	1.18	1	0.5	< 1	0.07	1.31	0.1	< 10	113.0	0.20	0.06	0.39	0.04	40.0	5.7	47	2.35	12.6	2.18
609752	2669407	1.02	1	0.5	1	0.15	1.55	0.3	< 10	184.6	0.25	0.06	0.24	0.07	48.4	5.4	50	1.30	44.8	3.05
609753	2669407	0.94	< 1	0.5	< 1	0.12	2.62	0.2	< 10	185.0	0.45	0.04	0.27	0.07	45.7	7.9	55	1.45	39.6	3.18
609754	2669407	1.22	2	1.5	4	0.46	2.43	0.7	< 10	281.0	0.30	0.19	0.35	0.10	46.2	3.6	76	1.20	39.8	5.27
609757	2669407	1.02	< 1	0.5	< 1	0.10	1.13	0.1	< 10	153.8	0.25	0.04	0.44	0.05	58.6	5.8	40	1.00	21.0	2.04
609758	2669407	0.96	< 1	0.5	< 1	0.13	1.80	0.4	< 10	119.2	0.25	0.03	0.36	0.06	47.1	6.5	48	0.85	20.0	2.30
609759	2669407	0.78	1	1.0	1	0.09	1.40	< 0.1	< 10	99.0	0.25	0.03	0.38	0.05	44.4	4.3	36	0.90	12.4	2.06
609761	2669407	0.98	4	4.5	8	1.51	2.52	0.8	< 10	141.8	0.30	0.37	0.05	0.17	43.1	1.8	87	1.20	107.0	13.60
609762	2669407	1.28	< 1	0.5	1	0.13	2.14	0.1	< 10	159.2	0.30	0.05	0.22	0.08	40.8	6.6	50	1.35	29.0	3.12
609763	2669407	0.98	< 1	0.5	1	0.13	1.39	< 0.1	< 10	100.0	0.25	0.04	0.37	0.05	48.0	4.7	32	1.00	27.4	1.79
609764	2669407	0.58	< 1	0.5	< 1	0.09	1.85	0.3	< 10	148.8	0.40	0.03	0.39	0.07	47.9	6.2	38	0.95	26.0	2.32

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 1-B
 Total Pages : 2
 Certificate Date: 15-AUG-2001
 Invoice No. : 10121744
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN:PAUL TAUFEN CC: MARY DOHERTY

CERTIFICATE OF ANALYSIS A0121744

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609702	2669407	6.10	0.05	0.08	0.02	0.015	0.34	34.4	17.3	0.69	145	3.35	0.01	3.95	21.4	1200	6.2	27.5<	0.001	0.01
609800	2669407	13.80	0.25	0.16	0.01	0.090	1.52	15.8	19.6	1.10	170	61.17	0.01	7.05	11.6	830	10.4	75.1<	0.005	1.43
609703	2669407	7.95	0.05	0.10	0.05	0.020	0.37	32.2	14.7	0.69	140	2.15	0.01	5.05	18.8	1140	6.4	28.1<	0.001	0.02
609704	2669407	6.25	0.05	0.08	0.01	0.020	0.42	35.0	14.9	0.73	160	1.55	0.01	4.55	20.6	1530	5.8	30.6<	0.001	0.01
609706	2669407	3.60	< 0.05	0.04	< 0.01	0.010	0.21	25.6	9.9	0.45	115	1.25	0.01	2.75	13.8	1500	3.4	18.0<	0.001	0.01
609708	2669407	7.15	< 0.05	0.08	0.04	0.025	0.23	19.4	15.0	0.64	145	2.30	0.01	4.45	19.0	1410	6.2	18.9<	0.001	0.03
609710	2669407	6.55	0.05	0.08	0.01	0.020	0.55	50.8	27.6	0.97	340	1.65	0.02	2.40	27.4	1460	4.6	49.7<	0.001	< 0.01
609714	2669407	7.45	< 0.05	0.06	0.04	0.015	0.20	30.4	12.3	0.54	115	1.95	0.01	4.20	16.6	1060	6.2	18.2<	0.001	0.02
609717	2669407	4.10	0.05	0.06	0.02	0.005	0.19	19.8	10.9	0.44	105	0.60	0.01	3.00	21.8	1390	3.6	13.9<	0.001	0.01
609720	2669407	4.55	0.05	0.06	0.01	0.010	0.24	20.2	11.8	0.45	100	1.10	0.01	3.20	13.8	1260	3.2	22.8<	0.001	0.01
609721	2669407	4.60	< 0.05	0.06	0.02	0.015	0.32	25.8	12.7	0.54	125	1.60	0.01	3.10	15.8	1360	4.2	25.0<	0.001	0.02
609722	2669407	5.05	0.05	0.06	0.03	0.015	0.33	28.0	12.1	0.54	115	1.50	< 0.01	4.20	13.6	1550	5.4	21.3<	0.001	0.03
609725	2669407	7.65	0.10	0.08	0.05	0.030	0.69	26.6	17.6	0.85	195	11.50	0.01	5.55	14.8	1170	8.0	33.9<	0.001	0.32
609728	2669407	8.85	0.15	0.18	0.03	0.025	0.50	17.2	18.2	0.83	170	3.85	0.01	5.50	21.6	1140	7.4	35.3<	0.001	0.18
609729	2669407	5.45	0.05	0.08	0.03	0.015	0.36	27.2	17.8	0.74	155	2.55	0.01	3.50	23.4	1410	5.8	25.4<	0.001	0.04
609731	2669407	12.55	0.10	0.02	0.05	0.025	0.24	16.0	8.3	0.45	90	13.90	0.01	5.65	11.0	800	12.0	14.7<	0.001	0.15
609732	2669407	3.30	0.05	< 0.02	0.02	0.005	0.19	19.8	7.1	0.36	85	1.35	0.01	2.35	9.8	1350	3.0	15.4<	0.001	0.01
609733	2669407	5.90	0.05	0.06	0.03	0.020	0.34	29.6	14.2	0.63	135	1.70	0.01	4.15	17.8	1550	5.8	22.6<	0.001	0.02
609737	2669407	10.85	0.15	0.06	0.07	0.045	0.24	14.6	11.8	0.66	120	26.65	< 0.01	9.00	12.2	1220	7.8	16.9<	0.001	0.10
609738	2669407	4.65	0.05	0.02	0.03	0.010	0.24	23.2	6.8	0.48	100	0.75	0.01	2.40	15.4	1280	3.8	17.9<	0.001	0.01
609739	2669407	5.45	0.05	0.10	0.03	0.015	0.22	23.4	12.6	0.49	120	1.10	0.01	3.60	16.4	1390	6.8	15.8<	0.001	0.02
609740	2669407	4.55	0.05	0.12	0.03	0.015	0.17	24.6	6.2	0.38	120	0.75	< 0.01	3.30	12.4	1780	6.6	11.4<	0.001	0.02
609742	2669407	6.35	0.10	0.08	0.02	0.015	0.36	31.0	11.0	0.69	130	0.70	0.01	3.60	23.6	1300	5.6	27.2<	0.001	0.02
609743	2669407	4.40	0.05	0.08	0.04	0.010	0.13	23.8	6.2	0.34	80	0.60	< 0.01	3.20	12.4	1410	5.8	9.5<	0.001	0.02
609744	2669407	5.00	0.10	0.06	0.01	0.015	0.27	29.0	13.5	0.54	125	2.40	0.01	3.45	15.6	1350	5.6	20.0<	0.001	0.01
609745	2669407	3.95	0.05	0.04	< 0.01	0.010	0.21	23.8	9.1	0.39	100	1.30	0.01	3.00	11.6	1420	4.6	17.2<	0.001	0.01
609746	2669407	4.70	0.10	0.08	0.01	0.015	0.29	28.6	11.1	0.58	170	2.30	0.02	3.15	15.4	1590	5.4	20.5<	0.001	0.01
609747	2669407	9.85	0.05	0.08	0.03	0.020	0.18	19.6	10.7	0.52	110	2.55	< 0.01	4.95	12.6	1020	8.6	11.7<	0.001	0.02
609748	2669407	5.65	0.10	0.10	0.03	0.020	0.35	29.2	15.1	0.69	155	1.35	0.01	3.95	21.0	1680	7.4	22.5<	0.001	0.02
609751	2669407	6.45	0.05	0.02	0.01	0.015	0.28	21.4	10.8	0.68	145	0.70	0.01	2.40	17.6	1610	6.2	20.1<	0.001	0.01
609752	2669407	6.35	0.15	0.02	0.03	0.015	0.32	27.6	11.4	0.69	145	3.00	0.01	3.20	17.8	1090	7.4	24.4<	0.001	0.03
609753	2669407	7.85	0.10	0.10	0.03	0.025	0.32	24.6	16.9	0.76	175	1.55	0.01	4.75	21.8	1280	10.0	22.0<	0.001	0.01
609754	2669407	6.60	0.20	0.08	0.03	0.030	0.50	27.4	11.2	0.73	145	11.45	0.01	10.50	11.6	1770	8.0	22.7<	0.001	0.33
609757	2669407	4.90	0.10	0.06	< 0.01	0.010	0.30	33.0	8.7	0.55	130	0.90	0.01	3.45	20.6	1900	5.6	22.1<	0.001	0.01
609758	2669407	5.25	0.10	0.06	0.01	0.015	0.23	25.6	11.2	0.64	135	0.65	0.01	3.45	21.0	1520	5.8	16.0<	0.001	0.01
609759	2669407	5.20	0.05	0.04	0.02	0.015	0.21	25.4	6.7	0.40	115	0.70	< 0.01	3.20	12.2	2150	6.6	14.3<	0.001	0.03
609761	2669407	15.30	0.30	0.02	0.05	0.060	0.26	28.6	5.4	0.43	100	42.75	< 0.01	12.20	9.0	1560	21.8	12.2	0.001	0.25
609762	2669407	8.90	0.10	0.06	0.02	0.020	0.24	23.0	14.0	0.65	155	1.80	0.01	4.70	17.6	910	9.8	17.4<	0.001	0.01
609763	2669407	4.80	0.05	0.06	0.01	0.015	0.23	27.8	11.3	0.45	120	0.90	0.01	3.25	14.0	1400	5.8	17.8<	0.001	0.02
609764	2669407	5.05	0.10	0.08	0.01	0.020	0.27	26.4	11.8	0.53	130	1.10	< 0.01	3.45	18.0	1660	6.2	17.0<	0.001	0.02

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 1-C
 Total Pages : 2
 Certificate Date: 15-AUG-2001
 Invoice No. : 10121744
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Project : QU7
 Comments : ATTN:PAUL TAUFEN CC: MARY DOHERTY

CERTIFICATE OF ANALYSIS A0121744

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609702	2669407	< 0.05	4.0	0.8	0.6	13.0	0.01	0.05	6.8	0.18	0.24	1.45	52	0.25	7.10	44	1.5
609800	2669407	< 0.05	11.3	8.0	0.8	5.8	0.10	0.35	25.0	0.53	0.86	1.35	375	0.45	2.65	78	4.0
609703	2669407	< 0.05	5.0	0.8	0.6	10.8	0.03	0.06	7.0	0.22	0.24	1.65	54	0.15	10.05	44	1.5
609704	2669407	< 0.05	4.7	0.4	0.4	13.8	0.01	0.10	7.8	0.19	0.26	1.35	50	0.20	9.70	48	2.0
609706	2669407	< 0.05	2.2	0.2	0.4	14.4	0.01	0.04	5.2	0.12	0.16	0.90	32	0.20	7.30	32	0.5
609708	2669407	< 0.05	4.9	0.6	0.6	9.6	0.04	0.06	7.8	0.20	0.14	0.95	59	0.15	6.95	52	2.0
609710	2669407	< 0.05	5.2	0.4	0.8	21.0	< 0.01	0.07	8.4	0.22	0.32	1.65	53	0.15	9.15	58	3.0
609714	2669407	< 0.05	3.4	0.4	0.8	10.0	0.01	0.06	7.0	0.20	0.16	1.40	48	0.20	6.90	36	1.0
609717	2669407	< 0.05	2.4	0.2	0.4	13.2	0.01	0.06	5.4	0.13	0.12	0.80	35	0.15	6.45	26	1.0
609720	2669407	< 0.05	2.6	0.2	0.4	14.0	< 0.01	0.06	5.2	0.13	0.16	0.80	30	0.15	7.20	32	1.0
609721	2669407	< 0.05	2.7	0.4	0.6	14.0	0.01	0.05	6.8	0.15	0.18	1.10	37	0.15	6.95	38	0.5
609722	2669407	< 0.05	4.0	1.0	0.2	13.2	0.03	0.09	8.0	0.16	0.20	1.15	44	0.10	8.65	36	1.5
609725	2669407	< 0.05	5.9	1.8	0.2	11.8	0.03	0.14	13.0	0.27	0.34	1.20	137	0.15	7.00	50	1.5
609728	2669407	< 0.05	5.7	1.0	1.0	8.8	0.03	0.18	10.8	0.35	0.38	1.55	78	0.35	4.35	50	3.5
609729	2669407	< 0.05	3.9	0.6	0.6	11.2	0.01	0.08	8.4	0.22	0.20	1.35	60	0.15	7.40	62	1.5
609731	2669407	< 0.05	3.4	1.0	1.0	7.6	0.01	0.24	13.6	0.35	0.14	1.05	140	0.20	4.70	40	1.5
609732	2669407	< 0.05	1.6	0.2	0.4	12.4	< 0.01	0.04	4.4	0.10	0.14	0.75	31	0.40	6.40	22	< 0.5
609733	2669407	< 0.05	4.7	0.8	0.4	11.0	0.03	0.11	7.4	0.18	0.18	1.20	48	0.10	9.05	46	1.5
609737	2669407	< 0.05	4.3	2.2	0.8	6.6	0.06	0.20	12.6	0.33	0.22	1.05	231	0.35	2.90	44	1.5
609738	2669407	< 0.05	1.5	0.4	0.4	13.2	0.01	0.09	2.8	0.12	0.14	0.95	35	0.60	5.90	22	< 0.5
609739	2669407	< 0.05	3.1	0.2	0.6	12.2	0.02	0.02	7.0	0.16	0.12	0.90	43	0.15	6.00	30	1.5
609740	2669407	< 0.05	2.4	0.6	0.4	14.6	0.03	0.03	5.4	0.12	0.10	1.05	41	0.15	7.45	20	0.5
609742	2669407	< 0.05	3.0	0.4	0.6	14.2	0.01	0.02	5.6	0.16	0.22	0.95	40	0.15	6.95	36	1.0
609743	2669407	< 0.05	2.4	0.4	0.4	15.0	0.02	0.02	5.0	0.12	0.10	0.90	31	0.10	6.55	18	0.5
609744	2669407	< 0.05	3.0	0.6	0.4	14.0	0.01	0.04	7.4	0.15	0.16	1.05	45	0.15	6.75	34	0.5
609745	2669407	< 0.05	2.6	0.4	0.4	17.2	0.01	0.03	5.2	0.13	0.14	0.85	35	0.10	6.80	24	1.0
609746	2669407	< 0.05	3.8	0.4	0.6	14.4	0.01	0.02	10.2	0.16	0.18	1.05	48	0.15	7.25	36	2.0
609747	2669407	< 0.05	4.0	0.6	0.6	8.4	0.03	0.04	8.8	0.24	0.10	0.90	74	0.15	5.45	36	2.0
609748	2669407	< 0.05	4.6	0.6	0.4	13.0	0.03	0.03	8.0	0.17	0.18	1.25	49	0.15	8.55	48	2.0
609751	2669407	< 0.05	2.3	0.2	0.6	14.6	0.01	0.01	2.2	0.14	0.18	0.90	48	0.10	6.60	30	< 0.5
609752	2669407	< 0.05	3.2	0.6	0.6	12.2	< 0.01	0.05	3.6	0.18	0.24	1.10	61	0.15	6.00	42	< 0.5
609753	2669407	< 0.05	5.3	0.4	0.6	12.0	0.03	0.03	9.2	0.23	0.18	1.15	63	0.85	6.90	54	2.5
609754	2669407	< 0.05	4.1	2.2	0.4	14.6	0.09	0.10	13.4	0.27	0.22	1.35	141	0.35	6.25	46	2.0
609757	2669407	< 0.05	2.8	0.2	0.6	17.4	0.01	0.02	7.4	0.14	0.14	1.00	42	0.10	8.25	30	1.5
609758	2669407	< 0.05	3.6	0.2	0.6	14.6	0.02	0.03	7.2	0.17	0.14	0.85	46	0.15	7.05	34	1.5
609759	2669407	< 0.05	2.2	0.4	0.4	16.4	0.01	0.01	4.4	0.12	0.10	1.00	42	0.15	7.45	20	< 0.5
609761	2669407	< 0.05	3.8	3.6	0.6	5.8	0.05	0.14	39.6	0.45	0.20	2.55	474	0.50	2.65	66	1.5
609762	2669407	< 0.05	4.7	0.2	0.6	11.2	0.03	0.04	9.6	0.26	0.14	0.95	68	0.15	6.05	50	2.0
609763	2669407	< 0.05	2.7	0.2	0.6	14.6	0.01	0.01	5.2	0.14	0.14	1.05	35	0.10	7.15	34	0.5
609764	2669407	< 0.05	3.6	0.4	0.4	13.2	0.03	0.02	7.2	0.15	0.12	0.90	41	0.10	8.30	38	1.5

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.
 8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 2-A
 Total Pages : 2
 Certificate Date: 15-AUG-2001
 Invoice No. : 10121744
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN:PAUL TAUFEN CC: MARY DOHERTY

CERTIFICATE OF ANALYSIS A0121744

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
609765	2669407	1.00	4	1.5	3	0.10	1.18	0.2	< 10	75.0	0.20	0.02	0.05	0.13	157.5	1.3	36	0.20	25.4	0.42
609766	2669407	1.12	< 1	0.5	< 1	0.11	1.38	0.1	< 10	84.0	0.20	0.04	0.21	0.07	40.5	4.1	29	0.60	11.8	1.60
609767	2669407	0.94	1	0.5	1	0.15	1.33	0.3	< 10	130.8	0.25	0.06	0.33	0.06	56.1	4.9	35	1.30	32.0	2.19
609769	2669407	1.02	1	0.5	< 1	0.13	2.34	0.4	< 10	228.4	0.30	0.07	0.32	0.10	60.7	10.5	60	1.80	60.5	3.43
609770	2669407	0.76	< 1	0.5	< 1	0.08	1.12	0.1	< 10	116.4	0.20	0.03	0.35	0.07	49.3	5.8	37	0.60	15.0	1.92
609771	2669407	1.10	4	10.0	10	0.50	2.06	1.2	< 10	61.8	0.15	0.67	0.04	0.11	35.0	1.9	96	0.95	79.1	12.40
609773	2669407	1.14	< 1	0.5	< 1	0.19	1.35	0.4	< 10	186.6	0.20	0.05	0.40	0.07	59.0	7.9	40	1.10	38.0	2.37
609774	2669407	1.24	1	0.5	1	0.13	1.70	0.3	< 10	284.0	0.30	0.05	0.40	0.07	65.2	8.9	45	1.30	50.8	2.74
609775	2669407	0.98	< 1	0.5	< 1	0.11	1.47	0.4	< 10	226.4	0.20	0.04	0.43	0.14	68.3	11.9	46	1.35	35.4	2.69
609776	2669407	1.20	7	0.5	< 1	0.09	1.49	0.3	< 10	74.0	0.20	0.03	0.24	0.07	38.2	4.2	33	0.55	8.6	1.70
609777	2669407	0.76	< 1	0.5	1	0.15	1.69	0.3	< 10	130.2	0.30	0.05	0.39	0.09	61.0	5.9	39	1.05	28.8	2.24
609778	2669407	0.96	1	1.5	2	0.12	1.88	0.4	< 10	219.4	0.20	0.08	0.23	0.04	70.2	6.0	51	1.40	31.4	8.02
609779	2669407	0.82	4	2.5	6	0.95	3.40	0.8	< 10	397.8	0.35	0.37	0.08	0.13	43.9	4.3	121	2.50	98.6	11.60
609780	2669407	0.70	3	3.0	5	0.85	1.51	0.7	< 10	278.0	0.15	0.35	0.28	0.08	44.0	4.8	60	0.95	45.8	6.22
609781	2669407	0.96	< 1	0.5	< 1	0.14	2.22	0.4	< 10	223.0	0.30	0.04	0.42	0.10	68.2	8.5	51	1.40	34.2	2.80
609782	2669407	0.76	1	0.5	1	0.25	2.19	0.3	< 10	247.8	0.45	0.09	0.40	0.10	97.1	9.6	55	2.25	60.2	3.44
609783	2669407	1.04	< 1	0.5	1	0.14	2.11	0.3	< 10	126.4	0.35	0.03	0.31	0.07	47.7	7.1	62	0.85	13.2	2.50
609784	2669407	1.12	1	0.5	2	0.22	1.54	0.4	< 10	137.2	0.20	0.07	0.31	0.06	57.2	4.5	43	1.00	52.2	2.67
609785	2669407	1.10	1	0.5	< 1	0.08	1.08	0.3	< 10	175.4	0.15	0.04	0.41	0.08	67.5	7.3	36	0.90	35.6	2.76
609786	2669407	0.92	< 1	0.5	< 1	0.06	1.17	0.1	< 10	78.8	0.20	0.05	0.06	0.09	36.1	3.0	30	0.65	15.2	1.30
609787	2669407	1.04	< 1	1.0	< 1	0.16	2.77	0.6	< 10	204.2	0.40	0.05	0.23	0.07	62.4	10.7	64	1.90	40.8	3.57
609788	2669407	0.98	1	0.5	3	0.11	1.39	0.1	< 10	187.8	0.25	0.06	0.41	0.06	63.3	7.2	37	1.15	37.8	2.39
609789	2669407	0.86	1	0.5	1	0.16	1.70	0.3	< 10	186.6	0.30	0.07	0.37	0.07	64.6	6.4	43	1.15	34.4	2.58
609790	2669407	1.00	< 1	0.5	1	0.12	2.52	0.4	< 10	113.0	0.35	0.04	0.21	0.08	62.0	6.7	45	1.05	33.4	2.82
609791	2669407	0.96	1	0.5	< 1	0.15	1.41	0.4	< 10	131.0	0.30	0.05	0.35	0.04	58.3	5.4	36	0.90	37.8	2.35
609793	2669407	1.06	2	0.5	1	0.11	1.55	0.2	< 10	179.0	0.30	0.05	0.37	0.05	76.4	7.3	39	1.10	45.0	2.69
609794	2669407	1.04	1	0.5	< 1	0.12	2.07	0.1	< 10	181.8	0.35	0.03	0.38	0.08	69.7	7.5	50	0.95	31.0	2.43
609795	2669407	0.74	25	15.0	33	1.66	2.05	1.0	< 10	33.8	0.05	0.91	0.08	0.14	34.4	1.2	133	1.00	90.9	13.50
609796	2669407	1.04	6	2.0	7	0.59	2.21	0.4	< 10	261.4	0.25	0.35	0.23	0.09	66.1	5.7	71	1.65	66.8	8.94
609797	2669407	1.00	1	0.5	< 1	0.15	2.56	0.3	< 10	147.8	0.30	0.06	0.28	0.06	40.9	7.4	54	1.35	33.2	3.90
609799	2669407	0.98	1	0.5	1	0.13	2.51	0.4	< 10	106.0	0.35	0.04	0.23	0.07	65.8	6.8	46	1.05	36.2	2.81

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CERTIFICATE OF ANALYSIS A0121744

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609765	2669407	4.50	0.10	0.44	0.04	0.015	0.03	65.8	1.0	0.06	15	1.00	0.01	2.55	11.4	390	3.4	1.9<	0.001	0.21
609766	2669407	7.75	0.05	0.04	0.03	0.015	0.15	19.2	4.8	0.35	75	0.80	< 0.01	3.85	12.4	890	8.0	12.0<	0.001	0.03
609767	2669407	5.55	0.05	0.02	0.01	0.015	0.27	26.0	12.3	0.49	115	2.85	0.01	3.60	16.0	1320	6.0	23.1<	0.001	0.03
609769	2669407	7.85	0.15	0.08	0.03	0.025	0.39	27.0	19.0	0.80	195	2.40	0.01	4.55	33.8	1510	9.2	30.2<	0.001	0.05
609770	2669407	4.50	0.05	0.02	0.03	0.015	0.21	23.6	7.0	0.45	100	0.65	0.01	2.80	18.6	1740	6.2	16.3<	0.001	0.03
609771	2669407	13.55	0.45	0.06	0.01	0.080	1.45	19.6	9.7	1.01	170	40.45	0.01	6.35	6.0	800	23.8	59.7	0.001	1.52
609773	2669407	6.50	0.10	0.06	0.01	0.020	0.36	27.4	11.4	0.66	160	1.85	0.01	3.40	23.0	1630	6.6	29.2<	0.001	0.03
609774	2669407	7.05	0.15	0.06	0.01	0.025	0.48	30.6	14.3	0.79	195	2.00	0.02	3.80	25.8	1550	7.4	38.2<	0.001	0.03
609775	2669407	6.75	0.15	0.04	0.01	0.020	0.41	31.2	15.8	0.77	210	1.60	0.01	3.55	29.6	1590	6.4	36.7<	0.001	0.01
609776	2669407	5.85	0.05	0.04	0.03	0.015	0.14	18.2	5.6	0.36	90	0.70	0.01	3.35	13.4	1390	6.4	10.8<	0.001	0.02
609777	2669407	5.50	0.10	0.06	0.01	0.015	0.26	29.2	11.8	0.51	130	1.80	0.01	3.70	18.4	1620	7.0	20.7<	0.001	0.04
609778	2669407	7.60	0.25	0.02	0.04	0.020	0.36	34.2	10.7	0.72	140	5.50	0.01	3.70	18.6	1400	8.6	26.2<	0.001	0.05
609779	2669407	14.95	0.45	0.10	0.03	0.065	0.72	23.8	12.9	1.27	280	34.45	0.01	9.50	14.4	1510	20.0	41.1	0.002	0.37
609780	2669407	8.60	0.20	0.06	0.02	0.025	0.73	23.6	11.3	0.77	170	16.80	0.02	9.70	13.2	1450	8.8	29.0	0.002	0.66
609781	2669407	7.10	0.15	0.06	0.02	0.025	0.42	32.2	15.6	0.75	180	4.30	0.01	4.40	24.8	1740	7.8	30.8<	0.001	0.02
609782	2669407	8.60	0.20	0.06	0.01	0.025	0.45	40.0	22.1	0.88	200	4.25	0.01	5.05	30.2	1560	10.0	37.7<	0.001	0.03
609783	2669407	7.50	0.10	0.10	0.02	0.015	0.20	21.0	8.9	0.66	120	0.95	0.01	4.35	25.6	1330	7.2	15.8<	0.001	0.01
609784	2669407	6.10	0.15	0.04	0.03	0.015	0.26	27.2	10.6	0.49	110	6.70	0.01	3.95	14.6	1300	6.6	19.8<	0.001	0.09
609785	2669407	5.05	0.15	0.04	< 0.01	0.015	0.33	30.6	9.7	0.58	235	2.10	0.02	2.65	17.4	1550	6.0	28.6<	0.001	0.01
609786	2669407	7.80	0.05	< 0.02	0.02	0.010	0.14	16.4	2.8	0.26	55	0.50	0.01	1.20	10.0	380	8.0	10.3<	0.001	0.03
609787	2669407	10.10	0.15	0.06	0.02	0.025	0.36	28.2	19.8	0.86	195	2.00	0.01	5.45	25.4	960	12.2	30.3<	0.001	0.01
609788	2669407	5.55	0.10	0.06	< 0.01	0.015	0.37	29.8	13.1	0.61	170	1.80	0.02	3.90	18.2	1350	6.0	30.5<	0.001	0.05
609789	2669407	5.85	0.15	0.06	0.01	0.020	0.34	31.0	13.0	0.59	145	2.55	0.01	4.40	18.4	1470	7.0	25.8<	0.001	0.08
609790	2669407	7.10	0.10	0.06	0.03	0.020	0.19	30.8	13.2	0.54	120	1.30	< 0.01	4.40	17.6	960	8.6	14.9<	0.001	0.03
609791	2669407	5.20	0.05	0.02	0.01	0.015	0.29	26.4	9.4	0.51	125	1.80	0.01	3.10	14.8	1430	6.6	22.8<	0.001	0.06
609793	2669407	5.75	0.10	0.02	0.01	0.015	0.37	33.0	12.3	0.65	165	1.85	0.02	3.15	19.0	1370	6.6	29.9<	0.001	0.01
609794	2669407	5.80	0.15	0.08	0.03	0.025	0.29	34.8	12.1	0.62	130	0.75	0.01	4.45	22.2	1450	6.0	24.3<	0.001	0.02
609795	2669407	11.65	0.50	0.16	< 0.01	0.110	2.65	14.2	9.8	1.38	290	56.22	0.03	11.35	4.0	1160	23.4	80.7	0.007	3.19
609796	2669407	9.10	0.30	0.06	0.02	0.035	0.73	35.2	12.7	0.94	185	19.50	0.01	6.60	17.0	1390	12.6	40.4	0.003	0.47
609797	2669407	7.45	0.10	0.08	0.02	0.025	0.31	18.4	14.0	0.78	180	2.60	0.01	4.55	18.0	1290	8.2	21.3<	0.001	0.03
609799	2669407	7.25	0.15	0.04	0.03	0.025	0.18	32.6	13.0	0.51	115	1.35	0.01	4.35	18.4	1050	9.6	13.8<	0.001	0.03

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SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609765	2669407	0.05	2.5	0.6	0.2	12.6	0.04	< 0.01	2.0	0.10	0.02	2.80	49	0.05	10.00	8	3.0
609766	2669407	< 0.05	2.1	0.4	0.8	12.2	0.02	0.03	4.6	0.16	0.10	0.90	37	0.05	4.90	16	0.5
609767	2669407	< 0.05	2.9	0.6	0.6	13.8	0.01	0.03	5.6	0.15	0.16	1.25	50	0.15	6.85	32	0.5
609769	2669407	< 0.05	5.3	0.6	0.6	11.8	0.03	0.05	8.8	0.23	0.20	1.00	65	0.20	7.45	64	2.5
609770	2669407	< 0.05	1.9	0.2	0.4	14.8	0.03	0.01	2.8	0.11	0.10	0.85	37	0.10	6.55	22	< 0.5
609771	2669407	< 0.05	7.7	5.0	0.2	7.2	0.04	0.40	44.0	0.48	0.66	0.75	308	0.30	1.50	94	2.0
609773	2669407	< 0.05	3.4	0.2	0.6	14.8	0.01	0.02	6.4	0.18	0.18	1.10	49	0.15	7.45	42	1.5
609774	2669407	< 0.05	4.3	0.4	0.6	18.2	0.01	0.02	8.2	0.20	0.24	1.10	54	0.15	7.70	50	2.0
609775	2669407	< 0.05	4.0	0.6	0.6	18.2	0.01	0.01	7.6	0.20	0.24	1.05	51	0.15	7.70	58	2.0
609776	2669407	< 0.05	2.1	0.4	0.4	12.4	0.03	0.01	3.2	0.13	0.08	0.65	30	0.20	4.75	18	< 0.5
609777	2669407	< 0.05	3.5	0.6	0.4	15.0	0.02	0.02	7.6	0.15	0.14	1.00	44	0.20	7.80	34	1.0
609778	2669407	< 0.05	3.7	0.6	0.6	12.0	0.01	0.04	6.8	0.20	0.18	1.15	70	0.15	5.65	42	< 0.5
609779	2669407	< 0.05	7.4	4.2	0.6	11.2	0.08	0.20	43.8	0.46	0.50	2.00	313	0.55	3.05	94	3.5
609780	2669407	< 0.05	3.1	3.4	0.6	21.2	0.03	0.11	14.8	0.33	0.26	0.90	146	0.35	4.30	44	2.0
609781	2669407	< 0.05	5.0	0.6	0.4	15.2	0.03	0.04	7.8	0.20	0.18	1.25	55	0.15	8.95	54	1.5
609782	2669407	< 0.05	5.4	1.0	0.8	15.2	0.01	0.07	11.0	0.24	0.26	2.35	73	0.20	10.30	62	1.5
609783	2669407	< 0.05	3.6	0.4	0.6	14.6	0.04	0.02	9.8	0.20	0.12	0.85	49	0.25	6.45	32	2.0
609784	2669407	< 0.05	3.1	1.2	0.6	13.0	0.01	0.04	7.0	0.17	0.16	1.05	69	0.15	6.25	30	0.5
609785	2669407	< 0.05	3.4	0.4	0.4	18.0	0.01	0.02	7.4	0.16	0.20	1.05	44	0.15	7.50	38	1.5
609786	2669407	< 0.05	0.6	0.2	0.8	9.6	0.01	0.02	1.0	0.04	0.08	0.70	26	< 0.05	2.55	12	< 0.5
609787	2669407	< 0.05	6.1	0.6	0.8	10.4	0.03	0.04	9.0	0.30	0.24	1.20	77	0.25	7.55	62	2.0
609788	2669407	< 0.05	3.7	0.6	0.6	18.0	0.01	0.03	7.2	0.18	0.18	1.10	50	0.45	7.50	40	2.5
609789	2669407	< 0.05	3.7	0.8	0.6	15.0	0.02	0.04	7.4	0.18	0.20	1.10	56	0.20	7.75	40	1.5
609790	2669407	< 0.05	4.0	0.6	0.6	8.4	0.04	0.02	6.2	0.21	0.12	1.00	56	0.15	6.45	42	1.5
609791	2669407	< 0.05	3.0	0.6	0.6	13.8	0.01	0.03	6.0	0.15	0.16	1.00	45	0.15	6.95	30	0.5
609793	2669407	< 0.05	3.9	0.6	0.6	15.4	0.01	0.02	7.0	0.18	0.20	1.35	49	0.15	7.90	40	0.5
609794	2669407	< 0.05	3.8	0.6	0.6	18.2	0.03	0.01	10.2	0.18	0.20	1.65	43	0.15	8.00	30	2.0
609795	2669407	< 0.05	9.9	12.2	0.6	14.2	0.19	0.36	44.0	0.70	1.26	0.95	504	1.30	1.85	88	4.5
609796	2669407	< 0.05	4.8	4.4	0.6	13.8	0.01	0.13	20.2	0.33	0.40	1.60	213	0.55	5.50	56	2.0
609797	2669407	< 0.05	4.8	0.2	0.6	9.6	0.03	0.04	7.8	0.27	0.16	0.80	74	0.15	5.30	56	3.0
609799	2669407	< 0.05	4.4	0.6	0.6	9.0	0.03	0.04	7.6	0.20	0.12	1.05	55	0.15	6.85	40	1.0

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A0122395

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE **A0122395**

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 31-AUG-2001.

SAMPLE PREPARATION		
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
266	164	Special prep procedure
SCR-01	164	Screen - Save Plus Charge
LOG-22	164	Samples received without barcode

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2					
METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	164	Weight of received sample	BALANCE	0.01	1000.0
Au-MS23	164	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	164	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	164	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Ag-MS41	164	Ag ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	100.0
Al-MS41	164	Al %: ICP + ICP-MS package	ICP	0.01	15.00
As-MS41	164	As ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
B-MS41	164	B ppm: ICP + ICP-MS package	ICP	10	10000
Ba-MS41	164	Ba ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Be-MS41	164	Be ppm: ICP + ICP-MS package	ICP	0.05	100.0
Bi-MS41	164	Bi ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
Ca-MS41	164	Ca %: ICP + ICP-MS package	ICP	0.01	15.00
Cd-MS41	164	Cd ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	500
Ce-MS41	---	Ce ppm: ICP + ICP-MS package	ICP-MS	0.02	500
Co-MS41			/ICP	0.1	10000
Cr-MS41				1	10000
Cs-MS41				0.05	500
Cu-MS41			/ICP	0.2	10000
Fe-MS41				0.01	15.00
Ga-MS41			/ICP	0.05	10000
Ge-MS41				0.05	500.0
Hf-MS41				0.02	500.0
Hg-MS41			/ICP	0.01	10000
In-MS41				0.005	500.00
K-MS41				0.01	10.00
La-MS41			/ICP	0.2	10000
Li-MS41				0.1	500
Mg-MS41				0.01	15.00
Mn-MS41				5	10000
Mo-MS41			S/ICP	0.05	10000
Na-MS41				0.01	10.00
Nb-MS41			S	0.05	500.0
Ni-MS41			S/ICP	0.2	10000
P-MS41				10	10000
Pb-MS41			S/ICP	0.2	10000
Rb-MS41			S	0.1	500
Re-MS41			S	0.001	50.0

Soils

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project
 Statement required by Nevada State Law NRS 519



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CERTIFICATE

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METHOD CODE	NUMBER SAMPLES	DESCRIPTION
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The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
S-MS41	164	S %: ICP + ICP-MS package	ICP	0.01	10.00
Sb-MS41	164	Sb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Sc-MS41	164	Sc ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Se-MS41	164	Se ppm: ICP + ICP-MS package	ICP-MS	0.2	1000
Sn-MS41	164	Sn ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Sr-MS41	164	Sr ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Ta-MS41	164	Ta ppm: ICP + ICP-MS package	ICP-MS	0.01	500.0
Te-MS41	164	Te ppm: ICP + ICP-MS package	ICP-MS	0.01	500
Th-MS41	164	Th ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Ti-MS41	164	Ti %: ICP + ICP-MS package	ICP	0.01	10.00
Tl-MS41	164	Tl ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	10000
U-MS41	164	U ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
V-MS41	164	V ppm: ICP + ICP-MS package	ICP	1	10000
W-MS41	164	W ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Y-MS41	164	Y ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Zn-MS41	164	Zn ppm: ICP + ICP-MS package	ICP	2	10000
Zr-MS41	164	Zr ppm: ICP + ICP-MS package	ICP-MS	0.5	500

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Statement required by Nevada State Law NRS 519



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CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
601608	2669407	0.88	1	1.0	1	0.34	1.32	0.6	< 10	21.6	0.15	0.07	0.10	0.06	29.4	3.0	32	1.40	65.8	3.49
601617	2669407	0.70	3	1.0	< 1	0.21	2.45	0.7	< 10	55.4	0.60	0.21	0.10	0.24	32.2	9.5	70	1.95	36.0	4.54
601619	2669407	0.98	< 1	< 0.5	< 1	0.05	0.82	< 0.1	< 10	6.4	0.15	0.03	0.12	0.02	25.2	1.2	12	0.30	3.4	0.91
601628	2669407	0.88	< 1	< 0.5	< 1	0.06	1.03	0.3	< 10	6.8	0.25	0.03	0.11	0.01	28.7	1.3	14	0.35	5.2	1.04
601629	2669407	0.76	1	0.5	2	0.07	1.84	0.3	< 10	11.6	0.30	0.05	0.11	0.02	58.0	2.3	21	0.50	48.2	1.79
601630	2669407	1.04	< 1	0.5	< 1	0.07	1.14	0.5	< 10	9.4	0.25	0.03	0.16	0.02	35.7	1.4	11	0.35	7.2	0.96
601631	2669407	0.88	< 1	0.5	< 1	0.08	1.10	0.3	< 10	11.2	0.25	0.02	0.07	0.03	41.0	1.9	13	0.60	5.6	1.55
601632	2669407	1.00	< 1	< 0.5	< 1	0.05	1.03	0.3	< 10	7.0	0.20	0.03	0.16	0.01	28.9	1.2	9	0.35	3.8	0.76
601633	2669407	0.70	< 1	< 0.5	< 1	0.05	0.59	0.4	< 10	20.2	0.05	0.03	0.14	< 0.01	31.9	2.2	21	0.85	5.4	0.97
601637	2669407	1.00	< 1	< 0.5	< 1	0.13	1.58	0.8	< 10	25.8	0.50	0.03	0.13	0.08	56.8	2.7	17	0.80	15.0	1.79
601641	2669407	0.68	< 1	< 0.5	< 1	0.06	1.15	0.4	< 10	7.6	0.25	0.04	0.04	0.03	39.7	0.7	10	0.35	3.6	1.05
601646	2669407	0.60	< 1	0.5	< 1	0.20	1.86	0.5	< 10	15.0	0.35	0.02	0.11	0.05	24.1	1.8	19	0.40	6.4	1.56
601651	2669407	0.96	< 1	< 0.5	< 1	0.05	1.09	0.5	< 10	6.6	0.20	0.02	0.15	0.01	27.9	1.1	10	0.30	4.0	0.92
601652	2669407	0.98	< 1	< 0.5	< 1	0.07	1.44	0.7	< 10	10.8	0.35	0.03	0.13	0.03	29.8	1.3	11	0.30	4.8	1.00
601653	2669407	0.76	< 1	< 0.5	< 1	0.09	1.65	0.3	< 10	14.4	0.35	0.03	0.11	0.03	39.7	1.7	15	0.45	10.0	1.51
601660	2669407	1.10	< 1	< 0.5	< 1	0.03	0.58	0.1	< 10	13.0	0.20	0.04	0.06	< 0.01	34.7	0.6	6	0.35	4.2	0.39
601663	2669407	0.72	< 1	3.0	< 1	0.20	1.81	0.2	< 10	20.8	0.30	0.14	0.06	0.10	26.2	3.4	29	1.35	16.2	2.38
601664	2669407	0.66	1	1.5	3	0.80	1.80	0.8	< 10	88.0	0.20	0.20	0.03	0.14	23.2	1.9	49	1.65	91.0	10.10
601672	2669407	1.04	< 1	< 0.5	< 1	0.07	1.18	0.3	< 10	6.2	0.15	0.03	0.14	0.03	29.7	1.1	11	0.30	5.4	1.13
601674	2669407	0.92	< 1	1.0	1	0.10	1.15	0.6	< 10	8.4	0.20	0.05	0.09	< 0.01	19.70	1.6	21	1.00	4.4	1.51
601676	2669407	1.36	< 1	0.5	< 1	0.05	0.33	< 0.1	< 10	9.2	0.05	0.02	0.21	0.01	31.4	0.7	9	0.30	4.2	0.22
601677	2669407	0.86	< 1	< 0.5	< 1	0.05	1.13	0.1	< 10	8.2	0.20	0.02	0.18	0.03	32.6	1.2	7	0.40	2.8	0.85
601678	2669407	0.80	4	2.5	2	0.06	1.98	0.4	< 10	104.0	0.20	0.08	0.13	0.01	26.3	12.1	110	0.65	53.4	3.15
601679	2669407	0.64	< 1	0.5	< 1	0.20	1.86	0.4	< 10	26.8	0.35	0.03	0.16	0.04	33.4	3.1	24	0.85	12.8	1.81
601684	2669407	1.12	< 1	< 0.5	< 1	0.05	0.60	< 0.1	< 10	8.6	0.15	0.03	0.16	0.01	38.9	1.1	9	0.30	5.8	0.68
601685	2669407	1.06	< 1	< 0.5	< 1	0.09	0.81	0.1	< 10	9.6	0.15	0.02	0.17	0.01	37.8	0.7	7	0.25	4.2	0.47
601687	2669407	0.68	< 1	< 0.5	< 1	0.06	1.02	0.4	< 10	9.6	0.20	0.03	0.15	0.02	41.6	1.6	13	0.35	8.8	1.48
601688	2669407	0.96	< 1	< 0.5	< 1	0.05	0.98	0.4	< 10	6.2	0.15	0.03	0.14	0.01	29.5	0.9	10	0.30	4.6	0.90
601694	2669407	0.76	< 1	< 0.5	< 1	0.08	1.37	0.6	< 10	17.4	0.25	0.04	0.11	0.01	32.1	2.0	14	0.70	4.2	1.38
601695	2669407	0.60	< 1	0.5	< 1	0.13	2.28	0.4	< 10	11.2	0.40	0.06	0.11	0.04	43.3	1.6	19	0.65	7.8	2.08
601698	2669407	0.60	< 1	< 0.5	< 1	0.09	1.92	0.5	< 10	9.0	0.25	0.03	0.11	0.02	33.3	1.4	18	0.40	5.4	1.39
606843	2669407	0.78	< 1	< 0.5	< 1	0.04	1.41	0.8	< 10	16.8	0.15	0.01	0.18	0.01	35.1	2.1	16	0.40	9.0	1.17
606844	2669407	1.06	< 1	< 0.5	< 1	0.06	0.51	0.1	< 10	26.6	0.15	0.01	0.29	0.01	47.8	1.7	8	0.20	6.8	1.00
606845	2669407	1.12	< 1	< 0.5	< 1	0.07	0.55	0.1	< 10	17.6	0.15	0.01	0.25	< 0.01	45.2	1.3	8	0.20	5.6	0.71
606846	2669407	0.90	< 1	< 0.5	< 1	0.06	0.79	0.4	< 10	14.8	0.15	0.01	0.15	0.01	33.4	1.1	9	0.25	3.4	1.13
606847	2669407	0.74	< 1	< 0.5	< 1	0.06	1.74	0.7	< 10	12.8	0.35	0.01	0.17	0.02	46.6	1.5	11	0.30	6.8	1.18
606848	2669407	0.94	< 1	< 0.5	< 1	0.10	1.90	0.8	< 10	16.0	0.30	0.02	0.12	0.02	32.1	2.4	23	0.35	10.2	1.69
606849	2669407	0.82	< 1	< 0.5	< 1	0.13	1.83	0.3	< 10	11.2	0.30	0.03	0.17	0.02	32.5	2.4	18	0.35	9.4	1.32
606850	2669407	0.72	< 1	< 0.5	< 1	0.06	1.15	0.1	< 10	12.8	0.15	0.03	0.27	0.01	40.3	3.1	19	0.30	11.6	1.64
606851	2669407	0.68	< 1	< 0.5	< 1	0.08	2.12	0.4	< 10	12.8	0.30	0.02	0.18	0.03	36.7	2.6	16	0.35	7.4	2.05

CERTIFICATION: _____



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SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
601608	2669407	7.30	0.05	0.10	0.03	0.025	0.19	14.8	7.1	0.29	85	3.75	< 0.01	5.35	10.4	740	21.2	15.7	< 0.001	0.04
601617	2669407	14.45	0.05	0.14	0.03	0.030	0.24	17.8	20.7	0.62	165	7.20	< 0.01	9.85	25.2	330	8.0	23.6	< 0.001	0.03
601619	2669407	2.70	< 0.05	0.08	0.01	0.005	0.02	12.4	2.9	0.07	30	0.30	< 0.01	2.65	3.6	560	4.2	2.3	< 0.001	< 0.01
601628	2669407	3.85	< 0.05	0.10	0.02	0.005	0.02	14.6	3.7	0.08	30	0.25	< 0.01	2.85	3.8	540	5.0	2.0	< 0.001	0.01
601629	2669407	4.80	< 0.05	0.10	0.04	0.015	0.04	29.6	6.3	0.15	50	0.80	< 0.01	3.70	5.2	610	5.8	4.9	< 0.001	0.02
601630	2669407	2.65	< 0.05	0.08	0.03	0.005	0.03	18.4	4.3	0.08	30	0.25	< 0.01	2.45	3.8	680	5.2	2.7	< 0.001	0.01
601631	2669407	6.00	< 0.05	0.06	0.01	0.010	0.05	19.8	6.2	0.16	55	0.45	< 0.01	3.45	4.0	390	4.6	6.0	< 0.001	0.01
601632	2669407	2.00	< 0.05	0.06	0.01	0.005	0.03	15.4	3.1	0.07	30	0.15	< 0.01	2.15	3.4	740	3.6	2.3	< 0.001	0.01
601633	2669407	2.70	< 0.05	0.02	0.01	< 0.005	0.07	16.4	9.9	0.19	80	0.35	< 0.01	2.00	7.8	560	3.8	6.6	< 0.001	0.01
601637	2669407	6.30	0.05	0.08	0.01	0.015	0.08	56.8	11.1	0.22	65	1.25	< 0.01	3.55	7.0	570	7.4	10.0	< 0.001	0.03
601641	2669407	6.95	< 0.05	0.08	0.03	0.010	0.01	21.2	2.1	0.04	20	0.45	< 0.01	3.40	1.6	200	5.2	2.9	< 0.001	0.01
601646	2669407	4.15	< 0.05	0.06	0.04	0.015	0.03	11.4	5.0	0.14	45	0.35	< 0.01	3.40	5.0	500	4.0	2.8	< 0.001	0.01
601651	2669407	1.95	< 0.05	0.08	0.02	0.005	0.02	14.6	2.6	0.06	35	0.20	< 0.01	2.30	2.4	660	4.4	2.0	< 0.001	0.01
601652	2669407	3.10	< 0.05	0.08	0.02	0.005	0.01	15.2	3.5	0.07	25	0.25	< 0.01	2.30	3.2	630	5.0	1.8	< 0.001	0.02
601653	2669407	4.25	< 0.05	0.06	0.03	0.015	0.03	20.0	6.4	0.12	45	0.40	< 0.01	3.40	4.4	460	5.6	3.7	< 0.001	0.01
601660	2669407	2.75	< 0.05	0.04	< 0.01	< 0.005	0.03	20.0	1.7	0.04	15	0.30	< 0.01	1.60	1.8	230	5.2	2.9	< 0.001	0.01
601663	2669407	8.65	< 0.05	0.06	0.03	0.020	0.12	13.8	10.1	0.32	90	1.40	< 0.01	6.70	8.8	310	4.6	12.7	< 0.001	0.01
601664	2669407	9.95	0.20	0.06	0.01	0.070	0.60	11.6	8.7	0.46	135	18.25	< 0.01	5.95	5.2	1380	6.0	38.4	< 0.001	0.48
601672	2669407	3.35	< 0.05	0.08	0.01	0.005	0.02	15.4	2.3	0.06	35	0.35	< 0.01	2.65	2.6	820	5.8	2.1	< 0.001	0.01
601674	2669407	4.75	< 0.05	0.06	0.01	0.005	0.04	10.0	3.0	0.14	45	0.35	< 0.01	3.40	4.2	560	4.4	3.9	< 0.001	0.01
601676	2669407	1.60	< 0.05	0.06	< 0.01	0.005	0.03	16.4	2.2	0.06	25	0.10	< 0.01	2.15	3.0	900	3.2	3.3	< 0.001	< 0.01
601677	2669407	2.15	< 0.05	0.06	< 0.01	0.005	0.03	15.6	3.3	0.07	40	0.20	< 0.01	2.60	2.4	820	3.8	2.8	< 0.001	< 0.01
601678	2669407	7.25	0.05	< 0.02	< 0.01	0.005	0.27	18.2	12.7	1.24	225	1.05	< 0.01	1.90	41.0	420	1.6	6.1	< 0.001	0.03
601679	2669407	4.30	< 0.05	0.08	0.01	0.010	0.08	17.0	8.2	0.23	95	0.50	< 0.01	3.90	7.4	810	5.0	8.8	< 0.001	0.01
601684	2669407	1.95	< 0.05	0.02	< 0.01	0.005	0.03	20.8	2.6	0.07	25	0.20	< 0.01	2.05	2.8	690	4.4	2.6	< 0.001	0.01
601685	2669407	2.20	< 0.05	0.04	0.01	0.005	0.02	20.6	2.3	0.05	20	0.15	< 0.01	2.15	2.0	720	3.4	2.5	< 0.001	0.01
601687	2669407	4.85	< 0.05	0.06	0.01	0.005	0.03	21.4	4.3	0.11	40	0.55	< 0.01	3.75	3.6	640	4.4	3.1	< 0.001	0.01
601688	2669407	2.35	< 0.05	0.06	0.03	0.005	0.02	15.4	2.6	0.07	25	0.25	< 0.01	2.30	2.8	710	4.2	2.3	< 0.001	0.01
601694	2669407	5.70	< 0.05	0.04	0.01	0.010	0.06	16.0	8.7	0.17	60	0.40	< 0.01	3.55	4.6	670	4.4	7.6	< 0.001	< 0.01
601695	2669407	6.50	< 0.05	0.08	0.02	0.020	0.04	22.6	5.1	0.13	45	1.15	< 0.01	3.90	3.4	690	8.0	4.7	< 0.001	0.02
601698	2669407	6.55	< 0.05	0.08	0.03	0.015	0.03	17.6	4.1	0.12	35	0.75	< 0.01	3.85	4.0	700	4.2	3.4	< 0.001	0.01
606843	2669407	3.20	< 0.05	0.04	0.01	0.005	0.07	19.2	4.9	0.17	45	0.40	< 0.01	2.20	5.4	820	3.2	7.0	< 0.001	0.01
606844	2669407	2.20	< 0.05	0.06	< 0.01	0.005	0.06	25.2	3.1	0.10	50	1.60	0.01	1.95	5.0	1050	3.2	5.7	< 0.001	< 0.01
606845	2669407	2.15	< 0.05	0.04	< 0.01	0.005	0.05	23.6	3.7	0.10	40	0.45	0.01	1.70	3.8	920	3.0	5.2	< 0.001	< 0.01
606846	2669407	4.60	< 0.05	0.02	0.03	0.005	0.03	17.8	2.1	0.08	30	0.40	< 0.01	2.10	2.6	660	4.2	3.3	< 0.001	0.01
606847	2669407	3.55	< 0.05	0.08	0.01	0.015	0.03	22.6	3.8	0.09	35	0.40	< 0.01	2.65	3.2	790	4.2	3.4	< 0.001	0.01
606848	2669407	4.45	< 0.05	0.08	0.01	0.010	0.05	16.6	5.2	0.16	40	0.25	< 0.01	2.75	6.2	660	4.4	4.5	< 0.001	0.01
606849	2669407	4.20	< 0.05	0.06	0.03	0.005	0.03	15.2	4.9	0.15	45	0.35	< 0.01	2.50	6.8	840	4.2	4.5	< 0.001	0.01
606850	2669407	3.00	< 0.05	0.08	0.01	0.005	0.05	18.4	4.3	0.17	60	0.30	< 0.01	2.55	7.6	1190	3.2	4.6	< 0.001	0.01
606851	2669407	4.65	< 0.05	0.08	0.05	0.010	0.03	16.0	5.6	0.16	70	0.40	< 0.01	2.55	5.6	1390	4.2	3.0	< 0.001	0.02

CERTIFICATION:



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 1-C
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 Invoice No. : 10122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
601608	2669407	< 0.05	2.6	0.8	0.8	3.6	0.03	0.07	5.6	0.16	0.14	2.35	46	0.15	4.15	40	2.5
601617	2669407	< 0.05	5.7	0.6	0.8	7.0	0.08	0.09	7.4	0.29	0.24	1.35	91	0.20	4.40	78	2.5
601619	2669407	< 0.05	1.2	< 0.2	0.2	4.6	0.06	0.06	3.2	0.06	0.02	0.60	18	0.05	3.80	6	1.0
601628	2669407	< 0.05	1.4	0.2	0.2	4.4	0.07	0.02	3.6	0.07	0.02	0.60	22	0.20	4.20	8	1.0
601629	2669407	< 0.05	2.4	0.6	0.4	4.4	0.05	0.04	7.2	0.10	0.06	1.30	33	0.10	5.65	14	1.5
601630	2669407	< 0.05	1.5	0.2	0.2	6.6	0.05	0.02	3.8	0.05	0.02	0.70	16	0.80	5.15	10	0.5
601631	2669407	< 0.05	1.6	0.2	0.6	3.4	0.04	0.04	5.0	0.10	0.04	0.65	36	0.15	3.40	14	1.5
601632	2669407	< 0.05	1.3	< 0.2	0.2	4.8	0.04	0.04	3.6	0.05	0.02	0.55	13	0.05	5.00	6	0.5
601633	2669407	< 0.05	1.2	0.2	0.4	6.2	0.01	0.01	2.2	0.06	0.06	0.95	14	0.05	3.75	16	0.5
601637	2669407	< 0.05	2.0	0.6	0.6	7.4	0.03	0.03	4.2	0.11	0.10	2.15	32	0.05	9.05	24	0.5
601641	2669407	< 0.05	1.4	< 0.2	0.6	2.6	0.06	< 0.01	5.4	0.10	0.04	0.80	28	0.05	3.20	6	1.5
601646	2669407	< 0.05	2.3	0.2	0.2	5.0	0.08	0.03	4.0	0.08	0.04	0.50	23	0.05	3.70	14	1.0
601651	2669407	< 0.05	1.3	0.2	0.2	4.8	0.06	0.04	3.6	0.04	0.02	0.65	15	0.05	4.70	6	1.0
601652	2669407	< 0.05	1.4	0.6	0.2	6.4	0.07	0.03	4.0	0.05	0.02	0.75	15	0.05	4.50	6	0.5
601653	2669407	< 0.05	2.1	0.2	0.2	5.0	0.06	0.02	5.2	0.09	0.06	1.10	25	0.10	5.10	14	1.0
601660	2669407	< 0.05	0.5	< 0.2	0.4	5.2	0.01	< 0.01	0.8	0.05	< 0.02	0.85	8	0.05	3.00	4	< 0.5
601663	2669407	< 0.05	3.0	< 0.2	0.8	3.6	0.11	< 0.01	4.4	0.16	0.10	0.70	46	0.25	2.80	32	1.5
601664	2669407	< 0.05	4.5	3.6	0.6	11.6	0.06	0.23	6.8	0.21	0.36	1.90	179	0.20	4.10	58	1.5
601672	2669407	0.65	1.4	0.2	0.2	4.8	0.07	0.05	3.6	0.06	0.02	0.70	21	0.05	4.35	6	1.0
601674	2669407	< 0.05	1.6	0.6	0.4	3.8	0.08	0.02	3.0	0.08	0.04	0.55	33	0.15	2.85	8	1.0
601676	2669407	< 0.05	1.0	< 0.2	0.2	6.4	0.01	< 0.01	2.6	0.04	0.04	0.60	5	0.05	5.55	6	2.0
601677	2669407	< 0.05	1.4	0.2	0.2	5.6	0.04	< 0.01	4.4	0.05	0.02	0.60	14	0.10	5.40	8	1.0
601678	2669407	< 0.05	2.2	0.2	< 0.2	8.4	< 0.01	0.11	2.2	0.26	0.04	0.45	74	0.25	2.05	50	< 0.5
601679	2669407	< 0.05	2.6	0.2	0.4	5.8	0.05	0.05	4.4	0.09	0.08	0.70	27	0.20	4.90	22	1.0
601684	2669407	< 0.05	1.1	0.2	0.2	5.6	0.03	< 0.01	2.4	0.04	0.02	0.80	14	0.05	5.55	6	0.5
601685	2669407	< 0.05	0.9	0.2	0.2	5.8	0.03	< 0.01	2.0	0.05	0.02	0.75	10	0.05	5.60	6	0.5
601687	2669407	< 0.05	1.9	< 0.2	0.4	5.0	0.09	0.01	5.2	0.09	0.04	1.00	28	0.15	5.65	10	1.5
601688	2669407	< 0.05	1.2	0.2	0.2	4.6	0.05	0.03	3.8	0.05	0.02	0.65	16	0.15	4.70	6	0.5
601694	2669407	< 0.05	2.0	< 0.2	0.6	4.2	0.03	0.04	4.4	0.09	0.06	0.95	28	0.05	4.10	18	1.5
601695	2669407	< 0.05	2.5	0.4	0.4	4.4	0.05	0.02	8.0	0.10	0.06	1.05	44	0.10	5.65	16	2.0
601698	2669407	< 0.05	2.7	0.4	0.4	3.4	0.05	< 0.01	5.8	0.08	0.04	0.85	32	0.05	4.60	10	1.5
606843	2669407	< 0.05	1.8	0.2	0.2	4.6	0.01	< 0.01	4.2	0.06	0.06	0.65	22	0.05	5.50	12	0.5
606844	2669407	< 0.05	1.3	0.2	0.2	10.6	< 0.01	0.03	4.4	0.05	0.04	0.60	21	< 0.05	7.35	10	1.5
606845	2669407	< 0.05	1.2	0.2	0.2	9.2	< 0.01	0.04	3.8	0.05	0.06	0.60	13	0.05	6.60	10	0.5
606846	2669407	< 0.05	1.0	0.2	0.2	6.0	0.01	0.03	2.2	0.06	0.02	0.50	22	0.05	4.60	8	0.5
606847	2669407	< 0.05	2.2	< 0.2	0.2	5.0	0.04	0.02	5.6	0.06	0.02	0.85	20	0.05	6.40	10	1.5
606848	2669407	< 0.05	3.0	< 0.2	0.2	3.8	0.03	0.01	5.2	0.08	0.04	0.55	30	0.05	5.05	12	2.5
606849	2669407	0.05	2.3	0.2	0.2	5.8	0.04	0.01	4.4	0.07	0.02	0.65	26	0.05	4.75	14	1.0
606850	2669407	< 0.05	1.9	< 0.2	0.2	8.0	0.04	0.03	4.8	0.06	0.02	0.60	31	0.05	6.15	14	1.5
606851	2669407	< 0.05	3.2	0.2	0.2	6.0	0.05	0.04	5.0	0.08	0.04	0.55	31	0.10	4.55	14	1.5

CERTIFICATION: 



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To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
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CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Weight		Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ICP-MS	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
606852	2669407	0.68	< 1	0.5	< 1	0.08	1.48	1.2	< 10	19.6	0.35	0.03	0.12	< 0.01	33.9	2.9	32	0.65	11.2	3.26	
606853	2669407	0.58	< 1	0.5	< 1	0.03	1.69	0.7	< 10	31.8	0.30	< 0.01	0.36	< 0.01	48.5	2.5	28	0.30	7.8	2.66	
606854	2669407	0.94	2	1.0	1	0.01	3.70	1.4	< 10	113.4	0.95	0.02	3.92	0.07	195.5	63.2	28	3.50	201	8.65	
606855	2669407	0.84	< 1	0.5	< 1	< 0.01	1.37	0.7	< 10	21.6	0.20	< 0.01	0.21	< 0.01	35.7	2.3	28	0.35	14.8	1.55	
606856	2669407	0.92	< 1	0.5	< 1	0.02	1.51	0.5	< 10	23.0	0.25	< 0.01	0.29	< 0.01	36.6	3.0	20	0.35	10.4	1.61	
606858	2669407	0.92	< 1	< 0.5	< 1	0.01	0.97	0.6	< 10	11.6	0.15	< 0.01	0.20	< 0.01	36.2	1.2	8	0.15	3.0	1.04	
606859	2669407	0.74	< 1	0.5	< 1	0.01	1.70	0.5	< 10	12.6	0.35	0.01	0.25	< 0.01	34.4	2.8	19	0.35	8.8	2.03	
606860	2669407	1.06	< 1	0.5	< 1	< 0.01	1.17	0.6	< 10	25.4	0.30	< 0.01	0.19	< 0.01	35.9	3.0	17	0.45	11.8	1.71	
606861	2669407	1.10	< 1	< 0.5	< 1	< 0.01	0.52	0.6	< 10	46.4	0.15	< 0.01	0.25	< 0.01	37.2	2.6	14	0.50	7.2	1.09	
606862	2669407	0.70	< 1	1.0	1	0.09	2.55	0.6	< 10	77.6	0.25	0.01	0.12	0.03	36.0	13.6	88	1.80	29.6	4.97	
606863	2669407	0.98	< 1	0.5	< 1	< 0.01	1.64	0.5	< 10	18.4	0.30	< 0.01	0.25	< 0.01	42.5	2.8	23	0.30	9.0	1.89	
606864	2669407	0.90	1	1.0	1	0.07	3.57	0.8	< 10	42.6	0.45	0.06	0.07	0.01	39.8	5.1	51	1.85	26.0	4.45	
606865	2669407	0.92	< 1	2.0	< 1	< 0.01	1.21	0.5	< 10	13.0	0.20	< 0.01	0.20	< 0.01	33.5	1.3	10	0.15	3.4	1.35	
606866	2669407	0.92	< 1	< 0.5	< 1	< 0.01	1.56	0.5	< 10	11.8	0.25	< 0.01	0.18	< 0.01	38.0	1.5	11	0.25	2.6	1.74	
606867	2669407	0.98	< 1	< 0.5	< 1	< 0.01	0.91	0.7	< 10	12.6	0.15	< 0.01	0.21	< 0.01	39.1	1.5	14	0.25	7.6	0.95	
606868	2669407	0.52	< 1	0.5	< 1	0.16	0.52	0.7	< 10	25.0	0.05	0.03	0.04	< 0.01	31.7	2.1	22	0.60	12.8	1.68	
606869	2669407	0.94	< 1	< 0.5	< 1	< 0.01	0.68	0.4	< 10	16.0	0.15	< 0.01	0.17	< 0.01	33.4	1.0	8	0.20	2.2	1.03	
606870	2669407	0.68	< 1	< 0.5	< 1	< 0.01	0.90	0.9	< 10	35.0	0.20	< 0.01	0.23	< 0.01	39.7	2.9	16	0.40	12.6	1.34	
606871	2669407	0.86	< 1	< 0.5	< 1	0.01	0.94	0.8	< 10	26.2	0.15	< 0.01	0.06	< 0.01	34.3	2.4	19	0.75	9.2	1.98	
606872	2669407	0.84	< 1	< 0.5	< 1	< 0.01	0.68	0.6	< 10	28.8	0.10	< 0.01	0.22	< 0.01	36.2	3.5	14	0.35	10.0	1.30	
606873	2669407	0.90	1	1.5	< 1	0.01	1.21	0.8	< 10	57.8	0.25	< 0.01	0.19	0.02	40.7	4.9	21	0.75	22.0	1.80	
606874	2669407	0.98	< 1	1.0	< 1	< 0.01	1.28	0.9	< 10	22.4	0.25	< 0.01	0.17	< 0.01	37.3	2.5	17	0.40	10.2	1.41	
606875	2669407	1.00	< 1	0.5	< 1	0.01	1.77	1.2	< 10	31.0	0.40	< 0.01	0.17	< 0.01	39.6	3.0	22	0.55	9.6	2.18	
606876	2669407	0.90	< 1	< 0.5	< 1	0.02	1.50	0.5	< 10	11.8	0.20	< 0.01	0.17	< 0.01	34.1	1.4	12	0.25	3.4	1.47	
606877	2669407	1.02	< 1	1.5	1	< 0.01	1.25	0.5	< 10	14.8	0.35	< 0.01	0.15	< 0.01	43.4	2.5	45	0.25	3.8	1.14	
606878	2669407	1.18	< 1	0.5	< 1	< 0.01	0.99	1.6	< 10	37.6	0.20	< 0.01	0.22	< 0.01	42.2	3.1	18	0.60	13.4	1.39	
606879	2669407	1.10	< 1	1.0	< 1	0.01	1.80	1.0	< 10	22.2	0.35	0.01	0.12	< 0.01	36.0	3.4	26	0.65	11.2	2.22	
606880	2669407	0.70	5	0.5	< 1	0.03	1.76	0.6	< 10	20.4	0.20	< 0.01	0.24	< 0.01	36.1	2.5	22	0.40	9.2	2.26	
606881	2669407	0.96	< 1	0.5	< 1	0.01	1.05	0.6	< 10	32.2	0.15	< 0.01	0.22	< 0.01	41.4	3.0	20	0.40	14.0	1.59	
606882	2669407	0.70	< 1	0.5	< 1	0.03	1.07	0.7	< 10	15.6	0.20	< 0.01	0.10	< 0.01	37.0	2.2	20	0.35	5.8	2.25	
606883	2669407	1.08	6	0.5	4	0.12	1.57	0.9	< 10	38.0	0.15	0.02	0.11	< 0.01	38.8	2.9	75	0.80	203	3.94	
606884	2669407	0.94	< 1	0.5	< 1	0.01	1.44	0.8	< 10	33.2	0.25	< 0.01	0.09	< 0.01	32.5	3.6	30	0.55	8.6	2.36	
606885	2669407	1.00	< 1	< 0.5	< 1	< 0.01	0.99	0.5	< 10	16.6	0.20	< 0.01	0.25	< 0.01	51.4	1.5	10	0.25	5.2	1.24	
606886	2669407	0.80	< 1	< 0.5	< 1	0.01	1.64	0.5	< 10	20.6	0.35	< 0.01	0.29	< 0.01	42.2	2.9	19	0.25	9.8	1.74	
606887	2669407	0.94	< 1	< 0.5	< 1	< 0.01	1.34	0.7	< 10	20.0	0.20	< 0.01	0.19	< 0.01	34.1	2.1	17	0.30	8.6	1.51	
606888	2669407	0.84	< 1	< 0.5	< 1	0.03	1.35	0.5	< 10	18.4	0.40	< 0.01	0.14	< 0.01	44.6	1.7	12	0.35	5.0	1.61	
606889	2669407	0.64	< 1	0.5	< 1	0.06	2.53	0.6	< 10	17.6	0.20	< 0.01	0.35	0.03	38.5	7.4	19	0.30	27.2	2.48	
606890	2669407	0.94	< 1	< 0.5	1	0.03	2.46	0.7	< 10	27.8	0.60	0.01	0.11	0.03	45.4	3.0	19	0.55	11.4	2.61	
606891	2669407	1.02	< 1	1.0	< 1	0.04	1.63	1.0	< 10	24.4	0.25	0.03	0.12	< 0.01	35.6	4.1	29	0.70	14.2	2.56	
606892	2669407	0.74	< 1	3.0	2	< 0.01	1.24	0.5	< 10	58.2	0.25	< 0.01	0.29	< 0.01	55.8	4.6	25	0.75	29.4	2.12	

CERTIFICATION: _____



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 Account :GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS

A0122395

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
606852	2669407	8.90 < 0.05	0.08	0.03	0.015	0.04	14.4	6.9	0.23	90	0.50 < 0.01	5.20	0.6	920	8.8	4.9 < 0.001	0.03			
606853	2669407	5.35 < 0.05	0.10	0.03	0.015	0.02	24.4	4.4	0.22	70	0.40 < 0.01	4.35	1.4	1560	7.4	2.2 < 0.001	0.01			
606854	2669407	13.45 < 0.20	0.36	0.03	0.060	0.36	64.4	17.8	2.08	495	1.60 < 0.09	2.40	116.8	>10000	9.0	33.0 < 0.001	0.04			
606855	2669407	3.70 < 0.05	0.04	0.01	0.005	0.05	16.4	3.2	0.17	45	0.35 < 0.01	2.10	0.8	810	7.6	4.1 < 0.001	0.03			
606856	2669407	3.00 < 0.05	0.06	0.03	0.005	0.07	18.2	5.9	0.23	70	0.30 < 0.01	2.80	3.8	1100	5.0	5.7 < 0.001	0.01			
606858	2669407	2.40 < 0.05	0.02	0.02	0.005	0.03	19.0	2.4	0.08	35	0.15 < 0.01	2.10	< 0.2	780	5.0	2.5 < 0.001	0.01			
606859	2669407	4.95 < 0.05	0.08	0.04	0.005	0.03	16.4	4.9	0.20	70	0.40 < 0.01	3.35	0.8	1180	7.4	2.9 < 0.001	0.02			
606860	2669407	3.60 < 0.05	0.06	0.03	0.005	0.06	19.0	6.9	0.24	65	0.85 < 0.01	3.25	2.0	620	5.8	6.2 < 0.001	< 0.01			
606861	2669407	2.75 < 0.05	0.02 < 0.01	0.005	0.15	16.2	5.8	0.24	65	0.75 < 0.01	2.10	1.2	770	3.4	12.9 < 0.001	< 0.01				
606862	2669407	13.90 < 0.05	0.06	0.04	0.035	0.25	14.0	16.7	1.27	285	0.65 < 0.01	5.90	31.2	430	9.4	32.0 < 0.001	0.02			
606863	2669407	3.00 < 0.05	0.06 < 0.01	0.005	0.04	19.4	5.0	0.20	65	0.30 < 0.01	2.65	1.6	1040	5.4	3.7 < 0.001	0.01				
606864	2669407	12.60 < 0.05	0.12	0.03	0.030	0.12	17.6	9.5	0.39	90	1.25 < 0.01	7.00	6.2	360	15.0	16.2 < 0.001	0.04			
606865	2669407	2.85 < 0.05	0.02 < 0.01	0.005	0.02	17.4	2.3	0.08	40	0.15 < 0.01	2.15	< 0.2	950	6.0	2.2 < 0.001	0.01				
606866	2669407	4.75 < 0.05	0.06 < 0.01	0.005	0.03	19.6	3.4	0.11	55	0.20 < 0.01	3.85	< 0.2	980	8.2	3.3 < 0.001	0.01				
606867	2669407	2.00 < 0.05	0.02 < 0.01	0.005	0.04	21.6	2.9	0.13	40	0.20 < 0.01	1.95	< 0.2	910	4.4	3.2 < 0.001	0.01				
606868	2669407	6.85 < 0.05	0.02 < 0.01	< 0.005	0.07	11.2	2.3	0.16	55	0.60 < 0.01	4.65	0.4	330	9.8	7.1 < 0.001	< 0.01				
606869	2669407	3.50 < 0.05	0.02 < 0.01	0.005	0.03	18.0	1.7	0.07	30	0.30 < 0.01	2.20	< 0.2	690	6.0	3.0 < 0.001	0.01				
606870	2669407	2.45 < 0.05	0.06 < 0.01	0.005	0.11	21.0	5.8	0.21	65	0.20 < 0.01	2.80	2.0	900	5.4	9.6 < 0.001	< 0.01				
606871	2669407	6.70 < 0.05	0.06 < 0.01	0.005	0.06	14.6	4.8	0.22	60	1.30 < 0.01	4.35	0.2	210	6.8	7.1 < 0.001	0.01				
606872	2669407	2.35 < 0.05	0.06 < 0.01	0.005	0.11	16.6	5.0	0.20	65	0.25 < 0.01	2.45	2.6	860	6.8	8.5 < 0.001	< 0.01				
606873	2669407	3.90 < 0.05	0.04 < 0.01	0.005	0.13	21.0	16.6	0.30	80	1.55 < 0.01	3.75	12.0	610	6.6	14.0 < 0.001	0.01				
606874	2669407	3.35 < 0.05	0.06 < 0.01	0.005	0.06	20.0	6.1	0.18	55	0.20 < 0.01	3.00	1.0	670	6.0	6.1 < 0.001	0.01				
606875	2669407	5.00 < 0.05	0.08	0.01	0.015	0.08	17.2	7.5	0.27	85	0.50 < 0.01	4.25	1.2	680	7.2	7.8 < 0.001	0.01			
606876	2669407	3.75 < 0.05	0.06	0.02	0.005	0.03	17.6	2.4	0.09	50	0.25 < 0.01	3.05	< 0.2	820	7.0	2.9 < 0.001	0.01			
606877	2669407	3.10 < 0.05	0.06 < 0.01	0.005	0.04	19.8	3.3	0.10	50	1.10 < 0.01	3.00	38.8	720	6.6	3.8 < 0.001	0.01				
606878	2669407	2.85 < 0.05	0.02 < 0.01	0.005	0.14	23.4	8.0	0.28	85	0.40 < 0.01	2.70	2.6	770	5.6	12.8 < 0.001	0.01				
606879	2669407	6.25 < 0.05	0.06 < 0.01	0.010	0.06	13.6	6.0	0.24	85	0.45 < 0.01	3.70	3.6	640	9.2	7.0 < 0.001	0.02				
606880	2669407	3.95 < 0.05	0.06	0.01	0.010	0.04	14.6	4.9	0.19	65	0.70 < 0.01	3.25	0.4	1230	5.8	4.0 < 0.001	0.02			
606881	2669407	3.15 < 0.05	0.06 < 0.01	0.010	0.09	21.4	5.9	0.24	70	0.20 < 0.01	3.00	3.2	830	6.0	7.6 < 0.001	0.01				
606882	2669407	9.00 < 0.05	0.06 < 0.01	0.005	0.04	15.0	4.5	0.19	60	0.40 < 0.01	4.50	< 0.2	460	6.8	4.0 < 0.001	0.01				
606883	2669407	4.50 < 0.05	0.06 < 0.01	0.020	0.14	17.2	6.4	0.25	65	15.45 < 0.01	3.45	2.2	430	5.2	9.9 < 0.001	0.07				
606884	2669407	5.30 < 0.05	0.06 < 0.01	0.010	0.06	13.4	8.9	0.41	95	0.55 < 0.01	3.60	4.6	480	6.2	6.5 < 0.001	0.01				
606885	2669407	2.65 < 0.05	0.06 < 0.01	0.005	0.05	27.6	2.9	0.10	40	0.45 < 0.01	2.80	< 0.2	1030	6.2	4.8 < 0.001	0.01				
606886	2669407	3.25 < 0.05	0.08 < 0.01	0.015	0.04	21.4	4.7	0.20	65	0.25 < 0.01	3.15	1.8	1160	5.8	4.1 < 0.001	0.01				
606887	2669407	3.05 < 0.05	0.06 < 0.01	0.005	0.06	17.4	3.8	0.15	45	0.35 < 0.01	2.65	< 0.2	800	5.2	5.3 < 0.001	0.01				
606888	2669407	5.80 < 0.05	0.06 < 0.01	0.005	0.05	22.0	3.2	0.11	45	0.95 < 0.01	3.95	< 0.2	620	8.2	5.2 < 0.001	0.01				
606889	2669407	5.50 < 0.05	0.06	0.02	0.015	0.03	15.0	5.3	0.59	105	0.35 < 0.02	2.85	43.8	1380	5.4	2.5 < 0.001	0.03			
606890	2669407	6.60 < 0.05	0.08	0.01	0.015	0.07	24.0	7.7	0.20	70	2.45 < 0.01	4.50	0.8	610	12.2	7.9 < 0.001	0.03			
606891	2669407	8.90 < 0.05	0.06 < 0.01	0.010	0.07	14.0	5.4	0.28	95	0.50 < 0.01	4.20	6.0	530	9.8	7.6 < 0.001	0.01				
606892	2669407	3.55 < 0.05	0.04 < 0.01	0.010	0.18	28.4	10.6	0.42	110	0.95 < 0.01	2.90	3.2	990	6.6	12.7 < 0.001	0.02				

CERTIFICATION: 



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 2-C
 Total : 5
 Certificate Date: 24-AUG-2001
 Invoice No. : 10122395
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CERTIFICATE OF ANALYSIS

A0122395

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
606852	2669407	0.05	1.7	< 0.2	0.8	4.6	0.05	0.01	4.4	0.21	0.02	0.50	67	0.20	3.10	22	1.5
606853	2669407	< 0.05	2.3	0.2	0.6	9.8	0.11	0.01	7.0	0.11	< 0.02	0.70	60	0.10	7.95	12	2.0
606854	2669407	< 0.05	5.2	1.0	1.8	60.6	0.06	0.04	5.6	0.22	0.22	0.50	95	0.05	70.40	164	6.0
606855	2669407	< 0.05	1.0	0.2	0.2	5.2	0.02	< 0.01	2.0	0.07	0.02	0.55	25	< 0.05	4.75	14	0.5
606856	2669407	< 0.05	1.5	< 0.2	0.2	8.0	0.05	< 0.01	3.4	0.07	0.02	0.60	27	< 0.05	5.75	18	1.0
606858	2669407	< 0.05	0.6	< 0.2	0.2	5.4	0.04	< 0.01	3.0	0.05	< 0.02	0.50	19	< 0.05	5.55	8	0.5
606859	2669407	< 0.05	1.9	< 0.2	0.4	7.2	0.06	< 0.01	4.0	0.10	< 0.02	0.55	40	0.05	5.10	14	1.5
606860	2669407	< 0.05	1.4	< 0.2	0.4	5.6	0.03	< 0.01	5.0	0.09	0.02	0.50	28	< 0.05	4.75	16	1.5
606861	2669407	< 0.05	0.9	< 0.2	0.2	6.2	< 0.01	< 0.01	3.0	0.07	0.04	0.50	21	< 0.05	4.90	16	0.5
606862	2669407	< 0.05	6.8	< 0.2	1.6	4.8	0.01	0.03	5.8	0.39	0.20	0.55	119	< 0.05	3.05	58	1.5
606863	2669407	< 0.05	1.7	0.2	0.2	7.6	0.05	< 0.01	4.2	0.07	< 0.02	0.65	30	0.05	5.70	14	1.0
606864	2669407	< 0.05	4.2	< 0.2	1.0	3.6	0.04	0.01	8.6	0.30	0.12	0.85	96	< 0.05	4.15	24	2.5
606865	2669407	< 0.05	0.7	< 0.2	0.2	5.6	0.04	< 0.01	3.6	0.05	< 0.02	0.45	24	< 0.05	5.45	10	0.5
606866	2669407	< 0.05	1.3	< 0.2	0.6	5.0	0.04	< 0.01	6.2	0.09	< 0.02	0.55	30	< 0.05	5.80	10	1.0
606867	2669407	< 0.05	0.8	0.2	0.2	4.8	0.02	< 0.01	3.2	0.05	< 0.02	0.60	16	< 0.05	5.60	8	0.5
606868	2669407	< 0.05	0.9	< 0.2	1.4	3.2	< 0.01	< 0.01	2.6	0.22	0.02	0.50	50	0.75	1.60	12	1.0
606869	2669407	< 0.05	0.4	< 0.2	0.4	5.8	0.01	< 0.01	2.2	0.06	< 0.02	0.50	19	< 0.05	4.70	6	0.5
606870	2669407	< 0.05	1.2	< 0.2	0.2	5.8	0.01	< 0.01	4.6	0.07	0.06	0.55	23	< 0.05	5.65	14	1.5
606871	2669407	< 0.05	1.4	< 0.2	0.6	3.6	0.02	0.01	4.8	0.15	0.02	0.50	48	0.05	2.10	12	1.5
606872	2669407	< 0.05	1.0	< 0.2	0.2	5.2	0.01	< 0.01	4.8	0.07	0.06	0.55	24	< 0.05	5.10	14	1.5
606873	2669407	< 0.05	1.8	< 0.2	0.4	5.8	0.01	< 0.01	5.0	0.11	0.08	0.85	30	< 0.05	5.40	36	1.0
606874	2669407	< 0.05	1.5	< 0.2	0.2	4.6	0.04	< 0.01	5.8	0.07	0.02	0.55	25	< 0.05	4.80	16	1.5
606875	2669407	< 0.05	2.3	0.2	0.6	5.2	0.05	< 0.01	6.2	0.11	0.04	0.65	37	< 0.05	4.65	20	2.0
606876	2669407	< 0.05	1.2	< 0.2	0.2	5.2	0.05	< 0.01	6.0	0.07	< 0.02	0.55	25	< 0.05	4.95	10	1.0
606877	2669407	< 0.05	1.0	< 0.2	0.6	4.8	0.05	< 0.01	5.2	0.07	< 0.02	0.55	20	0.05	4.80	10	1.0
606878	2669407	< 0.05	1.6	< 0.2	0.2	5.2	0.01	< 0.01	5.2	0.08	0.08	0.65	25	< 0.05	5.70	18	1.0
606879	2669407	< 0.05	1.9	< 0.2	0.6	4.0	0.04	0.01	6.0	0.13	0.02	0.55	50	0.05	3.30	18	1.5
606880	2669407	< 0.05	1.5	0.2	0.2	6.6	0.08	< 0.01	4.0	0.08	0.02	0.65	33	0.20	4.75	14	1.5
606881	2669407	< 0.05	1.4	< 0.2	0.2	5.6	0.02	< 0.01	4.6	0.08	0.04	0.60	28	< 0.05	5.55	16	1.0
606882	2669407	< 0.05	1.3	< 0.2	0.6	3.6	0.03	0.01	5.2	0.15	< 0.02	0.40	53	< 0.05	2.70	14	1.5
606883	2669407	< 0.05	2.9	1.2	0.4	4.0	0.04	0.30	7.2	0.11	0.10	0.65	38	< 0.05	3.45	14	1.0
606884	2669407	< 0.05	2.3	< 0.2	0.6	4.0	0.04	0.01	4.8	0.13	0.02	0.45	45	0.05	3.00	22	1.5
606885	2669407	< 0.05	0.9	< 0.2	0.2	6.0	0.04	< 0.01	5.6	0.05	0.02	1.15	23	< 0.05	7.50	8	1.0
606886	2669407	< 0.05	1.7	< 0.2	0.2	9.0	0.08	< 0.01	5.4	0.07	0.02	0.70	26	< 0.05	6.75	14	1.5
606887	2669407	< 0.05	1.6	< 0.2	0.2	5.0	0.03	< 0.01	4.8	0.07	< 0.02	0.55	27	< 0.05	5.40	12	1.0
606888	2669407	< 0.05	1.2	0.2	0.6	4.8	0.07	0.01	5.4	0.10	< 0.02	0.65	29	< 0.05	5.60	10	1.0
606889	2669407	< 0.05	2.1	0.2	0.6	10.0	0.05	0.01	3.8	0.10	< 0.02	0.50	41	< 0.05	7.60	20	1.5
606890	2669407	< 0.05	2.0	< 0.2	0.6	4.6	0.08	0.01	7.6	0.11	0.06	0.85	40	0.05	5.75	24	1.5
606891	2669407	< 0.05	1.9	< 0.2	0.8	4.2	0.06	0.02	5.6	0.18	0.02	0.55	71	< 0.05	2.85	24	2.0
606892	2669407	< 0.05	2.4	< 0.2	0.4	11.2	0.01	0.01	5.8	0.10	0.08	1.45	35	0.05	7.15	30	0.5

CERTIFICATION: 



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

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CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Weight	Au ppb	Pt ppb	Pd ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ICP-MS	ICP-MS	ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
606893	2669407	0.80	< 1	< 0.5	< 1	< 0.01	2.25	0.7	< 10	49.0	0.30	< 0.01	1.38	0.06	111.0	29.0	26	0.50	41.4	4.04
606894	2669407	1.00	< 1	< 0.5	< 1	< 0.01	1.22	0.5	< 10	12.2	0.30	< 0.01	0.17	< 0.01	42.6	1.3	12	0.20	3.8	1.20
606895	2669407	0.82	< 1	3.5	2	0.03	1.85	0.9	< 10	37.0	0.30	0.03	0.16	< 0.01	32.1	5.4	48	0.80	39.0	3.37
606896	2669407	0.80	1	< 0.5	< 1	0.04	3.36	0.8	< 10	46.0	0.25	0.08	0.09	0.04	33.8	5.8	12	0.80	31.8	3.16
606897	2669407	0.88	< 1	< 0.5	< 1	< 0.01	1.24	0.8	< 10	21.4	0.20	< 0.01	0.17	< 0.01	34.7	2.3	16	0.35	8.8	1.41
606898	2669407	0.96	< 1	< 0.5	< 1	0.03	1.53	0.6	< 10	22.4	0.25	< 0.01	0.19	< 0.01	33.4	2.6	21	0.40	7.6	1.97
606899	2669407	0.88	< 1	< 0.5	< 1	0.05	1.87	0.5	< 10	15.6	0.35	< 0.01	0.19	< 0.01	33.5	1.5	14	0.25	4.2	1.71
606900	2669407	0.72	< 1	< 0.5	< 1	< 0.01	1.56	0.6	< 10	22.6	0.20	< 0.01	0.16	< 0.01	40.3	2.2	16	0.35	6.2	1.80
609301	2669407	1.20	< 1	< 0.5	< 1	< 0.01	1.24	0.5	< 10	20.6	0.30	< 0.01	0.25	< 0.01	47.5	1.0	10	0.40	2.6	0.99
609302	2669407	0.76	< 1	< 0.5	< 1	0.04	2.15	0.6	< 10	26.4	0.40	< 0.01	0.19	< 0.01	58.1	2.3	16	0.65	9.6	1.97
609303	2669407	1.20	< 1	< 0.5	< 1	< 0.01	0.48	0.7	< 10	14.0	0.05	< 0.01	0.27	< 0.01	39.5	1.0	8	0.15	3.2	0.79
609304	2669407	0.86	< 1	< 0.5	< 1	0.03	1.37	0.5	< 10	27.4	0.25	< 0.01	0.20	< 0.01	48.6	2.5	24	0.45	7.6	1.92
609305	2669407	0.94	< 1	< 0.5	< 1	0.12	5.50	0.8	< 10	390.2	1.10	0.16	0.21	0.05	82.5	20.2	84	7.45	35.8	7.87
609306	2669407	1.36	< 1	< 0.5	< 1	0.04	2.01	0.5	< 10	103.2	0.25	0.06	0.40	< 0.01	62.8	5.5	25	1.80	10.4	2.52
609307	2669407	1.08	< 1	< 0.5	< 1	0.09	3.10	0.5	< 10	180.8	0.50	0.11	0.27	< 0.01	82.4	7.2	45	3.30	20.6	3.25
609308	2669407	1.58	< 1	< 0.5	< 1	0.11	2.61	0.6	< 10	149.6	0.55	0.08	0.32	< 0.01	84.2	6.5	31	2.35	15.4	3.17
609309	2669407	1.16	< 1	< 0.5	< 1	< 0.01	1.16	0.5	< 10	88.4	0.30	0.01	0.44	< 0.01	44.2	4.5	19	1.25	7.2	1.61
609310	2669407	0.84	< 1	< 0.5	< 1	0.01	2.75	0.6	< 10	26.6	0.40	< 0.01	0.20	< 0.01	53.3	1.9	13	0.55	4.4	1.51
609311	2669407	1.24	< 1	< 0.5	< 1	< 0.01	0.87	0.4	< 10	18.2	0.25	< 0.01	0.29	< 0.01	52.7	1.0	6	0.40	2.2	0.75
609312	2669407	0.94	< 1	< 0.5	< 1	< 0.01	0.80	0.5	< 10	57.0	0.15	< 0.01	0.37	< 0.01	72.4	2.8	13	1.05	5.4	1.11
609313	2669407	1.10	< 1	2.0	< 1	< 0.01	1.12	0.6	< 10	16.0	0.30	< 0.01	0.26	< 0.01	48.1	1.7	12	0.15	7.2	1.49
609314	2669407	0.94	< 1	0.5	< 1	0.03	1.40	0.6	< 10	17.8	0.30	< 0.01	0.15	< 0.01	55.1	0.8	11	0.30	5.2	0.68
609315	2669407	1.08	< 1	0.5	< 1	0.01	1.52	0.5	< 10	102.8	0.40	0.01	0.46	< 0.01	53.3	4.9	22	1.40	8.4	1.81
609316	2669407	0.86	< 1	< 0.5	< 1	0.01	1.93	0.5	< 10	37.0	0.40	0.02	0.29	< 0.01	46.6	3.2	18	0.70	4.6	1.81
609317	2669407	1.34	< 1	< 0.5	< 1	0.01	1.31	0.5	< 10	67.4	0.25	0.03	0.33	< 0.01	46.9	3.1	17	0.90	9.4	1.52
609318	2669407	0.88	< 1	< 0.5	< 1	0.07	2.07	0.6	< 10	121.6	0.35	0.06	0.34	0.03	58.9	6.9	30	2.05	10.4	2.90
609319	2669407	1.34	< 1	0.5	< 1	< 0.01	0.80	0.5	< 10	57.0	0.15	0.02	0.37	< 0.01	46.5	2.7	14	0.70	4.2	1.17
609320	2669407	1.04	< 1	< 0.5	< 1	0.02	1.21	0.6	< 10	72.2	0.30	0.04	0.55	< 0.01	66.7	4.1	18	1.05	7.6	1.76
609321	2669407	1.24	< 1	< 0.5	< 1	0.01	0.83	0.5	< 10	26.0	0.15	< 0.01	0.37	< 0.01	54.6	1.3	8	0.55	3.8	0.66
609323	2669407	1.12	< 1	< 0.5	< 1	0.04	1.70	0.5	< 10	18.4	0.25	< 0.01	0.29	< 0.01	47.2	1.1	8	0.50	3.0	1.20
609324	2669407	0.88	< 1	0.5	< 1	0.06	1.46	0.5	< 10	16.0	0.45	0.18	0.16	0.01	34.4	1.7	13	0.85	5.2	1.48
609325	2669407	1.24	< 1	< 0.5	< 1	< 0.01	0.47	0.4	< 10	20.8	0.15	< 0.01	0.22	< 0.01	34.9	1.2	8	0.25	3.4	0.73
609326	2669407	0.82	< 1	< 0.5	< 1	0.01	1.41	0.5	< 10	35.4	0.30	< 0.01	0.28	< 0.01	76.1	2.1	14	0.50	4.6	1.53
609327	2669407	1.06	< 1	0.5	< 1	0.01	1.60	0.6	< 10	73.2	0.40	0.03	0.52	< 0.01	68.8	4.6	21	1.00	8.4	2.11
609328	2669407	0.84	< 1	< 0.5	< 1	0.03	1.59	0.5	< 10	105.2	0.40	0.03	0.50	< 0.01	65.0	5.9	26	1.35	9.8	2.63
609329	2669407	0.82	< 1	< 0.5	< 1	0.03	1.32	0.6	< 10	64.6	0.40	0.04	0.50	0.01	58.2	4.7	22	1.00	8.0	2.38
609330	2669407	1.10	< 1	< 0.5	< 1	0.04	2.30	0.5	< 10	94.0	0.65	0.06	0.27	< 0.01	80.1	4.8	24	1.45	11.0	2.45
609331	2669407	0.74	< 1	0.5	< 1	0.03	1.83	0.5	< 10	145.6	0.45	0.04	0.35	0.01	69.7	6.7	27	1.75	14.2	2.69
609334	2669407	1.12	< 1	< 0.5	< 1	< 0.01	1.06	0.5	< 10	21.6	0.20	< 0.01	0.29	< 0.01	51.6	1.3	8	0.50	2.8	0.91
609335	2669407	1.10	< 1	< 0.5	< 1	0.05	1.88	0.6	< 10	127.2	0.40	0.05	0.48	< 0.01	76.9	5.9	25	1.80	11.0	2.52

CERTIFICATION:



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 3-B
 Total : 5
 Certificate Date: 24-AUG-2001
 Invoice No. : 10122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
606893	2669407	6.35	0.05	0.16	< 0.01	0.020	0.10	43.2	13.6	1.40	365	0.85	0.06	2.85	41.6	5030	5.2	14.4	< 0.001	0.01
606894	2669407	3.95	< 0.05	0.06	< 0.01	0.005	0.02	22.2	2.5	0.09	40	0.20	< 0.01	2.85	< 0.2	710	7.0	2.6	< 0.001	0.01
606895	2669407	7.90	< 0.05	0.08	< 0.01	0.015	0.08	12.8	7.2	0.41	90	0.50	0.01	3.55	11.6	730	9.4	7.8	< 0.001	0.02
606896	2669407	13.65	< 0.05	0.04	0.05	0.025	0.13	18.2	6.0	0.45	105	0.80	0.01	3.95	5.4	570	14.0	10.8	< 0.001	0.07
606897	2669407	3.20	< 0.05	0.06	< 0.01	0.005	0.06	18.4	5.5	0.17	50	0.20	< 0.01	2.85	0.6	740	5.6	5.9	< 0.001	0.01
606898	2669407	6.30	< 0.05	0.02	< 0.01	0.010	0.04	15.2	5.0	0.23	80	0.25	< 0.01	3.20	0.2	1150	7.4	4.0	< 0.001	0.01
606899	2669407	4.90	< 0.05	0.06	0.01	0.010	0.03	16.4	2.1	0.10	65	0.40	< 0.01	3.25	< 0.2	1170	7.8	3.1	< 0.001	0.02
606900	2669407	4.00	< 0.05	0.06	< 0.01	0.005	0.04	17.2	4.7	0.17	55	0.25	0.01	3.30	< 0.2	770	6.8	3.9	< 0.001	0.01
609301	2669407	3.25	< 0.05	0.06	< 0.01	0.010	0.06	24.6	3.7	0.10	40	0.35	< 0.01	3.85	< 0.2	990	16.6	5.6	< 0.001	0.02
609302	2669407	7.15	< 0.05	0.06	0.01	0.010	0.07	28.4	6.3	0.20	90	0.40	< 0.01	4.15	< 0.2	1000	11.2	9.8	< 0.001	0.03
609303	2669407	2.15	< 0.05	0.04	< 0.01	< 0.005	0.04	20.8	1.8	0.09	40	0.15	0.01	1.90	< 0.2	890	4.4	3.4	< 0.001	< 0.01
609304	2669407	4.70	< 0.05	0.08	< 0.01	0.015	0.11	24.8	5.9	0.24	85	0.25	0.01	3.80	0.4	880	7.2	9.2	< 0.001	0.01
609305	2669407	23.80	0.15	0.18	0.02	0.045	1.58	30.0	47.1	2.17	735	1.55	0.01	11.55	27.6	590	25.2	131.5	< 0.001	0.05
609306	2669407	7.65	< 0.05	0.08	< 0.01	0.015	0.33	29.4	15.2	0.55	185	0.65	0.01	5.40	3.8	1220	10.6	28.4	< 0.001	0.02
609307	2669407	12.40	0.05	0.08	0.03	0.025	0.56	32.2	17.7	0.76	230	0.90	0.01	6.70	8.4	920	15.8	49.7	< 0.001	0.06
609308	2669407	9.95	0.05	0.08	0.02	0.020	0.43	32.2	17.4	0.65	215	0.85	0.01	6.40	6.2	1190	14.0	39.9	< 0.001	0.04
609309	2669407	4.70	< 0.05	0.02	< 0.01	0.005	0.26	23.4	13.1	0.40	155	0.60	0.01	3.70	3.0	1300	6.8	25.6	< 0.001	0.01
609310	2669407	4.45	< 0.05	0.08	0.01	0.010	0.11	27.8	6.5	0.20	75	0.40	< 0.01	3.90	< 0.2	1330	10.0	12.9	< 0.001	0.03
609311	2669407	2.30	< 0.05	0.06	< 0.01	0.005	0.06	26.4	4.1	0.10	45	0.20	< 0.01	3.65	< 0.2	1130	7.8	6.1	< 0.001	0.01
609312	2669407	3.25	< 0.05	0.08	< 0.01	0.010	0.18	30.6	11.8	0.27	105	0.45	0.01	3.90	< 0.2	1320	8.2	21.8	< 0.001	< 0.01
609313	2669407	2.35	< 0.05	0.06	< 0.01	0.005	0.03	25.4	2.6	0.10	45	0.35	0.01	2.75	< 0.2	980	5.2	2.4	< 0.001	0.01
609314	2669407	3.40	< 0.05	0.06	0.02	0.005	0.03	29.4	3.4	0.08	20	0.25	< 0.01	2.70	< 0.2	640	8.2	4.5	< 0.001	0.04
609315	2669407	6.10	< 0.05	0.06	0.01	0.015	0.29	28.2	16.1	0.46	155	0.20	0.02	4.25	5.0	1280	8.0	29.5	< 0.001	0.01
609316	2669407	5.75	< 0.05	0.06	0.04	0.015	0.11	21.2	8.0	0.28	105	0.35	0.01	4.45	< 0.2	910	8.0	10.4	< 0.001	0.03
609317	2669407	4.70	< 0.05	0.02	0.03	0.005	0.18	22.6	7.6	0.28	100	0.30	0.01	3.50	< 0.2	1240	7.2	16.1	< 0.001	0.03
609318	2669407	11.10	< 0.05	0.06	0.04	0.020	0.33	26.0	16.0	0.67	200	0.85	0.01	5.50	6.0	1190	13.8	29.7	< 0.001	0.03
609319	2669407	3.95	< 0.05	0.06	< 0.01	0.005	0.16	23.4	6.1	0.25	90	0.20	0.01	3.90	< 0.2	1230	6.4	13.9	< 0.001	0.01
609320	2669407	4.80	< 0.05	0.06	< 0.01	0.015	0.21	33.8	10.5	0.37	150	0.45	0.01	4.50	1.0	1670	8.4	18.3	< 0.001	0.01
609321	2669407	2.35	< 0.05	0.08	< 0.01	0.005	0.09	27.0	5.6	0.13	55	0.40	< 0.01	3.90	< 0.2	1320	7.8	9.7	< 0.001	0.01
609323	2669407	4.15	< 0.05	0.08	< 0.01	0.010	0.05	23.6	4.6	0.11	50	0.35	< 0.01	4.25	< 0.2	1330	10.2	6.1	< 0.001	0.02
609324	2669407	4.70	< 0.05	0.06	< 0.01	0.010	0.06	17.6	8.7	0.15	70	0.80	< 0.01	3.85	< 0.2	910	7.6	7.1	< 0.001	0.01
609325	2669407	2.65	< 0.05	0.02	< 0.01	< 0.005	0.06	18.8	2.6	0.11	45	0.20	0.01	2.30	< 0.2	730	4.4	5.5	< 0.001	< 0.01
609326	2669407	4.95	< 0.05	0.08	< 0.01	0.010	0.12	32.4	6.5	0.21	70	0.35	< 0.01	4.30	< 0.2	1210	8.4	12.9	< 0.001	0.01
609327	2669407	5.15	< 0.05	0.08	< 0.01	0.010	0.24	33.4	11.7	0.39	155	0.50	0.01	4.95	1.4	1810	7.8	20.0	< 0.001	0.01
609328	2669407	7.10	< 0.05	0.08	< 0.01	0.015	0.27	32.4	17.0	0.58	195	0.50	0.01	5.15	4.2	1670	10.2	23.4	< 0.001	0.01
609329	2669407	6.65	< 0.05	0.10	0.01	0.015	0.19	26.4	11.5	0.44	160	0.50	0.01	5.25	2.0	1910	9.0	15.1	< 0.001	0.01
609330	2669407	8.85	< 0.05	0.10	0.06	0.015	0.24	35.0	12.9	0.43	140	0.50	0.01	6.65	3.4	900	11.8	21.6	< 0.001	0.03
609331	2669407	8.20	< 0.05	0.06	0.03	0.015	0.38	31.0	17.2	0.64	215	0.45	0.01	4.40	5.4	1010	10.8	34.3	< 0.001	0.03
609334	2669407	2.55	< 0.05	0.06	0.01	0.005	0.08	26.2	4.8	0.11	50	0.20	< 0.01	3.55	< 0.2	1100	8.2	7.8	< 0.001	0.01
609335	2669407	6.90	< 0.05	0.10	0.01	0.015	0.37	31.6	16.9	0.57	205	0.55	0.01	5.60	4.2	1560	10.2	33.8	< 0.001	0.02

CERTIFICATION:



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 3-C
 Total : 5
 Certi. Date: 24-AUG-2001
 Invoice No. : I0122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
606893	2669407	< 0.05	3.1	0.2	0.8	27.0	0.03	0.02	7.2	0.24	0.06	1.55	58	0.05	35.05	40	4.0
606894	2669407	< 0.05	1.1	< 0.2	0.4	4.8	0.05	< 0.01	5.6	0.08	< 0.02	0.60	23	< 0.05	5.60	8	1.0
606895	2669407	< 0.05	3.0	0.2	0.6	4.6	0.05	0.02	4.8	0.26	0.06	0.55	99	< 0.05	3.75	22	2.0
606896	2669407	< 0.05	2.7	0.4	1.0	6.8	0.06	0.01	7.6	0.20	0.06	1.05	74	< 0.05	3.45	20	0.5
606897	2669407	< 0.05	1.3	< 0.2	0.2	4.4	0.04	< 0.01	4.8	0.07	< 0.02	0.50	25	< 0.05	4.55	14	1.0
606898	2669407	< 0.05	1.3	0.2	0.6	7.4	0.05	0.01	2.6	0.10	0.02	0.55	39	0.10	3.90	18	0.5
606899	2669407	< 0.05	1.2	0.2	0.4	5.4	0.08	< 0.01	5.0	0.08	< 0.02	0.50	30	< 0.05	4.90	8	1.0
606900	2669407	< 0.05	1.6	< 0.2	0.2	4.6	0.03	< 0.01	5.2	0.09	< 0.02	0.55	30	0.40	4.45	14	1.0
609301	2669407	< 0.05	0.8	0.2	0.4	8.0	0.05	0.01	4.8	0.08	0.02	1.90	16	< 0.05	6.80	10	1.0
609302	2669407	< 0.05	1.5	0.2	0.6	5.4	0.07	< 0.01	9.0	0.12	0.04	0.95	33	< 0.05	5.85	20	1.0
609303	2669407	< 0.05	0.4	< 0.2	0.2	6.6	< 0.01	< 0.01	2.2	0.05	< 0.02	0.55	16	< 0.05	6.45	6	0.5
609304	2669407	< 0.05	1.9	< 0.2	0.6	6.2	0.04	< 0.01	7.2	0.11	0.04	0.75	35	< 0.05	6.05	20	1.5
609305	2669407	< 0.05	7.9	0.4	2.6	26.2	< 0.01	0.04	12.4	0.59	0.92	2.45	140	0.20	5.50	182	5.0
609306	2669407	< 0.05	2.4	0.2	1.0	18.6	0.01	0.01	4.6	0.20	0.22	1.45	44	0.20	6.70	42	2.0
609307	2669407	< 0.05	3.0	0.2	1.4	20.6	0.01	0.01	4.4	0.26	0.28	2.70	55	0.15	6.45	66	2.0
609308	2669407	< 0.05	2.7	0.2	1.2	19.8	0.02	0.01	4.8	0.23	0.24	1.75	52	0.55	6.90	56	2.0
609309	2669407	< 0.05	1.9	< 0.2	0.8	17.2	< 0.01	< 0.01	3.6	0.13	0.14	1.05	29	0.10	6.75	38	1.5
609310	2669407	< 0.05	2.0	0.6	0.4	5.0	0.05	< 0.01	9.6	0.08	0.08	0.95	22	< 0.05	6.95	20	1.5
609311	2669407	< 0.05	0.7	< 0.2	0.6	8.0	0.04	< 0.01	4.6	0.07	0.02	1.75	13	0.05	7.75	10	1.5
609312	2669407	< 0.05	1.7	< 0.2	0.8	10.6	< 0.01	< 0.01	9.0	0.11	0.14	3.40	20	0.20	9.85	26	3.0
609313	2669407	< 0.05	1.1	< 0.2	0.2	6.8	0.05	< 0.01	6.4	0.06	< 0.02	0.75	22	0.15	7.30	10	1.5
609314	2669407	< 0.05	0.7	0.4	0.2	5.8	0.05	< 0.01	5.0	0.06	0.02	1.00	12	< 0.05	6.35	10	0.5
609315	2669407	< 0.05	2.6	< 0.2	0.8	18.6	< 0.01	< 0.01	5.0	0.16	0.16	0.90	32	0.20	7.15	40	2.0
609316	2669407	< 0.05	1.5	0.2	0.8	13.0	0.03	< 0.01	3.2	0.12	0.08	0.90	31	0.10	5.45	20	1.0
609317	2669407	< 0.05	1.0	< 0.2	0.6	16.0	0.01	< 0.01	1.8	0.12	0.10	0.90	27	0.05	5.55	24	0.5
609318	2669407	< 0.05	2.7	< 0.2	1.2	17.2	< 0.01	0.01	4.2	0.25	0.18	0.95	58	1.00	5.65	56	2.0
609319	2669407	< 0.05	1.0	< 0.2	0.6	17.4	< 0.01	< 0.01	1.8	0.11	0.08	0.90	24	0.05	6.30	18	1.0
609320	2669407	< 0.05	1.9	< 0.2	0.8	22.4	< 0.01	0.01	4.0	0.14	0.10	1.35	32	0.20	8.45	28	1.5
609321	2669407	< 0.05	0.9	0.2	0.6	9.2	0.03	< 0.01	5.6	0.08	0.06	2.15	16	0.05	9.10	12	1.5
609323	2669407	< 0.05	1.0	0.2	0.6	7.6	0.09	< 0.01	6.6	0.09	0.02	1.75	18	0.05	7.90	12	1.5
609324	2669407	< 0.05	1.2	< 0.2	0.6	5.2	0.07	0.01	5.8	0.09	0.02	1.05	27	0.05	4.80	18	1.0
609325	2669407	< 0.05	0.5	< 0.2	0.2	6.6	< 0.01	< 0.01	3.2	0.06	0.02	0.50	15	< 0.05	5.25	8	0.5
609326	2669407	< 0.05	1.7	0.2	0.6	6.2	0.06	< 0.01	13.8	0.11	0.08	1.10	29	< 0.05	9.05	20	2.0
609327	2669407	< 0.05	2.3	< 0.2	0.6	19.2	0.03	< 0.01	7.6	0.15	0.12	1.20	37	0.15	8.45	28	2.0
609328	2669407	< 0.05	2.7	< 0.2	0.8	21.2	< 0.01	< 0.01	6.0	0.20	0.20	1.00	52	0.45	7.65	48	2.5
609329	2669407	< 0.05	2.3	< 0.2	0.8	19.2	0.01	0.01	4.2	0.20	0.08	0.90	51	0.20	7.05	30	2.5
609330	2669407	< 0.05	2.3	0.2	1.0	15.4	0.04	< 0.01	5.8	0.20	0.14	1.50	43	0.15	7.20	32	2.0
609331	2669407	< 0.05	2.5	< 0.2	1.0	21.4	< 0.01	0.01	3.6	0.21	0.18	1.30	50	0.45	6.40	52	1.5
609334	2669407	< 0.05	0.7	< 0.2	0.4	7.2	0.03	< 0.01	4.8	0.07	0.06	1.25	15	< 0.05	7.55	12	1.0
609335	2669407	< 0.05	2.5	0.2	0.8	20.6	0.01	< 0.01	6.8	0.19	0.24	1.45	45	0.35	8.35	48	2.5

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 4-A
 Total : 5
 Certif. Date: 24-AUG-2001
 Invoice No. : IO122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Weight				Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Kg															
609336	2669407	0.92	1	0.5	< 1	0.05	1.68	0.6	< 10	20.8	0.30	< 0.01	0.19	< 0.01	96.8	2.0	15	0.55	4.4	2.00
609337	2669407	1.06	< 1	0.5	< 1	0.04	1.43	0.6	< 10	40.6	0.30	0.02	0.43	< 0.01	47.5	2.9	17	0.60	5.0	1.71
609340	2669407	1.30	< 1	2.0	< 1	0.01	0.93	0.4	< 10	35.4	0.25	0.01	0.17	< 0.01	54.8	1.4	11	0.65	3.6	0.73
609342	2669407	0.94	< 1	0.5	< 1	0.03	1.48	0.8	< 10	16.8	0.20	< 0.01	0.17	< 0.01	34.8	1.4	11	0.25	3.2	1.40
609343	2669407	0.60	< 1	0.5	< 1	0.07	1.44	0.6	< 10	20.0	0.40	< 0.01	0.24	< 0.01	77.0	1.9	16	0.45	4.8	2.05
609344	2669407	1.14	< 1	0.5	< 1	0.02	1.63	0.5	< 10	37.8	0.30	0.03	0.32	< 0.01	47.4	2.8	17	0.65	4.6	1.80
609345	2669407	0.72	< 1	2.5	< 1	0.06	1.85	0.6	< 10	61.2	0.30	0.06	0.19	< 0.01	36.4	3.7	27	1.75	8.4	2.50
609348	2669407	1.22	< 1	1.5	< 1	< 0.01	0.93	0.5	< 10	38.0	0.25	0.01	0.28	< 0.01	53.3	2.8	13	0.85	4.6	1.03
609349	2669407	0.96	< 1	< 0.5	< 1	0.04	2.04	0.6	< 10	135.6	0.50	0.04	0.41	< 0.01	70.0	7.0	30	2.30	13.4	2.64
609352	2669407	1.26	< 1	< 0.5	< 1	< 0.01	1.72	0.6	< 10	44.8	0.40	0.01	0.44	< 0.01	67.0	2.9	19	0.60	5.4	1.91
609354	2669407	1.26	< 1	< 0.5	< 1	0.13	2.86	0.9	< 10	162.2	0.60	0.09	0.27	0.01	93.1	6.7	32	2.50	17.8	3.19
609355	2669407	1.04	< 1	< 0.5	< 1	0.01	1.45	0.5	< 10	34.8	0.30	0.01	0.45	< 0.01	62.4	2.4	15	0.50	4.2	1.54
609356	2669407	0.84	< 1	< 0.5	< 1	0.05	1.68	0.6	< 10	63.2	0.35	0.03	0.47	< 0.01	61.3	3.9	21	0.90	6.0	2.15
609357	2669407	1.22	< 1	1.0	< 1	0.03	1.64	0.5	< 10	62.4	0.25	0.02	0.36	< 0.01	50.7	3.6	20	0.90	7.2	2.05
609358	2669407	1.00	< 1	< 0.5	< 1	0.04	1.45	0.5	< 10	47.4	0.30	0.07	0.11	0.02	42.2	2.3	18	0.95	5.8	1.36
609359	2669407	0.88	< 1	< 0.5	< 1	0.04	1.98	0.6	< 10	64.4	0.45	0.04	0.37	0.01	52.2	4.1	18	0.90	7.4	2.02
609360	2669407	1.24	< 1	< 0.5	< 1	0.04	1.74	0.6	< 10	100.6	0.35	0.04	0.57	0.01	70.7	5.9	23	1.15	10.2	2.28
609361	2669407	1.06	< 1	< 0.5	< 1	0.14	2.40	0.5	< 10	138.2	0.40	0.07	0.36	0.03	63.5	7.4	33	2.35	11.2	3.29
609362	2669407	1.20	< 1	< 0.5	< 1	< 0.01	1.10	0.5	< 10	57.8	0.20	0.01	0.48	< 0.01	56.7	3.4	16	0.75	5.4	1.57
609363	2669407	0.90	< 1	< 0.5	< 1	0.02	1.34	0.5	< 10	109.4	0.35	0.03	0.48	< 0.01	63.2	5.8	23	1.30	9.8	2.23
609364	2669407	0.78	1	2.0	< 1	0.03	1.97	0.6	< 10	161.6	0.35	0.04	0.43	< 0.01	77.8	7.4	29	1.80	15.4	2.94
609365	2669407	1.32	< 1	0.5	< 1	0.05	2.57	0.5	< 10	185.6	0.50	0.05	0.46	< 0.01	67.4	8.8	37	2.70	15.4	3.08
609366	2669407	1.02	< 1	< 0.5	< 1	0.03	0.84	0.4	< 10	31.4	0.15	< 0.01	0.19	< 0.01	41.8	1.4	8	0.65	3.0	0.86
609367	2669407	1.30	< 1	< 0.5	< 1	0.04	1.50	0.5	< 10	108.0	0.25	0.03	0.42	0.02	50.8	4.7	23	1.55	8.2	2.12
609709	2669407	1.18	< 1	0.5	< 1	< 0.01	1.41	0.5	< 10	24.0	0.20	< 0.01	0.26	< 0.01	43.2	2.1	21	0.30	11.0	1.45
609711	2669407	1.04	< 1	0.5	< 1	< 0.01	1.39	0.5	< 10	19.8	0.20	< 0.01	0.26	< 0.01	43.0	2.7	28	0.30	7.4	2.00
609715	2669407	0.74	< 1	0.5	< 1	0.07	1.06	0.6	< 10	29.0	0.15	0.03	0.10	< 0.01	27.8	2.6	23	0.70	6.8	1.96
609717	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
609718	2669407	0.74	< 1	0.5	< 1	0.03	1.71	0.7	< 10	25.0	0.20	< 0.01	0.20	0.01	41.4	3.3	26	0.45	13.0	1.83
609723	2669407	0.74	< 1	1.5	< 1	0.07	2.21	1.3	< 10	35.4	0.35	0.01	0.25	< 0.01	42.4	2.7	33	0.90	16.2	2.37
609726	2669407	0.72	2	1.5	2	0.01	1.21	0.6	< 10	26.0	0.25	< 0.01	0.30	0.03	43.7	3.5	24	0.35	10.2	2.46
609727	2669407	0.72	< 1	0.5	< 1	0.09	1.86	0.7	< 10	80.8	0.35	0.01	0.12	< 0.01	39.3	4.2	48	1.45	17.2	3.08
609734	2669407	0.80	< 1	0.5	1	0.03	1.40	0.5	< 10	15.6	0.15	0.06	0.12	< 0.01	39.5	2.0	22	0.25	10.6	2.01
609741	2669407	0.76	< 1	< 0.5	< 1	0.10	1.64	0.8	< 10	66.6	0.30	0.01	0.26	< 0.01	44.3	3.8	38	1.25	12.2	2.23
609749	2669407	0.62	< 1	1.0	< 1	0.13	1.95	1.8	< 10	48.2	0.30	0.04	0.18	0.03	42.2	3.5	56	1.20	22.0	2.80
609755	2669407	0.74	< 1	< 0.5	< 1	0.04	1.44	0.5	< 10	21.2	0.25	< 0.01	0.24	< 0.01	42.9	3.4	21	0.40	7.8	1.95
609756	2669407	1.08	< 1	0.5	< 1	< 0.01	1.08	0.5	< 10	22.4	0.15	< 0.01	0.24	< 0.01	43.5	2.4	21	0.35	8.8	1.84
609760	2669407	0.80	< 1	0.5	1	0.02	1.50	0.5	< 10	31.0	0.20	< 0.01	0.24	< 0.01	45.1	4.2	39	0.55	48.2	2.07
609768	2669407	0.72	< 1	0.5	< 1	< 0.01	1.24	0.4	< 10	17.0	0.20	< 0.01	0.22	< 0.01	40.1	2.4	21	0.35	7.2	2.11
609772	2669407	0.76	< 1	0.5	< 1	0.09	1.77	0.8	< 10	28.2	0.20	< 0.01	0.24	0.01	36.4	3.3	23	0.60	57.0	2.46

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number :4-B
 Total ps :5
 Certi. Date: 24-AUG-2001
 Invoice No. : I0122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	
609336	2669407	8.00 < 0.05	0.14	0.01	0.010	0.08	39.2	4.6	0.15	60	0.70 < 0.01	4.90	< 0.2	960	13.8	9.8 < 0.001	0.01				
609337	2669407	3.80 < 0.05	0.08	0.01	0.010	0.10	23.6	7.1	0.25	95	0.35 < 0.01	4.25	< 0.2	1620	7.2	8.5 < 0.001	0.01				
609340	2669407	4.50 < 0.05	0.06 < 0.01	0.005	0.09	30.2	6.1	0.14	50	0.55 < 0.01	4.15	< 0.2	610	11.4	9.5 < 0.001	0.02					
609342	2669407	4.15 < 0.05	0.06 < 0.01	0.005	0.03	17.6	2.9	0.10	45	0.20 < 0.01	3.00	< 0.2	1060	7.6	2.9 < 0.001	0.01					
609343	2669407	5.40 < 0.05	0.08 < 0.01	0.010	0.05	32.6	4.7	0.16	60	0.50 < 0.01	4.00	< 0.2	1630	9.6	5.9 < 0.001	0.01					
609344	2669407	5.30 < 0.05	0.06	0.02	0.015	0.09	25.0	6.7	0.26	100	0.45	0.01	4.55	< 0.2	1190	8.4	7.5 < 0.001	0.03			
609345	2669407	13.55 < 0.05	0.08	0.03	0.020	0.21	16.2	8.2	0.36	120	0.60	0.01	7.90	1.6	610	15.2	19.6 < 0.001	0.04			
609348	2669407	3.00 < 0.05	0.06 < 0.01	0.005	0.12	28.2	11.1	0.20	80	0.60 < 0.01	4.20	< 0.2	1090	7.8	13.4 < 0.001	0.01					
609349	2669407	8.20 < 0.05	0.08 < 0.01	0.020	0.45	30.4	23.2	0.64	210	0.85	0.02	5.55	8.0	1140	10.8	44.0 < 0.001	0.02				
609352	2669407	4.50 < 0.05	0.06	0.01	0.010	0.11	28.2	7.7	0.26	95	0.40 < 0.01	4.05	< 0.2	1670	7.4	9.7 < 0.001	0.02				
609354	2669407	10.40 < 0.05	0.08	0.05	0.025	0.45	36.8	19.3	0.67	220	0.85	0.01	6.55	6.6	990	16.0	42.3 < 0.001	0.04			
609355	2669407	3.40 < 0.05	0.08	0.04	0.005	0.08	32.4	5.8	0.19	75	0.35 < 0.01	4.25	< 0.2	1610	6.2	7.1 < 0.001	0.01				
609356	2669407	5.25 < 0.05	0.06	0.03	0.015	0.16	28.8	9.8	0.36	140	0.40	0.01	4.50	0.2	1600	8.6	13.4 < 0.001	0.01			
609357	2669407	5.95 < 0.05	0.06	0.03	0.015	0.16	24.8	10.2	0.38	130	0.45	0.01	4.60	< 0.2	1200	8.8	14.7 < 0.001	0.01			
609358	2669407	8.05 < 0.05	0.04	0.07	0.015	0.14	19.0	4.7	0.21	70	0.60 < 0.01	5.80	< 0.2	430	18.4	12.2 < 0.001	0.04				
609359	2669407	6.65 < 0.05	0.10	0.03	0.015	0.16	23.4	10.3	0.38	135	0.40	0.01	4.80	0.6	1210	8.8	14.9 < 0.001	0.01			
609360	2669407	5.05 < 0.05	0.10	0.02	0.015	0.31	29.0	14.3	0.47	205	0.50	0.02	5.15	3.2	1610	8.6	25.5 < 0.001	0.01			
609361	2669407	11.95 < 0.05	0.08	0.03	0.020	0.39	28.0	17.9	0.78	225	0.95	0.01	5.95	6.6	1290	15.0	33.6 < 0.001	0.03			
609362	2669407	4.00 < 0.05	0.06 < 0.01	0.010	0.17	27.8	8.3	0.30	120	0.30	0.01	4.20	< 0.2	1630	6.6	14.9 < 0.001	0.01				
609363	2669407	6.25 < 0.05	0.06 < 0.01	0.015	0.30	32.0	13.3	0.56	200	0.30	0.01	3.50	3.2	1620	8.4	26.8 < 0.001	0.01				
609364	2669407	8.55 < 0.05	0.06 < 0.01	0.015	0.44	34.2	17.0	0.72	245	0.45	0.02	4.65	6.8	1310	11.0	38.9 < 0.001	0.02				
609365	2669407	9.60 < 0.05	0.08 < 0.01	0.020	0.56	30.4	27.9	0.80	260	1.10	0.02	5.60	11.6	1310	12.6	55.1 < 0.001	0.02				
609366	2669407	4.05 < 0.05	0.06 < 0.01	0.005	0.09	21.8	6.3	0.15	60	0.70 < 0.01	4.75	< 0.2	640	8.8	9.0 < 0.001	0.01					
609367	2669407	7.00 < 0.05	0.06	0.04	0.015	0.32	27.6	12.4	0.48	160	0.45	0.02	4.65	3.6	1090	8.8	29.4 < 0.001	0.03			
609709	2669407	3.00 < 0.05	0.02	0.07	0.005	0.05	18.4	4.1	0.18	50	0.20 < 0.01	2.55	1.2	950	4.8	4.2 < 0.001	0.02				
609711	2669407	3.60 < 0.05	0.06	0.04	0.005	0.03	16.8	4.5	0.21	75	0.25 < 0.01	2.90	1.8	1030	4.8	2.5 < 0.001	0.01				
609715	2669407	10.25 < 0.05	0.06	0.04	0.015	0.08	12.2	5.3	0.31	85	1.00 < 0.01	6.70	0.8	260	10.4	6.6 < 0.001	0.01				
609717	---	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
609718	2669407	4.15 < 0.05	0.06	0.04	0.005	0.04	16.0	5.4	0.24	70	0.35	0.01	3.30	4.8	840	7.4	4.2 < 0.001	0.01			
609723	2669407	5.60 < 0.05	0.10	0.08	0.015	0.10	21.2	7.6	0.25	85	0.85 < 0.01	4.90	2.0	1170	12.2	9.1 < 0.001	0.03				
609726	2669407	5.10 < 0.05	0.06	0.05	0.005	0.05	22.6	4.0	0.24	75	0.75 < 0.01	3.05	2.6	1590	8.6	4.1 < 0.001	0.01				
609727	2669407	7.15 < 0.05	0.06	0.06	0.015	0.29	16.6	13.1	0.51	125	1.20 < 0.01	5.85	7.6	680	8.8	21.7 < 0.001	0.02				
609734	2669407	6.85 < 0.05	0.06	0.05	0.005	0.03	17.2	2.9	0.18	50	0.45 < 0.01	3.45	< 0.2	490	7.0	2.6 < 0.001	0.01				
609741	2669407	4.90 < 0.05	0.08	0.05	0.015	0.26	22.0	10.9	0.43	115	0.85	0.01	5.05	5.4	1190	9.0	20.0 < 0.001	0.01			
609749	2669407	8.65 < 0.05	0.08	0.07	0.020	0.14	23.4	9.0	0.46	100	1.35 < 0.01	5.70	5.6	840	22.4	11.0 < 0.001	0.03				
609755	2669407	4.00 < 0.05	0.06	0.04	0.010	0.05	17.0	5.9	0.24	95	0.30	0.01	3.45	2.6	1090	6.2	4.7 < 0.001	0.01			
609756	2669407	4.15 < 0.05	0.02	0.01	0.005	0.05	23.6	3.5	0.21	60	0.95 < 0.01	2.75	0.2	1000	7.6	4.6 < 0.001	0.01				
609760	2669407	4.25 < 0.05	0.06 < 0.01	0.010	0.09	17.6	8.8	0.36	90	0.45	0.01	3.30	10.2	920	6.2	7.1 < 0.001	0.01				
609768	2669407	4.55 < 0.05	0.06 < 0.01	0.005	0.05	20.4	4.6	0.22	60	1.15	0.01	3.15	< 0.2	860	5.8	3.9 < 0.001	0.01				
609772	2669407	3.65 < 0.05	0.08	0.02	0.015	0.07	18.2	5.7	0.27	80	0.55	0.01	3.70	2.4	950	5.8	7.4 < 0.001	0.01			

CERTIFICATION:



ALS Chemex

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 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 4-C
 Total P : 5
 Certific. Date: 24-AUG-2001
 Invoice No. : 10122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609336	2669407	< 0.05	1.5	0.2	0.6	4.6	0.06	0.01	19.0	0.14	0.04	1.45	42	0.05	8.10	16	3.0
609337	2669407	< 0.05	1.1	< 0.2	0.6	15.6	0.04	< 0.01	5.2	0.12	0.06	0.90	30	0.25	6.65	20	1.5
609340	2669407	< 0.05	0.7	< 0.2	0.8	7.6	0.01	< 0.01	3.2	0.11	0.06	2.60	15	< 0.05	5.50	16	1.5
609342	2669407	< 0.05	1.0	< 0.2	0.4	5.4	0.03	< 0.01	5.0	0.07	< 0.02	0.50	27	< 0.05	4.90	10	1.0
609343	2669407	< 0.05	1.3	0.2	0.4	5.6	0.04	0.01	14.4	0.10	0.02	1.15	38	0.20	8.05	16	2.0
609344	2669407	< 0.05	1.2	0.2	0.6	15.8	0.01	0.01	3.8	0.13	0.06	1.10	30	0.15	5.75	18	1.0
609345	2669407	< 0.05	2.3	0.2	1.4	12.6	0.01	< 0.01	4.6	0.23	0.12	1.00	41	0.05	3.80	26	2.0
609348	2669407	< 0.05	1.2	< 0.2	0.6	8.0	0.02	< 0.01	6.4	0.09	0.10	2.35	18	0.05	7.00	20	1.5
609349	2669407	< 0.05	3.1	< 0.2	1.0	18.0	< 0.01	< 0.01	7.8	0.21	0.28	1.50	45	0.10	7.35	60	2.5
609352	2669407	< 0.05	1.5	0.2	0.6	15.6	0.03	0.01	5.0	0.11	0.06	1.05	34	0.25	8.70	18	1.5
609354	2669407	< 0.05	2.8	0.2	1.2	18.8	0.01	0.01	5.2	0.24	0.24	1.85	52	0.15	6.80	60	2.0
609355	2669407	< 0.05	1.4	< 0.2	0.4	16.6	0.05	< 0.01	4.2	0.10	0.06	1.10	27	0.15	8.50	14	1.5
609356	2669407	< 0.05	2.2	< 0.2	0.6	17.2	0.02	0.01	4.8	0.16	0.08	0.90	40	0.10	7.65	32	2.0
609357	2669407	< 0.05	2.1	0.2	0.8	15.0	0.01	< 0.01	4.4	0.18	0.12	0.95	38	0.15	6.20	30	2.0
609358	2669407	0.20	0.9	< 0.2	1.2	9.8	0.01	< 0.01	1.8	0.17	0.06	1.10	29	0.15	3.50	18	1.0
609359	2669407	< 0.05	2.2	0.2	0.8	14.8	0.02	0.01	4.4	0.18	0.10	0.75	39	0.10	6.35	26	2.0
609360	2669407	< 0.05	2.5	< 0.2	0.8	22.6	0.01	0.01	6.2	0.16	0.16	1.35	39	0.15	9.05	38	2.5
609361	2669407	< 0.05	3.0	< 0.2	1.2	18.0	< 0.01	0.01	5.4	0.28	0.22	0.95	65	0.20	5.70	66	2.5
609362	2669407	< 0.05	1.4	< 0.2	0.6	17.2	0.01	< 0.01	3.8	0.12	0.08	0.90	29	0.25	7.65	22	1.5
609363	2669407	< 0.05	2.2	< 0.2	0.8	19.2	< 0.01	0.01	3.6	0.17	0.18	1.10	44	0.50	7.60	42	1.5
609364	2669407	< 0.05	2.9	< 0.2	1.0	23.6	< 0.01	< 0.01	6.4	0.23	0.22	1.35	55	0.40	7.30	60	2.0
609365	2669407	< 0.05	3.7	< 0.2	1.2	21.6	< 0.01	< 0.01	9.2	0.24	0.38	1.65	53	0.15	7.55	74	2.5
609366	2669407	< 0.05	0.9	< 0.2	0.8	7.0	0.02	0.01	5.2	0.11	0.06	1.85	17	0.05	5.35	14	1.5
609367	2669407	< 0.05	2.2	< 0.2	0.8	19.2	< 0.01	< 0.01	4.8	0.18	0.18	1.05	37	0.10	6.50	40	1.5
609709	2669407	< 0.05	1.1	< 0.2	0.4	8.0	0.03	< 0.01	2.8	0.07	0.02	0.65	24	0.70	5.70	12	0.5
609711	2669407	< 0.05	1.5	< 0.2	0.4	8.0	0.03	0.01	4.0	0.08	< 0.02	0.55	35	< 0.05	5.25	14	1.0
609715	2669407	< 0.05	2.0	0.2	1.0	5.0	0.02	0.01	4.6	0.22	0.04	0.80	49	0.05	2.75	18	2.0
609717	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
609718	2669407	< 0.05	1.4	0.2	0.6	6.6	0.03	0.01	3.8	0.10	0.02	0.65	34	< 0.05	4.40	16	1.0
609723	2669407	< 0.05	1.7	0.2	0.6	6.8	0.07	0.01	5.4	0.13	0.06	1.30	43	0.10	6.35	20	1.5
609726	2669407	< 0.05	1.2	0.2	0.6	8.6	0.04	0.03	5.2	0.09	< 0.02	0.75	50	0.05	6.50	12	1.0
609727	2669407	< 0.05	3.1	0.2	0.6	4.8	0.02	0.01	5.4	0.19	0.14	0.75	57	0.05	3.35	42	1.5
609734	2669407	< 0.05	1.4	< 0.2	0.6	4.2	0.04	< 0.01	4.4	0.13	< 0.02	0.55	50	0.20	3.30	12	1.5
609741	2669407	< 0.05	2.5	0.2	0.6	7.4	0.04	0.01	5.8	0.14	0.12	3.75	41	0.05	5.55	30	2.0
609749	2669407	< 0.05	2.6	0.2	0.8	6.0	0.03	0.03	5.8	0.18	0.08	1.40	52	0.05	5.55	28	1.5
609755	2669407	< 0.05	1.4	< 0.2	0.6	7.8	0.04	< 0.01	4.0	0.10	< 0.02	0.50	35	0.05	4.45	18	1.5
609756	2669407	< 0.05	1.2	< 0.2	0.6	7.2	0.03	0.01	3.6	0.09	< 0.02	0.75	38	< 0.05	5.40	10	0.5
609760	2669407	< 0.05	2.4	< 0.2	0.6	8.0	0.03	< 0.01	3.8	0.11	0.04	0.60	37	0.05	4.90	22	1.0
609768	2669407	< 0.05	1.4	0.2	0.6	6.8	0.03	< 0.01	3.8	0.09	< 0.02	0.65	41	0.05	5.10	12	1.0
609772	2669407	< 0.05	1.9	< 0.2	0.4	8.0	0.02	< 0.01	4.8	0.10	0.06	0.70	33	0.05	4.75	18	1.5

CERTIFICATION: 



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.
 8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 5-A
 Total Pages : 5
 Certificate Date: 24-AUG-2001
 Invoice No. : I0122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ca	Co	Cr	Cs	Cu	Fe
		Kg	ICP-MS	ICP-MS	ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
609792	2669407	0.82	< 1	< 0.5	< 1	0.03	1.28	0.7	< 10	42.0	0.25	< 0.01	0.34	< 0.01	45.4	3.8	28	0.45	20.2	1.71
609798	2669407	0.90	40	0.5	1	< 0.01	1.64	0.6	< 10	18.2	0.20	< 0.01	0.21	< 0.01	41.1	3.5	22	0.30	13.0	2.04
309322	2669407	0.96	< 1	0.5	< 1	0.04	2.28	0.6	< 10	70.2	0.35	0.02	0.50	< 0.01	72.6	4.2	23	0.95	8.2	2.37
609341	2669407	1.22	< 1	1.0	< 1	0.01	1.15	0.6	< 10	54.8	0.25	0.02	0.53	< 0.01	64.6	3.2	15	0.65	6.6	1.51
606857	2669407	0.96	< 1	0.5	< 1	< 0.01	1.08	0.8	< 10	20.2	0.30	< 0.01	0.19	< 0.01	39.2	2.5	18	0.35	8.6	1.55

CERTIFICATION:



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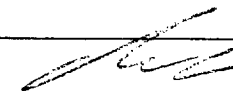
To: WESTERN MINING CORP.
 8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

Page Number : 5-B
 Total : 5
 Certificate Date: 24-AUG-2001
 Invoice No. : IO122395
 P.O. Number :
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122395

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
609792	2669407	3.15	< 0.05	0.10	0.02	0.005	0.11	23.2	6.7	0.30	95	0.40	0.01	3.25	6.6	1110	6.4	8.7	< 0.001	< 0.01
609798	2669407	3.95	< 0.05	0.06	0.02	0.005	0.04	19.4	5.6	0.23	65	0.30	< 0.01	2.95	2.6	790	5.6	3.4	< 0.001	0.01
309322	2669407	5.40	< 0.05	0.10	0.02	0.020	0.19	35.6	10.1	0.40	145	0.40	0.01	4.65	1.0	1830	8.8	16.8	< 0.001	0.02
609341	2669407	3.45	< 0.05	0.08	< 0.01	0.005	0.16	33.0	7.5	0.28	120	0.30	0.01	4.45	< 0.2	1620	6.6	13.2	< 0.001	0.01
606857	2669407	3.50	< 0.05	0.06	< 0.01	0.005	0.04	19.8	4.4	0.16	50	0.25	0.01	3.15	0.2	710	6.6	3.5	< 0.001	0.01

CERTIFICATION: 



ALS Chemex

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
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8008 E. ARAPAHOE COURT, STE. 110
ENGLEWOOD, COLORADO
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Page Number : 5-C
Total : 5
Certificate Date: 24-AUG-2001
Invoice No. : 10122395
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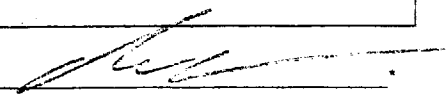
Project : QU7

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CERTIFICATE OF ANALYSIS

A0122395

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
609792	2669407	< 0.05	1.8	0.2	0.4	10.2	0.01	< 0.01	4.6	0.09	0.06	0.80	29	0.10	6.70	24	2.0
609798	2669407	< 0.05	1.4	< 0.2	0.4	6.4	0.03	< 0.01	5.2	0.09	< 0.02	0.55	36	0.05	4.80	16	1.5
309322	2669407	< 0.05	2.5	0.2	0.6	17.2	0.03	< 0.01	6.6	0.16	0.14	0.95	43	0.15	9.05	30	2.0
609341	2669407	< 0.05	1.6	< 0.2	0.6	20.2	0.01	< 0.01	5.4	0.12	0.08	1.05	27	0.50	8.30	22	2.0
606857	2669407	< 0.05	1.1	< 0.2	0.2	5.2	0.02	< 0.01	5.6	0.08	< 0.02	0.70	28	< 0.05	5.35	12	1.0

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112, USA

A0122462

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE

A0122462

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 29-AUG-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
SCR-41a	197	-63 micron screen - Save Minus
SCR-01	197	Screen - Save Plus Charge
LOG-22	197	Samples received without barcode

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
S-MS41	197	S %: ICP + ICP-MS package	ICP	0.01	10.00
Sb-MS41	197	Sb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Sc-MS41	197	Sc ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
Se-MS41	197	Se ppm: ICP + ICP-MS package	ICP-MS	0.2	1000
Sn-MS41	197	Sn ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Sr-MS41	197	Sr ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
Ta-MS41	197	Ta ppm: ICP + ICP-MS package	ICP-MS	0.01	500.0
Te-MS41	197	Te ppm: ICP + ICP-MS package	ICP-MS	0.01	500
Th-MS41	197	Th ppm: ICP + ICP-MS package	ICP-MS	0.2	500
Ti-MS41	197	Ti %: ICP + ICP-MS package	ICP	0.01	10.00
Tl-MS41	197	Tl ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	10000
U-MS41	197	U ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
V-MS41	197	V ppm: ICP + ICP-MS package	ICP	1	10000
W-MS41	197	W ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
Y-MS41	197	Y ppm: ICP + ICP-MS package	ICP-MS	0.05	500.0
Zn-MS41	197	Zn ppm: ICP + ICP-MS package	ICP	2	10000
Zr-MS41	197	Zr ppm: ICP + ICP-MS package	ICP-MS	0.5	500



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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
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Page Number: 1-A
 Total Pages: 5
 Certificate Date: 24-AUG-2001
 Invoice No.: 10122462
 P.O. Number:
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
600201	94059407	0.60	3	0.5	1	0.39	2.73	1.2	< 10	71.6	0.35	0.03	0.14	0.04	27.9	3.7	58	1.10	31.8	3.69
600202	94059407	0.86	1	0.5	< 1	0.30	2.38	0.5	< 10	65.6	0.60	0.08	0.15	0.08	41.8	4.5	65	1.75	31.2	4.45
600203	94059407	0.66	< 1	< 0.5	< 1	0.17	1.87	0.3	< 10	29.6	0.40	0.03	0.20	0.05	39.5	3.6	28	1.05	13.2	2.28
600204	94059407	1.12	1	1.5	2	0.21	1.44	0.3	< 10	85.4	0.25	0.08	0.34	0.06	52.2	7.2	47	0.75	23.6	2.73
600205	94059407	1.24	< 1	< 0.5	< 1	0.07	1.06	0.1	< 10	38.6	0.30	0.01	0.43	0.02	47.5	3.4	22	0.45	12.0	1.37
600206	94059407	1.08	< 1	< 0.5	< 1	0.05	0.72	< 0.1	< 10	12.6	0.15	0.01	0.16	0.01	55.1	1.1	8	0.35	8.2	0.82
600207	94059407	0.94	< 1	0.5	< 1	0.08	0.96	< 0.1	< 10	123.8	0.15	0.04	0.50	0.03	44.9	6.3	50	1.00	15.4	1.70
600208	94059407	0.76	< 1	1.0	< 1	0.22	1.94	1.1	< 10	75.2	0.45	0.05	0.26	0.05	51.5	6.8	60	1.90	29.4	3.10
600209	94059407	0.82	7	4.5	10	1.13	2.75	1.1	< 10	320.8	0.25	0.41	0.06	0.13	27.5	5.6	105	1.60	111.0	11.10
600210	94059407	0.92	< 1	6.5	< 1	0.11	1.21	0.2	< 10	12.8	0.30	0.01	0.16	0.01	48.3	1.8	11	0.30	4.8	1.45
600211	94059407	0.72	1	0.5	< 1	0.31	2.63	0.4	< 10	29.0	0.55	0.02	0.29	0.05	48.7	3.4	24	0.70	10.6	2.11
600212	94059407	0.94	< 1	< 0.5	< 1	0.09	1.11	0.1	< 10	8.6	0.20	0.01	0.19	0.01	38.6	1.0	9	0.20	3.4	0.94
600213	94059407	0.80	< 1	0.5	< 1	0.42	2.42	0.2	< 10	36.2	0.55	0.01	0.28	0.06	52.3	5.3	25	1.10	15.8	3.02
600214	94059407	1.06	< 1	< 0.5	< 1	0.03	0.58	0.1	< 10	37.8	0.05	0.01	0.39	0.01	43.1	1.8	14	0.30	6.2	0.77
600215	94059407	0.76	< 1	0.5	< 1	0.09	1.68	0.1	< 10	45.8	0.35	0.02	0.25	0.04	42.5	7.0	38	0.65	16.0	2.33
600216	94059407	1.14	< 1	0.5	1	0.21	1.70	0.5	< 10	90.4	0.25	0.05	0.21	0.06	40.0	6.5	51	1.40	22.8	3.06
600217	94059407	1.08	< 1	< 0.5	< 1	0.06	0.70	0.1	< 10	16.0	0.20	< 0.01	0.28	0.01	56.1	1.3	10	0.30	4.8	0.88
600218	94059407	0.62	< 1	0.5	< 1	0.24	1.61	0.6	< 10	49.0	0.30	0.08	0.21	0.05	36.6	3.4	28	1.05	18.8	2.67
600219	94059407	0.76	< 1	10.5	< 1	0.46	3.26	0.3	< 10	83.8	0.75	0.07	0.19	0.04	38.0	4.6	62	2.30	20.8	3.74
600220	94059407	0.92	1	1.5	< 1	0.14	1.62	0.3	< 10	61.6	0.35	0.10	0.34	0.05	31.5	5.4	47	1.05	30.6	3.56
600221	94059407	0.84	1	3.5	< 1	0.11	1.86	0.5	< 10	48.8	0.55	0.01	0.24	0.05	59.7	4.8	23	0.95	18.8	2.50
600222	94059407	0.90	1	1.5	< 1	0.11	3.65	0.6	< 10	24.0	0.65	0.02	0.07	0.03	25.1	28.8	1745	1.10	14.4	4.73
600223	94059407	0.68	2	1.0	< 1	0.17	1.30	0.3	< 10	25.4	0.30	0.08	0.12	0.05	46.6	3.8	41	0.80	13.8	2.44
600224	94059407	0.92	< 1	0.5	< 1	0.13	2.60	0.3	< 10	24.8	0.60	0.03	0.22	0.04	58.6	3.0	34	0.55	13.0	2.16
600225	94059407	1.06	< 1	0.5	< 1	0.15	1.58	0.3	< 10	44.8	0.35	0.05	0.11	0.03	45.5	4.3	27	1.20	12.0	1.98
600226	94059407	0.80	< 1	0.5	< 1	0.21	1.63	0.2	< 10	26.4	0.25	0.05	0.12	0.04	33.2	3.0	29	0.70	11.2	2.52
600227	94059407	0.82	1	9.5	7	0.15	1.60	2.6	< 10	49.8	0.05	0.19	0.06	0.04	6.44	39.3	530	1.00	63.0	3.76
600228	94059407	0.76	< 1	0.5	< 1	0.25	1.88	0.2	< 10	40.6	0.60	0.01	0.28	0.05	60.5	4.6	31	1.05	13.0	2.80
600229	94059407	0.88	< 1	< 0.5	< 1	0.14	1.53	0.3	< 10	11.2	0.30	0.01	0.08	0.04	41.5	1.1	14	0.35	6.0	1.55
600230	94059407	0.96	2	< 0.5	< 1	0.10	1.24	1.1	< 10	19.0	0.25	0.02	0.10	0.01	32.3	3.1	26	0.70	8.2	2.90
600231	94059407	0.70	< 1	< 0.5	< 1	0.19	1.76	0.1	< 10	25.2	0.35	0.03	0.18	0.03	38.8	3.4	27	0.90	11.8	2.24
600232	94059407	0.84	1	0.5	1	0.14	2.62	0.5	< 10	72.8	0.45	0.05	0.17	0.11	57.5	10.6	72	1.35	35.4	4.24
600233	94059407	1.02	< 1	0.5	1	0.11	2.32	0.3	< 10	212.6	0.40	0.03	0.40	0.07	71.8	8.7	57	1.30	46.4	3.23
600234	94059407	1.32	1	0.5	< 1	0.09	1.10	0.4	< 10	121.2	0.25	0.02	0.43	0.01	54.9	10.6	51	0.80	19.6	3.34
600235	94059407	0.68	1	0.5	< 1	0.33	2.20	0.1	< 10	41.2	0.55	0.02	0.21	0.06	50.3	4.4	31	1.15	12.8	3.34
600236	94059407	0.70	< 1	0.5	1	0.30	2.98	0.5	< 10	38.6	0.60	0.03	0.21	0.04	44.9	4.2	70	1.00	16.6	2.58
600237	94059407	0.88	< 1	0.5	1	0.15	1.53	0.9	< 10	33.4	0.35	0.04	0.13	0.06	42.5	3.9	43	1.15	18.0	2.50
600238	94059407	0.96	< 1	< 0.5	< 1	0.08	0.91	0.2	< 10	13.6	0.20	0.01	0.21	0.01	53.6	1.6	12	0.25	7.0	1.08
600239	94059407	1.00	< 1	< 0.5	< 1	0.10	1.32	0.3	< 10	13.2	0.30	< 0.01	0.18	0.01	34.0	1.5	14	0.20	5.8	1.65
600240	94059407	1.16	< 1	< 0.5	< 1	0.06	1.19	0.1	< 10	15.2	0.25	< 0.01	0.24	0.03	53.7	1.8	13	0.15	8.4	1.56

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 Total Pages: 5
 Certificate Date: 24-AUG-2001
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Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS	A0122462
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SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
600201	94059407	5.95	0.10	0.10	0.05	0.030	0.23	15.0	12.1	0.36	90	1.35	< 0.01	5.40	10.4	900	11.8	18.0	< 0.001	0.05
600202	94059407	7.85	0.10	0.06	0.06	0.030	0.17	20.6	20.2	0.55	145	5.10	0.01	5.40	13.8	1050	15.4	16.1	< 0.001	0.06
600203	94059407	5.40	0.05	0.10	0.03	0.010	0.12	18.8	8.8	0.31	90	0.85	0.01	5.30	8.8	980	8.6	11.0	< 0.001	0.02
600204	94059407	5.35	0.10	0.10	0.01	0.025	0.23	25.6	13.7	0.58	130	6.65	0.01	8.80	17.8	1000	7.0	17.5	< 0.001	0.09
600205	94059407	2.95	0.05	0.08	0.01	0.005	0.14	22.8	6.2	0.28	85	0.50	0.01	3.10	8.2	1610	4.4	10.0	< 0.001	0.01
600206	94059407	2.85	< 0.05	0.06	< 0.01	0.005	0.04	28.6	3.0	0.09	35	0.40	< 0.01	2.60	2.8	610	20.8	4.4	< 0.001	0.01
600207	94059407	4.80	0.10	0.06	< 0.01	0.010	0.28	24.0	7.9	0.66	135	1.10	0.01	3.00	20.4	1450	3.6	22.7	< 0.001	0.01
600208	94059407	8.25	0.10	0.08	0.03	0.025	0.35	26.6	17.0	0.70	165	1.80	0.01	6.20	19.6	910	11.2	28.2	< 0.001	0.01
600209	94059407	11.80	0.30	0.10	0.05	0.065	0.79	13.6	14.4	0.93	210	38.30	0.01	6.90	14.6	920	19.4	31.1	0.001	0.58
600210	94059407	3.35	< 0.05	0.06	0.01	0.015	0.03	23.4	3.7	0.12	50	0.50	0.01	3.20	3.6	720	7.6	3.4	< 0.001	0.01
600211	94059407	4.75	0.05	0.10	0.05	0.020	0.10	22.2	7.7	0.23	100	0.70	< 0.01	4.45	7.6	1240	8.6	10.0	< 0.001	0.03
600212	94059407	2.40	0.05	0.08	0.02	0.005	0.02	19.2	2.3	0.07	30	0.30	< 0.01	2.90	2.2	820	5.6	2.1	< 0.001	0.01
600213	94059407	6.40	0.05	0.06	0.04	0.025	0.15	25.6	13.2	0.43	175	0.75	0.01	4.95	9.4	1150	11.4	16.2	< 0.001	0.02
600214	94059407	2.20	0.05	0.04	< 0.01	0.005	0.10	21.6	3.7	0.17	55	0.20	0.01	1.95	5.2	1450	3.8	7.9	< 0.001	0.01
600215	94059407	5.50	0.05	0.08	0.02	0.015	0.09	20.4	13.2	0.48	115	0.95	0.01	4.40	16.0	770	5.6	7.6	< 0.001	0.01
600216	94059407	9.95	0.05	0.08	0.02	0.020	0.25	21.0	10.7	0.65	125	2.05	0.01	5.20	18.8	570	7.2	20.8	< 0.001	0.03
600217	94059407	2.25	0.05	0.08	0.01	< 0.005	0.06	28.4	3.0	0.11	50	0.35	0.01	2.95	3.4	1050	5.2	5.8	< 0.001	0.01
600218	94059407	6.95	0.05	0.06	0.07	0.015	0.12	19.2	7.1	0.27	100	1.80	0.01	6.50	9.4	1040	11.0	10.8	< 0.001	0.05
600219	94059407	8.90	0.05	0.10	0.06	0.030	0.22	19.4	20.4	0.58	155	3.05	0.01	7.00	12.0	1010	12.2	18.4	< 0.001	0.06
600220	94059407	8.65	0.05	0.06	0.03	0.020	0.13	16.2	7.9	0.37	95	2.35	0.01	4.45	14.4	1010	7.2	11.6	< 0.001	0.03
600221	94059407	5.15	0.05	0.06	0.03	0.020	0.24	26.0	13.2	0.38	140	1.45	0.01	4.45	12.2	1270	10.4	22.5	< 0.001	0.01
600222	94059407	13.15	0.10	0.10	0.03	0.020	0.05	13.4	34.2	3.13	135	0.90	< 0.01	4.05	586.6	450	10.6	6.6	< 0.001	0.01
600223	94059407	12.75	0.05	0.12	0.03	0.015	0.07	19.4	9.7	0.43	115	2.35	0.01	6.35	9.2	280	11.6	7.5	< 0.001	0.01
600224	94059407	5.90	0.05	0.12	0.04	0.020	0.05	33.8	8.2	0.24	80	0.90	< 0.01	5.35	6.8	1010	8.4	5.2	< 0.001	0.03
600225	94059407	7.45	0.05	0.08	0.02	0.015	0.14	24.0	8.0	0.38	105	1.20	0.01	4.90	8.6	430	8.8	13.1	< 0.001	0.04
600226	94059407	9.45	< 0.05	0.08	0.06	0.015	0.07	16.6	7.2	0.30	95	1.25	0.01	6.75	6.6	400	10.0	6.4	< 0.001	0.02
600227	94059407	9.80	0.05	0.02	0.03	0.010	0.14	3.4	7.6	2.56	165	2.55	0.01	3.50	583.6	330	10.4	9.4	< 0.001	0.03
600228	94059407	6.80	0.05	0.06	0.03	0.020	0.13	28.2	12.4	0.40	170	0.90	0.01	4.80	10.8	1450	11.8	14.5	< 0.001	0.01
600229	94059407	5.85	< 0.05	0.08	0.02	0.010	0.02	21.6	2.5	0.08	35	0.65	< 0.01	3.75	2.8	460	9.2	2.6	< 0.001	0.01
600230	94059407	6.20	0.05	0.08	0.02	0.015	0.06	16.8	6.7	0.27	105	0.65	0.01	4.30	6.6	580	7.6	6.8	< 0.001	0.01
600231	94059407	5.40	0.05	0.08	0.03	0.015	0.09	17.2	7.8	0.26	90	0.85	0.01	5.10	8.2	960	8.6	9.3	< 0.001	0.02
600232	94059407	10.10	0.05	0.10	0.04	0.025	0.12	23.8	17.5	0.60	140	1.85	0.01	5.20	28.2	870	10.0	15.6	< 0.001	0.02
600233	94059407	6.95	0.15	0.08	0.03	0.025	0.53	35.8	15.2	0.80	215	2.10	0.01	4.85	23.2	1510	8.4	33.1	< 0.001	0.02
600234	94059407	4.65	0.15	0.06	0.01	0.010	0.28	28.8	10.9	0.69	235	0.95	0.01	3.35	27.2	1510	4.6	23.4	< 0.001	0.01
600235	94059407	8.55	0.05	0.08	0.04	0.030	0.12	23.6	11.2	0.38	165	1.25	0.01	5.85	9.0	1140	10.8	14.4	< 0.001	0.02
600236	94059407	5.95	0.05	0.14	0.10	0.025	0.11	22.4	9.5	0.30	100	1.10	< 0.01	5.25	12.6	1230	10.8	11.0	< 0.001	0.04
600237	94059407	6.50	0.05	0.06	0.04	0.020	0.09	21.8	9.4	0.30	95	1.05	0.01	4.25	9.8	560	13.2	11.1	< 0.001	0.03
600238	94059407	2.80	0.05	0.08	< 0.01	0.010	0.04	26.8	3.1	0.10	45	0.40	0.01	3.10	4.0	850	6.6	4.3	< 0.001	0.01
600239	94059407	4.20	0.05	0.06	0.03	0.005	0.01	17.2	2.2	0.09	45	0.25	< 0.01	2.55	3.8	880	5.6	2.1	< 0.001	0.01
600240	94059407	2.50	0.05	0.06	0.01	0.005	0.03	27.4	2.4	0.10	45	0.40	< 0.01	2.55	4.4	970	4.8	2.6	< 0.001	0.01

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Page Nurr : 1-C
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CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
600201	94059407	< 0.05	4.9	1.0	0.8	5.0	0.06	0.02	4.6	0.16	0.18	0.80	48	0.20	3.85	30	2.0
600202	94059407	< 0.05	3.5	0.6	1.0	6.4	0.04	0.04	7.0	0.20	0.14	1.30	71	0.25	4.10	46	1.5
600203	94059407	< 0.05	2.9	0.6	0.8	6.2	0.04	0.03	5.0	0.14	0.08	0.95	37	0.25	5.25	24	2.0
600204	94059407	< 0.05	3.5	1.2	0.8	15.2	0.03	0.04	8.4	0.20	0.14	1.10	74	0.40	6.10	36	2.0
600205	94059407	< 0.05	2.0	0.2	0.4	12.6	0.02	< 0.01	3.6	0.09	0.06	0.80	26	0.50	7.40	20	1.0
600206	94059407	< 0.05	1.1	0.2	0.6	4.8	0.02	< 0.01	3.0	0.07	0.04	1.05	16	0.05	5.50	12	0.5
600207	94059407	< 0.05	2.7	< 0.2	0.8	20.4	< 0.01	< 0.01	3.8	0.15	0.14	0.85	38	0.20	6.80	34	1.0
600208	94059407	0.15	4.4	0.6	1.0	7.0	0.01	0.01	6.2	0.22	0.24	1.45	61	0.20	6.40	42	1.5
600209	94059407	0.05	7.7	6.4	1.0	4.0	0.04	0.32	23.6	0.45	0.30	1.05	224	0.30	2.70	68	3.0
600210	94059407	< 0.05	1.7	0.4	0.6	5.2	0.03	0.03	6.0	0.08	0.02	0.75	24	0.10	5.25	10	1.0
600211	94059407	< 0.05	3.1	0.6	1.0	9.0	0.07	0.02	5.8	0.10	0.08	0.95	29	0.20	6.85	24	1.5
600212	94059407	< 0.05	1.7	0.2	0.4	4.8	0.05	0.01	5.8	0.05	< 0.02	0.80	17	0.05	5.65	6	1.5
600213	94059407	< 0.05	3.8	0.4	0.8	15.2	0.05	0.02	5.2	0.14	0.14	0.85	42	0.10	6.15	44	1.0
600214	94059407	< 0.05	1.2	0.2	0.8	13.6	0.01	0.01	1.2	0.07	0.06	0.65	12	0.15	6.80	12	0.5
600215	94059407	< 0.05	3.2	0.2	0.8	10.6	0.03	0.01	4.6	0.16	0.08	0.70	43	0.15	5.20	36	1.5
600216	94059407	< 0.05	3.7	0.4	1.6	11.0	0.01	0.02	4.0	0.24	0.18	1.10	69	0.20	4.35	38	1.5
600217	94059407	< 0.05	1.4	0.2	0.6	6.6	0.01	< 0.01	6.0	0.06	0.06	1.00	16	0.05	8.00	12	1.5
600218	94059407	< 0.05	2.9	0.6	1.2	7.8	0.05	0.04	5.4	0.20	0.10	1.15	64	0.20	5.05	28	1.5
600219	94059407	< 0.05	4.8	0.8	1.0	9.2	0.05	0.04	9.2	0.19	0.16	1.25	59	0.45	5.55	40	2.5
600220	94059407	< 0.05	3.6	0.2	1.0	15.0	0.04	0.02	4.4	0.24	0.06	0.85	87	0.55	5.20	20	1.5
600221	94059407	< 0.05	3.5	0.6	0.8	7.2	0.03	0.01	5.8	0.12	0.16	1.40	39	0.15	6.50	42	1.5
600222	94059407	< 0.05	3.4	0.6	1.2	4.2	< 0.01	< 0.01	5.4	0.20	0.08	0.50	64	0.05	2.65	72	2.0
600223	94059407	< 0.05	2.6	0.2	1.4	6.8	< 0.01	0.01	4.8	0.23	0.08	1.55	58	0.20	4.25	22	3.0
600224	94059407	< 0.05	3.3	0.8	0.8	7.6	0.11	< 0.01	6.8	0.12	0.06	1.70	36	0.25	7.50	18	2.0
600225	94059407	< 0.05	2.1	0.4	1.2	9.0	0.02	0.02	3.4	0.14	0.10	1.95	38	0.25	4.40	24	2.0
600226	94059407	< 0.05	3.2	0.6	1.0	6.2	0.05	0.01	5.8	0.20	0.08	1.05	49	0.25	3.70	20	2.0
600227	94059407	< 0.05	3.5	0.6	1.0	2.4	< 0.01	0.23	8.6	0.22	0.12	0.50	90	0.10	1.10	38	0.5
600228	94059407	< 0.05	3.6	0.4	0.8	10.6	0.04	0.01	6.4	0.13	0.14	1.15	47	0.10	6.65	38	1.0
600229	94059407	< 0.05	2.2	0.6	0.8	4.0	0.05	0.02	6.8	0.08	0.02	1.00	28	0.10	4.05	6	1.5
600230	94059407	< 0.05	2.7	0.2	0.6	3.8	0.04	0.01	6.2	0.12	0.06	0.55	50	0.10	3.45	18	2.0
600231	94059407	< 0.05	2.8	0.4	0.8	6.2	0.06	< 0.01	5.4	0.13	0.06	1.00	36	0.20	4.95	22	1.5
600232	94059407	< 0.05	4.8	0.4	1.2	9.0	0.03	0.03	7.8	0.21	0.14	1.00	79	0.25	5.85	50	2.0
600233	94059407	< 0.05	5.8	1.0	0.8	12.0	0.03	0.02	8.2	0.21	0.24	1.60	60	0.20	9.65	68	2.0
600234	94059407	< 0.05	3.3	< 0.2	0.8	16.4	0.01	< 0.01	6.8	0.14	0.16	0.80	47	0.20	7.45	40	2.0
600235	94059407	< 0.05	4.2	0.6	1.0	8.4	0.04	0.02	6.4	0.16	0.14	0.90	55	0.10	5.80	46	1.5
600236	94059407	< 0.05	4.5	0.8	0.8	6.8	0.07	0.03	7.2	0.12	0.12	1.50	38	0.20	6.75	26	2.0
600237	94059407	< 0.05	2.7	0.6	0.8	5.2	0.02	0.03	4.8	0.13	0.12	2.05	43	0.10	4.55	22	1.5
600238	94059407	< 0.05	1.8	0.4	0.4	5.8	0.04	< 0.01	6.8	0.06	0.04	0.95	19	0.15	6.95	8	1.5
600239	94059407	< 0.05	2.0	0.2	0.4	5.0	0.04	< 0.01	5.0	0.06	< 0.02	0.60	29	0.05	5.40	6	0.5
600240	94059407	< 0.05	2.1	0.2	0.4	6.2	0.04	0.02	7.2	0.05	0.02	0.85	23	0.05	7.85	8	1.0

CERTIFICATION: _____



ALS Chemex

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 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
600241	94059407	0.98	< 1	< 0.5	< 1	0.07	0.82	0.1	< 10	17.0	0.20	< 0.01	0.14	0.01	45.9	1.5	14	0.20	7.8	1.06
600242	94059407	0.78	3	< 0.5	< 1	0.22	1.83	0.3	< 10	38.6	0.40	0.01	0.13	0.05	48.0	4.7	28	0.85	13.2	2.75
600243	94059407	0.74	< 1	< 0.5	< 1	0.15	1.16	0.7	< 10	26.2	0.20	0.06	0.13	0.03	31.8	2.9	25	0.95	11.4	2.39
600244	94059407	0.80	< 1	0.5	< 1	0.60	2.30	0.7	< 10	57.0	0.65	0.04	0.19	0.05	45.7	5.0	35	1.75	42.0	4.26
600245	94059407	0.72	< 1	< 0.5	< 1	0.22	1.38	0.5	< 10	31.4	0.30	0.04	0.13	0.04	54.9	4.7	29	0.95	17.4	3.51
600246	94059407	1.02	< 1	< 0.5	< 1	0.07	1.22	1.0	< 10	46.2	0.30	< 0.01	0.22	< 0.01	45.0	3.8	20	0.70	13.6	1.59
600247	94059407	0.86	< 1	< 0.5	< 1	0.07	0.95	< 0.1	< 10	12.6	0.30	0.01	0.18	0.01	46.6	1.8	8	0.45	6.4	1.03
600248	94059407	0.72	< 1	< 0.5	< 1	0.34	2.93	< 0.1	< 10	37.8	0.50	0.04	0.21	0.05	70.3	4.1	96	1.05	28.6	2.62
600249	94059407	0.74	< 1	< 0.5	< 1	0.12	1.75	0.3	< 10	16.0	0.50	0.02	0.16	0.01	47.9	2.1	12	0.55	8.8	1.63
600250	94059407	0.82	< 1	0.5	< 1	0.24	1.79	0.6	< 10	114.8	0.45	0.06	0.26	0.07	61.9	5.0	25	1.75	44.4	3.97
600251	94059407	0.74	< 1	< 0.5	< 1	0.15	2.01	0.4	< 10	35.2	0.50	0.04	0.27	0.06	47.9	3.9	34	1.10	12.2	2.48
600252	94059407	0.78	< 1	< 0.5	< 1	0.23	1.58	0.4	< 10	29.0	0.30	0.05	0.13	0.04	36.7	3.4	29	0.85	13.0	2.57
600253	94059407	0.84	< 1	0.5	< 1	0.13	2.03	0.5	< 10	233.4	0.35	0.03	0.40	0.08	73.1	21.9	81	1.30	40.6	3.43
600254	94059407	0.82	25	10.0	22	2.05	1.50	2.0	< 10	53.2	0.10	1.11	0.05	0.16	40.4	1.6	106	1.20	119.0	>15.00
600255	94059407	1.28	< 1	0.5	< 1	0.06	0.61	0.3	< 10	32.6	0.15	0.02	0.27	0.01	39.2	1.4	18	0.30	5.4	0.69
600256	94059407	0.76	< 1	1.0	< 1	0.11	0.90	0.4	< 10	23.4	0.10	0.05	0.06	< 0.01	43.4	1.6	23	0.55	12.2	1.15
600257	94059407	1.26	< 1	0.5	2	0.18	2.01	0.4	< 10	349.6	0.20	0.06	0.31	0.05	35.2	10.6	67	2.95	30.2	3.74
600258	94059407	0.84	< 1	< 0.5	< 1	0.35	2.12	0.2	< 10	45.8	0.55	0.02	0.22	0.05	55.4	4.6	30	1.30	13.2	3.37
600259	94059407	0.84	< 1	0.5	< 1	0.16	1.58	0.1	< 10	107.0	0.25	0.08	0.34	0.06	58.6	10.7	47	1.45	26.6	2.96
600260	94059407	1.12	4	6.5	7	0.09	1.43	0.1	< 10	30.8	0.30	0.04	0.28	0.01	49.6	3.0	25	0.40	17.2	1.60
600261	94059407	0.82	3	2.0	3	0.83	3.16	0.6	< 10	193.6	0.40	0.15	0.21	0.09	50.7	6.7	73	1.75	46.2	5.20
600262	94059407	0.90	< 1	0.5	< 1	0.10	1.37	0.3	< 10	103.8	0.25	0.02	0.37	0.03	51.8	7.7	51	0.85	16.6	1.99
600263	94059407	0.68	< 1	0.5	< 1	0.26	2.69	0.4	< 10	43.6	0.55	0.04	0.28	0.13	48.2	4.2	42	1.55	13.8	2.66
600264	94059407	0.84	< 1	0.5	< 1	0.11	1.25	0.1	< 10	63.0	0.30	0.03	0.38	0.04	61.4	5.5	31	0.90	17.8	1.84
600265	94059407	0.74	1	0.5	2	1.43	4.33	0.8	< 10	118.2	0.70	0.09	0.16	0.12	57.6	8.5	95	1.95	62.0	5.24
600266	94059407	0.70	< 1	< 0.5	< 1	0.34	2.18	0.6	< 10	44.2	0.45	0.04	0.11	0.06	77.9	2.8	24	0.40	17.4	3.25
600267	94059407	0.98	< 1	< 0.5	< 1	0.15	1.27	0.1	< 10	23.0	0.35	0.05	0.07	0.03	83.7	3.4	18	0.80	12.6	2.35
600268	94059407	1.06	1	1.5	1	0.29	2.45	0.5	< 10	246.2	0.50	0.09	0.33	0.11	77.1	12.9	69	1.80	58.8	4.88
600269	94059407	0.70	< 1	0.5	1	0.17	2.38	0.4	< 10	87.2	0.60	0.04	0.25	0.11	39.4	7.9	68	1.10	31.8	4.26
600270	94059407	0.90	1	1.0	2	0.64	3.81	0.5	< 10	108.2	0.55	0.08	0.21	0.07	59.9	4.6	66	1.25	43.6	4.50
600271	94059407	0.70	3	2.5	7	0.84	1.95	1.4	< 10	40.4	0.15	1.15	0.04	0.15	17.20	1.4	94	3.05	141.0	>15.00
600272	94059407	0.74	< 1	0.5	< 1	0.17	1.55	0.1	< 10	23.4	0.25	0.04	0.16	0.02	90.3	2.7	30	0.75	25.4	2.75
600273	94059407	1.02	< 1	0.5	< 1	0.17	1.61	0.1	< 10	56.6	0.35	0.05	0.13	0.04	51.3	4.9	27	1.35	15.4	1.96
600274	94059407	0.68	1	1.5	3	0.30	2.95	1.0	< 10	266.8	0.55	0.21	0.20	0.14	53.7	7.3	73	1.15	59.0	6.25
600275	94059407	0.84	< 1	0.5	< 1	0.11	1.13	0.3	< 10	95.0	0.30	0.03	0.38	0.05	60.3	8.7	79	0.95	23.6	2.20
600276	94059407	1.28	< 1	1.0	1	0.09	1.35	0.2	< 10	217.2	0.20	0.03	0.45	0.05	63.6	11.2	59	0.95	31.8	2.25
600277	94059407	0.74	< 1	< 0.5	< 1	0.10	1.34	< 0.1	< 10	27.4	0.30	0.01	0.18	0.02	57.9	3.0	19	0.45	10.2	1.74
600278	94059407	1.14	< 1	0.5	1	0.13	1.62	0.5	< 10	321.4	0.25	0.03	0.53	0.08	72.8	9.0	47	1.40	36.6	2.24
600279	94059407	1.00	< 1	< 0.5	< 1	0.12	1.02	0.2	< 10	26.4	0.15	0.01	0.17	< 0.01	79.0	1.9	14	0.45	9.6	1.20
600280	94059407	1.10	< 1	0.5	1	0.12	1.19	0.1	< 10	101.8	0.30	0.04	0.63	0.05	93.1	7.8	32	1.50	40.2	1.75

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
600241	94059407	4.25	< 0.05	0.06	0.03	0.005	0.04	25.0	2.5	0.12	50	0.40	0.01	2.60	4.2	550	5.0	3.7<	0.001	0.03
600242	94059407	7.25	0.05	0.08	0.04	0.025	0.12	23.0	8.9	0.38	125	1.05	0.01	5.35	10.8	630	9.0	12.5<	0.001	0.01
600243	94059407	10.85	0.05	0.06	0.04	0.010	0.08	15.6	5.7	0.26	80	1.10	0.01	5.95	7.0	530	8.6	8.7<	0.001	0.03
600244	94059407	9.55	0.10	0.06	0.06	0.035	0.20	22.0	12.7	0.47	180	3.55	0.01	6.25	11.0	1220	18.0	21.8<	0.001	0.04
600245	94059407	10.70	0.10	0.08	0.03	0.025	0.10	23.6	9.0	0.35	140	1.50	0.01	6.05	9.6	840	12.0	11.6<	0.001	0.02
600246	94059407	3.55	0.05	0.08	0.01	0.010	0.17	23.2	7.8	0.32	100	0.40	0.01	3.45	8.6	810	5.8	17.0<	0.001	0.01
600247	94059407	3.15	0.05	0.06	0.01	0.005	0.04	23.0	5.9	0.13	55	0.20	< 0.01	3.35	3.4	780	6.4	4.7<	0.001	0.01
600248	94059407	5.70	0.05	0.12	0.05	0.020	0.10	34.2	12.6	0.35	95	1.30	0.01	5.45	13.8	1120	8.6	9.7<	0.001	0.04
600249	94059407	5.85	< 0.05	0.08	0.06	0.015	0.03	24.0	6.8	0.15	55	0.35	< 0.01	4.40	3.6	750	9.0	4.4<	0.001	0.02
600250	94059407	8.25	0.05	0.10	0.04	0.045	0.30	26.6	16.5	0.47	190	3.60	0.01	5.70	11.4	1470	15.4	31.9<	0.001	0.11
600251	94059407	6.30	0.05	0.10	0.03	0.020	0.12	21.2	9.1	0.30	130	0.80	0.01	5.40	9.8	1520	9.6	11.8<	0.001	0.03
600252	94059407	9.95	0.05	0.08	0.06	0.020	0.09	18.0	8.2	0.33	105	1.25	0.01	6.95	7.4	440	11.0	7.6<	0.001	0.02
600253	94059407	8.30	0.15	0.08	0.01	0.025	0.52	36.4	27.3	1.13	310	1.25	0.02	4.60	51.4	1360	7.4	47.1<	0.001	0.02
600254	94059407	14.25	0.60	0.14	0.01	0.110	3.19	26.4	10.1	0.91	225	68.90	0.02	9.20	4.8	1200	34.0	101.0	0.005	4.41
600255	94059407	3.60	0.05	0.06	0.01	0.005	0.11	20.0	3.0	0.15	50	0.40	0.01	3.25	4.2	1050	4.6	6.7<	0.001	0.05
600256	94059407	7.40	0.05	0.06	0.02	0.005	0.09	23.2	2.2	0.14	45	3.85	< 0.01	4.00	4.2	250	12.0	7.9<	0.001	0.04
600257	94059407	12.00	0.15	0.08	0.03	0.030	0.88	18.4	14.6	1.13	280	3.45	0.02	6.70	25.2	1270	8.8	54.5<	0.001	0.03
600258	94059407	9.40	0.10	0.08	0.04	0.030	0.14	25.6	11.5	0.40	170	1.35	0.01	6.55	9.2	1090	11.8	16.0<	0.001	0.02
600259	94059407	8.80	0.15	0.08	< 0.01	0.020	0.26	28.4	14.8	0.69	190	1.80	0.01	5.10	21.0	900	9.8	23.6<	0.001	0.01
600260	94059407	4.65	0.05	0.06	0.03	0.015	0.06	25.8	5.3	0.24	70	0.95	0.01	3.40	7.6	980	6.0	5.8<	0.001	0.02
600261	94059407	13.10	0.15	0.10	0.06	0.040	0.42	24.8	14.4	0.78	185	9.45	0.01	7.95	16.6	990	10.8	26.8<	0.001	0.08
600262	94059407	5.30	0.05	0.06	0.01	0.015	0.23	27.6	13.8	0.72	120	0.60	0.01	3.65	34.8	1310	5.4	19.8<	0.001	0.01
600263	94059407	5.20	0.05	0.12	0.06	0.015	0.11	24.0	14.7	0.37	125	1.20	0.01	5.45	10.8	1420	10.0	12.0<	0.001	0.03
600264	94059407	4.85	0.05	0.12	0.02	0.015	0.18	29.0	10.5	0.42	120	0.85	0.01	4.10	14.2	1450	6.2	16.6<	0.001	0.01
600265	94059407	8.95	0.15	0.16	0.06	0.050	0.24	29.6	19.1	0.75	175	4.25	0.01	6.45	24.4	1260	19.2	17.4<	0.001	0.05
600266	94059407	13.35	0.10	0.08	0.11	0.025	0.04	39.8	3.9	0.13	125	1.40	< 0.01	6.05	4.4	1670	18.8	5.6<	0.001	0.04
600267	94059407	11.20	0.05	0.10	0.02	0.015	0.05	43.6	4.6	0.18	80	1.55	< 0.01	5.30	5.4	580	14.4	10.3<	0.001	0.03
600268	94059407	10.05	0.20	0.08	0.04	0.025	0.51	40.0	20.3	0.89	210	12.65	0.01	6.00	32.6	1290	11.2	39.3<	0.001	0.06
600269	94059407	7.55	0.10	0.10	0.04	0.020	0.18	18.6	11.4	0.58	150	1.75	0.01	5.10	23.0	1400	8.4	15.9<	0.001	0.03
600270	94059407	9.45	0.15	0.14	0.07	0.035	0.23	32.6	9.7	0.49	115	4.95	0.01	7.40	12.0	1240	13.2	15.5<	0.001	0.05
600271	94059407	16.20	0.55	0.10	0.04	0.130	1.64	10.2	17.2	0.80	175	51.75	0.01	11.75	3.0	1170	12.2	81.6	0.001	1.77
600272	94059407	6.80	0.10	0.12	0.01	0.025	0.10	45.8	5.2	0.28	90	0.75	0.01	5.60	6.2	800	10.0	11.1<	0.001	0.03
600273	94059407	8.20	0.05	0.08	0.02	0.015	0.16	27.2	9.1	0.43	110	1.20	0.01	5.00	10.2	480	9.4	15.5<	0.001	0.04
600274	94059407	11.20	0.20	0.10	0.04	0.040	0.58	28.6	14.8	0.78	190	12.85	0.01	7.70	18.2	920	9.4	33.3<	0.001	0.35
600275	94059407	5.80	0.05	0.08	< 0.01	0.015	0.21	26.8	9.7	0.68	170	1.00	0.02	3.85	30.4	1230	5.6	21.1<	0.001	0.01
600276	94059407	6.25	0.10	0.08	0.01	0.015	0.46	33.4	14.3	0.94	200	0.75	0.03	3.55	36.2	1300	5.8	35.8<	0.001	0.01
600277	94059407	4.15	0.05	0.08	0.03	0.010	0.08	28.6	6.2	0.22	85	0.40	0.01	3.90	7.0	820	7.6	8.4<	0.001	0.01
600278	94059407	7.25	0.15	0.14	0.01	0.030	0.72	38.6	17.1	0.95	235	0.85	0.03	4.65	26.8	1800	6.6	46.4<	0.001	0.02
600279	94059407	3.90	0.05	0.06	0.04	0.010	0.08	41.6	5.4	0.18	55	0.40	0.01	2.90	5.2	660	7.2	10.2<	0.001	0.01
600280	94059407	4.15	0.15	0.08	0.01	0.015	0.22	44.0	15.9	0.50	150	0.90	0.02	3.50	31.2	1500	4.8	22.1	0.001	0.01

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SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
600241	94059407	< 0.05	1.3	0.4	0.6	5.6	< 0.01	< 0.01	1.8	0.07	0.02	0.80	19	0.05	4.85	10	1.0
600242	94059407	< 0.05	3.9	0.6	0.8	5.6	0.03	< 0.01	6.8	0.15	0.08	0.65	47	0.10	4.80	26	2.0
600243	94059407	< 0.05	2.4	0.4	1.2	6.0	0.01	0.02	4.2	0.17	0.06	1.00	55	0.25	3.70	16	1.5
600244	94059407	< 0.05	4.6	0.8	1.0	8.8	0.04	0.05	5.6	0.18	0.18	1.45	80	0.15	5.65	52	2.0
600245	94059407	< 0.05	2.9	0.4	1.2	6.6	0.01	0.04	4.6	0.20	0.12	1.15	65	0.20	3.95	30	1.5
600246	94059407	< 0.05	2.7	0.2	0.4	5.8	0.02	< 0.01	5.2	0.10	0.10	0.70	27	0.10	6.40	18	1.5
600247	94059407	< 0.05	1.8	< 0.2	0.6	5.8	0.03	< 0.01	6.8	0.07	0.06	1.20	17	0.10	6.20	10	1.0
600248	94059407	< 0.05	5.5	0.8	0.8	7.4	0.10	0.03	8.8	0.12	0.08	1.75	37	0.30	7.70	28	2.0
600249	94059407	< 0.05	2.8	0.6	0.8	6.0	0.07	0.02	7.2	0.10	0.02	2.40	28	0.10	6.15	10	2.0
600250	94059407	0.05	5.2	1.0	1.0	11.0	0.03	0.09	9.0	0.17	0.24	1.40	66	0.15	7.40	56	2.0
600251	94059407	< 0.05	3.5	0.4	0.8	9.4	0.06	0.01	6.0	0.13	0.10	1.05	43	0.25	6.25	34	2.0
600252	94059407	< 0.05	3.5	0.4	1.2	7.0	0.03	< 0.01	6.8	0.20	0.06	1.10	52	0.25	4.10	22	2.5
600253	94059407	< 0.05	4.7	0.4	1.2	20.0	< 0.01	0.03	8.4	0.24	0.30	1.10	66	0.20	8.55	68	1.5
600254	94059407	< 0.05	16.6	19.4	0.8	6.6	0.14	0.91	29.4	0.60	0.92	1.50	594	0.70	2.35	64	3.0
600255	94059407	< 0.05	2.1	0.2	0.6	12.2	0.01	< 0.01	1.8	0.10	0.06	0.60	16	0.15	5.95	10	0.5
600256	94059407	< 0.05	1.5	0.4	1.2	4.2	0.01	0.01	2.6	0.13	0.06	1.85	37	0.15	2.80	6	1.0
600257	94059407	< 0.05	7.1	0.6	1.0	11.8	< 0.01	0.05	5.8	0.32	0.36	1.15	88	0.20	6.60	66	2.0
600258	94059407	< 0.05	4.5	0.6	1.0	9.2	0.04	0.03	6.4	0.17	0.14	1.00	58	0.15	6.40	44	1.5
600259	94059407	< 0.05	4.2	0.4	1.2	17.6	< 0.01	< 0.01	7.0	0.21	0.14	1.15	66	0.50	6.80	42	2.0
600260	94059407	< 0.05	2.6	0.6	0.6	13.0	0.03	< 0.01	3.6	0.11	0.08	1.10	30	0.15	6.95	10	1.0
600261	94059407	< 0.05	8.8	1.2	1.0	8.0	0.04	0.08	10.6	0.30	0.20	1.45	142	0.25	7.90	62	2.5
600262	94059407	< 0.05	3.1	0.2	0.8	15.6	< 0.01	0.02	4.8	0.15	0.14	0.80	36	0.15	7.20	34	1.5
600263	94059407	< 0.05	4.4	0.6	0.8	10.8	0.04	0.01	7.4	0.13	0.10	1.40	36	0.25	7.30	36	2.0
600264	94059407	< 0.05	3.6	0.2	0.8	16.0	0.01	< 0.01	5.8	0.13	0.12	0.90	35	0.15	8.50	24	3.0
600265	94059407	< 0.05	10.8	1.4	0.8	7.2	0.03	0.13	11.4	0.24	0.20	1.35	87	0.25	8.85	90	3.0
600266	94059407	< 0.05	3.1	0.8	1.4	9.0	0.09	0.03	13.6	0.14	0.06	1.40	58	0.25	6.40	14	2.0
600267	94059407	< 0.05	2.1	0.4	1.2	5.4	0.02	0.01	9.8	0.16	0.10	1.30	58	0.25	5.20	12	2.0
600268	94059407	< 0.05	6.2	0.8	1.0	17.2	0.01	0.09	18.4	0.26	0.34	1.35	111	0.25	8.70	72	2.5
600269	94059407	< 0.05	5.5	0.6	1.0	13.4	0.06	0.03	6.2	0.19	0.14	0.75	59	0.40	5.35	44	2.0
600270	94059407	< 0.05	7.5	1.6	0.8	7.8	0.07	0.08	14.0	0.23	0.16	2.05	87	0.20	8.30	36	3.0
600271	94059407	< 0.05	12.4	5.0	1.8	10.2	0.08	0.51	10.2	0.37	0.66	0.95	313	0.35	1.60	42	2.0
600272	94059407	< 0.05	4.2	0.6	1.2	5.4	0.05	< 0.01	18.0	0.16	0.10	1.55	47	0.20	9.05	14	3.0
600273	94059407	< 0.05	2.7	0.6	1.4	11.2	0.01	0.03	4.6	0.14	0.14	2.20	37	0.20	5.20	24	2.5
600274	94059407	< 0.05	6.8	2.0	0.8	16.4	0.03	0.12	9.8	0.29	0.32	1.30	140	0.25	6.35	62	2.5
600275	94059407	< 0.05	3.3	0.2	0.8	18.2	< 0.01	0.02	4.4	0.15	0.14	0.95	44	0.15	7.35	26	1.5
600276	94059407	< 0.05	4.6	0.2	1.0	21.0	< 0.01	< 0.01	8.4	0.20	0.22	0.95	47	0.20	8.25	46	2.5
600277	94059407	< 0.05	3.0	0.4	0.8	6.8	0.02	0.01	9.0	0.10	0.06	0.80	31	0.10	6.50	16	2.0
600278	94059407	< 0.05	6.3	0.4	0.8	18.6	0.01	0.01	9.6	0.22	0.36	1.30	54	0.20	11.65	70	4.0
600279	94059407	< 0.05	2.3	0.6	0.6	5.8	0.03	0.02	6.4	0.09	0.10	1.35	21	0.10	7.90	8	1.5
600280	94059407	< 0.05	4.1	0.6	0.8	28.4	0.01	< 0.01	6.2	0.12	0.14	3.20	33	0.15	12.95	38	1.5

CERTIFICATION: 



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Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Weight Au ppb		Pt ppb		Pd ppb		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		Kg	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS															
600281	94059407	0.72	< 1	< 0.5	< 1	0.13	1.63	0.5	< 10	43.0	0.35	0.03	0.20	0.03	64.5	2.8	19	0.50	18.6	3.34		
600282	94059407	0.76	< 1	1.0	< 1	0.25	1.86	0.1	< 10	30.2	0.35	0.04	0.08	0.08	66.5	3.0	28	0.60	44.6	3.89		
600283	94059407	0.56	1	1.5	2	0.25	1.47	1.3	< 10	151.6	0.15	0.38	0.29	0.11	56.3	20.7	84	1.65	132.0	8.03		
600284	94059407	0.78	< 1	2.0	5	0.10	2.33	0.2	< 10	163.2	0.40	0.07	0.51	0.05	106.0	21.6	87	3.75	62.2	4.17		
600285	94059407	0.96	< 1	< 0.5	< 1	0.06	0.91	0.4	< 10	29.4	0.20	0.01	0.30	0.02	55.0	2.6	17	0.50	7.0	1.32		
600286	94059407	0.70	< 1	< 0.5	< 1	0.16	1.58	0.1	< 10	15.4	0.30	0.01	0.17	0.01	71.5	2.1	17	0.50	9.6	1.95		
600287	94059407	0.82	< 1	< 0.5	< 1	0.05	1.46	0.5	< 10	18.4	0.35	0.02	0.25	0.03	101.5	2.8	21	0.45	8.0	2.06		
600288	94059407	0.72	< 1	1.0	2	0.09	3.81	0.2	< 10	22.2	0.60	0.17	0.07	0.04	34.2	4.7	51	0.75	25.0	3.76		
600289	94059407	0.78	1	6.5	2	0.31	1.48	0.6	< 10	76.8	0.30	0.11	0.34	0.04	57.1	6.3	49	0.80	26.6	2.93		
600290	94059407	0.82	< 1	< 0.5	< 1	0.08	1.05	< 0.1	< 10	13.6	0.35	0.05	0.14	0.03	37.6	1.9	12	0.90	8.2	1.26		
600291	94059407	1.14	< 1	0.5	1	0.05	1.61	0.1	< 10	90.6	0.35	0.04	0.42	0.06	61.6	7.0	47	0.90	33.0	2.52		
600292	94059407	1.26	< 1	0.5	1	0.07	1.09	< 0.1	< 10	112.8	0.25	0.04	0.53	0.01	59.2	8.3	38	1.10	20.0	2.07		
600293	94059407	0.86	< 1	0.5	1	0.09	3.20	0.4	< 10	123.0	0.55	0.04	0.29	0.05	48.1	6.8	53	1.50	29.8	3.49		
600294	94059407	0.90	1	0.5	1	0.07	1.74	0.3	< 10	79.6	0.40	0.03	0.57	0.08	48.0	6.2	46	0.80	24.2	2.72		
600295	94059407	0.80	< 1	< 0.5	< 1	0.02	1.09	0.1	< 10	10.2	0.25	< 0.01	0.15	0.03	33.7	1.3	11	0.15	5.0	1.29		
600296	94059407	1.12	< 1	< 0.5	< 1	< 0.01	0.96	0.4	< 10	11.2	0.25	< 0.01	0.21	< 0.01	49.3	1.4	11	0.20	7.2	1.12		
600297	94059407	0.72	< 1	0.5	< 1	0.07	1.65	0.3	< 10	20.4	0.30	0.03	0.15	0.01	89.9	3.9	28	0.55	10.6	2.93		
600298	94059407	0.86	< 1	0.5	1	0.07	1.90	0.1	< 10	56.2	0.30	0.04	0.33	0.07	53.4	5.5	40	0.90	27.8	2.24		
600299	94059407	0.74	2	2.0	4	0.39	2.75	0.7	< 10	101.6	0.40	0.18	0.11	0.10	27.6	2.5	52	0.70	34.2	5.33		
600300	94059407	0.88	< 1	2.0	2	0.10	2.25	0.6	< 10	137.2	0.40	0.04	0.33	0.04	57.8	6.8	53	1.50	39.8	3.16		
600301	94059407	0.82	< 1	1.0	< 1	0.15	2.10	0.4	< 10	17.0	0.35	< 0.01	0.13	0.03	44.5	2.0	11	0.35	8.6	1.55		
600302	94059407	1.14	< 1	0.5	< 1	< 0.01	0.68	0.1	< 10	14.0	0.15	0.01	0.21	< 0.01	51.3	1.4	9	0.30	6.8	0.95		
600303	94059407	0.78	< 1	0.5	< 1	0.07	1.08	< 0.1	< 10	8.6	0.20	0.02	0.05	< 0.01	58.6	0.9	11	0.20	5.6	0.31		
600304	94059407	0.88	< 1	< 0.5	< 1	0.12	1.18	0.2	< 10	23.0	0.20	0.04	0.11	0.03	31.6	2.7	15	0.95	11.8	1.76		
600305	94059407	1.00	< 1	0.5	< 1	0.04	0.72	0.1	< 10	32.8	0.15	0.01	0.26	< 0.01	57.0	3.1	16	0.50	8.8	1.21		
600306	94059407	0.82	< 1	< 0.5	< 1	0.12	1.84	0.6	< 10	23.2	0.50	0.04	0.20	0.05	48.0	2.5	23	0.60	9.8	2.76		
600307	94059407	0.88	< 1	< 0.5	< 1	0.06	1.10	0.3	< 10	17.8	0.20	0.01	0.19	< 0.01	59.7	1.5	10	0.40	9.0	1.09		
600308	94059407	0.86	< 1	< 0.5	< 1	0.09	2.02	0.5	< 10	14.0	0.40	0.05	0.15	0.05	41.0	3.5	47	0.85	10.6	2.54		
600309	94059407	0.84	< 1	< 0.5	< 1	0.19	3.12	0.3	< 10	23.2	0.75	0.03	0.20	0.07	47.0	2.4	24	0.55	9.6	2.50		
600310	94059407	0.92	< 1	1.0	1	0.09	2.13	0.3	< 10	17.2	0.35	0.04	0.29	0.08	41.1	8.1	31	0.80	77.4	2.80		
600311	94059407	0.98	< 1	< 0.5	< 1	0.09	2.32	0.5	< 10	34.2	0.50	0.03	0.18	0.03	43.6	2.6	22	0.85	9.6	2.15		
600312	94059407	1.32	< 1	0.5	< 1	0.06	0.68	0.1	< 10	61.8	0.20	0.06	0.23	0.11	48.4	2.9	17	1.10	13.4	1.59		
600313	94059407	0.88	< 1	< 0.5	< 1	0.02	1.22	< 0.1	< 10	8.4	0.25	< 0.01	0.20	0.04	46.8	1.3	12	0.20	6.6	1.16		
600314	94059407	0.86	< 1	< 0.5	< 1	0.09	1.39	0.3	< 10	46.6	0.35	0.03	0.28	0.02	53.3	5.1	24	1.00	19.8	2.18		
600315	94059407	0.86	< 1	< 0.5	< 1	0.07	2.44	0.9	< 10	28.8	0.70	0.05	0.13	0.07	37.7	3.9	34	1.35	10.8	2.52		
600316	94059407	1.00	< 1	< 0.5	< 1	0.29	3.09	0.3	< 10	26.0	0.60	0.03	0.16	0.03	40.0	2.9	28	0.65	19.2	3.09		
600317	94059407	0.80	< 1	< 0.5	< 1	0.19	2.50	0.1	< 10	282.6	0.55	0.06	0.26	0.07	62.4	18.4	72	1.75	29.2	3.93		
600318	94059407	0.80	< 1	< 0.5	< 1	0.10	1.13	0.4	< 10	23.4	0.25	0.03	0.18	0.01	42.9	3.7	23	0.80	11.4	2.06		
600319	94059407	0.94	< 1	0.5	< 1	0.19	3.12	0.4	< 10	19.4	0.70	0.08	0.11	0.09	45.6	2.8	54	0.70	16.8	2.63		
600320	94059407	0.92	< 1	< 0.5	< 1	0.12	2.09	0.4	< 10	22.0	0.35	0.02	0.14	0.01	39.5	4.0	25	0.80	16.0	2.31		

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
600281	94059407	4.75	0.05	0.06	0.04	0.020	0.11	31.2	6.9	0.27	145	0.50	0.01	3.60	6.6	1130	8.8	7.7 <	0.001	0.08
600282	94059407	14.15	0.05	0.06	0.05	0.035	0.05	31.2	6.8	0.24	105	0.85 <	0.01	7.25	7.4	680	13.0	6.7 <	0.001	0.03
600283	94059407	9.30	0.15	0.12	0.05	0.020	0.28	28.6	18.0	0.83	260	29.20	0.01	5.75	46.2	1310	8.6	18.4	0.010	0.14
600284	94059407	9.95	0.15	0.10	0.01	0.025	0.55	39.2	22.6	1.33	370	3.45	0.02	4.40	56.0	860	10.2	55.1 <	0.001	0.02
600285	94059407	3.55	0.05	0.06	0.02	0.010	0.09	27.6	6.6	0.25	85	0.65	0.01	3.25	7.2	950	5.2	9.8 <	0.001	0.01
600286	94059407	6.25	0.05	0.08	0.05	0.015	0.05	33.4	4.6	0.17	70	0.50	0.01	4.95	4.6	700	8.0	5.9 <	0.001	0.01
600287	94059407	5.60	0.05	0.10	0.03	0.015	0.08	48.2	5.0	0.19	95	0.75	0.01	4.35	5.6	1290	9.2	8.4 <	0.001	0.01
600288	94059407	11.30	0.05	0.10	0.05	0.025	0.06	15.4	8.4	0.29	75	3.45 <	0.01	5.85	11.8	370	8.6	5.1 <	0.001	0.04
600289	94059407	5.75	0.05	0.10 <	0.01	0.025	0.25	26.8	13.1	0.60	140	7.75	0.01	12.10	16.8	1020	7.8	18.6 <	0.001	0.10
600290	94059407	5.40	0.05	0.06	0.01	0.015	0.05	17.8	7.2	0.16	65	0.80	0.01	4.20	5.2	540	9.8	7.1 <	0.001	0.01
600291	94059407	5.90	0.05	0.06	0.01	0.015	0.25	28.4	9.8	0.67	135	1.30	0.01	3.55	23.6	1410	6.2	17.8 <	0.001	0.03
600292	94059407	5.30	0.10	0.06	0.01	0.015	0.36	29.6	12.4	0.67	220	1.15	0.02	3.80	19.6	1710	5.6	31.7 <	0.001	0.01
600293	94059407	6.90	0.05	0.12	0.04	0.025	0.32	23.8	11.9	0.64	160	1.45	0.01	5.50	19.2	1570	6.6	19.8 <	0.001	0.03
600294	94059407	5.85	0.05	0.08	0.02	0.015	0.19	22.0	10.9	0.59	120	2.40	0.01	4.00	20.0	1470	6.2	14.6 <	0.001	0.02
600295	94059407	3.50 <	0.05	0.02	0.02	0.005	0.02	16.6	1.9	0.09	40	0.45 <	0.01	2.35	3.4	750	4.4	2.1 <	0.001	0.01
600296	94059407	3.15 <	0.05	0.06	0.01	0.005	0.03	24.2	2.1	0.09	40	0.40 <	0.01	2.35	3.6	930	4.4	3.1 <	0.001	0.01
600297	94059407	11.50	0.05	0.04	0.05	0.020	0.07	44.6	8.4	0.23	100	0.95 <	0.01	2.75	9.8	1500	13.2	12.0 <	0.001	0.02
600298	94059407	4.85	0.05	0.06	0.03	0.015	0.21	22.4	12.8	0.45	115	1.90	0.01	3.65	17.2	1270	7.0	16.5 <	0.001	0.03
600299	94059407	8.75	0.10	0.08	0.06	0.050	0.34	13.4	6.8	0.43	100	5.90	0.01	4.75	6.8	830	10.6	14.7 <	0.001	0.31
600300	94059407	7.50	0.05	0.08	0.03	0.020	0.44	28.4	13.0	0.72	175	2.10	0.01	5.10	19.2	1320	9.0	27.2 <	0.001	0.02
600301	94059407	3.95 <	0.05	0.06	0.07	0.020	0.05	21.6	4.9	0.16	65	0.30	0.01	3.45	4.0	870	6.4	4.6 <	0.001	0.03
600302	94059407	2.30 <	0.05	0.02 <	0.01	0.005	0.05	24.0	2.8	0.11	45	0.20	0.01	2.30	3.6	810	5.8	4.8 <	0.001	0.01
600303	94059407	5.55	0.05	0.06	0.03	0.015	0.02	28.4	4.0	0.09	30	0.60 <	0.01	4.70	1.8	130	9.6	2.3 <	0.001	0.02
600304	94059407	8.45	0.05	0.06	0.03	0.020	0.09	15.2	7.3	0.33	105	0.35	0.01	4.85	5.4	400	7.4	9.0 <	0.001	0.01
600305	94059407	3.50 <	0.05	0.08 <	0.01	0.015	0.13	28.6	8.8	0.28	95	0.80	0.01	3.20	6.4	870	6.0	14.1 <	0.001	0.01
600306	94059407	11.50	0.05	0.08	0.06	0.020	0.05	18.6	7.0	0.23	95	0.50	0.01	5.70	6.2	1290	10.2	5.7 <	0.001	0.02
600307	94059407	3.90 <	0.05	0.06	0.01	0.005	0.07	28.8	4.2	0.13	55	0.35	0.01	3.15	3.8	760	6.6	7.0 <	0.001	0.01
600308	94059407	9.20	0.05	0.10	0.03	0.020	0.04	18.2	9.9	0.36	95	0.50	0.01	4.90	12.0	820	9.6	5.1 <	0.001	0.02
600309	94059407	6.85	0.05	0.10	0.09	0.025	0.07	16.4	6.5	0.19	90	0.60	0.01	5.60	5.0	1120	10.8	6.1 <	0.001	0.04
600310	94059407	6.10	0.05	0.06	0.05	0.020	0.06	17.8	9.8	0.43	95	0.75	0.02	3.35	86.0	1160	9.8	6.5 <	0.001	0.03
600311	94059407	6.80	0.05	0.08	0.05	0.015	0.08	20.6	10.2	0.25	85	0.45	0.01	4.45	5.6	950	8.8	8.0 <	0.001	0.02
600312	94059407	7.80	0.05	0.06 <	0.01	0.005	0.16	24.8	5.5	0.28	80	5.70	0.01	4.15	8.6	380	13.2	19.4 <	0.001	0.03
600313	94059407	2.40	0.05	0.08	0.03	0.005	0.03	23.0	2.3	0.08	35	0.25 <	0.01	2.40	3.2	860	5.2	2.6 <	0.001	0.01
600314	94059407	6.90	0.05	0.06	0.03	0.015	0.14	25.2	11.8	0.46	130	0.60	0.01	4.00	11.0	870	7.0	13.3 <	0.001	0.01
600315	94059407	6.25	0.05	0.12	0.01	0.020	0.08	17.0	14.1	0.33	110	0.55	0.01	4.85	10.6	680	7.8	10.6 <	0.001	0.01
600316	94059407	8.25	0.05	0.12	0.05	0.025	0.07	19.2	7.6	0.25	95	0.50 <	0.01	5.40	6.0	990	6.4	6.6 <	0.001	0.04
600317	94059407	13.60	0.15	0.10	0.02	0.025	0.47	34.0	22.5	1.86	570	1.85	0.01	5.90	42.8	1180	6.6	32.5 <	0.001	0.01
600318	94059407	7.45	0.05	0.08	0.03	0.015	0.09	17.6	8.8	0.36	160	0.25	0.01	5.05	7.0	950	7.2	8.1 <	0.001	0.01
600319	94059407	10.75	0.05	0.12	0.07	0.015	0.04	22.4	9.6	0.28	75	1.10 <	0.01	5.95	9.8	610	18.2	4.7 <	0.001	0.04
600320	94059407	8.10	0.05	0.08	0.05	0.025	0.07	18.6	11.4	0.47	130	0.35	0.01	5.15	8.2	640	6.4	7.3 <	0.001	0.02

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 ENGLEWOOD, COLORADO
 80112, USA

Page Num: 13-C
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 Invoice No. : I0122462
 P.O. Number :
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
600281	94059407	< 0.05	3.7	0.4	0.8	7.4	0.03	0.04	10.2	0.11	0.08	1.00	36	0.05	7.10	30	1.5
600282	94059407	< 0.05	3.8	0.4	3.2	5.8	0.07	0.02	13.0	0.32	0.06	1.35	88	0.05	4.60	26	1.5
600283	94059407	< 0.05	4.8	1.2	1.8	12.4	0.02	0.04	9.4	0.31	0.18	1.15	117	0.15	4.60	28	3.0
600284	94059407	< 0.05	6.4	0.2	1.8	24.4	0.01	0.04	10.4	0.26	0.32	1.70	92	1.00	7.70	96	2.5
600285	94059407	< 0.05	2.3	0.2	0.6	10.0	0.01	< 0.01	7.6	0.09	0.10	0.90	23	0.05	7.85	16	1.5
600286	94059407	< 0.05	3.3	0.6	0.8	6.4	0.04	0.04	11.0	0.13	0.06	0.90	33	0.05	6.60	12	2.0
600287	94059407	< 0.05	3.3	0.6	0.8	6.0	0.07	0.04	23.2	0.11	0.08	1.40	40	0.10	10.00	22	2.0
600288	94059407	< 0.05	8.1	0.6	1.0	4.2	0.11	0.04	10.8	0.21	0.08	1.40	79	0.10	4.95	16	2.5
600289	94059407	< 0.05	4.0	1.2	1.0	17.4	0.06	0.06	14.6	0.22	0.18	1.35	89	0.50	7.15	36	2.5
600290	94059407	< 0.05	2.2	0.2	0.8	5.2	0.05	< 0.01	7.8	0.10	0.06	2.25	28	0.10	4.75	14	2.0
600291	94059407	< 0.05	3.6	0.2	0.8	18.2	0.03	< 0.01	6.2	0.15	0.14	1.00	51	0.05	8.15	40	1.0
600292	94059407	< 0.05	3.6	< 0.2	1.0	23.6	< 0.01	< 0.01	7.0	0.16	0.20	1.05	44	0.40	8.75	38	2.0
600293	94059407	< 0.05	6.7	0.6	0.8	9.8	0.03	0.04	10.8	0.20	0.16	1.15	58	0.40	9.05	38	3.0
600294	94059407	< 0.05	3.9	0.8	0.8	30.4	0.03	0.01	6.6	0.15	0.16	1.05	51	0.15	7.00	30	1.5
600295	94059407	< 0.05	1.8	0.2	0.2	4.8	0.04	0.01	4.8	0.05	0.02	0.50	24	< 0.05	4.80	2	0.5
600296	94059407	< 0.05	1.4	0.6	0.2	5.8	0.03	< 0.01	4.0	0.05	0.04	0.85	20	0.05	6.95	2	0.5
600297	94059407	< 0.05	2.1	1.0	0.8	5.0	0.01	0.04	5.4	0.08	0.08	1.30	73	0.05	7.65	30	0.5
600298	94059407	< 0.05	3.3	0.6	0.6	13.4	0.04	0.04	5.0	0.13	0.14	1.00	41	0.10	7.05	32	1.5
600299	94059407	< 0.05	7.7	2.2	0.8	5.8	0.07	0.12	9.2	0.23	0.16	0.90	121	0.15	4.65	42	2.0
600300	94059407	< 0.05	5.7	0.6	0.8	10.4	0.03	0.05	9.0	0.21	0.20	1.40	61	0.30	8.70	50	2.5
600301	94059407	< 0.05	3.5	0.2	0.6	5.2	0.05	0.01	8.2	0.07	0.04	0.90	24	0.05	5.30	12	1.0
600302	94059407	< 0.05	1.6	0.2	0.4	5.8	0.02	< 0.01	5.2	0.05	0.02	0.75	18	< 0.05	6.45	8	0.5
600303	94059407	< 0.05	2.6	< 0.2	1.0	3.6	0.08	< 0.01	7.4	0.12	0.06	1.00	22	< 0.05	4.50	4	1.5
600304	94059407	< 0.05	2.6	0.2	1.4	5.8	0.01	< 0.01	6.2	0.19	0.06	0.55	42	0.05	3.35	16	1.5
600305	94059407	< 0.05	2.3	< 0.2	0.8	9.4	< 0.01	< 0.01	8.2	0.09	0.14	1.05	23	0.05	7.35	30	2.0
600306	94059407	< 0.05	3.5	0.4	1.0	8.6	0.08	0.02	9.4	0.15	0.02	1.00	52	0.15	5.10	20	2.0
600307	94059407	< 0.05	2.3	0.2	0.6	6.2	0.03	0.01	8.0	0.08	0.06	1.25	20	< 0.05	7.00	10	1.5
600308	94059407	< 0.05	3.5	0.6	1.0	6.4	0.07	0.02	7.2	0.16	0.08	0.95	47	0.20	4.30	24	1.5
600309	94059407	< 0.05	4.9	0.6	1.0	9.8	0.11	0.03	7.0	0.12	0.06	0.90	38	0.20	5.40	20	2.0
600310	94059407	< 0.05	3.9	0.4	0.8	10.2	0.06	0.01	6.0	0.10	0.04	0.90	38	0.10	6.35	22	1.5
600311	94059407	< 0.05	4.2	0.2	0.8	6.6	0.09	< 0.01	6.6	0.13	0.04	0.95	40	0.15	5.70	20	1.5
600312	94059407	< 0.05	2.1	< 0.2	1.6	16.4	< 0.01	< 0.01	5.4	0.16	0.10	1.30	45	0.05	4.25	40	1.5
600313	94059407	< 0.05	2.0	0.4	0.2	5.0	0.04	< 0.01	7.2	0.05	0.02	0.90	18	0.45	7.05	2	1.0
600314	94059407	< 0.05	3.6	0.2	0.8	12.4	0.02	< 0.01	7.6	0.14	0.10	0.90	50	0.15	6.80	28	2.0
600315	94059407	< 0.05	4.5	0.2	0.8	6.8	0.04	0.01	9.0	0.13	0.08	0.85	40	0.20	5.05	28	2.5
600316	94059407	< 0.05	5.3	1.0	1.0	7.8	0.12	0.03	7.4	0.14	0.08	0.95	59	0.15	5.85	18	2.0
600317	94059407	< 0.05	6.3	0.2	2.2	40.0	< 0.01	< 0.01	6.6	0.37	0.18	0.55	91	0.15	3.50	114	3.0
600318	94059407	< 0.05	3.3	0.2	1.0	8.0	0.03	< 0.01	4.8	0.19	0.06	0.60	55	0.10	4.50	22	2.0
600319	94059407	< 0.05	5.1	0.6	1.2	5.4	0.14	0.03	9.2	0.18	0.06	1.50	65	0.10	4.55	14	2.5
600320	94059407	< 0.05	4.3	0.6	1.2	7.0	0.05	0.03	6.4	0.16	0.06	0.65	42	0.15	4.45	22	2.0

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CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Weight Au ppb Kg ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	
600321	94059407	0.76	< 1	< 0.5	< 1	0.16	1.92	0.3	< 10	19.0	0.45	0.06	0.08	0.04	50.9	1.7	22	0.65	4.2	1.69
600322	94059407	0.98	< 1	< 0.5	< 1	0.12	2.54	0.3	< 10	26.4	0.65	0.04	0.25	0.06	42.2	3.3	26	0.70	11.8	2.07
600323	94059407	1.12	< 1	< 0.5	< 1	0.04	0.80	0.1	< 10	32.4	0.25	0.02	0.29	0.02	73.0	2.8	18	0.35	10.2	0.86
600325	94059407	1.16	5	< 0.5	< 1	0.04	0.43	0.1	< 10	29.2	0.05	0.01	0.30	0.02	39.8	1.9	10	0.45	6.2	0.86
600326	94059407	1.08	< 1	< 0.5	< 1	0.07	2.04	0.1	< 10	22.4	0.45	0.07	0.17	0.03	36.2	3.1	23	0.75	6.6	2.03
600327	94059407	0.86	< 1	< 0.5	< 1	0.06	2.08	0.4	< 10	19.2	0.45	0.04	0.27	0.04	40.7	2.5	19	0.60	5.8	1.40
600328	94059407	0.92	< 1	< 0.5	< 1	0.10	2.20	0.3	< 10	23.0	0.35	0.05	0.25	0.02	39.1	2.6	19	0.50	5.4	2.13
600329	94059407	0.78	< 1	< 0.5	< 1	0.08	3.16	0.6	< 10	28.6	0.70	0.12	0.08	0.04	57.7	2.3	25	1.40	16.0	2.19
600330	94059407	0.78	< 1	< 0.5	< 1	0.06	1.38	0.1	< 10	13.6	0.35	0.04	0.16	0.03	37.5	1.8	9	0.50	4.0	1.35
600331	94059407	0.84	< 1	< 0.5	< 1	0.06	1.49	0.1	< 10	19.2	0.50	0.02	0.20	0.03	42.0	2.3	10	0.50	4.4	1.21
600332	94059407	0.64	< 1	< 0.5	< 1	0.06	1.41	0.9	< 10	24.0	0.25	0.04	0.16	0.03	37.3	3.8	30	1.30	11.8	2.02
600333	94059407	0.82	< 1	< 0.5	< 1	0.04	1.51	2.1	< 10	71.2	0.35	0.07	0.28	0.03	37.8	7.3	36	1.75	10.8	2.53
600334	94059407	0.76	< 1	0.5	< 1	0.09	1.42	1.8	< 10	39.6	0.35	0.07	0.13	0.01	36.9	5.5	32	1.45	20.4	2.39
600335	94059407	1.00	< 1	0.5	< 1	0.05	0.82	0.1	< 10	17.0	0.15	0.03	0.15	0.01	38.5	1.9	14	0.40	9.8	0.98
600336	94059407	0.86	1	0.5	1	0.05	1.07	0.2	< 10	18.6	0.40	0.02	0.16	0.04	36.4	1.4	8	0.25	8.0	1.02
600337	94059407	0.98	< 1	0.5	< 1	0.05	1.06	0.2	< 10	10.6	0.25	0.01	0.19	0.01	39.9	1.1	9	0.20	4.4	0.94
600338	94059407	0.72	< 1	< 0.5	< 1	0.05	1.21	0.5	< 10	13.8	0.25	0.04	0.20	0.02	48.6	1.7	14	0.60	4.6	1.47
600339	94059407	1.02	< 1	0.5	< 1	0.06	1.07	0.1	< 10	64.4	0.35	0.03	0.33	0.03	80.2	6.1	26	0.60	11.0	3.59
600340	94059407	0.96	< 1	< 0.5	< 1	0.07	1.41	0.3	< 10	13.2	0.35	0.03	0.13	0.02	35.1	1.6	13	0.30	5.6	1.91
600341	94059407	1.14	< 1	0.5	2	0.06	0.62	0.1	< 10	66.6	0.15	0.07	0.11	0.07	49.2	3.1	25	0.75	19.4	1.47
600342	94059407	1.02	< 1	0.5	< 1	0.05	1.94	0.5	< 10	35.0	0.45	0.04	0.28	0.04	39.1	4.8	26	0.75	15.0	2.42
600343	94059407	0.68	< 1	0.5	< 1	0.07	1.04	0.1	< 10	15.0	0.40	0.02	0.25	0.03	40.8	2.5	9	0.45	5.8	1.08
600344	94059407	0.56	< 1	0.5	< 1	0.11	1.36	1.5	< 10	36.4	0.25	0.08	0.13	0.02	39.4	4.8	34	1.40	16.6	2.43
600345	94059407	1.02	< 1	0.5	< 1	0.06	0.84	0.1	< 10	18.6	0.20	0.03	0.18	0.01	42.1	2.0	15	0.50	9.0	1.16
600346	94059407	0.90	< 1	0.5	1	0.05	1.05	0.1	< 10	25.0	0.20	0.03	0.14	0.01	76.3	3.6	16	0.35	6.4	2.10
600347	94059407	0.88	< 1	0.5	1	0.06	1.18	0.2	< 10	28.4	0.35	0.03	0.15	0.03	82.1	4.1	18	0.40	8.4	2.23
600348	94059407	0.80	< 1	< 0.5	< 1	0.05	1.17	0.1	< 10	25.6	0.25	0.02	0.21	0.03	48.5	2.3	11	0.45	8.8	1.19
600349	94059407	0.92	< 1	2.0	3	0.10	1.37	0.3	< 10	85.0	0.45	0.11	0.38	0.03	59.5	13.3	24	1.95	16.2	3.15
600350	94059407	0.94	< 1	< 0.5	< 1	0.07	1.47	0.2	< 10	10.6	0.30	0.02	0.17	0.02	40.6	1.4	10	0.25	4.0	1.26
600351	94059407	0.98	< 1	< 0.5	< 1	0.08	1.01	0.1	< 10	15.4	0.20	0.01	0.21	0.01	41.9	1.2	12	0.20	6.2	0.99
600352	94059407	1.02	< 1	< 0.5	< 1	0.11	2.10	0.3	< 10	45.8	0.40	0.05	0.21	0.07	36.2	5.2	22	0.90	26.0	2.23
600353	94059407	1.00	1	< 0.5	< 1	0.06	1.94	0.6	< 10	25.6	0.40	0.04	0.16	0.04	39.7	2.3	15	0.55	9.6	1.89
600355	94059407	0.80	< 1	0.5	< 1	0.09	2.05	0.3	< 10	22.0	0.40	0.05	0.19	0.05	39.5	1.8	18	0.45	15.8	1.73
600356	94059407	0.96	< 1	< 0.5	< 1	0.06	0.94	0.2	< 10	50.4	0.30	0.03	0.37	0.04	61.1	3.2	12	1.00	7.4	1.17
600357	94059407	0.90	< 1	< 0.5	< 1	0.07	1.77	0.2	< 10	14.2	0.35	0.04	0.22	0.01	37.3	2.0	15	0.50	5.6	1.34
600358	94059407	1.22	< 1	0.5	< 1	0.03	0.59	0.1	< 10	13.2	0.15	0.01	0.27	0.01	38.6	1.4	8	0.15	4.4	0.99
600359	94059407	0.92	< 1	< 0.5	< 1	0.03	0.55	0.1	< 10	17.2	0.10	0.01	0.26	0.02	39.0	1.3	10	0.15	3.8	1.17
600360	94059407	0.62	< 1	2.0	2	0.06	1.76	0.4	< 10	12.4	0.20	0.04	0.14	< 0.01	25.8	1.7	25	0.50	11.0	1.63
600361	94059407	1.04	< 1	< 0.5	< 1	0.04	0.70	< 0.1	< 10	21.6	0.10	0.03	0.21	0.02	39.9	1.6	8	0.50	6.4	0.86
600362	94059407	0.82	1	0.5	1	0.09	2.30	0.3	< 10	62.2	0.45	0.06	0.17	0.04	57.4	7.8	43	1.35	21.2	2.48

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 P.O. Number:
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %
600321	94059407	11.15	< 0.05	0.16	0.04	0.015	0.05	29.4	8.9	0.20	70	0.90	< 0.01	7.25	4.2	450	20.2	7.0	< 0.001	0.03
600322	94059407	5.30	< 0.05	0.18	0.05	0.020	0.07	20.6	11.3	0.26	80	0.60	0.01	4.05	8.2	1240	10.6	7.5	< 0.001	0.03
600323	94059407	3.10	< 0.05	0.08	0.01	0.010	0.08	37.4	8.0	0.18	75	0.50	0.01	2.30	8.4	900	7.8	8.0	< 0.001	0.01
600325	94059407	2.60	< 0.05	0.08	< 0.01	0.005	0.11	25.0	5.7	0.18	75	0.35	0.02	2.50	4.6	910	5.4	10.3	< 0.001	< 0.01
600326	94059407	9.20	< 0.05	0.10	0.03	0.020	0.06	17.0	8.3	0.24	95	0.40	0.01	5.10	7.0	580	12.6	6.6	< 0.001	0.02
600327	94059407	5.05	< 0.05	0.12	0.04	0.015	0.06	20.8	6.7	0.19	65	0.40	0.01	4.30	6.6	1070	7.0	6.3	< 0.001	0.02
600328	94059407	7.05	< 0.05	0.08	0.05	0.020	0.06	17.8	6.6	0.21	90	0.55	0.01	4.35	5.6	1280	10.6	5.8	< 0.001	0.02
600329	94059407	9.65	< 0.05	0.14	0.05	0.015	0.08	36.8	7.6	0.18	65	1.00	< 0.01	5.10	6.0	990	18.2	10.5	< 0.001	0.05
600330	94059407	4.80	< 0.05	0.08	0.01	0.015	0.04	19.6	5.8	0.15	65	0.30	0.01	3.60	3.6	900	7.8	4.2	< 0.001	0.01
600331	94059407	4.20	< 0.05	0.10	< 0.01	0.010	0.04	25.4	8.1	0.16	65	0.25	0.01	3.55	4.0	780	8.8	4.6	< 0.001	0.01
600332	94059407	5.40	< 0.05	0.08	0.01	0.015	0.10	20.8	12.0	0.32	110	0.60	0.01	3.85	11.0	660	11.0	11.3	< 0.001	0.01
600333	94059407	6.80	0.05	0.18	< 0.01	0.020	0.28	24.4	21.2	0.61	255	0.55	0.03	3.10	18.0	570	9.0	34.0	< 0.001	< 0.01
600334	94059407	6.85	0.05	0.10	0.01	0.015	0.13	19.8	13.6	0.37	110	1.05	0.01	4.10	14.6	570	12.8	14.2	< 0.001	0.01
600335	94059407	3.45	< 0.05	0.08	< 0.01	0.005	0.04	20.8	5.8	0.16	55	0.30	0.01	3.05	6.2	460	6.4	4.6	< 0.001	0.01
600336	94059407	2.70	< 0.05	0.08	0.02	0.010	0.03	23.4	4.5	0.12	45	0.20	0.01	2.70	3.2	690	5.8	3.3	< 0.001	0.01
600337	94059407	2.60	< 0.05	0.06	0.01	0.005	0.03	25.0	2.6	0.07	35	0.25	0.01	2.55	2.8	940	6.0	2.9	< 0.001	0.01
600338	94059407	4.90	< 0.05	0.08	0.01	0.010	0.03	28.4	5.3	0.12	60	0.35	< 0.01	3.45	3.8	980	9.4	4.0	< 0.001	0.01
600339	94059407	5.00	0.05	0.10	< 0.01	0.020	0.14	42.6	19.5	0.40	145	4.35	0.02	3.80	11.0	830	9.8	18.1	< 0.001	0.01
600340	94059407	6.45	< 0.05	0.08	0.01	0.015	0.04	21.6	3.2	0.11	55	0.55	0.01	3.65	3.4	560	9.2	4.2	< 0.001	0.01
600341	94059407	6.50	< 0.05	0.08	< 0.01	0.010	0.08	28.2	4.1	0.14	70	0.80	< 0.01	4.80	5.8	150	14.6	9.5	< 0.001	0.01
600342	94059407	6.15	< 0.05	0.12	0.01	0.025	0.10	23.2	12.3	0.43	160	0.30	0.01	4.50	8.6	1550	6.8	8.7	< 0.001	0.02
600343	94059407	2.50	< 0.05	0.06	0.01	0.010	0.03	24.8	7.7	0.17	85	0.20	0.01	3.00	4.0	970	6.8	3.8	< 0.001	0.01
600344	94059407	8.40	0.05	0.12	0.02	0.015	0.13	18.6	12.5	0.36	110	0.85	0.01	4.35	12.4	590	12.2	13.8	< 0.001	0.02
600345	94059407	3.30	< 0.05	0.08	< 0.01	0.010	0.05	26.6	6.6	0.16	65	0.35	0.01	3.20	6.2	530	7.2	5.0	< 0.001	0.01
600346	94059407	4.30	0.05	0.10	0.01	0.015	0.05	40.4	12.4	0.22	85	2.00	0.01	4.25	6.2	270	10.0	4.6	< 0.001	0.01
600347	94059407	4.75	0.05	0.12	< 0.01	0.015	0.05	43.8	12.8	0.23	95	2.15	0.01	4.65	6.8	270	10.8	5.1	< 0.001	0.02
600348	94059407	3.80	< 0.05	0.06	0.01	0.010	0.09	29.6	6.1	0.18	70	0.40	0.01	2.95	5.2	860	7.4	9.5	< 0.001	0.01
600349	94059407	11.20	0.05	0.10	0.01	0.025	0.25	29.0	26.3	0.59	275	7.60	0.02	6.05	12.4	630	15.4	41.0	< 0.001	0.03
600350	94059407	3.85	< 0.05	0.08	0.02	0.010	0.03	20.8	3.3	0.10	45	0.40	0.01	3.25	3.2	930	7.0	3.1	< 0.001	0.01
600351	94059407	2.65	< 0.05	0.04	0.01	0.005	0.03	27.0	2.2	0.09	40	0.35	0.01	2.05	3.6	920	5.2	3.4	< 0.001	0.01
600352	94059407	7.55	0.05	0.08	0.03	0.020	0.15	21.4	11.2	0.44	130	0.45	0.01	4.30	11.0	810	8.0	13.6	< 0.001	0.03
600353	94059407	6.90	< 0.05	0.08	0.03	0.015	0.06	20.6	6.4	0.22	70	0.25	< 0.01	3.65	4.0	740	7.4	6.1	< 0.001	0.02
600355	94059407	6.30	0.05	0.08	0.04	0.010	0.04	19.2	3.8	0.13	55	0.65	0.01	4.80	4.2	890	10.6	4.8	< 0.001	0.03
600356	94059407	3.75	0.05	0.12	< 0.01	0.015	0.18	37.8	12.0	0.28	110	0.55	0.01	3.95	6.2	1180	9.0	21.5	< 0.001	< 0.01
600357	94059407	5.55	< 0.05	0.08	0.03	0.015	0.04	18.4	5.3	0.15	50	0.30	< 0.01	4.30	4.8	830	6.8	4.8	< 0.001	0.01
600358	94059407	2.55	< 0.05	0.06	< 0.01	0.005	0.03	25.2	2.2	0.09	40	0.25	0.01	2.20	3.6	900	4.6	2.8	< 0.001	< 0.01
600359	94059407	2.50	< 0.05	0.02	< 0.01	0.005	0.02	20.6	1.6	0.07	35	0.75	0.01	2.15	3.2	1000	4.4	2.2	< 0.001	0.01
600360	94059407	5.05	< 0.05	0.06	0.04	0.010	0.03	13.8	5.6	0.14	40	0.80	0.01	3.55	5.4	700	8.0	2.9	< 0.001	0.03
600361	94059407	2.95	< 0.05	0.06	< 0.01	0.005	0.07	25.2	5.5	0.13	55	0.25	0.01	2.90	4.4	640	6.6	7.7	< 0.001	0.01
600362	94059407	6.05	0.05	0.08	0.01	0.020	0.11	37.2	22.1	0.40	140	0.55	0.01	4.40	22.6	630	10.2	13.9	< 0.001	0.01

CERTIFICATION: _____



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Page Numl : 4-C
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CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
600321	94059407	< 0.05	1.8	0.2	1.0	5.4	0.07	0.01	7.4	0.14	0.06	1.45	35	0.30	3.80	18	3.0
600322	94059407	< 0.05	2.3	0.2	0.8	8.2	0.07	0.02	5.0	0.10	0.08	1.10	33	0.60	6.25	24	2.0
600323	94059407	< 0.05	1.4	0.2	0.6	9.8	0.01	< 0.01	4.4	0.08	0.08	1.30	20	0.25	9.10	24	1.0
600325	94059407	< 0.05	1.2	< 0.2	0.6	10.4	< 0.01	< 0.01	4.2	0.07	0.08	0.85	18	0.25	7.00	14	2.0
600326	94059407	< 0.05	2.7	0.2	1.4	10.0	0.04	0.01	4.4	0.17	0.08	0.85	42	0.35	4.95	18	2.0
600327	94059407	< 0.05	2.2	0.6	1.0	9.8	0.07	0.03	4.4	0.10	0.06	1.10	24	0.30	6.95	12	2.0
600328	94059407	< 0.05	2.4	0.4	0.8	11.2	0.05	0.01	3.0	0.12	0.06	0.95	38	0.35	5.45	14	1.5
600329	94059407	< 0.05	2.1	0.8	1.4	6.2	0.06	0.03	5.8	0.12	0.10	5.75	30	0.30	7.10	8	1.5
600330	94059407	< 0.05	1.5	0.2	0.8	7.2	0.04	< 0.01	4.6	0.09	0.04	1.00	24	0.20	4.80	8	1.5
600331	94059407	< 0.05	1.8	0.2	0.8	9.6	0.04	0.03	6.6	0.08	0.06	1.95	20	0.15	7.10	8	2.5
600332	94059407	< 0.05	2.4	< 0.2	0.8	6.6	0.03	0.01	6.8	0.12	0.10	0.95	37	0.20	5.15	20	2.0
600333	94059407	< 0.05	4.1	< 0.2	1.0	14.4	< 0.01	0.01	6.0	0.16	0.18	0.90	45	0.20	6.40	42	5.0
600334	94059407	< 0.05	2.4	0.2	1.8	6.0	0.02	0.04	7.8	0.16	0.10	1.15	46	0.20	4.45	22	2.5
600335	94059407	< 0.05	1.3	0.2	0.8	6.8	0.01	< 0.01	4.0	0.08	0.06	1.00	19	0.10	4.65	6	1.5
600336	94059407	< 0.05	1.2	0.2	0.6	6.2	0.04	0.01	5.2	0.06	0.04	0.90	16	0.15	5.40	8	1.0
600337	94059407	< 0.05	1.1	0.2	0.4	6.2	0.04	0.01	5.2	0.05	0.02	0.85	16	0.05	6.85	2	0.5
600338	94059407	< 0.05	1.2	0.2	1.2	7.8	0.06	< 0.01	8.2	0.07	0.02	1.35	25	0.10	7.05	6	1.5
600339	94059407	< 0.05	3.1	0.2	1.0	18.0	< 0.01	0.01	10.6	0.13	0.12	1.40	59	0.25	9.30	30	3.0
600340	94059407	< 0.05	1.8	0.2	0.8	6.0	0.04	0.01	6.4	0.10	0.04	0.70	31	0.10	4.70	6	2.0
600341	94059407	< 0.05	1.7	< 0.2	2.4	9.0	0.01	< 0.01	5.0	0.25	0.06	0.90	57	0.05	3.85	4	2.0
600342	94059407	< 0.05	3.5	0.2	1.0	10.8	0.03	0.03	4.8	0.14	0.08	0.80	47	0.20	6.95	36	3.0
600343	94059407	< 0.05	1.3	< 0.2	0.8	9.4	0.03	0.01	5.8	0.06	0.02	1.25	17	0.05	7.65	18	1.5
600344	94059407	< 0.05	2.3	0.2	1.2	6.0	0.01	0.03	7.8	0.19	0.10	1.30	51	0.15	4.25	24	3.0
600345	94059407	< 0.05	1.4	0.2	0.6	8.0	0.01	0.01	5.4	0.09	0.06	1.15	21	0.05	5.90	8	2.0
600346	94059407	< 0.05	1.9	0.2	1.0	10.0	0.01	< 0.01	12.4	0.11	0.10	2.15	36	0.10	8.25	12	2.5
600347	94059407	< 0.05	2.2	0.2	1.0	11.0	0.02	0.01	14.2	0.12	0.10	2.55	38	0.05	8.75	14	2.5
600348	94059407	< 0.05	1.7	0.2	0.8	7.6	0.01	0.01	6.4	0.08	0.08	1.15	21	< 0.05	7.05	12	1.5
600349	94059407	< 0.05	3.2	0.2	3.0	25.0	< 0.01	0.03	8.4	0.23	0.18	2.30	80	0.25	6.00	40	3.0
600350	94059407	< 0.05	1.4	0.2	0.6	5.6	0.03	0.01	5.8	0.07	0.02	0.80	23	0.05	5.70	4	1.5
600351	94059407	< 0.05	0.9	0.2	0.4	7.2	0.01	0.02	3.4	0.05	0.02	0.80	18	0.05	7.10	2	0.5
600352	94059407	< 0.05	3.1	0.2	1.2	8.6	0.01	0.02	4.2	0.17	0.10	0.80	48	0.35	5.50	30	2.0
600353	94059407	< 0.05	2.2	0.2	1.0	6.4	0.03	< 0.01	2.6	0.14	0.08	0.55	36	0.05	5.05	14	1.5
600355	94059407	< 0.05	1.7	0.6	1.0	10.0	0.04	0.01	2.8	0.12	0.06	1.05	28	0.20	4.30	14	1.5
600356	94059407	< 0.05	2.2	0.2	0.8	11.2	< 0.01	0.01	7.8	0.11	0.18	3.65	20	0.05	10.05	26	3.0
600357	94059407	< 0.05	2.1	0.2	1.0	8.0	0.03	0.01	4.0	0.12	0.04	1.00	23	0.15	6.40	10	2.0
600358	94059407	< 0.05	0.8	0.2	0.6	7.8	< 0.01	0.01	3.6	0.06	0.02	0.65	20	0.05	6.85	6	0.5
600359	94059407	< 0.05	0.7	0.2	0.2	7.8	0.01	< 0.01	3.2	0.05	0.02	0.60	21	< 0.05	6.65	4	0.5
600360	94059407	< 0.05	1.3	0.6	0.6	5.4	0.04	0.01	4.4	0.09	0.02	1.90	24	0.05	4.15	8	1.0
600361	94059407	< 0.05	1.1	< 0.2	0.6	8.2	< 0.01	< 0.01	4.0	0.08	0.08	1.05	14	0.20	6.15	12	1.5
600362	94059407	< 0.05	3.3	0.2	1.0	8.2	0.01	0.03	7.6	0.14	0.16	1.95	36	0.05	7.85	34	2.0

CERTIFICATION: 



ALS Chemex

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Page Num: 5-A

Total Pages : 5

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CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		Kg	ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
600363	94059407	1.06	1	< 0.5	< 1	0.02	0.51	0.1	< 10	13.2	0.15	0.01	0.24	0.01	35.1	0.6	5	0.20	2.8	0.22
600364	94059407	0.98	1	< 0.5	< 1	0.03	1.09	0.2	< 10	29.0	0.25	0.03	0.25	0.03	60.6	2.6	13	0.50	13.4	1.38
600365	94059407	1.16	< 1	0.5	< 1	0.06	1.04	0.2	< 10	17.4	0.35	0.01	0.26	< 0.01	45.1	1.5	10	0.25	7.4	1.27
600366	94059407	0.92	< 1	0.5	< 1	0.03	0.72	0.1	< 10	11.6	0.15	0.01	0.29	0.02	42.3	1.8	8	0.20	6.8	1.07
600367	94059407	0.90	< 1	1.0	1	0.07	1.50	0.3	< 10	79.0	0.35	0.04	0.34	0.04	61.1	10.6	28	0.80	18.4	2.85
600368	94059407	1.06	< 1	0.5	< 1	0.06	1.29	0.1	< 10	60.0	0.30	0.03	0.33	0.03	70.5	5.8	24	0.65	14.4	3.60
600369	94059407	0.98	< 1	0.5	1	0.09	2.08	0.3	< 10	18.8	0.35	0.03	0.27	0.05	33.3	2.6	14	0.45	8.2	1.84
600370	94059407	0.90	< 1	< 0.5	< 1	0.06	0.73	0.1	< 10	10.0	0.10	0.01	0.27	0.03	40.8	1.5	10	0.10	5.6	1.33
600371	94059407	1.14	< 1	< 0.5	< 1	0.04	1.14	0.2	< 10	9.6	0.15	0.02	0.17	0.02	37.2	1.4	9	0.20	5.8	1.11
600373	94059407	0.66	1	1.5	10	0.15	2.16	0.7	< 10	70.0	0.30	0.15	0.24	0.04	37.9	10.3	313	1.40	144.0	5.73
600374	94059407	0.94	< 1	0.5	< 1	0.04	1.14	0.1	< 10	26.6	0.25	0.03	0.20	0.01	40.4	2.4	17	0.65	11.4	1.35
600375	94059407	1.00	< 1	< 0.5	< 1	0.06	1.53	0.1	< 10	12.2	0.30	0.02	0.12	0.01	37.9	1.3	10	0.30	6.6	1.30
600376	94059407	0.88	< 1	< 0.5	< 1	0.07	1.61	0.3	< 10	14.8	0.30	0.03	0.21	0.02	37.1	2.1	10	0.55	9.0	1.56
600377	94059407	1.18	< 1	< 0.5	< 1	0.04	1.38	0.1	< 10	14.0	0.35	0.03	0.23	0.01	45.5	1.7	10	0.25	6.0	1.16
600378	94059407	0.90	2	0.5	< 1	0.14	3.25	0.4	< 10	28.2	0.75	0.04	0.22	0.08	42.9	2.3	25	0.45	12.8	2.74
600379	94059407	1.14	1	< 0.5	< 1	0.10	2.47	0.1	< 10	43.8	0.60	0.03	0.26	0.05	41.9	3.5	18	0.65	10.2	2.06
600380	94059407	0.84	< 1	< 0.5	< 1	0.09	2.68	0.8	< 10	48.8	0.55	0.05	0.14	0.04	33.5	5.2	45	1.50	14.8	2.68
600381	94059407	0.56	< 1	< 0.5	< 1	0.08	0.89	0.3	< 10	50.4	0.20	0.06	0.18	0.09	44.8	5.8	12	0.55	10.2	2.66
600382	94059407	0.82	1	0.5	1	0.11	1.25	0.1	< 10	79.2	0.35	0.06	0.19	0.02	60.2	5.1	16	0.75	17.8	2.51
600383	94059407	0.90	1	< 0.5	< 1	0.05	1.14	0.1	< 10	22.4	0.15	0.01	0.24	0.03	46.0	1.9	11	0.40	10.0	1.32
600384	94059407	1.16	1	1.5	< 1	0.11	1.15	0.3	< 10	44.0	0.45	0.07	0.16	0.03	50.7	4.4	19	1.15	15.0	2.21
600385	94059407	1.06	1	1.5	1	0.07	1.88	2.1	< 10	112.8	0.35	0.08	0.43	0.02	59.6	13.4	54	2.25	28.0	3.42
600386	94059407	1.06	< 1	0.5	< 1	0.05	0.86	0.1	< 10	25.0	0.20	0.09	0.28	< 0.01	52.4	1.9	12	0.25	6.6	1.46
600387	94059407	0.96	< 1	0.5	< 1	0.09	1.82	0.2	< 10	17.8	0.40	0.03	0.18	0.03	50.6	2.0	15	0.30	4.6	2.30
600388	94059407	1.32	< 1	< 0.5	< 1	0.05	0.67	0.1	< 10	34.6	0.35	0.02	0.34	0.01	51.5	2.5	10	0.25	9.0	1.13
600389	94059407	1.06	< 1	< 0.5	< 1	0.04	1.34	0.1	< 10	17.2	0.30	0.01	0.26	0.01	43.2	1.6	11	0.20	7.6	1.42
600390	94059407	0.78	22	2.0	2	0.11	3.93	1.4	< 10	329.2	0.35	1.09	1.18	0.09	56.6	20.0	126	3.60	82.8	7.87
600391	94059407	0.98	< 1	< 0.5	< 1	0.07	1.56	0.1	< 10	21.4	0.35	0.03	0.22	0.03	40.7	1.7	15	0.50	7.2	1.32
600392	94059407	1.02	1	< 0.5	< 1	0.08	1.61	0.1	< 10	36.4	0.35	0.03	0.21	0.04	44.9	2.6	16	0.45	8.6	1.73
600393	94059407	0.92	< 1	< 0.5	< 1	0.07	1.62	0.2	< 10	13.0	0.35	0.03	0.16	0.05	43.1	1.8	10	0.30	4.6	1.90
600394	94059407	0.78	< 1	< 0.5	< 1	0.05	1.59	0.1	< 10	9.8	0.30	0.01	0.22	0.02	43.2	1.3	14	0.20	6.4	1.39
600395	94059407	1.00	< 1	< 0.5	< 1	0.06	1.37	< 0.1	< 10	11.8	0.20	0.01	0.20	0.01	43.3	0.8	8	0.20	4.2	1.04
600396	94059407	1.26	< 1	0.5	< 1	0.06	0.76	< 0.1	< 10	45.2	0.30	0.02	0.41	0.01	57.2	5.0	12	0.35	10.4	1.29
600397	94059407	1.10	8	1.5	2	0.09	3.16	0.3	< 10	20.0	0.80	0.04	0.20	0.03	42.5	2.9	21	0.35	8.6	2.38
600398	94059407	0.64	2	0.5	3	0.08	1.45	0.3	< 10	28.8	0.10	0.05	0.16	0.07	36.6	3.0	22	1.15	8.2	2.42
600399	94059407	1.10	1	1.0	1	0.15	3.10	0.2	< 10	148.2	0.50	0.11	0.14	0.21	39.3	3.1	51	2.00	52.6	4.21
600400	94059407	0.92	< 1	0.5	< 1	0.08	1.79	0.2	< 10	39.8	0.30	0.05	0.18	0.06	37.8	5.1	23	1.10	26.8	2.14

CERTIFICATION: _____



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Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY/KELLY MONIER

CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %			
600363	94059407	2.20	0.05	0.10 < 0.01	0.005	0.04	22.0	2.0	0.06	25	0.15	0.01	2.20	2.0	930	4.8	4.0 < 0.001	0.01					
600364	94059407	4.20 < 0.05	0.06 < 0.01	0.010	0.10	39.2	8.6	0.25	75	1.10	0.01	3.05	6.0	810	8.6	9.9 < 0.001	0.01						
600365	94059407	2.85 < 0.05	0.06 < 0.01	0.010	0.06	28.2	3.5	0.12	50	0.30	0.01	2.60	4.2	840	6.8	5.7 < 0.001	0.01						
600366	94059407	1.95 < 0.05	0.06 < 0.01	0.005	0.04	25.6	2.4	0.09	50	0.25	0.01	2.55	4.2	930	6.0	3.7 < 0.001	< 0.01						
600367	94059407	5.30	0.05	0.04	0.01	0.015	0.14	37.8	16.9	0.37	180	5.30	0.01	3.30	16.8	810	9.4	17.2 < 0.001	0.01				
600368	94059407	5.05	0.05	0.08 < 0.01	0.020	0.11	35.8	14.7	0.43	140	2.45	0.01	3.80	11.8	670	9.0	13.1 < 0.001	0.01					
600369	94059407	5.10 < 0.05	0.08	0.03	0.015	0.05	18.4	6.3	0.22	95	0.35	0.01	3.75	5.0	1110	6.8	4.6 < 0.001	0.01					
600370	94059407	2.25 < 0.05	0.06 < 0.01	0.005	0.02	25.6	1.7	0.07	40	0.30 < 0.01	2.10	3.6	910	5.8	1.9 < 0.001	< 0.01							
600371	94059407	2.90 < 0.05	0.06	0.01	0.005	0.03	19.6	2.6	0.08	40	0.30	0.01	2.45	3.0	640	5.8	3.4 < 0.001	0.01					
600373	94059407	6.75	0.10	0.04	0.01	0.020	0.20	24.8	13.5	0.72	115	11.00	0.02	3.85	37.0	700	10.8	15.3 < 0.001	0.09				
600374	94059407	3.70 < 0.05	0.06 < 0.01	0.015	0.06	25.8	6.1	0.19	75	0.35	0.01	3.25	7.4	550	8.0	7.2 < 0.001	0.01						
600375	94059407	3.95 < 0.05	0.06	0.01	0.010	0.03	20.2	3.1	0.08	40	0.35 < 0.01	2.80	2.8	500	7.0	4.9 < 0.001	0.01						
600376	94059407	5.05 < 0.05	0.08	0.02	0.015	0.04	23.0	6.7	0.17	65	0.35	0.01	3.80	4.0	720	9.6	4.8 < 0.001	0.01					
600377	94059407	2.50 < 0.05	0.04 < 0.01	0.005	0.04	29.4	3.0	0.09	45	0.35	0.01	2.45	3.8	840	6.4	4.1 < 0.001	0.01						
600378	94059407	7.10 < 0.05	0.40	0.08	0.025	0.05	22.0	6.0	0.17	70	0.85	0.01	6.60	5.4	1080	11.2	5.0 < 0.001	0.05					
600379	94059407	6.40 < 0.05	0.14	0.04	0.020	0.11	24.0	11.0	0.35	120	0.30	0.01	5.60	6.0	890	6.8	9.2 < 0.001	0.02					
600380	94059407	7.40 < 0.05	0.12	0.04	0.015	0.14	16.4	19.8	0.46	115	0.85	0.01	5.80	14.6	580	10.2	13.0 < 0.001	0.01					
600381	94059407	7.70	0.05	0.08	0.04	0.020	0.06	23.4	8.2	0.21	370	2.40	0.01	6.05	6.2	190	12.4	7.9 < 0.001	0.03				
600382	94059407	8.10	0.05	0.12	0.04	0.015	0.15	35.6	10.9	0.24	110	4.30	0.01	6.20	9.4	370	12.8	15.1 < 0.001	0.04				
600383	94059407	2.95 < 0.05	0.10	0.02	0.005	0.08	22.6	5.1	0.17	60	0.35	0.01	3.25	4.2	770	8.8	7.4 < 0.001	0.01					
600384	94059407	7.70	0.05	0.10	0.02	0.015	0.12	29.4	9.4	0.31	105	2.05	0.01	5.45	9.0	370	15.0	14.4 < 0.001	0.02				
600385	94059407	6.90	0.05	0.12	0.01	0.025	0.38	35.2	30.8	0.84	505	1.85	0.03	5.25	25.4	830	11.4	44.8 < 0.001	< 0.01				
600386	94059407	3.35 < 0.05	0.10	0.03	0.005	0.05	31.6	3.8	0.13	70	0.60	0.01	3.45	4.4	860	7.0	5.0 < 0.001	0.01					
600387	94059407	6.90 < 0.05	0.10	0.04	0.015	0.04	27.2	4.1	0.13	60	0.55	0.01	5.30	3.6	680	10.4	4.3 < 0.001	0.01					
600388	94059407	2.30 < 0.05	0.08 < 0.01	0.005	0.09	29.2	3.9	0.15	90	0.65	0.02	3.25	6.0	900	5.8	8.1 < 0.001	< 0.01						
600389	94059407	3.50 < 0.05	0.08	0.01	0.010	0.05	25.6	2.9	0.11	50	0.40	0.01	3.55	4.0	880	7.6	4.5 < 0.001	0.02					
600390	94059407	15.75	0.15	0.12	0.05	0.030	0.41	30.6	27.6	1.70	240	1.60	0.01	7.75	49.4	5390	11.2	24.1 < 0.001	0.06				
600391	94059407	2.95 < 0.05	0.10	0.01	0.010	0.04	24.4	7.1	0.15	55	0.20	0.01	3.60	5.2	780	8.0	4.1 < 0.001	0.01					
600392	94059407	4.05	0.05	0.10	0.03	0.015	0.06	27.2	7.6	0.17	60	0.75	0.01	3.90	6.2	700	11.0	6.4 < 0.001	0.02				
600393	94059407	5.50 < 0.05	0.10	0.03	0.010	0.03	20.4	4.6	0.12	55	0.35	0.01	4.55	3.6	860	9.6	3.4 < 0.001	0.01					
600394	94059407	3.10 < 0.05	0.08	0.03	0.010	0.02	21.6	2.9	0.08	35	0.35 < 0.01	3.30	2.8	840	7.8	2.3 < 0.001	0.01						
600395	94059407	2.75	0.05	0.08	0.02	0.005	0.02	22.0	2.0	0.06	25	0.30 < 0.01	2.85	2.0	790	6.4	2.5 < 0.001	0.02					
600396	94059407	2.70 < 0.05	0.10 < 0.01	0.010	0.12	34.4	7.1	0.23	165	1.25	0.02	3.35	7.2	1060	6.4	12.7 < 0.001	< 0.01						
600397	94059407	7.55 < 0.05	0.16	0.05	0.015	0.03	18.0	9.3	0.26	80	0.40	0.01	6.45	6.6	810	9.4	3.1 < 0.001	0.02					
600398	94059407	9.30	0.05	0.10	0.01	0.015	0.08	17.6	6.6	0.30	105	0.25	0.01	5.60	6.2	850	8.0	9.6 < 0.001	0.01				
600399	94059407	16.45	0.20	0.08	0.03	0.025	0.63	23.4	15.1	0.99	115	3.20	0.01	4.10	9.8	430	14.8	42.4 < 0.001	0.06				
600400	94059407	7.45 < 0.05	0.08	0.01	0.015	0.11	16.4	12.1	0.52	165	0.35	0.01	4.70	10.2	690	9.0	10.8 < 0.001	0.01					

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS A0122462

SAMPLE	PREP CODE	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
600363	94059407	< 0.05	0.7	< 0.2	0.4	6.6	0.01	< 0.01	3.4	0.06	0.04	0.75	5	0.05	6.20	8	1.5
600364	94059407	< 0.05	1.7	0.2	1.0	7.0	< 0.01	0.01	5.8	0.12	0.10	1.65	28	0.05	7.65	18	1.5
600365	94059407	< 0.05	1.3	0.2	1.4	7.6	0.01	0.01	5.6	0.07	0.06	0.90	21	< 0.05	7.60	10	1.0
600366	94059407	< 0.05	0.9	< 0.2	0.4	7.4	< 0.01	< 0.01	6.4	0.06	0.02	0.85	17	< 0.05	7.55	6	1.5
600367	94059407	< 0.05	2.4	0.2	1.0	16.0	< 0.01	0.02	7.8	0.13	0.16	1.45	43	0.60	8.05	46	1.5
600368	94059407	< 0.05	2.8	< 0.2	1.0	14.8	< 0.01	0.01	8.6	0.15	0.10	1.30	66	0.05	8.05	38	2.0
600369	94059407	< 0.05	2.3	0.4	0.8	9.2	0.03	0.01	4.2	0.12	0.04	0.70	31	0.10	5.60	16	1.5
600370	94059407	< 0.05	0.7	0.2	0.4	6.4	0.01	0.01	4.6	0.05	0.02	0.75	24	< 0.05	6.95	4	0.5
600371	94059407	< 0.05	1.0	0.2	0.4	4.8	< 0.01	0.01	4.6	0.06	0.02	0.70	18	< 0.05	5.00	14	1.0
600373	94059407	< 0.05	2.9	1.6	0.6	17.2	< 0.01	0.29	5.8	0.13	0.16	1.90	86	0.10	5.60	36	1.5
600374	94059407	< 0.05	1.7	0.2	0.6	8.2	< 0.01	< 0.01	4.2	0.10	0.08	1.05	22	< 0.05	6.00	16	1.5
600375	94059407	< 0.05	1.4	0.2	0.6	4.6	0.01	0.01	5.2	0.08	0.04	0.70	21	< 0.05	4.35	8	1.5
600376	94059407	< 0.05	1.7	0.2	0.8	7.6	0.03	< 0.01	6.0	0.11	0.04	2.00	26	< 0.05	6.05	12	2.0
600377	94059407	< 0.05	1.1	0.2	0.6	6.4	0.01	0.01	5.2	0.06	0.04	0.85	18	< 0.05	7.05	8	0.5
600378	94059407	< 0.05	3.6	0.8	0.6	11.4	0.12	< 0.01	4.8	0.13	0.06	1.15	37	0.20	6.30	14	2.0
600379	94059407	< 0.05	4.3	< 0.2	1.0	9.0	0.04	< 0.01	5.2	0.15	0.10	0.95	35	0.15	7.20	22	2.0
600380	94059407	< 0.05	4.6	0.2	0.8	5.6	0.02	0.03	5.8	0.18	0.12	1.10	53	0.10	5.10	28	2.5
600381	94059407	< 0.05	2.4	< 0.2	1.2	13.2	< 0.01	< 0.01	5.2	0.22	0.12	0.95	54	0.10	3.85	30	1.5
600382	94059407	< 0.05	2.9	0.2	1.4	15.8	< 0.01	0.01	5.6	0.19	0.14	1.80	50	0.10	5.45	22	2.0
600383	94059407	< 0.05	1.8	0.2	0.4	6.6	0.02	< 0.01	4.8	0.08	0.06	0.80	21	0.05	6.40	10	1.0
600384	94059407	< 0.05	2.5	0.2	1.2	10.8	0.01	0.01	5.8	0.18	0.12	1.45	50	0.15	4.85	22	1.5
600385	94059407	< 0.05	6.3	< 0.2	1.2	19.0	< 0.01	0.01	9.0	0.22	0.28	1.90	60	0.15	8.80	58	4.0
600386	94059407	< 0.05	1.7	0.2	0.6	8.8	0.01	< 0.01	6.0	0.08	0.06	0.90	27	0.05	7.75	12	1.0
600387	94059407	< 0.05	2.5	0.2	0.6	6.0	0.04	0.01	8.6	0.13	0.06	0.85	41	0.15	6.00	10	2.0
600388	94059407	< 0.05	2.1	< 0.2	0.6	9.4	< 0.01	< 0.01	7.0	0.08	0.06	0.80	21	0.05	7.65	12	2.0
600389	94059407	< 0.05	1.6	0.2	0.6	7.6	0.03	< 0.01	6.8	0.07	0.06	1.00	23	0.05	6.90	8	1.0
600390	94059407	0.05	6.7	0.6	2.0	60.6	0.06	0.15	6.6	0.48	0.26	1.65	167	0.40	8.50	54	2.0
600391	94059407	< 0.05	1.9	< 0.2	0.4	6.0	0.03	< 0.01	6.6	0.08	0.06	1.05	20	0.05	6.25	16	1.5
600392	94059407	< 0.05	2.1	0.2	0.6	9.2	0.02	0.01	5.2	0.10	0.08	1.10	24	0.05	6.25	22	1.0
600393	94059407	< 0.05	2.0	0.2	0.6	5.0	0.03	< 0.01	6.6	0.11	0.04	0.70	31	0.10	5.05	10	2.0
600394	94059407	< 0.05	1.9	0.2	0.4	5.0	0.04	< 0.01	6.8	0.06	0.04	0.95	21	< 0.05	6.45	4	1.5
600395	94059407	< 0.05	1.1	0.2	0.2	5.4	0.03	< 0.01	3.4	0.05	0.02	0.85	16	< 0.05	6.00	4	0.5
600396	94059407	< 0.05	2.4	< 0.2	0.6	11.6	< 0.01	< 0.01	7.8	0.09	0.14	1.05	24	< 0.05	8.75	20	3.5
600397	94059407	< 0.05	4.2	0.4	1.0	7.2	0.05	0.01	7.8	0.15	0.04	0.75	40	0.15	5.70	18	3.0
600398	94059407	< 0.05	3.5	< 0.2	1.2	7.0	0.03	< 0.01	4.8	0.24	0.08	0.55	55	0.05	3.80	20	2.5
600399	94059407	< 0.05	7.1	0.6	1.2	9.2	< 0.01	0.17	4.4	0.27	0.28	1.10	107	0.05	4.75	60	1.5
600400	94059407	< 0.05	3.5	0.2	1.0	6.8	0.01	0.01	2.6	0.20	0.10	0.55	45	0.05	3.95	32	1.5

CERTIFICATION: 

Appendix 7c

Humus Analysis Certificates

Descriptive Statistics - Humus Samples

	Valid N	Mean	Minimum	Maximum	Std.Dev.		Valid N	Mean	Minimum	Maximum	Std.Dev.
Humus US_SN	134		602101	609735		Humus ND_ppm	134	3.59	0.08	44.8	5.74
Weight (kg)	134	0.11	0	0.26	0.05	Humus NI_ppm	134	4.77	0.15	127.5	11.68
LOI_PCT	134	71.19	18.6	99.4	21.39	Humus PB_ppm	134	3.03	0.18	11.7	2.46
Humus AG_ppm	134	0.02	0	0.11	0.02	Humus PR_ppm	134	1.03	0.03	13.1	1.7
Humus AL_ppm	134	2609.3	91	11440	1961.74	Humus RB_ppm	134	1.58	0.22	5.61	1.16
Humus AS_ppm	134	0.26	-0.03	1.05	0.18	Humus SB_ppm	134	0	-0.01	0.02	0
Humus AU_ppm	134	-0.05	-0.05	-0.05	0	Humus SE_ppm	134	-0.03	-0.25	1.25	0.32
Humus BA_ppm	134	41.19	2	237	31.26	Humus SM_ppm	134	0.56	0.03	6.82	0.83
Humus BE_ppm	134	0.12	0	2.65	0.24	Humus SN_ppm	134	0.06	-0.05	0.25	0.08
Humus BI_ppm	134	0.01	-0.01	0.05	0.01	Humus SR_ppm	134	13.79	0.8	60.8	11.8
Humus BR_ppm	134	6.49	0.5	30.5	5.72	Humus TB_ppm	134	0.06	-0.01	0.73	0.09
Humus CA_ppm	134	1211.12	50	7130	1193.92	Humus TE_ppm	134	-0.05	-0.05	-0.05	0
Humus CD_ppm	134	0.29	0.02	1.71	0.25	Humus TH_ppm	134	0.54	0.01	7.65	0.83
Humus CE_ppm	134	8.76	0.17	81.8	13.54	Humus TI_ppm	134	4.35	-1	44	6.38
Humus CO_ppm	134	1.2	0.1	11.45	1.34	Humus TL_ppm	134	0.01	-0.01	0.12	0.01
Humus CR_ppm	134	1.88	-0.05	14.05	2.14	Humus TM_ppm	134	0.01	-0.01	0.15	0.02
Humus CS_ppm	134	0.02	-0.01	0.18	0.02	Humus U_ppm	134	0.24	-0.01	2.78	0.38
Humus CU_ppm	134	4.79	0.35	56	7.12	Humus V_ppm	134	0.91	0.1	6.9	0.92
Humus DY_ppm	134	0.3	0.01	3.47	0.41	Humus W_ppm	134	-0.01	-0.01	0.04	0.01
Humus ER_ppm	134	0.12	0.01	1.18	0.14	Humus YB_ppm	134	0.09	0.01	0.85	0.1
Humus EU_ppm	134	0.09	-0.01	0.98	0.13	Humus ZN_ppm	134	15.5	1.2	99.8	15.82
Humus FE_ppm	134	1587.91	-5	13280	1542.76	Humus ZR_ppm	134	0.29	-0.05	2.1	0.29
Humus GD_ppm	134	0.48	0.02	6.11	0.73	Humus B_ppm	134	-0.5	-0.5	-0.5	0
Humus I_ppm	134	2.22	0.3	9.2	1.76	Humus GA_ppm	134	0.53	-0.05	2.85	0.45
Humus K_ppm	134	219.4	10	875	148.22	Humus GE_ppm	134	-0.1	-0.1	-0.1	0
Humus LI_ppm	134	0.24	-0.05	2.8	0.48	Humus HF_ppm	134	0.01	-0.01	0.1	0.02
Humus LU_ppm	134	0.01	-0.01	0.12	0.02	Humus IN_ppm	134	0	-0.01	0.02	0.01
Humus MG_ppm	134	395.99	29	4460	585.86	Humus LA_ppm	134	4.88	0.06	59.3	8.21
Humus MN_ppm	134	22.78	-0.1	698	83.42	Humus RE_ppm	134	0	0	0	0
Humus MO_ppm	134	0.07	-0.01	0.46	0.07	Humus TA_ppm	134	0	-0.01	0.06	0.01
Humus NB_ppm	134	0.16	-0.01	0.88	0.17	Humus Y_ppm	134	1.25	0.05	13.9	1.61



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 7,
 Sparks, NV, U.S.A. 89431-5730
 PHONE: 775-356-5395
 FAX: 775-355-0179

WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, CO
 80112, USA

INVOICE NUMBER

I 0 1 2 0 4 6 9

BILLING INFORMATION

Date: 30-JUL-2001
 Project: QU7
 P.O. No.: MEDWMCQ7
 Account: GGH

Comments: ATTN: ANNETTE BURT

Billing: For analysis performed on
 Certificate A0120469

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS, INC.
 994 Glendale Ave., Unit 7,
 Sparks, NV USA 89431-5730

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
135	- Login - No Barcode	0.50		
	- Selective leach	22.00		
	- Selective leach	0.00		
1433	- Weight of received sample	0.00		
DRY-21	- Drying Charge DRY-21	1.00		
35	- LOI %: Loss on ignition at 550C	4.50	28.00	3780.00
Additional charges:				
1	BAT-01 - Batch processing fee	20.00		20.00
				Total Cost \$ 3800.00
				Client Discount (20%) \$ -760.00
TOTAL PAYABLE (U.S.) \$				3040.00

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paid
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 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 7,
 Sparks, NV, U.S.A. 89431-5730
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 994 Glendale Ave., Unit 7,
 Sparks, NV USA 89431-5730

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
135	- Login - No Barcode	0.50		
	- Selective leach	22.00		
	- Selective leach	0.00		
1433	- Weight of received sample	0.00		
DRY-21	- Drying Charge DRY-21	1.00		
35	- LOI %: Loss on ignition at 550C	4.50	28.00	3780.00
Additional charges:				
1	BAT-01 - Batch processing fee	20.00		20.00
Total Cost \$				3800.00
Client Discount (20%) \$				<u>-760.00</u>
TOTAL PAYABLE (U.S.) \$				3040.00



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 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

Tr WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

A0120469

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120469

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 24-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
225	135	Run as received
DRY-21	135	Drying Charge DRY-21
LOG-22	135	Samples received without barcode

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
1433	135	Weight of received sample	BALANCE	0.01	1000.0
35	135	LOI %: Loss on ignition at 550C	FURNACE	0.1	100.0
9001	135	Ag ppm: selective leach ICP-MS	ICP-MS	0.002	1000
9002	135	Al ppm: selective leach ICP-MS	ICP-MS	1	50000
9003	135	As ppm: selective leach ICP-MS	ICP-MS	0.025	1000.0
9004	135	Au ppm: selective leach ICP-MS	ICP-MS	0.05	1000
9005	135	Ba ppm: selective leach ICP-MS	ICP-MS	0.05	2000
9006	135	Be ppm: selective leach ICP-MS	ICP-MS	0.001	10000
9007	135	Bi ppm: selective leach ICP-MS	ICP-MS	0.005	100.0
9008	135	Br ppm: selective leach ICP-MS	ICP-MS	0.5	20000
9009	135	Ca ppm: selective leach ICP-MS	ICP-MS	10	100000
9010	135	Cd ppm: selective leach ICP-MS	ICP-MS	0.01	100.0
9011	135	Ce ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9013	135	Co ppm: selective leach ICP-MS	ICP-MS	0.05	250
9014	135	Cr ppm: selective leach ICP-MS	ICP-MS	0.05	10000
9015	135	Cs ppm: selective leach ICP-MS	ICP-MS	0.005	100.0
9016	135	Cu ppm: selective leach ICP-MS	ICP-MS	0.05	2000
9017	135	Dy ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9018	135	Er ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9019	135	Eu ppm: selective leach ICP-MS	ICP-MS	0.005	500
9020	135	Fe ppm: selective leach ICP-MS	ICP-MS	5	100000
9021	135	Gd ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9022	135	Hg ppm: selective leach ICP-MS	ICP-MS	0.1	5000
9023	135	Ho ppm: selective leach ICP-MS	ICP-MS	0.005	250
9024	135	I ppm: selective leach ICP-MS	ICP-MS	0.1	50000
9025	135	K ppm: selective leach ICP-MS	ICP-MS	5	100000
9026	135	Li ppm: selective leach ICP-MS	ICP-MS	0.05	1000
9027	135	Lu ppm: selective leach ICP-MS	ICP-MS	0.005	250
9028	135	Mg ppm: selective leach ICP-MS	ICP-MS	1	100000
9029	135	Mn ppm: selective leach ICP-MS	ICP-MS	0.1	5000
9030	135	Mo ppm: selective leach ICP-MS	ICP-MS	0.01	1000
9031	0	Na ppm: selective leach ICP-MS	ICP-MS	10	100000
9032	135	Nb ppm: selective leach ICP-MS	ICP-MS	0.01	250
9033	135	Nd ppm: selective leach ICP-MS	ICP-MS	0.005	1000
9034	135	Ni ppm: selective leach ICP-MS	ICP-MS	0.05	1000
9035	0	P ppm: selective leach ICP-MS	ICP-MS	5	50000
9036	135	Pb ppm: selective leach ICP-MS	ICP-MS	0.01	5000

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



ALS Chemex

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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

A0120469

Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE

A0120469

(GGH) - WESTERN MINING CORP.

Project: QU7
 P.O. #: MEDWMCQ7

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 24-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
225	135	Run as received
DRY-21	135	Drying Charge DRY-21
LOG-22	135	Samples received without barcode

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
9037	135	Fr ppm: selective leach	ICP-MS	0.005	250
9038	135	Rb ppm: selective leach	ICP-MS	0.01	250
9039	135	Sb ppm: selective leach	ICP-MS	0.005	250
9040	135	Se ppm: selective leach	ICP-MS	0.25	5000
9041	135	Sm ppm: selective leach	ICP-MS	0.005	1000
9042	135	Sn ppm: selective leach	ICP-MS	0.05	1000
9043	135	Sr ppm: selective leach	ICP-MS	0.05	500
9044	135	Tb ppm: selective leach	ICP-MS	0.005	250
9045	135	Te ppm: selective leach	ICP-MS	0.05	1000
9046	135	Th ppm: selective leach	ICP-MS	0.01	250
9047	135	Ti ppm: selective leach	ICP-MS	1	10000
9048	135	Tl ppm: selective leach	ICP-MS	0.005	250
9049	135	Tm ppm: selective leach	ICP-MS	0.005	250
9050	135	U ppm: selective leach	ICP-MS	0.005	100.0
9051	135	V ppm: selective leach	ICP-MS	0.05	1000
9052	135	W ppm: selective leach	ICP-MS	0.01	1000
9053	135	Yb ppm: selective leach	ICP-MS	0.005	250
9054	135	Zn ppm: selective leach	ICP-MS	0.2	2500
9055	135	Zr ppm: selective leach	ICP-MS	0.05	500
9056	135	B ppm: selective leach	ICP-MS	0.5	1000
9057	135	Ga ppm: selective leach	ICP-MS	0.05	1000
9058	135	Ge ppm: selective leach	ICP-MS	0.1	1000
9059	135	Hf ppm: selective leach	ICP-MS	0.01	1000
9060	135	In ppm: selective leach	ICP-MS	0.005	1000
9061	135	La ppm: selective leach	ICP-MS	0.005	1000
9062	135	Re ppm: selective leach	ICP-MS	0.001	1000
9063	135	Ta ppm: selective leach	ICP-MS	0.01	1000
9064	135	Y ppm: selective leach	ICP-MS	0.005	1000
8037	135	pH: pH of leach solution	POTENTIOMETER	0.1	14.0

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519



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WESTERN MINING CORP.

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 ENGLEWOOD, COLORADO
 80112

Page Num: 1-A
 Total Page: 4
 Certificate: 24-JUL-2001
 Invoice No: I0120469
 P.O. Number: MEDWMC07
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
602101	225 296	0.14	96.3	0.014	1495	0.225	< 0.05	50.3	0.179	0.005	2.0	1500	0.16	2.16	1.15
602102	225 296	0.10	39.0	0.008	2220	0.225	< 0.05	23.0	0.058	0.005	5.0	280	0.11	4.51	0.30
602105	225 296	0.10	72.1	0.042	5330	0.150	< 0.05	36.1	0.230	0.010	10.0	730	0.38	25.1	1.10
602106	225 296	0.08	78.1	< 0.002	2580	0.325	< 0.05	40.1	0.275	0.010	4.0	380	0.49	2.62	0.65
602107	225 296	0.08	75.8	0.018	3270	0.450	< 0.05	41.8	0.068	0.020	6.5	1200	0.42	2.54	1.95
602109	225 296	0.12	40.0	< 0.002	1005	0.150	< 0.05	18.60	0.023	0.005	0.5	240	0.12	1.050	0.15
602111	225 296	0.10	66.2	0.020	3470	0.400	< 0.05	43.9	0.073	0.020	6.5	740	0.18	6.29	0.90
602112	225 296	0.12	41.0	0.008	1900	0.075	< 0.05	13.85	0.064	0.010	2.0	270	0.17	3.80	0.25
602113	225 296	0.12	67.5	0.004	3320	0.500	< 0.05	8.20	0.015	0.030	11.5	450	0.20	1.515	0.85
602114	225 296	0.24	83.5	0.040	11440	0.150	< 0.05	127.5	0.249	0.005	29.5	2390	0.04	66.5	2.60
602115	225 296	0.08	46.5	0.008	2710	0.300	< 0.05	8.05	0.020	0.015	6.0	110	0.09	1.830	0.70
602116	225 296	0.08	79.0	0.046	2360	0.175	< 0.05	55.6	0.138	0.015	3.5	540	0.34	4.16	0.40
602117	225 296	0.10	76.9	0.010	2560	0.125	< 0.05	37.5	0.094	0.015	3.0	70	0.22	2.69	0.30
602118	225 296	0.06	97.5	< 0.002	228	0.100	< 0.05	17.40	0.007	< 0.005	3.5	1320	0.76	0.250	0.15
602119	225 296	0.10	35.4	0.012	1575	0.125	< 0.05	11.55	0.042	0.005	3.0	420	0.09	2.18	0.30
602120	225 296	0.16	43.8	0.026	3080	0.175	< 0.05	30.1	0.134	0.005	10.0	580	0.21	13.60	1.30
602121	225 296	0.08	84.6	0.008	2460	0.225	< 0.05	22.5	0.089	0.005	3.5	1180	1.18	4.21	1.50
602122	225 296	0.16	75.6	0.026	4440	0.300	< 0.05	87.7	0.241	0.010	6.0	1490	0.52	30.1	2.05
602123	225 296	0.08	79.0	< 0.002	3650	0.100	< 0.05	9.40	0.074	0.010	1.0	90	0.02	4.02	0.55
602124	225 296	0.08	94.9	< 0.002	493	0.150	< 0.05	37.8	0.009	< 0.005	6.0	1600	0.29	0.620	0.30
602125	225 296	0.10	62.8	0.018	5670	0.200	< 0.05	38.6	0.177	0.015	8.5	170	0.15	22.8	1.45
602126	225 296	0.14	66.9	0.010	1705	0.175	< 0.05	42.0	0.027	< 0.005	1.5	2050	0.16	0.810	1.10
602127	225 296	0.06	49.6	0.010	986	0.150	< 0.05	58.0	0.048	0.005	1.5	2730	0.25	2.44	0.75
602128	225 296	0.08	77.0	0.040	3860	0.300	< 0.05	60.1	0.243	0.025	7.5	660	0.38	3.60	1.30
602130	225 296	0.18	87.3	< 0.002	1495	0.125	< 0.05	18.60	0.013	< 0.005	3.0	3010	0.19	1.930	0.85
602131	225 296	0.04	28.1	0.002	1980	0.175	< 0.05	6.25	0.015	0.010	4.5	300	0.16	1.880	0.35
602132	225 296	0.14	86.9	0.030	2800	0.375	< 0.05	104.5	0.113	0.020	5.0	3580	1.10	3.79	1.30
602133	225 296	0.20	25.2	0.004	2770	0.150	< 0.05	11.85	0.073	0.005	7.0	210	0.02	4.21	0.60
602134	225 296	0.10	40.8	0.034	2460	0.300	< 0.05	36.3	0.074	0.015	5.0	1070	0.30	4.74	0.90
602135	225 296	0.12	18.6	0.022	4570	0.150	< 0.05	12.20	0.018	0.005	7.5	640	0.09	1.995	1.20
602136	225 296	0.06	88.7	< 0.002	345	0.075	< 0.05	28.8	0.024	< 0.005	3.5	2080	0.47	1.010	0.25
602137	225 296	0.08	91.6	0.024	698	0.225	< 0.05	31.8	0.034	0.005	1.0	1500	0.43	2.74	0.45
602138	225 296	0.10	43.1	0.034	2940	0.375	< 0.05	35.3	0.105	0.015	6.5	600	0.15	16.00	0.45
602139	225 296	0.10	73.0	0.010	542	0.075	< 0.05	28.2	0.010	< 0.005	1.0	880	0.09	0.335	0.10
602140	225 296	0.16	34.6	0.006	3830	0.125	< 0.05	8.20	0.024	0.005	6.0	470	0.08	1.050	0.70
602141	225 296	0.08	70.8	0.008	2340	0.200	< 0.05	18.85	0.146	0.010	4.5	210	0.14	6.48	1.55
602142	225 296	0.08	89.3	0.010	1150	0.725	< 0.05	29.1	0.044	0.010	1.5	680	0.38	1.195	0.20
602144	225 296	0.20	62.2	< 0.002	1475	0.100	< 0.05	2.70	0.005	< 0.005	3.0	160	0.03	0.640	0.60
602145	225 296	0.08	94.2	0.044	7370	0.550	< 0.05	43.0	0.216	0.020	17.5	580	0.15	41.8	2.50
602146	225 296	0.10	90.2	0.030	1990	0.325	< 0.05	54.9	0.096	0.015	4.0	320	0.28	7.89	0.70

CERTIFICATION: 



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Page Num: 1-B
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Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Cr ppm ICP-MS	Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS
602101	225	296	0.30	0.060	1.45	0.090	0.030	0.025	2160	0.145	< 0.1	0.015	1.1	290	0.05	0.005
602102	225	296	2.75	0.010	1.20	0.205	0.090	0.055	2430	0.320	< 0.1	0.035	1.5	145	0.30	0.010
602105	225	296	0.90	0.015	7.50	0.830	0.320	0.280	1975	1.330	< 0.1	0.120	4.5	110	0.70	0.025
602106	225	296	0.80	0.020	1.40	0.100	0.040	0.025	705	0.130	< 0.1	0.015	1.7	325	0.35	< 0.005
602107	225	296	1.00	0.015	3.35	0.180	0.085	0.070	1765	0.240	< 0.1	0.030	2.3	325	0.10	0.005
602109	225	296	0.50	0.005	0.90	0.055	0.025	0.015	720	0.065	< 0.1	0.005	0.3	305	< 0.05	< 0.005
602111	225	296	0.90	0.010	2.80	0.470	0.225	0.135	2290	0.650	< 0.1	0.080	2.5	545	< 0.05	0.025
602112	225	296	1.30	0.010	5.45	0.120	0.050	0.035	950	0.180	< 0.1	0.015	1.4	180	< 0.05	< 0.005
602113	225	296	1.60	< 0.005	2.10	0.135	0.070	0.030	3630	0.170	< 0.1	0.025	3.3	175	< 0.05	0.005
602114	225	296	3.10	0.015	10.90	2.04	0.730	0.720	4560	3.56	< 0.1	0.295	9.2	75	1.05	0.070
602115	225	296	1.95	0.015	2.40	0.140	0.055	0.040	3160	0.165	< 0.1	0.025	2.7	140	< 0.05	0.005
602116	225	296	2.00	0.030	5.10	0.135	0.050	0.045	1320	0.195	< 0.1	0.020	1.7	195	0.30	0.005
602117	225	296	1.15	0.010	4.45	0.100	0.045	0.035	875	0.125	< 0.1	0.015	1.4	190	0.20	< 0.005
602118	225	296	< 0.05	0.030	0.35	0.015	0.005	< 0.005	< 5	0.025	< 0.1	< 0.005	0.5	395	< 0.05	< 0.005
602119	225	296	2.40	0.010	1.75	0.105	0.035	0.030	725	0.140	< 0.1	0.015	1.4	180	< 0.05	< 0.005
602120	225	296	2.65	0.035	17.45	0.540	0.215	0.170	2720	0.820	< 0.1	0.085	3.4	130	0.40	0.020
602121	225	296	0.10	0.055	1.80	0.180	0.095	0.065	760	0.295	< 0.1	0.030	0.6	670	0.05	0.010
602122	225	296	1.65	0.005	10.35	0.930	0.375	0.325	2720	1.520	< 0.1	0.135	1.6	170	0.35	0.040
602123	225	296	0.90	< 0.005	0.90	0.105	0.035	0.030	2150	0.175	< 0.1	0.015	0.8	205	0.50	< 0.005
602124	225	296	0.30	0.030	1.15	0.025	0.015	0.005	200	0.045	< 0.1	< 0.005	1.3	340	< 0.05	< 0.005
602125	225	296	0.70	0.030	2.35	0.740	0.270	0.240	2380	1.190	< 0.1	0.105	3.5	175	0.05	0.025
602126	225	296	0.35	0.005	0.50	0.045	0.025	0.010	705	0.065	< 0.1	0.005	0.8	275	< 0.05	< 0.005
602127	225	296	2.85	0.005	2.60	0.095	0.035	0.035	855	0.145	< 0.1	0.015	1.2	260	0.10	0.005
602128	225	296	1.90	0.005	6.40	0.210	0.110	0.075	1775	0.255	< 0.1	0.040	3.7	165	0.35	0.015
602130	225	296	1.05	0.005	2.05	0.170	0.090	0.045	990	0.210	< 0.1	0.030	1.1	170	< 0.05	0.010
602131	225	296	0.80	0.005	1.90	0.105	0.040	0.030	1765	0.130	< 0.1	0.020	1.3	175	0.05	< 0.005
602132	225	296	0.70	0.020	2.65	0.250	0.130	0.075	1870	0.350	< 0.1	0.045	2.1	300	0.05	0.020
602133	225	296	7.45	0.015	2.50	0.260	0.100	0.080	2650	0.355	< 0.1	0.040	1.5	55	0.15	0.010
602134	225	296	1.20	0.025	1.20	0.175	0.070	0.055	1300	0.290	< 0.1	0.025	1.6	455	0.20	0.005
602135	225	296	1.95	0.015	5.40	0.165	0.070	0.060	3380	0.185	< 0.1	0.030	3.3	75	< 0.05	0.005
602136	225	296	< 0.05	0.020	0.80	0.040	0.015	0.010	< 5	0.065	< 0.1	0.005	0.6	520	< 0.05	< 0.005
602137	225	296	0.15	0.050	0.70	0.080	0.035	0.025	530	0.140	< 0.1	0.015	0.4	395	< 0.05	< 0.005
602138	225	296	4.00	0.015	2.30	0.400	0.125	0.100	2260	0.785	< 0.1	0.050	4.0	190	1.10	0.015
602139	225	296	2.25	0.015	0.85	0.015	0.005	< 0.005	195	0.020	< 0.1	< 0.005	0.5	95	< 0.05	< 0.005
602140	225	296	4.20	0.020	2.10	0.085	0.045	0.035	3460	0.115	< 0.1	0.015	2.5	180	0.05	0.005
602141	225	296	4.10	0.015	3.85	0.160	0.055	0.050	965	0.260	< 0.1	0.025	1.1	90	0.25	0.005
602142	225	296	0.15	0.025	1.05	0.090	0.050	0.015	500	0.110	< 0.1	0.015	0.6	465	< 0.05	0.005
602144	225	296	0.75	0.005	2.00	0.065	0.030	0.020	1895	0.070	< 0.1	0.005	0.9	25	< 0.05	< 0.005
602145	225	296	0.80	0.020	4.15	0.740	0.185	0.250	2020	1.600	< 0.1	0.085	3.1	340	1.20	0.020
602146	225	296	0.40	0.015	1.00	0.205	0.085	0.060	915	0.380	< 0.1	0.030	1.0	465	0.25	0.005

CERTIFICATION: _____



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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
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Page Num : 1-C
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Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Mg ppm	Mn ppm	Mo ppm	Na ppm	Nb ppm	Nd ppm	Ni ppm	P ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Se ppm	Sm ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602101	225	296	247	1.7	0.04	-----	0.05	1.035	1.80	-----	2.71	0.280	2.45	< 0.005	0.25	0.180
602102	225	296	66	2.5	0.11	-----	0.79	2.12	0.95	-----	0.85	0.550	0.53	< 0.005	0.25	0.370
602105	225	296	103	< 0.1	0.03	-----	0.17	10.40	3.40	-----	1.34	2.90	0.71	0.010	< 0.25	1.495
602106	225	296	220	7.1	0.04	-----	0.06	0.830	1.35	-----	3.97	0.275	2.53	< 0.005	0.25	0.140
602107	225	296	393	2.9	0.08	-----	0.05	1.250	4.90	-----	5.89	0.325	1.60	0.005	0.25	0.240
602109	225	296	70	9.8	0.04	-----	0.11	0.380	0.30	-----	2.47	0.110	1.97	< 0.005	0.25	0.075
602111	225	296	286	10.7	0.06	-----	0.16	3.47	2.20	-----	2.83	0.825	3.05	0.005	< 0.25	0.730
602112	225	296	74	1.3	0.01	-----	0.17	1.370	1.40	-----	2.30	0.415	0.81	< 0.005	< 0.25	0.205
602113	225	296	353	16.9	0.07	-----	0.13	0.765	5.00	-----	5.37	0.185	0.96	0.005	0.25	0.155
602114	225	296	427	5.7	0.17	-----	0.22	27.9	6.90	-----	0.81	7.95	0.46	0.005	0.25	4.06
602115	225	296	93	11.6	0.05	-----	0.15	0.825	3.20	-----	2.12	0.205	0.64	0.005	< 0.25	0.150
602116	225	296	151	< 0.1	0.01	-----	0.11	1.490	1.70	-----	1.79	0.445	2.01	< 0.005	0.25	0.240
602117	225	296	44	0.6	0.03	-----	0.09	0.985	1.40	-----	2.71	0.290	1.42	< 0.005	< 0.25	0.160
602118	225	296	451	2.8	< 0.01	-----	< 0.01	0.125	0.20	-----	4.18	0.035	2.30	< 0.005	< 0.25	0.030
602119	225	296	92	< 0.1	0.04	-----	0.18	0.895	1.10	-----	0.97	0.245	0.93	< 0.005	< 0.25	0.165
602120	225	296	91	1.7	0.11	-----	0.42	5.79	3.65	-----	1.70	1.560	1.36	< 0.005	< 0.25	0.925
602121	225	296	375	13.9	0.04	-----	0.01	1.945	1.60	-----	11.55	0.515	5.61	< 0.005	< 0.25	0.330
602122	225	296	136	2.3	0.05	-----	0.12	12.55	3.65	-----	2.52	3.68	1.08	< 0.005	0.25	1.870
602123	225	296	48	6.0	< 0.01	-----	0.05	1.395	1.00	-----	1.96	0.425	0.53	< 0.005	< 0.25	0.205
602124	225	296	512	48.4	< 0.01	-----	0.03	0.295	0.40	-----	2.98	0.075	2.09	< 0.005	< 0.25	0.070
602125	225	296	58	< 0.1	0.07	-----	0.24	9.26	2.25	-----	1.04	2.55	1.68	0.005	< 0.25	1.395
602126	225	296	636	0.5	0.04	-----	0.03	0.365	1.10	-----	2.03	0.100	1.38	< 0.005	< 0.25	0.090
602127	225	296	296	105.5	0.04	-----	0.08	1.045	1.45	-----	2.88	0.285	1.14	0.010	0.25	0.205
602128	225	296	130	0.5	0.06	-----	0.12	1.580	7.60	-----	2.82	0.425	1.33	< 0.005	< 0.25	0.305
602130	225	296	1520	33.3	0.09	-----	0.04	1.115	2.45	-----	1.25	0.275	0.78	< 0.005	< 0.25	0.225
602131	225	296	118	8.9	0.04	-----	0.16	0.800	1.65	-----	2.50	0.220	0.68	0.005	< 0.25	0.150
602132	225	296	366	< 0.1	0.13	-----	0.09	2.04	9.85	-----	3.28	0.520	3.15	0.005	0.50	0.400
602133	225	296	124	0.8	0.06	-----	0.57	1.985	2.30	-----	1.67	0.515	0.47	< 0.005	< 0.25	0.360
602134	225	296	336	10.0	0.11	-----	0.14	2.12	0.85	-----	4.28	0.575	3.27	0.005	< 0.25	0.340
602135	225	296	140	2.1	0.05	-----	0.08	0.950	7.75	-----	0.65	0.230	0.45	0.005	< 0.25	0.180
602136	225	296	570	57.6	0.01	-----	< 0.01	0.545	0.50	-----	6.58	0.140	2.06	< 0.005	< 0.25	0.100
602137	225	296	483	7.5	0.08	-----	0.02	1.260	0.50	-----	7.72	0.340	2.91	< 0.005	< 0.25	0.185
602138	225	296	169	5.7	0.05	-----	0.30	6.61	2.10	-----	2.24	1.840	1.00	< 0.005	< 0.25	0.935
602139	225	296	182	30.0	0.01	-----	0.06	0.125	0.50	-----	0.38	0.035	0.76	< 0.005	< 0.25	0.035
602140	225	296	438	13.9	0.05	-----	0.07	0.515	3.85	-----	0.89	0.125	1.42	< 0.005	< 0.25	0.110
602141	225	296	44	1.6	0.05	-----	0.35	2.22	8.00	-----	1.64	0.685	0.48	< 0.005	< 0.25	0.305
602142	225	296	156	116.0	0.05	-----	0.06	0.605	0.35	-----	4.14	0.160	3.26	< 0.005	0.50	0.125
602144	225	296	90	11.4	0.01	-----	< 0.01	0.350	2.45	-----	0.18	0.085	0.22	< 0.005	< 0.25	0.065
602145	225	296	175	10.4	0.07	-----	0.07	14.75	4.05	-----	7.34	4.61	3.01	< 0.005	0.25	1.935
602146	225	296	172	4.1	0.11	-----	0.04	3.31	1.20	-----	7.41	0.940	2.30	< 0.005	0.25	0.475

CERTIFICATION: _____



ALS Chemex

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T: WESTERN MINING CORP.

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CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Sn ppm	Sr ppm	Tb ppm	Te ppm	Th ppm	Ti ppm	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Yb ppm	Zn ppm	Zr ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602101	225	296	< 0.05	29.3	0.015	< 0.05	0.18	12	0.015	< 0.005	0.100	0.80	< 0.01	0.030	21.0	0.15
602102	225	296	< 0.05	5.15	0.040	< 0.05	0.35	< 1	0.005	0.005	0.175	3.25	0.01	0.070	2.4	< 0.05
602105	225	296	0.15	9.10	0.165	< 0.05	0.43	8	< 0.005	0.045	0.100	0.70	< 0.01	0.240	14.0	0.40
602106	225	296	0.15	9.95	0.020	< 0.05	0.34	9	0.010	0.005	0.075	0.45	< 0.01	0.030	16.8	0.25
602107	225	296	0.10	18.55	0.035	< 0.05	0.15	4	0.005	0.010	0.050	0.75	< 0.01	0.065	7.6	0.30
602109	225	296	0.05	3.15	0.005	< 0.05	0.14	4	0.005	< 0.005	0.030	0.70	0.01	0.015	11.8	< 0.05
602111	225	296	0.15	6.60	0.095	< 0.05	0.25	3	0.015	0.030	0.110	0.80	< 0.01	0.175	6.4	0.20
602112	225	296	0.10	3.80	0.025	< 0.05	0.39	10	< 0.005	< 0.005	0.165	0.65	< 0.01	0.040	9.4	0.35
602113	225	296	0.15	3.20	0.025	< 0.05	0.16	8	< 0.005	0.005	0.030	1.05	< 0.01	0.045	5.0	0.30
602114	225	296	< 0.05	16.25	0.465	< 0.05	1.57	2	0.020	0.090	0.815	1.65	0.01	0.525	1.2	0.60
602115	225	296	0.05	0.80	0.025	< 0.05	0.16	5	0.005	0.005	0.040	1.35	< 0.01	0.050	2.4	0.25
602116	225	296	0.15	10.45	0.025	< 0.05	0.30	< 1	0.005	0.005	0.065	0.75	< 0.01	0.045	40.8	0.35
602117	225	296	0.10	4.80	0.020	< 0.05	0.54	9	< 0.005	0.005	0.115	0.40	0.02	0.035	7.2	0.05
602118	225	296	0.05	14.15	< 0.005	< 0.05	0.21	13	0.010	< 0.005	0.015	0.15	< 0.01	0.005	13.4	0.15
602119	225	296	0.10	3.25	0.020	< 0.05	0.35	8	< 0.005	0.005	0.140	0.60	< 0.01	0.030	2.8	0.35
602120	225	296	0.05	4.75	0.110	< 0.05	0.89	< 1	0.015	0.025	0.380	2.20	0.01	0.150	5.4	0.45
602121	225	296	0.05	10.00	0.040	< 0.05	0.11	5	0.010	0.010	0.045	0.35	< 0.01	0.075	36.6	0.10
602122	225	296	0.05	23.3	0.185	< 0.05	0.84	< 1	0.005	0.045	0.280	0.50	0.01	0.275	18.4	0.05
602123	225	296	< 0.05	2.55	0.020	< 0.05	0.16	44	0.005	0.005	0.210	0.20	< 0.01	0.025	2.4	< 0.05
602124	225	296	0.05	9.55	0.005	< 0.05	0.09	14	0.015	< 0.005	0.020	0.20	< 0.01	0.015	25.8	0.15
602125	225	296	0.10	5.40	0.150	< 0.05	0.43	2	0.010	0.035	0.180	1.40	< 0.01	0.195	2.0	0.45
602126	225	296	< 0.05	14.95	0.005	< 0.05	0.10	11	0.005	< 0.005	0.025	0.35	< 0.01	0.015	17.0	0.10
602127	225	296	0.10	18.50	0.020	< 0.05	0.31	8	0.015	0.005	0.045	0.70	< 0.01	0.030	22.6	0.25
602128	225	296	0.10	14.10	0.040	< 0.05	0.58	3	< 0.005	0.015	0.200	0.60	< 0.01	0.100	9.0	0.45
602130	225	296	0.05	18.55	0.030	< 0.05	0.12	14	< 0.005	0.010	0.040	0.50	< 0.01	0.080	14.4	0.20
602131	225	296	0.05	2.00	0.020	< 0.05	0.17	14	< 0.005	0.005	0.035	1.10	< 0.01	0.030	5.8	0.10
602132	225	296	0.05	25.8	0.045	< 0.05	0.44	4	0.010	0.020	0.280	0.55	< 0.01	0.135	56.4	0.35
602133	225	296	0.15	2.05	0.050	< 0.05	0.56	< 1	0.010	0.015	0.165	6.90	0.01	0.085	2.8	0.75
602134	225	296	0.20	11.75	0.040	< 0.05	0.32	8	0.020	0.010	0.260	0.65	< 0.01	0.060	20.2	0.20
602135	225	296	< 0.05	4.65	0.030	< 0.05	0.15	8	< 0.005	0.005	0.065	0.90	< 0.01	0.055	2.0	0.30
602136	225	296	0.05	14.50	0.005	< 0.05	0.03	7	0.005	< 0.005	0.065	0.15	< 0.01	0.020	45.0	0.05
602137	225	296	0.20	12.00	0.020	< 0.05	0.10	12	0.020	< 0.005	0.110	0.40	< 0.01	0.030	53.0	0.10
602138	225	296	0.15	5.90	0.090	< 0.05	1.45	< 1	0.005	0.015	0.520	0.65	< 0.01	0.100	11.8	0.40
602139	225	296	< 0.05	6.80	< 0.005	< 0.05	0.08	6	0.005	< 0.005	0.015	0.60	< 0.01	0.005	11.8	0.05
602140	225	296	0.05	2.75	0.015	< 0.05	0.11	9	< 0.005	0.005	0.040	3.05	< 0.01	0.035	4.4	0.50
602141	225	296	0.05	3.95	0.035	< 0.05	0.97	< 1	0.010	0.005	0.235	1.30	0.01	0.045	3.6	0.45
602142	225	296	0.15	7.70	0.015	< 0.05	0.11	4	0.005	0.005	0.165	0.30	0.01	0.045	24.6	< 0.05
602144	225	296	< 0.05	1.05	0.010	< 0.05	0.03	13	< 0.005	< 0.005	0.005	0.45	< 0.01	0.020	1.4	0.05
602145	225	296	0.05	12.70	0.175	< 0.05	0.65	4	0.030	0.020	0.530	0.55	< 0.01	0.140	17.8	0.15
602146	225	296	0.20	10.50	0.045	< 0.05	0.48	< 1	0.025	0.010	0.530	0.55	0.01	0.070	13.4	< 0.05

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

T. WESTERN MINING CORP.

008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numbr : 1-E
 Total Page : 4
 Certificate L : 24-JUL-2001
 Invoice No. : 10120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		B ppm	Ga ppm	Ge ppm	Hf ppm	In ppm	La ppm	Re ppm	Ta ppm	Y ppm	Leach				
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	pH				
602101	225	296	< 0.5	0.10	< 0.1	0.01	0.005	1.100	< 0.001	< 0.01	0.375	7.9				
602102	225	296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	2.24	< 0.001	0.03	0.925	8.9				
602105	225	296	< 0.5	0.85	< 0.1	0.02	0.005	12.55	< 0.001	< 0.01	3.38	8.2				
602106	225	296	< 0.5	0.05	< 0.1	0.01	0.005	1.745	< 0.001	< 0.01	0.515	8.5				
602107	225	296	< 0.5	0.40	< 0.1	0.01	0.005	1.160	< 0.001	< 0.01	0.855	8.5				
602109	225	296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.475	< 0.001	< 0.01	0.215	9.0				
602111	225	296	< 0.5	0.60	< 0.1	0.01	0.005	2.87	< 0.001	< 0.01	2.00	8.6				
602112	225	296	< 0.5	0.25	< 0.1	0.01	< 0.005	1.900	< 0.001	0.01	0.475	8.7				
602113	225	296	< 0.5	0.50	< 0.1	0.01	0.005	0.635	< 0.001	< 0.01	0.620	8.6				
602114	225	296	< 0.5	1.00	< 0.1	0.05	0.005	37.2	< 0.001	0.01	8.25	9.2				
602115	225	296	< 0.5	0.75	< 0.1	0.01	< 0.005	0.800	< 0.001	< 0.01	0.580	9.1				
602116	225	296	< 0.5	0.25	< 0.1	0.01	0.005	2.10	< 0.001	< 0.01	0.565	8.2				
602117	225	296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	1.400	< 0.001	< 0.01	0.460	8.4				
602118	225	296	< 0.5	0.10	< 0.1	< 0.01	< 0.005	0.140	< 0.001	< 0.01	0.070	8.4				
602119	225	296	< 0.5	0.20	< 0.1	0.03	< 0.005	1.110	< 0.001	< 0.01	0.400	8.9				
602120	225	296	< 0.5	1.05	< 0.1	0.02	0.005	6.98	< 0.001	0.03	2.21	8.8				
602121	225	296	< 0.5	0.50	< 0.1	< 0.01	0.005	2.17	< 0.001	< 0.01	0.890	8.7				
602122	225	296	< 0.5	0.25	< 0.1	0.01	< 0.005	16.35	< 0.001	< 0.01	4.16	8.8				
602123	225	296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	2.24	< 0.001	< 0.01	0.430	8.6				
602124	225	296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	0.285	< 0.001	< 0.01	0.125	8.2				
602125	225	296	< 0.5	1.20	< 0.1	0.02	0.005	11.50	< 0.001	0.01	2.80	8.2				
602126	225	296	< 0.5	0.25	< 0.1	< 0.01	< 0.005	0.400	< 0.001	< 0.01	0.215	8.3				
602127	225	296	< 0.5	0.20	< 0.1	< 0.01	< 0.005	1.270	< 0.001	< 0.01	0.430	8.7				
602128	225	296	< 0.5	0.30	< 0.1	0.02	0.005	1.565	< 0.001	< 0.01	0.980	8.1				
602130	225	296	< 0.5	0.20	< 0.1	0.01	< 0.005	0.975	< 0.001	< 0.01	0.870	8.4				
602131	225	296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.955	< 0.001	< 0.01	0.425	9.1				
602132	225	296	< 0.5	0.25	< 0.1	0.01	0.005	1.960	< 0.001	< 0.01	1.285	8.5				
602133	225	296	< 0.5	2.85	< 0.1	0.04	0.005	2.03	< 0.001	0.04	1.010	9.7				
602134	225	296	< 0.5	0.30	< 0.1	< 0.01	0.005	2.38	< 0.001	< 0.01	0.730	8.5				
602135	225	296	< 0.5	0.85	< 0.1	0.02	< 0.005	0.910	< 0.001	< 0.01	0.690	9.4				
602136	225	296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	0.490	< 0.001	< 0.01	0.170	8.3				
602137	225	296	< 0.5	0.20	< 0.1	0.01	0.005	1.315	< 0.001	< 0.01	0.345	8.7				
602138	225	296	< 0.5	0.55	< 0.1	0.01	0.005	8.28	< 0.001	0.02	1.290	8.8				
602139	225	296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	0.195	< 0.001	< 0.01	0.050	9.0				
602140	225	296	< 0.5	1.00	< 0.1	0.01	< 0.005	0.485	< 0.001	< 0.01	0.390	9.6				
602141	225	296	< 0.5	0.40	< 0.1	0.01	< 0.005	3.89	< 0.001	0.03	0.670	9.1				
602142	225	296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.540	< 0.001	< 0.01	0.490	8.6				
602144	225	296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.265	< 0.001	< 0.01	0.240	10.0				
602145	225	296	< 0.5	0.45	< 0.1	0.01	0.005	24.0	< 0.001	< 0.01	2.38	8.7				
602146	225	296	< 0.5	< 0.05	< 0.1	< 0.01	0.005	3.83	< 0.001	< 0.01	0.820	8.6				

CERTIFICATION: _____



ALS Chemex

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To: WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 2-A
 Total Page : 4
 Certificate : 24-JUL-2001
 Invoice No. : IO120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
602147	225 296	0.10	78.4	0.010	825	0.150	< 0.05	34.7	0.029	< 0.005	1.5	820	0.16	0.690	0.15
602148	225 296	0.12	94.3	0.010	982	0.225	< 0.05	36.4	0.059	0.005	2.0	1350	0.22	5.34	0.55
602149	225 296	0.08	52.2	< 0.002	1655	0.225	< 0.05	2.00	0.018	0.025	3.0	50	0.05	1.400	1.50
602151	225 296	0.12	59.1	0.020	2210	0.200	< 0.05	6.60	0.007	0.005	8.5	310	0.09	0.745	0.55
602152	225 296	0.12	74.5	0.054	2940	0.125	< 0.05	36.9	0.331	0.015	5.5	400	0.43	0.895	0.60
602153	225 296	0.06	46.8	0.046	3730	0.175	< 0.05	41.2	0.199	0.005	8.5	420	0.28	21.1	1.60
602154	225 296	0.12	32.8	0.012	1450	0.075	< 0.05	46.9	0.046	< 0.005	3.5	2480	0.15	3.59	0.35
602158	225 296	0.16	77.9	0.010	5280	0.225	< 0.05	74.2	0.138	0.020	9.0	210	0.15	12.95	2.20
602159	225 296	0.10	97.2	< 0.002	606	0.050	< 0.05	42.8	0.013	< 0.005	0.5	430	0.12	0.470	0.20
602161	225 296	0.06	91.7	< 0.002	337	0.175	< 0.05	20.4	0.001	< 0.005	1.5	2110	0.33	0.525	0.45
602162	225 296	0.12	71.9	0.044	4490	0.475	< 0.05	33.9	0.403	0.020	12.0	280	0.12	32.2	1.75
602163	225 296	0.12	81.7	0.002	2550	0.200	< 0.05	8.85	0.015	0.005	4.0	800	0.17	1.510	1.70
602164	225 296	0.12	27.5	0.008	1755	0.325	< 0.05	16.85	0.051	0.005	7.5	350	0.09	7.58	0.35
602165	225 296	0.12	33.6	0.010	1440	0.225	< 0.05	16.50	0.027	< 0.005	2.5	610	0.12	2.05	0.20
602166	225 296	0.20	89.4	0.006	3370	< 0.025	< 0.05	106.0	0.053	< 0.005	6.5	7130	0.09	6.70	6.15
602167	225 296	0.18	69.3	0.026	6830	0.200	< 0.05	17.75	0.339	0.005	18.5	290	0.05	55.6	1.05
602168	225 296	0.12	53.7	0.018	813	0.175	< 0.05	46.5	0.057	0.005	2.0	1570	0.24	7.36	0.30
602170	225 296	0.12	61.1	0.030	5490	0.275	< 0.05	13.30	0.112	0.015	12.0	50	0.21	5.18	1.20
602171	225 296	0.08	77.8	0.032	2160	0.275	< 0.05	50.3	0.037	0.015	5.0	970	0.20	2.83	0.80
602172	225 296	0.06	97.3	0.006	1630	0.150	< 0.05	45.0	0.104	< 0.005	3.5	1860	0.17	0.565	0.35
602173	225 296	0.12	61.8	0.022	253	0.550	< 0.05	68.3	0.421	0.035	6.0	540	0.52	6.60	0.50
602174	225 296	0.12	58.8	0.022	2770	0.250	< 0.05	31.0	0.153	0.010	5.0	570	0.22	7.41	0.40
602176	225 296	0.10	82.2	0.010	3280	0.325	< 0.05	10.60	0.030	0.015	10.0	130	0.16	3.20	0.70
602177	225 296	0.12	37.2	0.060	1940	0.225	< 0.05	16.10	0.109	0.005	5.5	350	0.21	9.87	0.70
602178	225 296	0.10	65.2	0.020	2900	0.325	< 0.05	26.3	0.134	0.015	6.0	480	0.15	12.90	0.35
602179	225 296	0.10	51.4	0.032	2210	0.150	< 0.05	57.2	0.223	0.015	5.0	1280	0.31	12.30	0.90
602180	225 296	0.14	90.3	0.002	1505	0.075	< 0.05	73.7	0.089	< 0.005	5.0	2440	0.85	10.45	2.90
602181	225 296	0.10	96.2	< 0.002	897	0.075	< 0.05	30.3	0.044	< 0.005	2.0	2380	0.17	2.13	1.60
602182	225 296	0.14	39.4	0.012	2100	0.075	< 0.05	51.8	0.097	0.010	3.0	630	0.18	14.80	0.50
602184	225 296	0.08	74.9	0.026	952	0.175	< 0.05	62.7	0.038	0.005	1.5	1670	0.30	1.225	0.35
602185	225 296	0.08	85.4	0.024	4160	0.325	< 0.05	44.5	0.127	0.015	7.5	3070	0.62	16.60	2.95
602186	225 296	0.12	81.3	0.024	2380	0.350	< 0.05	27.9	0.155	0.010	4.5	1020	0.25	16.00	0.70
602187	225 296	0.12	53.1	0.020	1350	0.225	< 0.05	33.6	0.047	0.005	2.0	930	0.18	2.95	0.40
602188	225 296	0.08	46.5	0.008	2510	0.275	< 0.05	32.2	0.081	0.010	2.5	320	0.30	1.745	0.50
602189	225 296	0.18	72.3	0.004	4340	0.325	< 0.05	42.0	0.070	0.015	9.0	760	0.13	3.25	1.55
602190	225 296	0.10	73.8	0.010	2980	0.500	< 0.05	21.9	0.021	0.025	17.5	270	0.34	1.975	0.60
602191	225 296	0.12	73.2	0.050	5030	1.050	< 0.05	34.6	0.255	0.040	15.0	50	0.11	19.70	1.45
602192	225 296	0.10	96.6	0.010	1415	0.200	< 0.05	53.5	0.023	< 0.005	3.0	2330	0.74	1.605	1.75
602193	225 296	0.10	99.4	0.002	91	0.075	< 0.05	33.8	0.001	< 0.005	1.0	770	0.11	0.170	0.10
602195	225 296	0.10	58.5	0.002	638	0.125	< 0.05	35.6	0.030	0.010	0.5	660	0.19	0.735	0.20

CERTIFICATION: _____



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Page Num: 2-B
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 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Cr ppm	Cs ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe ppm	Gd ppm	Hg ppm	Ho ppm	I ppm	K ppm	Li ppm	Lu ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602147	225	296	0.35	0.045	0.50	0.025	0.010	0.005	120	0.040	< 0.1	< 0.005	0.4	195	< 0.05	< 0.005
602148	225	296	0.20	0.020	1.05	0.180	0.075	0.070	550	0.310	< 0.1	0.030	0.6	260	< 0.05	0.005
602149	225	296	0.95	< 0.005	1.10	0.160	0.080	0.025	2070	0.160	< 0.1	0.030	0.7	140	0.65	0.005
602151	225	296	1.15	0.005	1.65	0.070	0.035	0.025	1310	0.085	< 0.1	0.015	1.8	80	< 0.05	< 0.005
602152	225	296	8.20	0.035	7.55	0.050	0.020	0.030	625	0.055	< 0.1	0.005	2.8	170	0.85	< 0.005
602153	225	296	2.50	0.015	9.40	0.615	0.220	0.235	1185	1.065	< 0.1	0.090	3.8	50	< 0.05	0.025
602154	225	296	3.10	0.010	2.90	0.100	0.035	0.025	1090	0.145	< 0.1	0.015	2.0	95	< 0.05	0.005
602158	225	296	2.10	< 0.005	5.45	0.495	0.235	0.160	3370	0.745	< 0.1	0.080	4.9	100	0.25	0.025
602159	225	296	0.05	< 0.005	0.40	0.025	0.010	0.005	110	0.035	< 0.1	< 0.005	0.4	195	< 0.05	< 0.005
602161	225	296	0.05	0.015	0.75	0.035	0.015	0.005	< 5	0.045	< 0.1	0.005	0.4	200	< 0.05	< 0.005
602162	225	296	2.45	0.025	5.50	0.735	0.225	0.220	2690	1.225	< 0.1	0.095	5.9	90	0.05	0.020
602163	225	296	2.10	0.010	1.95	0.135	0.060	0.035	3310	0.170	< 0.1	0.025	1.4	145	< 0.05	0.005
602164	225	296	2.95	0.010	3.25	0.245	0.100	0.055	1810	0.385	< 0.1	0.040	2.0	110	0.15	0.010
602165	225	296	1.15	< 0.005	0.80	0.085	0.040	0.035	1115	0.140	< 0.1	0.015	1.0	170	< 0.05	< 0.005
602166	225	296	0.25	< 0.005	5.60	0.435	0.230	0.135	1205	0.535	< 0.1	0.075	1.5	70	0.05	0.030
602167	225	296	11.75	0.015	34.3	0.930	0.265	0.245	2930	1.855	< 0.1	0.115	5.5	35	0.20	0.030
602168	225	296	0.60	0.020	2.45	0.235	0.080	0.040	310	0.345	< 0.1	0.030	0.8	225	< 0.05	0.005
602170	225	296	2.60	0.025	16.40	0.280	0.110	0.095	4250	0.335	< 0.1	0.045	5.0	50	0.95	0.005
602171	225	296	1.95	0.015	10.80	0.155	0.065	0.050	1710	0.210	< 0.1	0.020	3.1	240	< 0.05	0.005
602172	225	296	0.05	0.020	0.35	0.025	0.010	0.005	< 5	0.035	< 0.1	< 0.005	0.7	240	< 0.05	< 0.005
602173	225	296	1.90	0.040	5.80	0.245	0.105	0.065	< 5	0.350	< 0.1	0.040	3.6	10	0.95	0.010
602174	225	296	0.90	0.020	4.45	0.255	0.105	0.085	1050	0.415	< 0.1	0.040	1.9	80	0.90	0.005
602176	225	296	14.05	< 0.005	6.65	0.260	0.135	0.075	2750	0.315	< 0.1	0.045	4.5	160	< 0.05	0.015
602177	225	296	3.50	0.015	11.40	0.265	0.100	0.105	1605	0.520	< 0.1	0.040	2.2	85	< 0.05	0.005
602178	225	296	1.40	0.020	2.50	0.360	0.110	0.100	1820	0.585	< 0.1	0.050	3.1	295	< 0.05	0.010
602179	225	296	2.80	0.035	4.70	0.395	0.135	0.070	890	0.615	< 0.1	0.055	3.4	175	0.40	0.015
602180	225	296	2.05	0.015	1.25	0.165	0.055	0.045	605	0.315	< 0.1	0.020	2.6	80	< 0.05	0.005
602181	225	296	< 0.05	0.020	0.90	0.100	0.065	0.030	640	0.175	< 0.1	0.020	0.4	875	< 0.05	0.005
602182	225	296	3.40	0.015	4.95	0.285	0.090	0.085	1155	0.565	< 0.1	0.035	1.5	55	0.05	0.005
602184	225	296	0.55	0.025	1.60	0.055	0.030	0.025	380	0.095	< 0.1	0.005	1.1	275	< 0.05	< 0.005
602185	225	296	2.35	< 0.005	21.1	0.620	0.225	0.180	2180	0.935	< 0.1	0.095	3.7	215	0.15	0.025
602186	225	296	2.30	0.005	1.50	0.455	0.160	0.160	2000	0.840	< 0.1	0.065	1.9	335	< 0.05	0.015
602187	225	296	2.60	0.015	1.80	0.070	0.025	0.020	825	0.115	< 0.1	0.010	0.9	130	0.05	< 0.005
602188	225	296	2.95	0.005	2.45	0.085	0.040	0.020	985	0.130	< 0.1	0.015	1.1	215	0.30	< 0.005
602189	225	296	5.70	0.005	7.45	0.195	0.090	0.075	3740	0.255	< 0.1	0.035	4.4	130	0.45	0.010
602190	225	296	2.25	0.010	7.65	0.125	0.060	0.030	2530	0.130	< 0.1	0.020	5.1	135	< 0.05	< 0.005
602191	225	296	2.30	0.005	4.00	0.530	0.185	0.160	1950	0.850	< 0.1	0.075	4.6	285	0.90	0.020
602192	225	296	0.05	0.010	0.50	0.090	0.040	0.025	280	0.135	< 0.1	0.015	0.6	260	< 0.05	0.005
602193	225	296	< 0.05	0.020	0.75	0.010	0.005	< 0.005	< 5	0.015	< 0.1	< 0.005	0.3	150	< 0.05	< 0.005
602195	225	296	3.15	0.025	1.95	0.030	0.015	0.005	575	0.040	< 0.1	< 0.005	0.6	215	< 0.05	< 0.005

CERTIFICATION: _____



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Chemex Labs, Inc.
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 994 Glendale Ave., Unit 3, Sparks 89431
 Nevada, U.S.A.
 PHONE: 775-356-5395 FAX: 775-355-0179

Tr. WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number: 2-C
 Total Page: 4
 Certificate: 24-JUL-2001
 Invoice No.: I0120469
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Mg ppm	Mn ppm	No ppm	Na ppm	Nb ppm	Nd ppm	Ni ppm	P ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Se ppm	Sm ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602147	225	296	187	42.9	< 0.01	-----	0.02	0.275	0.35	-----	1.33	0.075	2.07	< 0.005	0.25	0.055
602148	225	296	205	1.4	0.05	-----	0.01	2.44	0.45	-----	2.10	0.690	1.87	< 0.005	0.25	0.385
602149	225	296	82	5.2	< 0.01	-----	0.01	0.715	1.20	-----	2.13	0.175	0.66	< 0.005	< 0.25	0.155
602151	225	296	133	3.9	0.04	-----	0.13	0.385	2.25	-----	0.89	0.090	0.45	< 0.005	< 0.25	0.080
602152	225	296	147	50.2	0.03	-----	0.77	0.335	5.55	-----	1.81	0.095	1.20	< 0.005	< 0.25	0.070
602153	225	296	65	0.3	0.05	-----	0.28	8.30	10.55	-----	1.42	2.37	0.36	< 0.005	< 0.25	1.235
602154	225	296	364	< 0.1	0.03	-----	0.25	1.190	1.65	-----	0.86	0.375	0.43	< 0.005	< 0.25	0.205
602158	225	296	162	2.5	0.07	-----	0.20	5.18	6.90	-----	2.05	1.410	0.35	< 0.005	0.25	0.825
602159	225	296	105	18.2	< 0.01	-----	< 0.01	0.215	0.15	-----	1.13	0.055	1.30	< 0.005	< 0.25	0.055
602161	225	296	543	6.9	< 0.01	-----	< 0.01	0.260	0.75	-----	3.29	0.065	1.52	< 0.005	< 0.25	0.060
602162	225	296	84	< 0.1	0.10	-----	0.28	10.75	6.85	-----	2.89	3.26	0.63	< 0.005	0.25	1.470
602163	225	296	960	17.1	0.06	-----	0.11	0.760	4.95	-----	0.81	0.175	0.63	< 0.005	< 0.25	0.160
602164	225	296	33	3.2	0.07	-----	0.51	2.71	1.55	-----	1.40	0.790	0.68	< 0.005	0.25	0.435
602165	225	296	100	25.4	0.02	-----	0.21	0.860	0.40	-----	0.98	0.225	0.63	< 0.005	< 0.25	0.165
602166	225	296	2150	< 0.1	0.05	-----	0.01	3.50	9.40	-----	0.34	0.870	0.42	< 0.005	< 0.25	0.645
602167	225	296	64	< 0.1	0.08	-----	0.46	17.70	6.75	-----	2.45	5.58	0.28	< 0.005	0.50	2.15
602168	225	296	253	59.7	0.02	-----	0.05	2.57	0.50	-----	4.40	0.785	2.32	< 0.005	< 0.25	0.390
602170	225	296	96	0.1	0.08	-----	0.19	2.04	11.40	-----	1.93	0.595	0.48	< 0.005	0.25	0.355
602171	225	296	198	1.3	0.05	-----	0.23	1.205	5.30	-----	1.57	0.325	1.86	< 0.005	< 0.25	0.245
602172	225	296	931	21.3	< 0.01	-----	0.01	0.240	0.35	-----	0.55	0.070	1.89	< 0.005	< 0.25	0.070
602173	225	296	161	< 0.1	0.05	-----	0.36	2.44	3.90	-----	4.52	0.720	1.81	< 0.005	< 0.25	0.400
602174	225	296	67	0.3	0.01	-----	0.12	2.87	1.40	-----	1.59	0.830	0.83	< 0.005	0.50	0.450
602176	225	296	304	1.3	0.03	-----	0.09	1.560	6.90	-----	2.13	0.395	0.61	< 0.005	< 0.25	0.310
602177	225	296	99	0.8	0.07	-----	0.52	4.00	5.85	-----	1.38	1.145	0.65	< 0.005	< 0.25	0.600
602178	225	296	126	10.6	0.04	-----	0.34	4.70	1.60	-----	5.01	1.375	1.27	< 0.005	< 0.25	0.710
602179	225	296	254	1.3	0.06	-----	0.16	4.45	4.05	-----	2.78	1.405	1.28	< 0.005	< 0.25	0.730
602180	225	296	737	< 0.1	0.11	-----	0.12	2.64	9.65	-----	0.46	0.900	0.59	< 0.005	< 0.25	0.325
602181	225	296	1635	5.9	0.04	-----	< 0.01	1.065	1.40	-----	11.70	0.255	4.42	< 0.005	< 0.25	0.185
602182	225	296	62	6.3	0.03	-----	0.26	5.45	3.05	-----	1.22	1.675	0.39	< 0.005	0.25	0.695
602184	225	296	423	51.2	0.03	-----	0.07	0.600	0.80	-----	3.52	0.145	2.07	< 0.005	< 0.25	0.150
602185	225	296	769	2.1	0.11	-----	0.12	6.35	31.7	-----	2.57	1.880	1.13	0.005	< 0.25	1.010
602186	225	296	219	7.0	0.06	-----	0.19	6.30	1.50	-----	2.57	1.805	1.90	0.005	< 0.25	0.995
602187	225	296	121	9.9	0.03	-----	0.13	1.055	1.25	-----	1.03	0.315	0.90	< 0.005	0.25	0.155
602188	225	296	114	3.0	0.02	-----	0.10	0.780	2.00	-----	1.53	0.210	0.96	< 0.005	0.50	0.150
602189	225	296	380	12.3	0.08	-----	0.18	1.425	8.50	-----	1.58	0.385	0.92	< 0.005	< 0.25	0.275
602190	225	296	137	< 0.1	0.04	-----	0.10	0.750	4.45	-----	1.86	0.220	1.03	< 0.005	0.25	0.145
602191	225	296	45	0.5	0.12	-----	0.22	7.36	3.60	-----	3.50	2.24	1.12	0.005	0.75	1.045
602192	225	296	720	0.7	0.02	-----	0.01	0.765	0.60	-----	2.76	0.190	1.56	< 0.005	< 0.25	0.160
602193	225	296	62	2.3	< 0.01	-----	< 0.01	0.075	0.20	-----	1.93	0.025	0.88	< 0.005	< 0.25	0.035
602195	225	296	109	42.8	0.06	-----	0.06	0.310	1.25	-----	2.58	0.085	0.96	< 0.005	0.25	0.065

CERTIFICATION: _____ +



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CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Sn ppm ICP-MS	Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Tm ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS
602147	225 296	0.05	16.15	< 0.005	< 0.05	0.11	4	0.005	< 0.005	0.030	0.20	< 0.01	0.010	33.4	< 0.05
602148	225 296	0.05	19.05	0.040	< 0.05	0.22	7	0.005	0.010	0.085	0.45	0.01	0.060	22.2	< 0.05
602149	225 296	0.05	0.85	0.025	< 0.05	0.04	22	0.005	0.005	0.005	0.40	< 0.01	0.045	2.8	< 0.05
602151	225 296	< 0.05	1.85	0.010	< 0.05	0.09	< 1	< 0.005	< 0.005	0.015	1.30	< 0.01	0.025	9.4	0.20
602152	225 296	0.25	7.85	0.005	< 0.05	0.80	< 1	0.005	< 0.005	0.225	0.65	< 0.01	0.020	42.8	0.50
602153	225 296	0.05	7.50	0.135	< 0.05	0.90	4	0.010	0.030	0.700	0.80	< 0.01	0.170	2.2	0.35
602154	225 296	0.05	20.5	0.020	< 0.05	0.79	1	< 0.005	< 0.005	0.055	0.60	< 0.01	0.030	25.6	0.30
602158	225 296	0.05	8.10	0.095	< 0.05	1.05	10	< 0.005	0.030	0.715	0.65	< 0.01	0.185	2.6	0.50
602159	225 296	0.05	10.45	< 0.005	< 0.05	0.06	15	< 0.005	< 0.005	0.015	0.20	< 0.01	0.005	22.8	< 0.05
602161	225 296	< 0.05	10.50	0.005	< 0.05	0.04	15	0.005	< 0.005	0.010	0.10	< 0.01	0.020	13.8	0.05
602162	225 296	0.10	9.70	0.160	< 0.05	0.96	7	0.005	0.025	0.875	1.20	< 0.01	0.160	2.4	0.40
602163	225 296	< 0.05	5.10	0.025	< 0.05	0.12	4	< 0.005	0.005	0.020	2.10	< 0.01	0.045	9.6	0.30
602164	225 296	0.05	3.65	0.050	< 0.05	2.29	< 1	0.005	0.015	0.915	0.95	0.02	0.070	1.6	< 0.05
602165	225 296	0.05	3.80	0.020	< 0.05	0.20	7	< 0.005	0.005	0.025	1.05	< 0.01	0.030	4.6	0.20
602166	225 296	< 0.05	43.3	0.080	< 0.05	0.17	11	0.005	0.030	0.225	0.30	< 0.01	0.220	1.6	0.15
602167	225 296	0.05	4.05	0.220	< 0.05	1.68	< 1	0.005	0.035	1.310	1.10	0.01	0.205	7.2	0.45
602168	225 296	0.05	12.35	0.050	< 0.05	0.19	6	0.005	0.005	0.075	0.35	< 0.01	0.045	22.2	0.15
602170	225 296	0.05	3.65	0.050	< 0.05	0.42	< 1	0.005	0.015	0.240	1.80	< 0.01	0.085	3.2	0.45
602171	225 296	0.05	9.35	0.025	< 0.05	0.47	3	< 0.005	0.005	0.065	0.55	< 0.01	0.055	2.0	0.30
602172	225 296	< 0.05	33.4	0.005	< 0.05	0.10	2	< 0.005	< 0.005	0.015	0.15	< 0.01	0.005	61.8	0.20
602173	225 296	0.20	12.10	0.050	< 0.05	1.70	3	0.005	0.015	0.735	0.55	< 0.01	0.085	13.2	0.90
602174	225 296	0.10	9.80	0.050	< 0.05	0.27	< 1	< 0.005	0.010	0.080	0.60	< 0.01	0.070	12.2	0.25
602176	225 296	0.10	3.40	0.045	< 0.05	0.30	9	< 0.005	0.015	0.045	0.40	< 0.01	0.100	11.8	0.60
602177	225 296	0.15	4.40	0.065	< 0.05	0.55	< 1	0.005	0.015	0.455	4.55	< 0.01	0.075	8.4	0.35
602178	225 296	0.15	6.45	0.080	< 0.05	0.56	< 1	0.005	0.015	0.340	1.40	< 0.01	0.090	8.0	0.30
602179	225 296	0.20	10.15	0.080	< 0.05	1.40	7	< 0.005	0.015	0.575	0.50	< 0.01	0.110	29.8	0.80
602180	225 296	0.05	47.5	0.040	< 0.05	0.34	8	< 0.005	0.005	0.035	0.70	< 0.01	0.035	25.0	0.50
602181	225 296	0.05	19.05	0.020	< 0.05	0.05	13	0.015	0.005	0.055	0.70	< 0.01	0.055	20.4	0.10
602182	225 296	0.05	12.05	0.065	< 0.05	0.86	2	< 0.005	0.010	0.320	0.55	< 0.01	0.070	5.0	< 0.05
602184	225 296	0.15	13.55	0.015	< 0.05	0.11	9	< 0.005	< 0.005	0.030	0.45	< 0.01	0.030	21.4	0.30
602185	225 296	0.05	21.2	0.125	< 0.05	0.58	8	< 0.005	0.030	0.330	0.60	< 0.01	0.190	15.0	0.40
602186	225 296	0.15	10.95	0.105	< 0.05	0.64	< 1	0.005	0.020	0.295	1.30	< 0.01	0.115	16.6	0.30
602187	225 296	0.05	11.80	0.015	< 0.05	0.48	4	0.005	< 0.005	0.145	0.50	0.01	0.020	18.8	< 0.05
602188	225 296	0.05	5.95	0.015	< 0.05	0.25	< 1	< 0.005	0.005	0.055	0.55	< 0.01	0.035	32.2	< 0.05
602189	225 296	0.05	16.80	0.035	< 0.05	0.39	< 1	< 0.005	0.010	0.170	1.30	< 0.01	0.070	7.2	0.55
602190	225 296	0.05	4.55	0.020	< 0.05	0.20	13	< 0.005	0.005	0.075	0.80	< 0.01	0.040	5.6	0.30
602191	225 296	0.15	4.15	0.105	< 0.05	1.68	< 1	0.005	0.025	1.020	0.80	0.01	0.135	5.0	0.05
602192	225 296	0.05	17.85	0.015	< 0.05	0.08	12	0.010	0.005	0.030	0.20	< 0.01	0.040	26.0	0.20
602193	225 296	< 0.05	8.10	< 0.005	< 0.05	0.02	12	< 0.005	< 0.005	< 0.005	0.10	< 0.01	0.005	6.4	< 0.05
602195	225 296	0.10	9.75	< 0.005	< 0.05	0.33	5	< 0.005	< 0.005	0.040	0.50	0.01	0.015	77.2	< 0.05

CERTIFICATION:  +



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CERTIFICATE OF ANALYSIS

A0120469

SAMPLE	PREP CODE	B ppm ICP-MS	Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH				
602147	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.345	< 0.001	< 0.01	0.110	8.4				
602148	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	2.99	< 0.001	< 0.01	0.900	8.3				
602149	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.610	< 0.001	< 0.01	0.765	9.2				
602151	225 296	< 0.5	0.65	< 0.1	< 0.01	< 0.005	0.325	< 0.001	< 0.01	0.325	9.2				
602152	225 296	< 0.5	0.35	< 0.1	0.03	0.005	0.485	< 0.001	0.05	0.215	8.6				
602153	225 296	< 0.5	0.60	< 0.1	0.02	< 0.005	11.20	< 0.001	0.01	2.49	9.0				
602154	225 296	< 0.5	0.30	< 0.1	0.01	< 0.005	2.06	< 0.001	< 0.01	0.405	8.8				
602158	225 296	< 0.5	0.50	< 0.1	0.03	0.005	6.60	< 0.001	0.01	2.37	8.2				
602159	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.210	< 0.001	< 0.01	0.110	8.1				
602161	225 296	< 0.5	0.05	< 0.1	< 0.01	< 0.005	0.235	< 0.001	< 0.01	0.155	8.5				
602162	225 296	< 0.5	1.00	< 0.1	0.01	0.005	17.40	< 0.001	0.01	2.68	8.4				
602163	225 296	< 0.5	0.90	< 0.1	0.01	< 0.005	0.640	< 0.001	< 0.01	0.555	9.3				
602164	225 296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	3.36	< 0.001	0.02	1.105	9.2				
602165	225 296	< 0.5	0.55	< 0.1	< 0.01	< 0.005	0.860	< 0.001	0.01	0.405	9.2				
602166	225 296	< 0.5	0.30	< 0.1	0.01	< 0.005	2.91	< 0.001	< 0.01	2.37	8.8				
602167	225 296	< 0.5	1.15	< 0.1	0.03	0.005	33.2	< 0.001	0.01	3.18	8.4				
602168	225 296	< 0.5	0.10	< 0.1	0.01	0.005	3.87	< 0.001	< 0.01	0.830	8.8				
602170	225 296	< 0.5	0.95	< 0.1	0.02	0.005	2.72	< 0.001	< 0.01	1.005	8.7				
602171	225 296	< 0.5	0.55	< 0.1	0.01	< 0.005	1.385	< 0.001	< 0.01	0.650	8.4				
602172	225 296	< 0.5	0.35	< 0.1	0.01	< 0.005	0.255	< 0.001	< 0.01	0.110	8.0				
602173	225 296	< 0.5	0.35	< 0.1	0.05	0.005	3.30	< 0.001	0.02	1.060	8.4				
602174	225 296	< 0.5	0.50	< 0.1	0.01	0.005	3.73	< 0.001	< 0.01	1.035	8.8				
602176	225 296	< 0.5	0.45	< 0.1	0.03	0.005	1.425	< 0.001	< 0.01	1.260	8.4				
602177	225 296	< 0.5	1.10	< 0.1	0.01	0.005	5.02	< 0.001	0.03	1.050	9.1				
602178	225 296	< 0.5	0.55	< 0.1	0.01	0.005	6.87	< 0.001	0.02	1.350	8.6				
602179	225 296	< 0.5	0.35	< 0.1	0.05	0.005	7.13	< 0.001	< 0.01	1.535	8.3				
602180	225 296	< 0.5	0.45	< 0.1	0.03	< 0.005	10.95	< 0.001	< 0.01	0.990	7.6				
602181	225 296	< 0.5	0.20	< 0.1	< 0.01	0.005	0.975	< 0.001	< 0.01	0.590	8.7				
602182	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	8.20	< 0.001	< 0.01	1.115	8.9				
602184	225 296	< 0.5	0.30	< 0.1	0.01	< 0.005	0.545	< 0.001	< 0.01	0.300	8.6				
602185	225 296	< 0.5	0.60	< 0.1	0.01	0.005	9.49	< 0.001	< 0.01	2.73	8.2				
602186	225 296	< 0.5	0.60	< 0.1	0.01	0.005	8.26	< 0.001	0.01	1.910	8.7				
602187	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	1.650	< 0.001	< 0.01	0.315	8.6				
602188	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.875	< 0.001	< 0.01	0.405	8.6				
602189	225 296	< 0.5	0.75	< 0.1	0.02	0.005	1.580	< 0.001	< 0.01	0.820	8.3				
602190	225 296	< 0.5	0.45	< 0.1	0.02	< 0.005	0.995	< 0.001	< 0.01	0.515	8.3				
602191	225 296	< 0.5	0.20	< 0.1	< 0.01	0.005	10.40	< 0.001	< 0.01	2.14	8.7				
602192	225 296	< 0.5	0.20	< 0.1	< 0.01	< 0.005	0.750	< 0.001	< 0.01	0.435	8.4				
602193	225 296	< 0.5	0.10	< 0.1	< 0.01	< 0.005	0.060	< 0.001	< 0.01	0.055	8.4				
602195	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.375	< 0.001	< 0.01	0.115	8.7				

CERTIFICATION: _____ +



ALS Chemex

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T. WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
ENGLEWOOD, COLORADO
80112

Page Number : 3-A
Total Page : 4
Certificate L : 24-JUL-2001
Invoice No. : I0120469
P.O. Number : MEDWMCQ7
Account : GGH

Project : QU7
Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
602197	225 296	0.14	97.4	0.004	897	0.100	< 0.05	32.3	0.032	< 0.005	2.5	1810	1.71	2.47	0.65
602198	225 296	0.18	37.8	0.020	2470	0.075	< 0.05	16.40	0.088	0.005	5.0	70	0.18	6.18	0.45
602200	225 296	0.08	94.7	0.010	1550	0.075	< 0.05	54.3	0.057	0.005	4.0	1730	0.50	1.370	0.50
609603	225 296	0.20	47.2	0.016	3360	0.125	< 0.05	91.5	0.130	0.010	8.0	6580	0.16	16.70	2.85
609604	225 296	0.00	84.4	0.042	10150	0.200	< 0.05	65.6	2.649	0.010	19.5	1970	0.34	81.8	3.25
609605	225 296	0.06	71.3	0.018	2460	0.325	< 0.05	80.1	0.090	0.020	4.5	1440	0.33	4.17	0.75
609606	225 296	0.16	35.7	0.020	4830	0.100	< 0.05	29.7	0.185	0.015	10.5	750	0.03	49.8	1.80
609607	225 296	0.20	72.5	0.044	4830	0.100	< 0.05	55.4	0.294	0.005	12.0	2410	0.05	65.2	1.10
609608	225 296	0.26	85.9	0.048	8650	0.125	< 0.05	41.1	0.134	< 0.005	21.0	5590	0.09	26.2	5.25
609609	225 296	0.08	96.0	0.008	786	0.150	< 0.05	40.8	0.017	< 0.005	0.5	2780	0.20	0.665	0.15
609612	225 296	0.10	77.3	0.034	3090	0.300	< 0.05	64.7	0.123	0.015	7.5	1300	0.20	5.88	0.65
609613	225 296	0.06	94.2	< 0.002	1200	0.175	< 0.05	20.0	0.019	< 0.005	3.5	530	0.71	0.990	1.60
609614	225 296	0.10	95.0	0.002	934	0.050	< 0.05	66.6	0.071	< 0.005	0.5	2110	0.19	14.85	1.05
609619	225 296	0.14	79.0	0.020	3170	0.475	< 0.05	34.0	0.090	0.020	5.5	410	0.22	2.13	0.85
609620	225 296	0.08	82.7	0.026	6340	0.400	< 0.05	15.00	0.037	0.020	10.0	730	0.20	2.37	1.75
609621	225 296	0.08	95.5	0.014	1850	0.100	< 0.05	30.2	0.031	< 0.005	3.0	1410	0.40	0.565	0.35
609622	225 296	0.10	82.1	0.020	496	0.225	< 0.05	63.2	0.023	< 0.005	2.5	1430	0.43	0.615	0.70
609623	225 296	0.10	98.2	0.008	904	< 0.025	< 0.05	12.80	0.014	< 0.005	2.5	1680	0.37	0.865	2.85
609625	225 296	0.10	96.0	0.022	2410	0.350	< 0.05	37.9	0.124	0.015	3.5	1700	0.67	11.75	2.30
609628	225 296	0.10	80.5	0.106	7270	0.725	< 0.05	53.4	0.352	0.020	26.0	370	0.21	41.1	4.30
609631	225 296	0.08	48.8	< 0.002	1510	0.225	< 0.05	28.9	0.036	0.010	5.0	850	0.22	2.82	0.65
609632	225 296	0.12	51.8	0.028	4760	0.400	< 0.05	34.1	0.273	0.015	13.0	550	0.07	18.95	1.05
609635	225 296	0.08	83.5	0.002	187	0.075	< 0.05	36.1	0.008	< 0.005	6.0	2580	0.29	0.405	0.15
609636	225 296	0.24	93.8	0.002	1025	0.050	< 0.05	22.6	0.016	< 0.005	2.0	4080	0.09	2.73	1.15
609637	225 296	0.14	76.1	0.022	1410	0.725	< 0.05	124.0	0.047	0.050	3.0	2470	0.22	2.11	1.55
609639	225 296	0.18	91.4	0.018	4490	0.250	< 0.05	32.3	0.148	0.005	15.0	1530	0.14	11.55	3.25
609641	225 296	0.14	48.5	0.028	2580	0.375	< 0.05	26.4	0.029	0.015	6.5	1210	0.12	2.24	0.50
609643	225 296	0.12	92.3	0.032	1985	0.925	< 0.05	53.9	0.067	0.040	27.0	1680	0.24	18.15	2.65
609644	225 296	0.08	81.4	0.014	3240	0.650	< 0.05	80.4	0.315	0.025	12.5	610	0.51	7.24	1.55
609646	225 296	0.12	53.0	0.012	1920	0.175	< 0.05	20.8	0.030	0.005	3.5	1020	0.19	1.485	0.55
609647	225 296	0.10	93.6	0.004	1140	0.175	< 0.05	58.2	0.046	0.005	3.5	2080	0.19	3.90	0.60
609648	225 296	0.06	90.9	0.008	617	0.125	< 0.05	80.8	0.105	0.005	2.5	2180	0.45	2.71	0.80
609649	225 296	0.20	77.4	0.014	1650	0.200	< 0.05	57.9	0.053	0.005	3.5	2820	0.26	9.68	2.15
609655	225 296	0.08	36.2	0.030	2120	0.200	< 0.05	20.7	0.044	< 0.005	4.5	720	0.21	8.77	0.55
609657	225 296	0.06	89.4	0.002	945	0.525	< 0.05	32.5	0.058	< 0.005	2.5	980	0.37	0.380	1.85
609659	225 296	0.08	89.5	0.042	7550	0.775	< 0.05	11.60	0.107	0.020	30.5	460	0.23	6.47	2.05
609666	225 296	0.24	84.0	< 0.002	260	0.150	< 0.05	9.00	0.012	0.005	3.0	4140	0.26	2.06	2.25
609669	225 296	0.08	97.6	< 0.002	3430	0.300	< 0.05	21.1	0.027	0.005	6.0	780	0.74	3.52	2.60
609670	225 296	0.16	88.5	0.012	3220	0.300	< 0.05	19.95	0.037	0.005	13.0	1280	0.15	8.81	1.95
609673	225 296	0.12	48.3	0.026	4420	0.300	< 0.05	100.5	0.335	0.015	11.5	1170	0.53	11.95	1.40

CERTIFICATION: _____



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WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numr : 3-B
 Total Page : 4
 Certificate : 24-JUL-2001
 Invoice No. : 10120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Cr ppm ICP-MS	Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS
602197	225 296	0.05	0.025	1.45	0.100	0.045	0.030	280	0.160	< 0.1	0.020	0.3	615	< 0.05	< 0.005
602198	225 296	1.30	0.005	6.15	0.270	0.110	0.090	1040	0.390	< 0.1	0.045	2.6	85	0.85	0.010
602200	225 296	0.70	0.005	3.90	0.075	0.030	0.020	680	0.110	< 0.1	0.015	3.3	95	0.20	0.005
609603	225 296	1.60	0.010	12.05	0.925	0.355	0.310	2830	1.695	< 0.1	0.140	3.0	110	0.15	0.045
609604	225 296	2.60	0.010	21.2	3.47	1.175	0.975	5140	6.11	< 0.1	0.490	3.9	25	2.80	0.120
609605	225 296	3.05	0.020	14.10	0.175	0.075	0.060	1745	0.270	< 0.1	0.030	3.5	175	< 0.05	0.005
609606	225 296	6.85	0.180	7.70	1.200	0.395	0.450	2010	2.19	< 0.1	0.160	3.3	270	1.15	0.040
609607	225 296	6.70	0.030	5.85	1.490	0.505	0.500	3470	2.63	< 0.1	0.210	3.3	95	0.25	0.050
609608	225 296	2.70	0.010	56.0	0.885	0.335	0.360	3560	1.550	< 0.1	0.135	5.6	55	0.20	0.045
609609	225 296	0.35	0.080	1.00	0.030	0.015	0.010	90	0.040	< 0.1	< 0.005	0.9	315	< 0.05	< 0.005
609612	225 296	1.05	0.015	4.20	0.190	0.075	0.060	1555	0.290	< 0.1	0.030	4.0	115	< 0.05	0.010
609613	225 296	0.10	0.020	1.00	0.040	0.025	0.015	245	0.075	< 0.1	0.005	0.5	530	< 0.05	< 0.005
609614	225 296	0.10	0.055	0.60	0.395	0.140	0.145	320	0.710	< 0.1	0.055	0.3	480	0.10	0.020
609619	225 296	2.40	0.015	5.35	0.160	0.075	0.045	1410	0.185	< 0.1	0.025	1.9	175	1.80	0.005
609620	225 296	0.45	0.005	1.20	0.155	0.075	0.070	1685	0.215	< 0.1	0.030	2.8	260	0.30	0.005
609621	225 296	0.25	0.015	0.65	0.035	0.020	0.020	135	0.055	< 0.1	< 0.005	1.1	160	< 0.05	< 0.005
609622	225 296	1.05	0.045	0.90	0.030	0.015	< 0.005	< 5	0.040	< 0.1	< 0.005	0.5	475	0.05	< 0.005
609623	225 296	< 0.05	0.055	0.40	0.065	0.035	0.020	10	0.095	< 0.1	0.015	0.3	550	< 0.05	0.005
609625	225 296	0.20	0.050	1.30	0.555	0.225	0.140	730	0.860	< 0.1	0.085	1.4	535	< 0.05	0.030
609628	225 296	6.10	0.020	34.2	0.870	0.255	0.260	5440	1.555	< 0.1	0.115	8.6	180	1.65	0.025
609631	225 296	1.90	0.005	3.60	0.125	0.060	0.040	1985	0.155	< 0.1	0.020	2.2	170	0.10	< 0.005
609632	225 296	1.65	0.020	1.00	0.620	0.210	0.250	1770	1.000	< 0.1	0.085	3.2	180	0.75	0.020
609635	225 296	0.25	0.075	0.55	0.015	0.005	< 0.005	< 5	0.025	< 0.1	< 0.005	1.1	480	< 0.05	< 0.005
609636	225 296	0.10	< 0.005	1.15	0.240	0.150	0.070	940	0.345	< 0.1	0.050	0.5	85	< 0.05	0.030
609637	225 296	1.05	0.020	3.20	0.120	0.055	0.030	2670	0.165	< 0.1	0.020	1.4	210	0.30	0.005
609639	225 296	1.50	0.005	6.05	0.425	0.150	0.125	1540	0.645	< 0.1	0.060	4.8	115	1.95	0.015
609641	225 296	2.30	0.020	3.40	0.125	0.055	0.045	2430	0.160	< 0.1	0.020	2.8	120	0.05	0.005
609643	225 296	1.45	0.010	4.15	0.405	0.135	0.115	13280	0.785	< 0.1	0.055	7.0	160	< 0.05	0.015
609644	225 296	4.05	0.010	6.20	0.385	0.170	0.095	2050	0.525	< 0.1	0.060	4.8	110	1.90	0.020
609646	225 296	1.80	0.005	2.60	0.085	0.035	0.025	985	0.100	< 0.1	0.010	1.6	95	0.50	< 0.005
609647	225 296	0.90	0.075	0.90	0.115	0.050	0.040	1580	0.220	< 0.1	0.020	0.8	350	< 0.05	0.005
609648	225 296	0.75	0.085	1.80	0.080	0.030	0.020	355	0.135	< 0.1	0.010	0.6	385	0.05	< 0.005
609649	225 296	1.95	0.005	13.65	0.300	0.130	0.105	880	0.490	< 0.1	0.045	1.4	120	0.20	0.020
609655	225 296	2.30	0.015	0.75	0.315	0.120	0.115	2110	0.550	< 0.1	0.050	1.3	165	0.15	0.015
609657	225 296	0.40	0.020	0.45	0.025	0.005	0.005	< 5	0.035	< 0.1	< 0.005	0.6	210	< 0.05	< 0.005
609659	225 296	2.45	0.030	6.35	0.345	0.155	0.135	4400	0.425	< 0.1	0.055	7.5	340	0.05	0.015
609666	225 296	0.35	0.005	2.50	0.185	0.090	0.050	2170	0.265	< 0.1	0.030	0.9	235	< 0.05	0.015
609669	225 296	0.15	0.010	1.20	0.275	0.130	0.085	920	0.390	< 0.1	0.050	0.7	385	0.25	0.015
609670	225 296	1.40	0.005	2.45	0.365	0.140	0.070	1510	0.530	< 0.1	0.055	3.2	165	< 0.05	0.015
609673	225 296	6.65	0.005	15.70	0.410	0.165	0.130	1880	0.595	< 0.1	0.065	4.9	50	1.15	0.015

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Mg ppm ICP-MS	Mn ppm ICP-MS	Mo ppm ICP-MS	Na ppm ICP-MS	Nb ppm ICP-MS	Nd ppm ICP-MS	Ni ppm ICP-MS	P ppm ICP-MS	Pb ppm ICP-MS	Pr ppm ICP-MS	Rb ppm ICP-MS	Sb ppm ICP-MS	Se ppm ICP-MS	Sm ppm ICP-MS
602197	225 296	540	15.0	0.06	-----	< 0.01	1.115	0.55	-----	10.65	0.290	3.79	< 0.005	< 0.25	0.190
602198	225 296	39	< 0.1	0.03	-----	0.19	2.59	0.95	-----	0.97	0.710	0.64	< 0.005	0.25	0.445
602200	225 296	270	< 0.1	0.06	-----	0.06	0.620	2.65	-----	0.27	0.160	1.12	< 0.005	0.25	0.135
609603	225 296	3000	176.0	0.20	-----	0.15	11.95	18.15	-----	1.18	3.38	0.50	< 0.005	0.75	1.875
609604	225 296	299	4.1	0.36	-----	0.18	44.8	25.6	-----	3.10	13.10	0.31	< 0.005	1.25	6.82
609605	225 296	321	6.1	0.05	-----	0.38	1.565	5.95	-----	3.61	0.455	1.38	< 0.005	< 0.25	0.335
609606	225 296	530	6.8	0.14	-----	0.87	18.40	8.45	-----	1.78	5.48	3.18	< 0.005	< 0.25	2.61
609607	225 296	410	42.2	0.17	-----	0.88	22.5	2.10	-----	1.36	6.85	0.72	< 0.005	< 0.25	3.20
609608	225 296	1785	19.8	0.14	-----	0.11	11.75	127.5	-----	0.48	3.30	0.27	< 0.005	0.50	1.730
609609	225 296	265	19.0	< 0.01	-----	0.01	0.280	0.15	-----	1.31	0.075	3.32	< 0.005	< 0.25	0.065
609612	225 296	150	< 0.1	0.05	-----	0.13	2.05	3.65	-----	1.88	0.635	0.82	< 0.005	< 0.25	0.360
609613	225 296	628	5.8	0.03	-----	0.01	0.440	1.60	-----	5.41	0.120	3.49	< 0.005	< 0.25	0.090
609614	225 296	769	3.1	0.06	-----	0.04	6.08	0.55	-----	8.12	1.685	4.80	< 0.005	< 0.25	0.880
609619	225 296	146	0.4	0.05	-----	0.09	0.960	3.25	-----	2.14	0.250	1.52	< 0.005	0.50	0.195
609620	225 296	185	< 0.1	0.03	-----	0.04	1.100	3.05	-----	4.22	0.290	1.50	0.005	< 0.25	0.235
609621	225 296	259	0.7	< 0.01	-----	0.01	0.260	0.25	-----	0.93	0.065	1.30	< 0.005	< 0.25	0.070
609622	225 296	440	2.8	0.02	-----	0.01	0.275	1.35	-----	2.76	0.070	1.87	< 0.005	< 0.25	0.065
609623	225 296	1080	2.0	< 0.01	-----	< 0.01	0.470	2.45	-----	4.74	0.115	4.69	< 0.005	0.25	0.100
609625	225 296	260	22.3	0.12	-----	0.04	5.91	2.35	-----	7.41	1.590	4.04	0.005	< 0.25	1.060
609628	225 296	110	< 0.1	0.23	-----	0.61	13.90	11.90	-----	5.54	4.43	1.75	0.005	1.00	1.840
609631	225 296	158	2.0	0.05	-----	0.17	0.960	2.05	-----	1.97	0.280	1.13	< 0.005	< 0.25	0.175
609632	225 296	185	< 0.1	0.13	-----	0.32	7.65	6.50	-----	3.01	2.19	1.21	< 0.005	0.25	1.235
609635	225 296	376	182.5	< 0.01	-----	0.04	0.185	0.45	-----	4.39	0.045	4.73	< 0.005	< 0.25	0.045
609636	225 296	2760	4.2	0.09	-----	0.01	2.41	5.20	-----	1.83	0.625	0.42	< 0.005	< 0.25	0.390
609637	225 296	929	35.4	0.10	-----	0.13	0.905	4.75	-----	10.75	0.235	1.36	0.015	0.25	0.200
609639	225 296	283	0.3	0.16	-----	0.13	4.31	5.45	-----	2.29	1.280	1.21	< 0.005	0.25	0.725
609641	225 296	245	20.7	0.11	-----	0.22	0.945	3.35	-----	2.26	0.255	0.59	0.005	< 0.25	0.190
609643	225 296	264	27.5	0.21	-----	0.16	6.92	3.65	-----	6.27	2.00	1.00	0.010	0.25	0.920
609644	225 296	95	< 0.1	0.05	-----	0.22	3.08	12.00	-----	1.83	0.845	1.24	< 0.005	0.50	0.565
609646	225 296	244	7.3	0.01	-----	0.15	0.555	2.80	-----	1.51	0.150	0.68	< 0.005	< 0.25	0.115
609647	225 296	452	23.0	0.07	-----	0.04	1.670	1.20	-----	11.45	0.460	3.09	< 0.005	< 0.25	0.295
609648	225 296	429	25.2	0.10	-----	0.09	1.065	1.45	-----	6.41	0.310	5.41	< 0.005	0.25	0.175
609649	225 296	694	3.9	0.07	-----	0.20	3.82	20.8	-----	1.16	1.175	0.45	< 0.005	0.25	0.580
609655	225 296	165	1.6	0.06	-----	0.47	3.46	0.50	-----	1.52	0.935	0.83	< 0.005	< 0.25	0.600
609657	225 296	403	0.9	0.01	-----	0.08	0.160	0.60	-----	1.22	0.045	1.90	< 0.005	< 0.25	0.040
609659	225 296	128	2.0	0.15	-----	0.22	2.55	3.75	-----	4.48	0.715	1.93	0.010	0.50	0.440
609666	225 296	4460	698	0.19	-----	< 0.01	1.745	8.40	-----	1.41	0.480	1.30	< 0.005	< 0.25	0.275
609669	225 296	256	12.3	0.04	-----	< 0.01	1.830	3.15	-----	2.89	0.460	2.26	< 0.005	0.25	0.375
609670	225 296	352	1.4	0.16	-----	0.22	3.25	4.80	-----	1.46	0.905	0.92	< 0.005	< 0.25	0.545
609673	225 296	120	< 0.1	0.04	-----	0.38	4.22	12.00	-----	2.69	1.300	0.31	< 0.005	< 0.25	0.655

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

T. WESTERN MINING CORP.

3008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numbr : 3-D
 Total Page : 4
 Certificate L : 24-JUL-2001
 Invoice No. : I0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Sn ppm ICP-MS	Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Ta ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS
602197	225 296	0.10	11.75	0.020	< 0.05	0.07	15	0.015	< 0.005	0.045	0.40	< 0.01	0.040	30.2	0.10
602198	225 296	0.05	2.45	0.060	< 0.05	0.27	5	0.005	0.015	0.125	0.40	< 0.01	0.075	2.8	0.35
602200	225 296	< 0.05	18.55	0.015	< 0.05	0.25	16	< 0.005	0.005	0.025	0.40	< 0.01	0.040	15.0	0.60
609603	225 296	< 0.05	57.8	0.200	< 0.05	1.19	9	0.030	0.045	0.550	2.55	0.01	0.315	8.4	0.40
609604	225 296	< 0.05	29.3	0.725	< 0.05	1.07	< 1	0.020	0.145	2.78	2.45	0.01	0.850	14.8	0.40
609605	225 296	0.15	12.50	0.040	< 0.05	1.06	< 1	< 0.005	0.010	0.170	1.00	< 0.01	0.065	6.2	0.40
609606	225 296	0.15	10.15	0.285	< 0.05	2.52	< 1	0.055	0.050	0.635	4.80	0.04	0.305	4.4	1.85
609607	225 296	0.15	33.4	0.330	< 0.05	7.65	< 1	0.020	0.060	1.455	2.40	0.03	0.380	11.0	2.10
609608	225 296	< 0.05	46.4	0.185	< 0.05	0.81	4	0.020	0.045	0.355	1.90	< 0.01	0.305	5.4	0.55
609609	225 296	< 0.05	10.45	0.005	< 0.05	0.11	15	< 0.005	< 0.005	0.020	0.15	< 0.01	0.010	26.0	0.25
609612	225 296	0.05	11.80	0.040	< 0.05	0.60	4	< 0.005	0.015	0.240	0.55	< 0.01	0.065	5.8	0.40
609613	225 296	0.15	8.95	0.005	< 0.05	0.06	2	0.020	< 0.005	0.010	0.25	< 0.01	0.020	18.8	0.15
609614	225 296	0.05	51.2	0.080	< 0.05	0.27	4	0.030	0.020	0.115	0.80	< 0.01	0.125	7.2	0.20
609619	225 296	0.10	8.65	0.030	< 0.05	0.20	< 1	0.005	0.005	0.040	0.70	< 0.01	0.065	5.0	0.45
609620	225 296	0.05	7.00	0.035	< 0.05	0.12	6	0.005	0.005	0.045	0.40	< 0.01	0.060	4.6	0.20
609621	225 296	< 0.05	13.20	0.005	< 0.05	0.07	6	< 0.005	< 0.005	0.015	0.40	< 0.01	0.020	65.4	0.20
609622	225 296	< 0.05	24.6	0.005	< 0.05	0.16	< 1	0.005	< 0.005	0.030	0.40	0.01	0.015	99.8	< 0.05
609623	225 296	< 0.05	9.75	0.015	< 0.05	0.01	7	0.015	< 0.005	0.005	0.20	< 0.01	0.030	23.2	0.15
609625	225 296	0.10	18.35	0.115	< 0.05	0.28	4	0.025	0.030	0.545	0.40	< 0.01	0.210	28.6	0.15
609628	225 296	0.05	9.55	0.190	< 0.05	3.85	< 1	0.015	0.030	2.28	1.15	0.01	0.180	6.6	0.55
609631	225 296	0.05	6.75	0.025	< 0.05	0.59	< 1	0.015	0.005	0.095	0.90	< 0.01	0.040	12.6	0.30
609632	225 296	0.05	16.40	0.130	< 0.05	0.99	< 1	0.015	0.025	0.355	1.20	0.01	0.160	2.4	0.45
609635	225 296	0.05	11.20	< 0.005	< 0.05	0.11	3	0.015	< 0.005	0.015	0.25	< 0.01	0.005	27.2	0.20
609636	225 296	< 0.05	30.1	0.045	< 0.05	0.19	9	0.005	0.025	0.055	0.20	< 0.01	0.155	12.2	0.20
609637	225 296	0.20	31.6	0.020	< 0.05	0.27	< 1	0.015	0.005	0.130	1.15	< 0.01	0.045	3.0	0.30
609639	225 296	< 0.05	17.60	0.085	< 0.05	0.86	< 1	0.035	0.020	0.650	0.55	< 0.01	0.105	6.8	0.25
609641	225 296	0.05	6.70	0.025	< 0.05	0.28	< 1	0.005	0.005	0.110	1.75	< 0.01	0.040	9.6	0.50
609643	225 296	0.15	14.50	0.095	< 0.05	0.80	< 1	0.050	0.015	0.555	1.55	< 0.01	0.115	17.8	0.25
609644	225 296	0.10	21.3	0.070	< 0.05	0.61	< 1	< 0.005	0.020	0.190	1.50	< 0.01	0.130	14.6	0.60
609646	225 296	< 0.05	6.05	0.015	< 0.05	0.40	7	< 0.005	0.005	0.040	0.85	< 0.01	0.030	7.6	0.40
609647	225 296	0.05	16.70	0.025	< 0.05	0.21	2	0.005	0.005	0.150	1.20	< 0.01	0.045	23.0	0.15
609648	225 296	0.05	29.6	0.015	< 0.05	0.13	< 1	0.025	< 0.005	0.115	1.30	< 0.01	0.025	53.0	0.15
609649	225 296	0.05	38.1	0.065	< 0.05	0.91	< 1	0.005	0.020	0.165	0.55	0.01	0.110	23.4	0.15
609655	225 296	0.05	8.05	0.070	< 0.05	1.06	< 1	0.005	0.015	0.120	1.80	0.01	0.095	10.0	0.50
609657	225 296	< 0.05	19.00	< 0.005	< 0.05	0.14	< 1	0.015	< 0.005	0.020	0.50	< 0.01	0.005	29.0	0.15
609659	225 296	0.10	3.55	0.060	< 0.05	0.90	< 1	0.015	0.020	0.375	1.10	< 0.01	0.105	10.0	0.65
609666	225 296	< 0.05	16.40	0.035	< 0.05	0.10	9	0.055	0.010	0.060	0.90	< 0.01	0.095	18.8	0.20
609669	225 296	0.05	11.30	0.050	< 0.05	0.07	< 1	0.005	0.015	0.035	0.20	< 0.01	0.090	16.6	< 0.05
609670	225 296	0.05	8.00	0.070	< 0.05	0.34	3	0.015	0.015	0.125	0.65	< 0.01	0.090	7.0	0.30
609673	225 296	0.05	31.0	0.080	< 0.05	1.52	< 1	0.005	0.020	0.290	1.00	< 0.01	0.110	6.2	0.55

CERTIFICATION: *[Signature]*



ALS Chemex

Chemex Labs, Inc.
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WESTERN MINING CORP.

1008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 3-E
 Total Pages : 4
 Certificate L : 24-JUL-2001
 Invoice No. : I0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		B ppm	Ga ppm	Ge ppm	Hf ppm	In ppm	La ppm	Re ppm	Ta ppm	Y ppm	Leach					
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	pH					
602197	225	296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	1.240	< 0.001	< 0.01	0.520	8.5					
602198	225	296	< 0.5	0.60	< 0.1	0.02	0.005	3.25	< 0.001	< 0.01	1.090	9.0					
602200	225	296	< 0.5	0.50	< 0.1	0.03	< 0.005	0.610	< 0.001	< 0.01	0.360	7.4					
609603	225	296	< 0.5	0.35	< 0.1	0.03	0.005	14.60	< 0.001	< 0.01	4.00	9.5					
609604	225	296	< 0.5	0.90	< 0.1	0.05	0.005	59.3	< 0.001	0.01	13.90	9.5					
609605	225	296	< 0.5	0.75	< 0.1	0.02	0.005	2.20	< 0.001	0.01	0.780	8.2					
609606	225	296	< 0.5	1.50	< 0.1	0.07	0.005	25.6	< 0.001	0.06	4.22	9.8					
609607	225	296	< 0.5	0.85	< 0.1	0.10	0.005	34.6	< 0.001	0.05	5.62	9.2					
609608	225	296	< 0.5	1.10	< 0.1	0.03	< 0.005	15.40	< 0.001	< 0.01	3.69	8.9					
609609	225	296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	0.330	< 0.001	< 0.01	0.160	8.3					
609612	225	296	< 0.5	0.70	< 0.1	0.02	0.005	3.17	< 0.001	< 0.01	0.830	8.3					
609613	225	296	< 0.5	0.45	< 0.1	< 0.01	< 0.005	0.460	< 0.001	< 0.01	0.230	8.7					
609614	225	296	< 0.5	0.45	< 0.1	0.01	0.005	7.81	< 0.001	< 0.01	1.630	8.6					
609619	225	296	< 0.5	0.50	< 0.1	0.01	0.005	1.005	< 0.001	< 0.01	0.750	8.7					
609620	225	296	< 0.5	0.65	< 0.1	< 0.01	0.005	1.070	< 0.001	< 0.01	0.700	9.0					
609621	225	296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.290	< 0.001	< 0.01	0.195	8.1					
609622	225	296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.300	< 0.001	< 0.01	0.115	8.4					
609623	225	296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.330	< 0.001	< 0.01	0.350	8.7					
609625	225	296	< 0.5	0.65	< 0.1	0.01	0.005	6.56	< 0.001	< 0.01	2.33	8.6					
609628	225	296	< 0.5	1.20	< 0.1	0.03	0.015	23.7	< 0.001	0.03	2.91	8.5					
609631	225	296	< 0.5	0.70	< 0.1	0.01	< 0.005	1.530	< 0.001	< 0.01	0.575	8.9					
609632	225	296	< 0.5	1.15	< 0.1	0.02	0.005	8.86	< 0.001	0.02	2.21	9.2					
609635	225	296	< 0.5	0.45	< 0.1	< 0.01	< 0.005	0.185	< 0.001	< 0.01	0.090	8.7					
609636	225	296	< 0.5	0.35	< 0.1	0.01	< 0.005	2.27	< 0.001	< 0.01	1.580	9.0					
609637	225	296	< 0.5	0.35	< 0.1	0.01	0.010	0.960	< 0.001	< 0.01	0.520	8.9					
609639	225	296	< 0.5	0.55	< 0.1	0.01	< 0.005	6.30	< 0.001	< 0.01	1.515	9.4					
609641	225	296	< 0.5	1.65	< 0.1	0.02	< 0.005	1.090	< 0.001	0.01	0.460	9.4					
609643	225	296	< 0.5	0.85	< 0.1	< 0.01	0.005	9.67	< 0.001	< 0.01	1.480	9.2					
609644	225	296	< 0.5	0.65	< 0.1	0.03	0.015	3.43	< 0.001	< 0.01	1.650	8.4					
609646	225	296	< 0.5	0.90	< 0.1	< 0.01	< 0.005	0.730	< 0.001	< 0.01	0.375	9.3					
609647	225	296	< 0.5	0.60	< 0.1	< 0.01	0.005	1.875	< 0.001	< 0.01	0.485	8.7					
609648	225	296	< 0.5	0.30	< 0.1	< 0.01	0.005	1.450	< 0.001	< 0.01	0.350	8.8					
609649	225	296	< 0.5	0.25	< 0.1	< 0.01	< 0.005	5.88	< 0.001	< 0.01	1.490	9.0					
609655	225	296	< 0.5	1.05	< 0.1	0.01	< 0.005	4.03	< 0.001	0.03	1.260	9.5					
609657	225	296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	0.195	< 0.001	< 0.01	0.100	8.7					
609659	225	296	< 0.5	1.25	< 0.1	0.03	0.005	3.23	< 0.001	0.01	1.260	8.8					
609666	225	296	< 0.5	0.40	< 0.1	< 0.01	< 0.005	2.30	< 0.001	< 0.01	1.105	9.5					
609669	225	296	< 0.5	0.05	< 0.1	< 0.01	< 0.005	1.630	< 0.001	< 0.01	1.380	8.7					
609670	225	296	< 0.5	0.70	< 0.1	0.01	< 0.005	4.52	< 0.001	< 0.01	1.580	9.1					
609673	225	296	< 0.5	0.70	< 0.1	0.03	0.015	6.52	< 0.001	0.01	1.795	8.8					

CERTIFICATION: _____



ALS Chemex

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 PHONE: 775-356-5395 FAX: 775-355-0179

WESTERN MINING CORP.

1008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numf : 4-A
 Total Page : 4
 Certificate L : 24-JUL-2001
 Invoice No. : I0120469
 P.O. Number : MEDWMC07
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
609674	225 296	0.12	78.7	0.020	3420	0.525	< 0.05	41.8	0.168	0.025	8.0	360	0.31	15.80	0.75
609683	225 296	0.24	24.0	0.006	2930	0.275	< 0.05	4.75	0.047	0.005	8.0	70	0.10	2.75	0.35
609685	225 296	0.08	82.9	0.026	2140	0.375	< 0.05	37.6	0.061	0.015	5.5	210	0.77	1.425	0.45
609686	225 296	0.08	96.0	0.002	1670	0.250	< 0.05	35.6	0.056	0.005	8.0	1410	0.27	3.11	1.60
609694	225 296	0.14	92.8	0.008	4790	0.475	< 0.05	18.65	0.060	0.020	7.0	1370	0.25	10.55	1.75
609695	225 296	0.20	22.5	0.004	1365	0.300	< 0.05	13.90	0.016	< 0.005	13.5	310	0.05	3.16	0.35
609701	225 296	0.08	76.7	0.010	2180	0.325	< 0.05	73.4	0.134	0.015	3.0	230	0.22	11.70	0.65
609705	225 296	0.10	94.9	0.034	2070	0.300	< 0.05	237	0.217	0.010	3.0	220	0.51	2.28	2.30
609707	225 296	0.10	81.0	0.030	2290	0.675	< 0.05	33.1	0.123	0.020	15.0	650	0.20	7.51	0.50
609712	225 296	0.08	76.6	0.014	1175	0.500	< 0.05	56.0	0.051	0.005	2.5	710	0.36	1.120	0.15
609713	225 296	0.12	71.2	0.052	2510	0.375	< 0.05	57.1	0.170	0.020	4.5	460	0.35	14.05	0.45
609719	225 296	0.18	55.8	0.022	1760	0.350	< 0.05	144.0	0.076	0.005	6.0	1050	0.28	6.47	1.10
609724	225 296	0.14	73.8	0.026	1995	0.575	< 0.05	69.7	0.128	0.025	5.5	1710	0.38	8.25	0.65
609730	225 296	0.08	60.6	0.016	1205	0.375	< 0.05	21.9	0.035	0.010	6.0	510	1.09	1.415	0.55
609735	225 296	0.08	92.0	0.002	654	0.375	< 0.05	65.2	0.135	0.010	4.5	2770	0.26	16.05	11.45

CERTIFICATION: _____



ALS Chemex

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WESTERN MINING CORP.

008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numbr : 4-B
 Total Page : 1
 Certificate D. : 24-JUL-2001
 Invoice No. : I0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Cr ppm	Cs ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe ppm	Gd ppm	Hg ppm	Ho ppm	I ppm	K ppm	Li ppm	Lu ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
609674	225	296	1.20	0.030	1.40	0.460	0.160	0.185	1775	0.770	< 0.1	0.065	1.3	210	1.00	0.015
609683	225	296	2.25	0.010	2.20	0.180	0.080	0.060	1160	0.230	< 0.1	0.030	3.0	40	< 0.05	0.005
609685	225	296	1.65	0.020	2.00	0.080	0.040	0.025	295	0.105	< 0.1	0.015	1.3	285	0.50	0.005
609686	225	296	0.70	0.020	1.50	0.195	0.090	0.050	735	0.265	< 0.1	0.030	1.1	445	< 0.05	0.010
609694	225	296	0.85	0.005	7.30	0.455	0.190	0.165	2310	0.645	< 0.1	0.070	3.0	220	0.35	0.020
609695	225	296	5.95	0.005	1.65	0.090	0.040	0.020	1395	0.150	< 0.1	0.015	1.9	90	0.05	< 0.005
609701	225	296	0.95	0.010	1.40	0.460	0.205	0.155	540	0.710	< 0.1	0.070	0.8	195	0.45	0.020
609705	225	296	0.35	0.025	0.85	0.100	0.050	0.030	565	0.170	< 0.1	0.015	1.1	170	0.65	0.005
609707	225	296	2.00	0.020	5.60	0.340	0.145	0.110	1640	0.460	< 0.1	0.055	4.6	145	0.15	0.015
609712	225	296	0.15	0.025	0.60	0.140	0.065	0.005	210	0.135	< 0.1	0.020	0.6	330	0.15	0.005
609713	225	296	1.05	0.010	12.70	0.510	0.220	0.150	1175	0.720	< 0.1	0.085	1.6	195	0.35	0.020
609719	225	296	1.25	0.015	5.30	0.325	0.120	0.080	850	0.455	< 0.1	0.050	2.1	95	< 0.05	0.015
609724	225	296	0.90	0.015	4.45	0.270	0.110	0.080	2140	0.405	< 0.1	0.040	1.9	165	0.20	0.010
609730	225	296	2.05	0.045	1.75	0.055	0.025	0.020	540	0.085	< 0.1	0.005	1.3	305	< 0.05	< 0.005
609735	225	296	0.35	0.010	2.75	0.540	0.200	0.175	1495	1.015	< 0.1	0.075	1.1	310	< 0.05	0.025

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

T: WESTERN MINING CORP.
 3008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Num: 4-C
 Total Page: 4
 Certificate L: 24-JUL-2001
 Invoice No.: IO120469
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Mg ppm ICP-MS	Mn ppm ICP-MS	Mo ppm ICP-MS	Na ppm ICP-MS	Nb ppm ICP-MS	Nd ppm ICP-MS	Ni ppm ICP-MS	P ppm ICP-MS	Pb ppm ICP-MS	Pr ppm ICP-MS	Rb ppm ICP-MS	Sb ppm ICP-MS	Se ppm ICP-MS	Sm ppm ICP-MS
609674	225 296	83	3.7	0.10	-----	0.27	5.58	1.15	-----	8.32	1.650	1.96	0.005	0.50	0.910
609683	225 296	61	4.8	0.13	-----	0.07	1.170	1.65	-----	1.05	0.305	0.35	< 0.005	< 0.25	0.220
609685	225 296	66	2.0	0.09	-----	0.08	0.625	2.15	-----	4.22	0.175	2.91	< 0.005	0.25	0.115
609686	225 296	933	6.0	0.06	-----	0.06	1.460	3.05	-----	10.50	0.375	2.82	< 0.005	< 0.25	0.285
609694	225 296	357	2.3	0.10	-----	0.09	4.48	12.10	-----	3.59	1.225	0.94	0.005	0.25	0.700
609695	225 296	134	2.5	0.46	-----	0.27	1.085	1.75	-----	0.44	0.330	0.37	< 0.005	< 0.25	0.160
609701	225 296	29	< 0.1	0.05	-----	0.13	5.20	1.05	-----	2.45	1.425	1.80	< 0.005	0.25	0.870
609705	225 296	1085	< 0.1	0.04	-----	0.07	1.040	1.55	-----	4.41	0.265	2.73	0.005	< 0.25	0.300
609707	225 296	146	3.5	0.07	-----	0.22	2.95	2.30	-----	4.95	0.830	2.13	0.005	< 0.25	0.510
609712	225 296	136	43.8	0.05	-----	0.07	0.565	0.30	-----	3.92	0.150	3.33	< 0.005	0.25	0.155
609713	225 296	100	2.1	0.04	-----	0.15	5.48	2.30	-----	3.03	1.600	1.69	< 0.005	0.25	0.830
609719	225 296	360	< 0.1	0.04	-----	0.16	2.72	3.65	-----	2.41	0.745	1.03	< 0.005	< 0.25	0.555
609724	225 296	166	3.1	0.05	-----	0.15	3.08	1.05	-----	4.56	0.885	2.09	< 0.005	< 0.25	0.445
609730	225 296	343	5.9	0.10	-----	0.21	0.605	1.30	-----	5.46	0.170	3.09	< 0.005	< 0.25	0.105
609735	225 296	821	621	0.17	-----	0.05	7.57	1.35	-----	4.42	2.17	2.93	< 0.005	< 0.25	1.135

CERTIFICATION: _____ +



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 PHONE: 775-356-5395 FAX: 775-355-0179

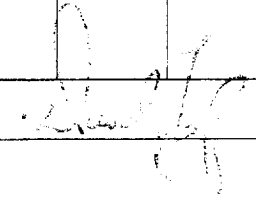
Tr WESTERN MINING CORP.
 1008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numbr : 4-D
 Total Page : 4
 Certificate L : 24-JUL-2001
 Invoice No. : I0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Sn ppm	Sr ppm	Tb ppm	Te ppm	Th ppm	Ti ppm	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Yb ppm	Zn ppm	Zr ppm
			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
609674	225	296	0.15	13.25	0.100	< 0.05	0.77	< 1	0.015	0.020	0.155	1.20	0.01	0.120	3.4	0.15
609683	225	296	< 0.05	0.95	0.035	< 0.05	0.32	< 1	< 0.005	0.005	0.105	0.80	< 0.01	0.055	1.4	0.35
609685	225	296	0.15	7.50	0.015	< 0.05	0.23	< 1	0.005	0.005	0.050	0.35	< 0.01	0.030	8.0	0.20
609686	225	296	0.10	19.65	0.040	< 0.05	0.13	< 1	0.005	0.015	0.050	0.60	< 0.01	0.080	6.8	0.20
609694	225	296	0.05	12.45	0.090	< 0.05	0.33	< 1	0.005	0.025	0.260	0.60	< 0.01	0.140	5.8	0.30
609695	225	296	< 0.05	2.15	0.020	< 0.05	0.29	< 1	0.005	< 0.005	0.170	2.35	< 0.01	0.025	3.6	0.25
609701	225	296	0.05	11.90	0.090	< 0.05	0.41	< 1	0.005	0.025	0.080	0.40	0.01	0.155	4.0	0.05
609705	225	296	0.15	48.6	0.020	< 0.05	0.23	< 1	0.015	0.005	0.040	0.65	< 0.01	0.040	7.6	0.45
609707	225	296	0.15	6.25	0.065	< 0.05	0.83	< 1	0.015	0.015	0.325	1.20	< 0.01	0.105	3.0	0.60
609712	225	296	0.15	10.80	0.020	< 0.05	0.15	< 1	0.015	0.005	0.275	0.30	0.01	0.060	16.6	0.10
609713	225	296	0.20	10.35	0.100	< 0.05	0.49	< 1	< 0.005	0.025	0.165	0.45	0.02	0.150	11.0	0.10
609719	225	296	0.10	18.15	0.060	< 0.05	0.26	< 1	0.005	0.015	0.080	0.65	< 0.01	0.115	2.6	0.35
609724	225	296	0.20	26.6	0.055	< 0.05	0.37	< 1	0.005	0.015	0.090	0.45	< 0.01	0.090	7.0	0.30
609730	225	296	0.05	6.45	0.015	< 0.05	0.21	< 1	0.015	< 0.005	0.050	1.05	< 0.01	0.020	23.8	0.20
609735	225	296	0.05	60.8	0.110	< 0.05	0.16	< 1	0.115	0.030	0.375	0.85	< 0.01	0.175	26.6	0.25

CERTIFICATION:  +



ALS Chemex

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T WESTERN MINING CORP.

3008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numr : 4-E
 Total Page : 4
 Certificate i : 24-JUL-2001
 Invoice No. : I0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	B ppm ICP-MS	Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH				
609674	225 296	< 0.5	0.65	< 0.1	0.01	< 0.005	7.53	< 0.001	0.01	1.905	9.1				
609683	225 296	< 0.5	1.45	< 0.1	0.01	< 0.005	1.405	< 0.001	< 0.01	0.745	9.8				
609685	225 296	< 0.5	0.40	< 0.1	0.01	< 0.005	0.680	< 0.001	< 0.01	0.425	9.0				
609686	225 296	< 0.5	1.10	< 0.1	0.01	0.005	1.490	< 0.001	< 0.01	0.905	9.0				
609694	225 296	< 0.5	1.15	< 0.1	0.01	0.005	5.32	< 0.001	< 0.01	1.845	8.8				
609695	225 296	< 0.5	1.20	< 0.1	< 0.01	< 0.005	1.725	< 0.001	0.01	0.405	9.9				
609701	225 296	< 0.5	0.50	< 0.1	< 0.01	< 0.005	5.82	< 0.001	< 0.01	2.24	9.1				
609705	225 296	< 0.5	0.85	< 0.1	< 0.01	0.005	1.105	< 0.001	< 0.01	0.485	8.6				
609707	225 296	< 0.5	1.70	< 0.1	0.01	0.010	3.81	< 0.001	0.01	1.435	8.9				
609712	225 296	< 0.5	0.50	< 0.1	< 0.01	< 0.005	0.510	< 0.001	< 0.01	0.720	8.9				
609713	225 296	< 0.5	0.60	< 0.1	0.01	0.005	7.26	< 0.001	< 0.01	2.36	8.9				
609719	225 296	< 0.5	1.35	< 0.1	0.01	0.005	3.26	< 0.001	< 0.01	1.460	9.0				
609724	225 296	< 0.5	0.85	< 0.1	0.01	0.010	4.04	< 0.001	< 0.01	1.115	8.9				
609730	225 296	< 0.5	1.10	< 0.1	< 0.01	< 0.005	0.860	< 0.001	0.01	0.245	9.0				
609735	225 296	< 0.5	0.85	< 0.1	< 0.01	0.005	10.65	< 0.001	< 0.01	2.73	9.1				

CERTIFICATION: _____



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 994 Glendale Ave., Unit 3, Sparks
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TO: WESTERN MINING CORP.

108 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number: 1-A
 Total Pages: 14-JUL-2001
 Certificate D.: 10120469
 Invoice No.: MEDWMCQ7
 P.O. Number: GGH
 Account:

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
602101	225 296	0.14	96.3	0.014	1495	0.225	< 0.05	50.3	0.179	0.005	2.0	1500	0.16	2.16	1.15
602102	225 296	0.10	39.0	0.008	2220	0.225	< 0.05	23.0	0.058	0.005	5.0	280	0.11	4.51	0.30
602105	225 296	0.10	72.1	0.042	5330	0.150	< 0.05	36.1	0.230	0.010	10.0	730	0.38	25.1	1.10
602106	225 296	0.08	78.1	< 0.002	2580	0.325	< 0.05	40.1	0.275	0.010	4.0	380	0.49	2.62	0.65
602107	225 296	0.08	75.8	0.018	3270	0.450	< 0.05	41.8	0.068	0.020	6.5	1200	0.42	2.54	1.95
602109	225 296	0.12	40.0	< 0.002	1005	0.150	< 0.05	18.60	0.023	0.005	0.5	240	0.12	1.050	0.15
602111	225 296	0.10	66.2	0.020	3470	0.400	< 0.05	43.9	0.073	0.020	6.5	740	0.18	6.29	0.90
602112	225 296	0.12	41.0	0.008	1900	0.075	< 0.05	13.85	0.064	0.010	2.0	270	0.17	3.80	0.25
602113	225 296	0.12	67.5	0.004	3320	0.500	< 0.05	8.20	0.015	0.030	11.5	450	0.20	1.515	0.85
602114	225 296	0.24	83.5	0.040	11440	0.150	< 0.05	127.5	0.249	0.005	29.5	2390	0.04	66.5	2.60
602115	225 296	0.08	46.5	0.008	2710	0.300	< 0.05	8.05	0.020	0.015	6.0	110	0.09	1.830	0.70
602116	225 296	0.08	79.0	0.046	2360	0.175	< 0.05	55.6	0.138	0.015	3.5	540	0.34	4.16	0.40
602117	225 296	0.10	76.9	0.010	2560	0.125	< 0.05	37.5	0.094	0.015	3.0	70	0.22	2.69	0.30
602118	225 296	0.06	97.5	< 0.002	228	0.100	< 0.05	17.40	0.007	< 0.005	3.5	1320	0.76	0.250	0.15
602119	225 296	0.10	35.4	0.012	1575	0.125	< 0.05	11.55	0.042	0.005	3.0	420	0.09	2.18	0.30
602120	225 296	0.16	43.8	0.026	3080	0.175	< 0.05	30.1	0.134	0.005	10.0	580	0.21	13.60	1.30
602121	225 296	0.08	84.6	0.008	2460	0.225	< 0.05	22.5	0.089	0.005	3.5	1180	1.18	4.21	1.50
602122	225 296	0.16	75.6	0.026	4440	0.300	< 0.05	87.7	0.241	0.010	6.0	1490	0.52	30.1	2.05
602123	225 296	0.08	79.0	< 0.002	3650	0.100	< 0.05	9.40	0.074	0.010	1.0	90	0.02	4.02	0.55
602124	225 296	0.08	94.9	< 0.002	493	0.150	< 0.05	37.8	0.009	< 0.005	6.0	1600	0.29	0.620	0.30
602125	225 296	0.10	62.8	0.018	5670	0.200	< 0.05	38.6	0.177	0.015	8.5	170	0.15	22.8	1.45
602126	225 296	0.14	66.9	0.010	1705	0.175	< 0.05	42.0	0.027	< 0.005	1.5	2050	0.16	0.810	1.10
602127	225 296	0.06	49.6	0.010	986	0.150	< 0.05	58.0	0.048	0.005	1.5	2730	0.25	2.44	0.75
602128	225 296	0.08	77.0	0.040	3860	0.300	< 0.05	60.1	0.243	0.025	7.5	660	0.38	3.60	1.30
602130	225 296	0.18	87.3	< 0.002	1495	0.125	< 0.05	18.60	0.013	< 0.005	3.0	3010	0.19	1.930	0.85
602131	225 296	0.04	28.1	0.002	1980	0.175	< 0.05	6.25	0.015	0.010	4.5	300	0.16	1.880	0.35
602132	225 296	0.14	86.9	0.030	2800	0.375	< 0.05	104.5	0.113	0.020	5.0	3580	1.10	3.79	1.30
602133	225 296	0.20	25.2	0.004	2770	0.150	< 0.05	11.85	0.073	0.005	7.0	210	0.02	4.21	0.60
602134	225 296	0.10	40.8	0.034	2460	0.300	< 0.05	36.3	0.074	0.015	5.0	1070	0.30	4.74	0.90
602135	225 296	0.12	18.6	0.022	4570	0.150	< 0.05	12.20	0.018	0.005	7.5	640	0.09	1.995	1.20
602136	225 296	0.06	88.7	< 0.002	345	0.075	< 0.05	28.8	0.024	< 0.005	3.5	2080	0.47	1.010	0.25
602137	225 296	0.08	91.6	0.024	698	0.225	< 0.05	31.8	0.034	0.005	1.0	1500	0.43	2.74	0.45
602138	225 296	0.10	43.1	0.034	2940	0.375	< 0.05	35.3	0.105	0.015	6.5	600	0.15	16.00	0.45
602139	225 296	0.10	73.0	0.010	542	0.075	< 0.05	28.2	0.010	< 0.005	1.0	880	0.09	0.335	0.10
602140	225 296	0.16	34.6	0.006	3830	0.125	< 0.05	8.20	0.024	0.005	6.0	470	0.08	1.050	0.70
602141	225 296	0.08	70.8	0.008	2340	0.200	< 0.05	18.85	0.146	0.010	4.5	210	0.14	6.48	1.55
602142	225 296	0.08	89.3	0.010	1150	0.725	< 0.05	29.1	0.044	0.010	1.5	680	0.38	1.195	0.20
602144	225 296	0.20	62.2	< 0.002	1475	0.100	< 0.05	2.70	0.005	< 0.005	3.0	160	0.03	0.640	0.60
602145	225 296	0.08	94.2	0.044	7370	0.550	< 0.05	43.0	0.216	0.020	17.5	580	0.15	41.8	2.50
602146	225 296	0.10	90.2	0.030	1990	0.325	< 0.05	54.9	0.096	0.015	4.0	320	0.28	7.89	0.70

CERTIFICATION: _____



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 994 Glendale Ave., Unit 3, Sparks
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To: WESTERN MINING CORP.

808 E. ARAPAHOE COURT, STE. 110
 GLENWOOD, COLORADO
 80112

Page Number : 1-B
 Total Pages : 4
 Certificate L : 14-JUL-2001
 Invoice No. : A0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS

A0120469

SAMPLE	PREP CODE	Cr ppm ICP-MS	Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS
602101	225 296	0.30	0.060	1.45	0.090	0.030	0.025	2160	0.145	< 0.1	0.015	1.1	290	0.05	0.005
602102	225 296	2.75	0.010	1.20	0.205	0.090	0.055	2430	0.320	< 0.1	0.035	1.5	145	0.30	0.010
602105	225 296	0.90	0.015	7.50	0.830	0.320	0.280	1975	1.330	< 0.1	0.120	4.5	110	0.70	0.025
602106	225 296	0.80	0.020	1.40	0.100	0.040	0.025	705	0.130	< 0.1	0.015	1.7	325	0.35	< 0.005
602107	225 296	1.00	0.015	3.35	0.180	0.085	0.070	1765	0.240	< 0.1	0.030	2.3	325	0.10	0.005
602109	225 296	0.50	0.005	0.90	0.055	0.025	0.015	720	0.065	< 0.1	0.005	0.3	305	< 0.05	< 0.005
602111	225 296	0.90	0.010	2.80	0.470	0.225	0.135	2290	0.650	< 0.1	0.080	2.5	545	< 0.05	0.025
602112	225 296	1.30	0.010	5.45	0.120	0.050	0.035	950	0.180	< 0.1	0.015	1.4	180	< 0.05	< 0.005
602113	225 296	1.60	< 0.005	2.10	0.135	0.070	0.030	3630	0.170	< 0.1	0.025	3.3	175	< 0.05	0.005
602114	225 296	3.10	0.015	10.90	2.04	0.730	0.720	4560	3.56	< 0.1	0.295	9.2	75	1.05	0.070
602115	225 296	1.95	0.015	2.40	0.140	0.055	0.040	3160	0.165	< 0.1	0.025	2.7	140	< 0.05	0.005
602116	225 296	2.00	0.030	5.10	0.135	0.050	0.045	1320	0.195	< 0.1	0.020	1.7	195	0.30	0.005
602117	225 296	1.15	0.010	4.45	0.100	0.045	0.035	875	0.125	< 0.1	0.015	1.4	190	0.20	< 0.005
602118	225 296	< 0.05	0.030	0.35	0.015	0.005	< 0.005	< 5	0.025	< 0.1	< 0.005	0.5	395	< 0.05	< 0.005
602119	225 296	2.40	0.010	1.75	0.105	0.035	0.030	725	0.140	< 0.1	0.015	1.4	180	< 0.05	< 0.005
602120	225 296	2.65	0.035	17.45	0.540	0.215	0.170	2720	0.820	< 0.1	0.085	3.4	130	0.40	0.020
602121	225 296	0.10	0.055	1.80	0.180	0.095	0.065	760	0.295	< 0.1	0.030	0.6	670	0.05	0.010
602122	225 296	1.65	0.005	10.35	0.930	0.375	0.325	2720	1.520	< 0.1	0.135	1.6	170	0.35	0.040
602123	225 296	0.90	< 0.005	0.90	0.105	0.035	0.030	2150	0.175	< 0.1	0.015	0.8	205	0.50	< 0.005
602124	225 296	0.30	0.030	1.15	0.025	0.015	0.005	200	0.045	< 0.1	< 0.005	1.3	340	< 0.05	< 0.005
602125	225 296	0.70	0.030	2.35	0.740	0.270	0.240	2380	1.190	< 0.1	0.105	3.5	175	0.05	0.025
602126	225 296	0.35	0.005	0.50	0.045	0.025	0.010	705	0.065	< 0.1	0.005	0.8	275	< 0.05	< 0.005
602127	225 296	2.85	0.005	2.60	0.095	0.035	0.035	855	0.145	< 0.1	0.015	1.2	260	0.10	0.005
602128	225 296	1.90	0.005	6.40	0.210	0.110	0.075	1775	0.255	< 0.1	0.040	3.7	165	0.35	0.015
602130	225 296	1.05	0.005	2.05	0.170	0.090	0.045	990	0.210	< 0.1	0.030	1.1	170	< 0.05	0.010
602131	225 296	0.80	0.005	1.90	0.105	0.040	0.030	1765	0.130	< 0.1	0.020	1.3	175	0.05	< 0.005
602132	225 296	0.70	0.020	2.65	0.250	0.130	0.075	1870	0.350	< 0.1	0.045	2.1	300	0.05	0.020
602133	225 296	7.45	0.015	2.50	0.260	0.100	0.080	2650	0.355	< 0.1	0.040	1.5	55	0.15	0.010
602134	225 296	1.20	0.025	1.20	0.175	0.070	0.055	1300	0.290	< 0.1	0.025	1.6	455	0.20	0.005
602135	225 296	1.95	0.015	5.40	0.165	0.070	0.060	3380	0.185	< 0.1	0.030	3.3	75	< 0.05	0.005
602136	225 296	< 0.05	0.020	0.80	0.040	0.015	0.010	< 5	0.065	< 0.1	0.005	0.6	520	< 0.05	< 0.005
602137	225 296	0.15	0.050	0.70	0.080	0.035	0.025	530	0.140	< 0.1	0.015	0.4	395	< 0.05	< 0.005
602138	225 296	4.00	0.015	2.30	0.400	0.125	0.100	2260	0.785	< 0.1	0.050	4.0	190	1.10	0.015
602139	225 296	2.25	0.015	0.85	0.015	0.005	< 0.005	195	0.020	< 0.1	< 0.005	0.5	95	< 0.05	< 0.005
602140	225 296	4.20	0.020	2.10	0.085	0.045	0.035	3460	0.115	< 0.1	0.015	2.5	180	0.05	0.005
602141	225 296	4.10	0.015	3.85	0.160	0.055	0.050	965	0.260	< 0.1	0.025	1.1	90	0.25	0.005
602142	225 296	0.15	0.025	1.05	0.090	0.050	0.015	500	0.110	< 0.1	0.015	0.6	465	< 0.05	0.005
602144	225 296	0.75	0.005	2.00	0.065	0.030	0.020	1895	0.070	< 0.1	0.005	0.9	25	< 0.05	< 0.005
602145	225 296	0.80	0.020	4.15	0.740	0.185	0.250	2020	1.600	< 0.1	0.085	3.1	340	1.20	0.020
602146	225 296	0.40	0.015	1.00	0.205	0.085	0.060	915	0.380	< 0.1	0.030	1.0	465	0.25	0.005

CERTIFICATION: *[Signature]*



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks 89431
 Nevada, U.S.A.
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

808 E. ARAPAHOE COURT, STE. 110
 ANGLEWOOD, COLORADO
 80112

Page Number : 1-C
 Total Pages : 1
 Certificate D : 4-JUL-2001
 Invoice No. : 0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Mg ppm ICP-MS	Mn ppm ICP-MS	Mo ppm ICP-MS	Na ppm ICP-MS	Nb ppm ICP-MS	Nd ppm ICP-MS	Ni ppm ICP-MS	P ppm ICP-MS	Pb ppm ICP-MS	Pr ppm ICP-MS	Rb ppm ICP-MS	Sb ppm ICP-MS	Se ppm ICP-MS	Sm ppm ICP-MS
	602101	225	296	247	1.7	0.04	----	0.05	1.035	1.80	----	2.71	0.280	2.45	< 0.005	0.25
602102	225	296	66	2.5	0.11	----	0.79	2.12	0.95	----	0.85	0.550	0.53	< 0.005	0.25	0.370
602105	225	296	103	< 0.1	0.03	----	0.17	10.40	3.40	----	1.34	2.90	0.71	0.010	< 0.25	1.495
602106	225	296	220	7.1	0.04	----	0.06	0.830	1.35	----	3.97	0.275	2.53	< 0.005	0.25	0.140
602107	225	296	393	2.9	0.08	----	0.05	1.250	4.90	----	5.89	0.325	1.60	0.005	0.25	0.240
602109	225	296	70	9.8	0.04	----	0.11	0.380	0.30	----	2.47	0.110	1.97	< 0.005	0.25	0.075
602111	225	296	286	10.7	0.06	----	0.16	3.47	2.20	----	2.83	0.825	3.05	< 0.005	< 0.25	0.730
602112	225	296	74	1.3	0.01	----	0.17	1.370	1.40	----	2.30	0.415	0.81	< 0.005	< 0.25	0.205
602113	225	296	353	16.9	0.07	----	0.13	0.765	5.00	----	5.37	0.185	0.96	0.005	0.25	0.155
602114	225	296	427	5.7	0.17	----	0.22	27.9	6.90	----	0.81	7.95	0.46	0.005	0.25	4.06
602115	225	296	93	11.6	0.05	----	0.15	0.825	3.20	----	2.12	0.205	0.64	0.005	< 0.25	0.150
602116	225	296	151	< 0.1	0.01	----	0.11	1.490	1.70	----	1.79	0.445	2.01	< 0.005	0.25	0.240
602117	225	296	44	0.6	0.03	----	0.09	0.985	1.40	----	2.71	0.290	1.42	< 0.005	< 0.25	0.160
602118	225	296	451	2.8	< 0.01	----	< 0.01	0.125	0.20	----	4.18	0.035	2.30	< 0.005	< 0.25	0.030
602119	225	296	92	< 0.1	0.04	----	0.18	0.895	1.10	----	0.97	0.245	0.93	< 0.005	< 0.25	0.165
602120	225	296	91	1.7	0.11	----	0.42	5.79	3.65	----	1.70	1.560	1.36	< 0.005	< 0.25	0.925
602121	225	296	375	13.9	0.04	----	0.01	1.945	1.60	----	11.55	0.515	5.61	< 0.005	< 0.25	0.330
602122	225	296	136	2.3	0.05	----	0.12	12.55	3.65	----	2.52	3.68	1.08	< 0.005	0.25	1.870
602123	225	296	48	6.0	< 0.01	----	0.05	1.395	1.00	----	1.96	0.425	0.53	< 0.005	< 0.25	0.205
602124	225	296	512	48.4	< 0.01	----	0.03	0.295	0.40	----	2.98	0.075	2.09	< 0.005	< 0.25	0.070
602125	225	296	58	< 0.1	0.07	----	0.24	9.26	2.25	----	1.04	2.55	1.68	0.005	< 0.25	1.395
602126	225	296	636	0.5	0.04	----	0.03	0.365	1.10	----	2.03	0.100	1.38	< 0.005	< 0.25	0.090
602127	225	296	296	105.5	0.04	----	0.08	1.045	1.45	----	2.88	0.285	1.14	0.010	0.25	0.205
602128	225	296	130	0.5	0.06	----	0.12	1.580	7.60	----	2.82	0.425	1.33	< 0.005	< 0.25	0.305
602130	225	296	1520	33.3	0.09	----	0.04	1.115	2.45	----	1.25	0.275	0.78	< 0.005	< 0.25	0.225
602131	225	296	118	8.9	0.04	----	0.16	0.800	1.65	----	2.50	0.220	0.68	0.005	< 0.25	0.150
602132	225	296	366	< 0.1	0.13	----	0.09	2.04	9.85	----	3.28	0.520	3.15	0.005	0.50	0.400
602133	225	296	124	0.8	0.06	----	0.57	1.985	2.30	----	1.67	0.515	0.47	< 0.005	< 0.25	0.360
602134	225	296	336	10.0	0.11	----	0.14	2.12	0.85	----	4.28	0.575	3.27	0.005	< 0.25	0.340
602135	225	296	140	2.1	0.05	----	0.08	0.950	7.75	----	0.65	0.230	0.45	0.005	< 0.25	0.180
602136	225	296	570	57.6	0.01	----	< 0.01	0.545	0.50	----	6.58	0.140	2.06	< 0.005	< 0.25	0.100
602137	225	296	483	7.5	0.08	----	0.02	1.260	0.50	----	7.72	0.340	2.91	< 0.005	< 0.25	0.185
602138	225	296	169	5.7	0.05	----	0.30	6.61	2.10	----	2.24	1.840	1.00	< 0.005	< 0.25	0.935
602139	225	296	182	30.0	0.01	----	0.06	0.125	0.50	----	0.38	0.035	0.76	< 0.005	< 0.25	0.035
602140	225	296	438	13.9	0.05	----	0.07	0.515	3.85	----	0.89	0.125	1.42	< 0.005	< 0.25	0.110
602141	225	296	44	1.6	0.05	----	0.35	2.22	8.00	----	1.64	0.685	0.48	< 0.005	< 0.25	0.305
602142	225	296	156	116.0	0.05	----	0.06	0.605	0.35	----	4.14	0.160	3.26	< 0.005	0.50	0.125
602144	225	296	90	11.4	0.01	----	< 0.01	0.350	2.45	----	0.18	0.085	0.22	< 0.005	< 0.25	0.065
602145	225	296	175	10.4	0.07	----	0.07	14.75	4.05	----	7.34	4.61	3.01	< 0.005	0.25	1.935
602146	225	296	172	4.1	0.11	----	0.04	3.31	1.20	----	7.41	0.940	2.30	< 0.005	0.25	0.475

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

508 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

Page Number: 1-D
 Total Pages: 4
 Certificate #: 24-JUL-2001
 Invoice No.: I0120469
 P.O. Number: MEDWMCQ7
 Account: GGH

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Sn ppm ICP-MS	Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Tm ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS
602101	225 296	< 0.05	29.3	0.015	< 0.05	0.18	12	0.015	< 0.005	0.100	0.80	< 0.01	0.030	21.0	0.15
602102	225 296	< 0.05	5.15	0.040	< 0.05	0.35	< 1	0.005	0.005	0.175	3.25	0.01	0.070	2.4	< 0.05
602105	225 296	0.15	9.10	0.165	< 0.05	0.43	8	< 0.005	0.045	0.100	0.70	< 0.01	0.240	14.0	0.40
602106	225 296	0.15	9.95	0.020	< 0.05	0.34	9	0.010	0.005	0.075	0.45	< 0.01	0.030	16.8	0.25
602107	225 296	0.10	18.55	0.035	< 0.05	0.15	4	0.005	0.010	0.050	0.75	< 0.01	0.065	7.6	0.30
602109	225 296	0.05	3.15	0.005	< 0.05	0.14	4	0.005	< 0.005	0.030	0.70	0.01	0.015	11.8	< 0.05
602111	225 296	0.15	6.60	0.095	< 0.05	0.25	3	0.015	0.030	0.110	0.80	< 0.01	0.175	6.4	0.20
602112	225 296	0.10	3.80	0.025	< 0.05	0.39	10	< 0.005	< 0.005	0.165	0.65	< 0.01	0.040	9.4	0.35
602113	225 296	0.15	3.20	0.025	< 0.05	0.16	8	< 0.005	0.005	0.030	1.05	< 0.01	0.045	5.0	0.30
602114	225 296	< 0.05	16.25	0.465	< 0.05	1.57	2	0.020	0.090	0.815	1.65	0.01	0.525	1.2	0.60
602115	225 296	0.05	0.80	0.025	< 0.05	0.16	5	0.005	0.005	0.040	1.35	< 0.01	0.050	2.4	0.25
602116	225 296	0.15	10.45	0.025	< 0.05	0.30	< 1	0.005	0.005	0.065	0.75	< 0.01	0.045	40.8	0.35
602117	225 296	0.10	4.80	0.020	< 0.05	0.54	9	< 0.005	0.005	0.115	0.40	0.02	0.035	7.2	0.05
602118	225 296	0.05	14.15	< 0.005	< 0.05	0.21	13	0.010	< 0.005	0.015	0.15	< 0.01	0.005	13.4	0.15
602119	225 296	0.10	3.25	0.020	< 0.05	0.35	8	< 0.005	0.005	0.140	0.60	< 0.01	0.030	2.8	0.35
602120	225 296	0.05	4.75	0.110	< 0.05	0.89	< 1	0.015	0.025	0.380	2.20	0.01	0.150	5.4	0.45
602121	225 296	0.05	10.00	0.040	< 0.05	0.11	5	0.010	0.010	0.045	0.35	< 0.01	0.075	36.6	0.10
602122	225 296	0.05	23.3	0.185	< 0.05	0.84	< 1	0.005	0.045	0.280	0.50	0.01	0.275	18.4	0.05
602123	225 296	< 0.05	2.55	0.020	< 0.05	0.16	44	0.005	0.005	0.210	0.20	< 0.01	0.025	2.4	< 0.05
602124	225 296	0.05	9.55	0.005	< 0.05	0.09	14	0.015	< 0.005	0.020	0.20	< 0.01	0.015	25.8	0.15
602125	225 296	0.10	5.40	0.150	< 0.05	0.43	2	0.010	< 0.035	0.180	1.40	< 0.01	0.195	2.0	0.45
602126	225 296	< 0.05	14.95	0.005	< 0.05	0.10	11	0.005	< 0.005	0.025	0.35	< 0.01	0.015	17.0	0.10
602127	225 296	0.10	18.50	0.020	< 0.05	0.31	8	0.015	0.005	0.045	0.70	< 0.01	0.030	22.6	0.25
602128	225 296	0.10	14.10	0.040	< 0.05	0.58	3	< 0.005	0.015	0.200	0.60	< 0.01	0.100	9.0	0.45
602130	225 296	0.05	18.55	0.030	< 0.05	0.12	14	< 0.005	0.010	0.040	0.50	< 0.01	0.080	14.4	0.20
602131	225 296	0.05	2.00	0.020	< 0.05	0.17	14	< 0.005	0.005	0.035	1.10	< 0.01	0.030	5.8	0.10
602132	225 296	0.05	25.8	0.045	< 0.05	0.44	4	0.010	0.020	0.280	0.55	< 0.01	0.135	56.4	0.35
602133	225 296	0.15	2.05	0.050	< 0.05	0.56	< 1	0.010	0.015	0.165	6.90	0.01	0.085	2.8	0.75
602134	225 296	0.20	11.75	0.040	< 0.05	0.32	8	0.020	0.010	0.260	0.65	< 0.01	0.060	20.2	0.20
602135	225 296	< 0.05	4.65	0.030	< 0.05	0.15	8	< 0.005	0.005	0.065	0.90	< 0.01	0.055	2.0	0.30
602136	225 296	0.05	14.50	0.005	< 0.05	0.03	7	0.005	< 0.005	0.065	0.15	< 0.01	0.020	45.0	0.05
602137	225 296	0.20	12.00	0.020	< 0.05	0.10	12	0.020	< 0.005	0.110	0.40	< 0.01	0.030	53.0	0.10
602138	225 296	0.15	5.90	0.090	< 0.05	1.45	< 1	0.005	0.015	0.520	0.65	< 0.01	0.100	11.8	0.40
602139	225 296	< 0.05	6.80	< 0.005	< 0.05	0.08	6	0.005	< 0.005	0.015	0.60	< 0.01	0.005	11.8	0.05
602140	225 296	0.05	2.75	0.015	< 0.05	0.11	9	< 0.005	0.005	0.040	3.05	< 0.01	0.035	4.4	0.50
602141	225 296	0.05	3.95	0.035	< 0.05	0.97	< 1	0.010	0.005	0.235	1.30	0.01	0.045	3.6	0.45
602142	225 296	0.15	7.70	0.015	< 0.05	0.11	4	0.005	0.005	0.165	0.30	0.01	0.045	24.6	< 0.05
602144	225 296	< 0.05	1.05	0.010	< 0.05	0.03	13	< 0.005	< 0.005	0.005	0.45	< 0.01	0.020	1.4	0.05
602145	225 296	0.05	12.70	0.175	< 0.05	0.65	4	0.030	0.020	0.530	0.55	< 0.01	0.140	17.8	0.15
602146	225 296	0.20	10.50	0.045	< 0.05	0.48	< 1	0.025	0.010	0.530	0.55	0.01	0.070	13.4	< 0.05

CERTIFICATION: _____



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 994 Glendale Ave., Unit 3, Sparks
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To: WESTERN MINING CORP.

108 E. ARAPAHOE COURT, STE. 110
 SNGLEWOOD, COLORADO
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CERTIFICATE OF ANALYSIS

A0120469

SAMPLE	PREP CODE	B ppm ICP-MS	Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH				
602101	225 296	< 0.5	0.10	< 0.1	0.01	0.005	1.100	< 0.001	< 0.01	0.375	7.9				
602102	225 296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	2.24	< 0.001	0.03	0.925	8.9				
602105	225 296	< 0.5	0.85	< 0.1	0.02	0.005	12.55	< 0.001	< 0.01	3.38	8.2				
602106	225 296	< 0.5	0.05	< 0.1	0.01	0.005	1.745	< 0.001	< 0.01	0.515	8.5				
602107	225 296	< 0.5	0.40	< 0.1	0.01	0.005	1.160	< 0.001	< 0.01	0.855	8.5				
602109	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.475	< 0.001	< 0.01	0.215	9.0				
602111	225 296	< 0.5	0.60	< 0.1	0.01	0.005	2.87	< 0.001	< 0.01	2.00	8.6				
602112	225 296	< 0.5	0.25	< 0.1	0.01	< 0.005	1.900	< 0.001	0.01	0.475	8.7				
602113	225 296	< 0.5	0.50	< 0.1	0.01	0.005	0.635	< 0.001	< 0.01	0.620	8.6				
602114	225 296	< 0.5	1.00	< 0.1	0.05	0.005	37.2	< 0.001	0.01	8.25	9.2				
602115	225 296	< 0.5	0.75	< 0.1	0.01	< 0.005	0.800	< 0.001	< 0.01	0.580	9.1				
602116	225 296	< 0.5	0.25	< 0.1	0.01	0.005	2.10	< 0.001	< 0.01	0.565	8.2				
602117	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	1.400	< 0.001	< 0.01	0.460	8.4				
602118	225 296	< 0.5	0.10	< 0.1	< 0.01	< 0.005	0.140	< 0.001	< 0.01	0.070	8.4				
602119	225 296	< 0.5	0.20	< 0.1	0.03	< 0.005	1.110	< 0.001	< 0.01	0.400	8.9				
602120	225 296	< 0.5	1.05	< 0.1	0.02	0.005	6.98	< 0.001	0.03	2.21	8.8				
602121	225 296	< 0.5	0.50	< 0.1	< 0.01	0.005	2.17	< 0.001	< 0.01	0.890	8.7				
602122	225 296	< 0.5	0.25	< 0.1	0.01	< 0.005	16.35	< 0.001	< 0.01	4.16	8.8				
602123	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	2.24	< 0.001	< 0.01	0.430	8.6				
602124	225 296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	0.285	< 0.001	< 0.01	0.125	8.2				
602125	225 296	< 0.5	1.20	< 0.1	0.02	0.005	11.50	< 0.001	0.01	2.80	8.2				
602126	225 296	< 0.5	0.25	< 0.1	< 0.01	< 0.005	0.400	< 0.001	< 0.01	0.215	8.3				
602127	225 296	< 0.5	0.20	< 0.1	< 0.01	< 0.005	1.270	< 0.001	< 0.01	0.430	8.7				
602128	225 296	< 0.5	0.30	< 0.1	0.02	0.005	1.565	< 0.001	< 0.01	0.980	8.1				
602130	225 296	< 0.5	0.20	< 0.1	0.01	< 0.005	0.975	< 0.001	< 0.01	0.870	8.4				
602131	225 296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.955	< 0.001	< 0.01	0.425	9.1				
602132	225 296	< 0.5	0.25	< 0.1	0.01	0.005	1.960	< 0.001	< 0.01	1.285	8.5				
602133	225 296	< 0.5	2.85	< 0.1	0.04	0.005	2.03	< 0.001	0.04	1.010	9.7				
602134	225 296	< 0.5	0.30	< 0.1	< 0.01	0.005	2.38	< 0.001	< 0.01	0.730	8.5				
602135	225 296	< 0.5	0.85	< 0.1	0.02	< 0.005	0.910	< 0.001	< 0.01	0.690	9.4				
602136	225 296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	0.490	< 0.001	< 0.01	0.170	8.3				
602137	225 296	< 0.5	0.20	< 0.1	0.01	0.005	1.315	< 0.001	< 0.01	0.345	8.7				
602138	225 296	< 0.5	0.55	< 0.1	0.01	0.005	8.28	< 0.001	0.02	1.290	8.8				
602139	225 296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	0.195	< 0.001	< 0.01	0.050	9.0				
602140	225 296	< 0.5	1.00	< 0.1	0.01	< 0.005	0.485	< 0.001	< 0.01	0.390	9.6				
602141	225 296	< 0.5	0.40	< 0.1	0.01	< 0.005	3.89	< 0.001	0.03	0.670	9.1				
602142	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.540	< 0.001	< 0.01	0.490	8.6				
602144	225 296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.265	< 0.001	< 0.01	0.240	10.0				
602145	225 296	< 0.5	0.45	< 0.1	0.01	0.005	24.0	< 0.001	< 0.01	2.38	8.7				
602146	225 296	< 0.5	< 0.05	< 0.1	< 0.01	0.005	3.83	< 0.001	< 0.01	0.820	8.6				

CERTIFICATION: 



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

308 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 2-A
 Total Pages : 4
 Certificate D : 14-JUL-2001
 Invoice No. : 10120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
602147	225 296	0.10	78.4	0.010	825	0.150	< 0.05	34.7	0.029	< 0.005	1.5	820	0.16	0.690	0.15
602148	225 296	0.12	94.3	0.010	982	0.225	< 0.05	36.4	0.059	0.005	2.0	1350	0.22	5.34	0.55
602149	225 296	0.08	52.2	< 0.002	1655	0.225	< 0.05	2.00	0.018	0.025	3.0	50	0.05	1.400	1.50
602151	225 296	0.12	59.1	0.020	2210	0.200	< 0.05	6.60	0.007	0.005	8.5	310	0.09	0.745	0.55
602152	225 296	0.12	74.5	0.054	2940	0.125	< 0.05	36.9	0.331	0.015	5.5	400	0.43	0.895	0.60
602153	225 296	0.06	46.8	0.046	3730	0.175	< 0.05	41.2	0.199	0.005	8.5	420	0.28	21.1	1.60
602154	225 296	0.12	32.8	0.012	1450	0.075	< 0.05	46.9	0.046	< 0.005	3.5	2480	0.15	3.59	0.35
602158	225 296	0.16	77.9	0.010	5280	0.225	< 0.05	74.2	0.138	0.020	9.0	210	0.15	12.95	2.20
602159	225 296	0.10	97.2	< 0.002	606	0.050	< 0.05	42.8	0.013	< 0.005	0.5	430	0.12	0.470	0.20
602161	225 296	0.06	91.7	< 0.002	337	0.175	< 0.05	20.4	0.001	< 0.005	1.5	2110	0.33	0.525	0.45
602162	225 296	0.12	71.9	0.044	4490	0.475	< 0.05	33.9	0.403	0.020	12.0	280	0.12	32.2	1.75
602163	225 296	0.12	81.7	0.002	2550	0.200	< 0.05	8.85	0.015	0.005	4.0	800	0.17	1.510	1.70
602164	225 296	0.12	27.5	0.008	1755	0.325	< 0.05	16.85	0.051	0.005	7.5	350	0.09	7.58	0.35
602165	225 296	0.12	33.6	0.010	1440	0.225	< 0.05	16.50	0.027	< 0.005	2.5	610	0.12	2.05	0.20
602166	225 296	0.20	89.4	0.006	3370	< 0.025	< 0.05	106.0	0.053	< 0.005	6.5	7130	0.09	6.70	6.15
602167	225 296	0.18	69.3	0.026	6830	0.200	< 0.05	17.75	0.339	0.005	18.5	290	0.05	55.6	1.05
602168	225 296	0.12	53.7	0.018	813	0.175	< 0.05	46.5	0.057	0.005	2.0	1570	0.24	7.36	0.30
602170	225 296	0.12	61.1	0.030	5490	0.275	< 0.05	13.30	0.112	0.015	12.0	50	0.21	5.18	1.20
602171	225 296	0.08	77.8	0.032	2160	0.275	< 0.05	50.3	0.037	0.015	5.0	970	0.20	2.83	0.80
602172	225 296	0.06	97.3	0.006	1630	0.150	< 0.05	45.0	0.104	< 0.005	3.5	1860	0.17	0.565	0.35
602173	225 296	0.12	61.8	0.022	253	0.550	< 0.05	68.3	0.421	0.035	6.0	540	0.52	6.60	0.50
602174	225 296	0.12	58.8	0.022	2770	0.250	< 0.05	31.0	0.153	0.010	5.0	570	0.22	7.41	0.40
602176	225 296	0.10	82.2	0.010	3280	0.325	< 0.05	10.60	0.030	0.015	10.0	130	0.16	3.20	0.70
602177	225 296	0.12	37.2	0.060	1940	0.225	< 0.05	16.10	0.109	0.005	5.5	350	0.21	9.87	0.70
602178	225 296	0.10	65.2	0.020	2900	0.325	< 0.05	26.3	0.134	0.015	6.0	480	0.15	12.90	0.35
602179	225 296	0.10	51.4	0.032	2210	0.150	< 0.05	57.2	0.223	0.015	5.0	1280	0.31	12.30	0.90
602180	225 296	0.14	90.3	0.002	1505	0.075	< 0.05	73.7	0.089	< 0.005	5.0	2440	0.85	10.45	2.90
602181	225 296	0.10	96.2	< 0.002	897	0.075	< 0.05	30.3	0.044	< 0.005	2.0	2380	0.17	2.13	1.60
602182	225 296	0.14	39.4	0.012	2100	0.075	< 0.05	51.8	0.097	0.010	3.0	630	0.18	14.80	0.50
602184	225 296	0.08	74.9	0.026	952	0.175	< 0.05	62.7	0.038	0.005	1.5	1670	0.30	1.225	0.35
602185	225 296	0.08	85.4	0.024	4160	0.325	< 0.05	44.5	0.127	0.015	7.5	3070	0.62	16.60	2.95
602186	225 296	0.12	81.3	0.024	2380	0.350	< 0.05	27.9	0.155	0.010	4.5	1020	0.25	16.00	0.70
602187	225 296	0.12	53.1	0.020	1350	0.225	< 0.05	33.6	0.047	0.005	2.0	930	0.18	2.95	0.40
602188	225 296	0.08	46.5	0.008	2510	0.275	< 0.05	32.2	0.081	0.010	2.5	320	0.30	1.745	0.50
602189	225 296	0.18	72.3	0.004	4340	0.325	< 0.05	42.0	0.070	0.015	9.0	760	0.13	3.25	1.55
602190	225 296	0.10	73.8	0.010	2980	0.500	< 0.05	21.9	0.021	0.025	17.5	270	0.34	1.975	0.60
602191	225 296	0.12	73.2	0.050	5030	1.050	< 0.05	34.6	0.255	0.040	15.0	50	0.11	19.70	1.45
602192	225 296	0.10	96.6	0.010	1415	0.200	< 0.05	53.5	0.023	< 0.005	3.0	2330	0.74	1.605	1.75
602193	225 296	0.10	99.4	0.002	91	0.075	< 0.05	33.8	0.001	< 0.005	1.0	770	0.11	0.170	0.10
602195	225 296	0.10	58.5	0.002	638	0.125	< 0.05	35.6	0.030	0.010	0.5	660	0.19	0.735	0.20

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks 89431
 Nevada, U.S.A.
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

108 E. ARAPAHOE COURT, STE. 110
 FORT COLLINS, COLORADO
 80521

Page Number : 2-B
 Total Pages : 1
 Certificate D : 14-JUL-2001
 Invoice No. : A0120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Cr ppm ICP-MS	Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS
602147	225 296	0.35	0.045	0.50	0.025	0.010	0.005	120	0.040	< 0.1	< 0.005	0.4	195	< 0.05	< 0.005
602148	225 296	0.20	0.020	1.05	0.180	0.075	0.070	550	0.310	< 0.1	0.030	0.6	260	< 0.05	0.005
602149	225 296	0.95	< 0.005	1.10	0.160	0.080	0.025	2070	0.160	< 0.1	0.030	0.7	140	0.65	0.005
602151	225 296	1.15	0.005	1.65	0.070	0.035	0.025	1310	0.085	< 0.1	0.015	1.8	80	< 0.05	< 0.005
602152	225 296	8.20	0.035	7.55	0.050	0.020	0.030	625	0.055	< 0.1	0.005	2.8	170	0.85	< 0.005
602153	225 296	2.50	0.015	9.40	0.615	0.220	0.235	1185	1.065	< 0.1	0.090	3.8	50	< 0.05	0.025
602154	225 296	3.10	0.010	2.90	0.100	0.035	0.025	1090	0.145	< 0.1	0.015	2.0	95	< 0.05	0.005
602158	225 296	2.10	< 0.005	5.45	0.495	0.235	0.160	3370	0.745	< 0.1	0.080	4.9	100	0.25	0.025
602159	225 296	0.05	< 0.005	0.40	0.025	0.010	0.005	110	0.035	< 0.1	< 0.005	0.4	195	< 0.05	< 0.005
602161	225 296	0.05	0.015	0.75	0.035	0.015	0.005	< 5	0.045	< 0.1	0.005	0.4	200	< 0.05	< 0.005
602162	225 296	2.45	0.025	5.50	0.735	0.225	0.220	2690	1.225	< 0.1	0.095	5.9	90	0.05	0.020
602163	225 296	2.10	0.010	1.95	0.135	0.060	0.035	3310	0.170	< 0.1	0.025	1.4	145	< 0.05	0.005
602164	225 296	2.95	0.010	3.25	0.245	0.100	0.055	1810	0.385	< 0.1	0.040	2.0	110	0.15	0.010
602165	225 296	1.15	< 0.005	0.80	0.085	0.040	0.035	1115	0.140	< 0.1	0.015	1.0	170	< 0.05	< 0.005
602166	225 296	0.25	< 0.005	5.60	0.435	0.230	0.135	1205	0.535	< 0.1	0.075	1.5	70	0.05	0.030
602167	225 296	11.75	0.015	34.3	0.930	0.265	0.245	2930	1.855	< 0.1	0.115	5.5	35	0.20	0.030
602168	225 296	0.60	0.020	2.45	0.235	0.080	0.040	310	0.345	< 0.1	0.030	0.8	225	< 0.05	0.005
602170	225 296	2.60	0.025	16.40	0.280	0.110	0.095	4250	0.335	< 0.1	0.045	5.0	50	0.95	0.005
602171	225 296	1.95	0.015	10.80	0.155	0.065	0.050	1710	0.210	< 0.1	0.020	3.1	240	< 0.05	0.005
602172	225 296	0.05	0.020	0.35	0.025	0.010	0.005	< 5	0.035	< 0.1	< 0.005	0.7	240	< 0.05	< 0.005
602173	225 296	1.90	0.040	5.80	0.245	0.105	0.065	< 5	0.350	< 0.1	0.040	3.6	10	0.95	0.010
602174	225 296	0.90	0.020	4.45	0.255	0.105	0.085	1050	0.415	< 0.1	0.040	1.9	80	0.90	0.005
602176	225 296	14.05	< 0.005	6.65	0.260	0.135	0.075	2750	0.315	< 0.1	0.045	4.5	160	< 0.05	0.015
602177	225 296	3.50	0.015	11.40	0.265	0.100	0.105	1605	0.520	< 0.1	0.040	2.2	85	< 0.05	0.005
602178	225 296	1.40	0.020	2.50	0.360	0.110	0.100	1820	0.585	< 0.1	0.050	3.1	295	< 0.05	0.010
602179	225 296	2.80	0.035	4.70	0.395	0.135	0.070	890	0.615	< 0.1	0.055	3.4	175	0.40	0.015
602180	225 296	2.05	0.015	1.25	0.165	0.055	0.045	605	0.315	< 0.1	0.020	2.6	80	< 0.05	0.005
602181	225 296	< 0.05	0.020	0.90	0.100	0.065	0.030	640	0.175	< 0.1	0.020	0.4	875	< 0.05	0.005
602182	225 296	3.40	0.015	4.95	0.285	0.090	0.085	1155	0.565	< 0.1	0.035	1.5	55	0.05	0.005
602184	225 296	0.55	0.025	1.60	0.055	0.030	0.025	380	0.095	< 0.1	0.005	1.1	275	< 0.05	< 0.005
602185	225 296	2.35	< 0.005	21.1	0.620	0.225	0.180	2180	0.935	< 0.1	0.095	3.7	215	0.15	0.025
602186	225 296	2.30	0.005	1.50	0.455	0.160	0.160	2000	0.840	< 0.1	0.065	1.9	335	< 0.05	0.015
602187	225 296	2.60	0.015	1.80	0.070	0.025	0.020	825	0.115	< 0.1	0.010	0.9	130	0.05	< 0.005
602188	225 296	2.95	0.005	2.45	0.085	0.040	0.020	985	0.130	< 0.1	0.015	1.1	215	0.30	< 0.005
602189	225 296	5.70	0.005	7.45	0.195	0.090	0.075	3740	0.255	< 0.1	0.035	4.4	130	0.45	0.010
602190	225 296	2.25	0.010	7.65	0.125	0.060	0.030	2530	0.130	< 0.1	0.020	5.1	135	< 0.05	< 0.005
602191	225 296	2.30	0.005	4.00	0.530	0.185	0.160	1950	0.850	< 0.1	0.075	4.6	285	0.90	0.020
602192	225 296	0.05	0.010	0.50	0.090	0.040	0.025	280	0.135	< 0.1	0.015	0.6	260	< 0.05	0.005
602193	225 296	< 0.05	0.020	0.75	0.010	0.005	< 0.005	< 5	0.015	< 0.1	< 0.005	0.3	150	< 0.05	< 0.005
602195	225 296	3.15	0.025	1.95	0.030	0.015	0.005	575	0.040	< 0.1	< 0.005	0.6	215	< 0.05	< 0.005

CERTIFICATION: 



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 994 Glendale Ave., Unit 3, Sparks
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To: WESTERN MINING CORP.

108 E. ARAPAHOE COURT, STE. 110
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CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Mg ppm ICP-MS	Mn ppm ICP-MS	Mo ppm ICP-MS	Na ppm ICP-MS	Nb ppm ICP-MS	Nd ppm ICP-MS	Ni ppm ICP-MS	P ppm ICP-MS	Pb ppm ICP-MS	Pr ppm ICP-MS	Rb ppm ICP-MS	Sb ppm ICP-MS	Se ppm ICP-MS	Sm ppm ICP-MS
602147	225 296	187	42.9	< 0.01	-----	0.02	0.275	0.35	-----	1.33	0.075	2.07	< 0.005	0.25	0.055
602148	225 296	205	1.4	0.05	-----	0.01	2.44	0.45	-----	2.10	0.690	1.87	< 0.005	0.25	0.385
602149	225 296	82	5.2	< 0.01	-----	0.01	0.715	1.20	-----	2.13	0.175	0.66	< 0.005	< 0.25	0.155
602151	225 296	133	3.9	0.04	-----	0.13	0.385	2.25	-----	0.89	0.090	0.45	< 0.005	< 0.25	0.080
602152	225 296	147	50.2	0.03	-----	0.77	0.335	5.55	-----	1.81	0.095	1.20	< 0.005	< 0.25	0.070
602153	225 296	65	0.3	0.05	-----	0.28	8.30	10.55	-----	1.42	2.37	0.36	< 0.005	< 0.25	1.235
602154	225 296	364	< 0.1	0.03	-----	0.25	1.190	1.65	-----	0.86	0.375	0.43	< 0.005	< 0.25	0.205
602158	225 296	162	2.5	0.07	-----	0.20	5.18	6.90	-----	2.05	1.410	0.35	< 0.005	0.25	0.825
602159	225 296	105	18.2	< 0.01	-----	< 0.01	0.215	0.15	-----	1.13	0.055	1.30	< 0.005	< 0.25	0.055
602161	225 296	543	6.9	< 0.01	-----	< 0.01	0.260	0.75	-----	3.29	0.065	1.52	< 0.005	< 0.25	0.060
602162	225 296	84	< 0.1	0.10	-----	0.28	10.75	6.85	-----	2.89	3.26	0.63	< 0.005	0.25	1.470
602163	225 296	960	17.1	0.06	-----	0.11	0.760	4.95	-----	0.81	0.175	0.63	< 0.005	< 0.25	0.160
602164	225 296	33	3.2	0.07	-----	0.51	2.71	1.55	-----	1.40	0.790	0.68	< 0.005	0.25	0.435
602165	225 296	100	25.4	0.02	-----	0.21	0.860	0.40	-----	0.98	0.225	0.63	< 0.005	< 0.25	0.165
602166	225 296	2150	< 0.1	0.05	-----	0.01	3.50	9.40	-----	0.34	0.870	0.42	< 0.005	< 0.25	0.645
602167	225 296	64	< 0.1	0.08	-----	0.46	17.70	6.75	-----	2.45	5.58	0.28	< 0.005	0.50	2.15
602168	225 296	253	59.7	0.02	-----	0.05	2.57	0.50	-----	4.40	0.785	2.32	< 0.005	< 0.25	0.390
602170	225 296	96	0.1	0.08	-----	0.19	2.04	11.40	-----	1.93	0.595	0.48	< 0.005	0.25	0.355
602171	225 296	198	1.3	0.05	-----	0.23	1.205	5.30	-----	1.57	0.325	1.86	< 0.005	< 0.25	0.245
602172	225 296	931	21.3	< 0.01	-----	0.01	0.240	0.35	-----	0.55	0.070	1.89	< 0.005	< 0.25	0.070
602173	225 296	161	< 0.1	0.05	-----	0.36	2.44	3.90	-----	4.52	0.720	1.81	< 0.005	< 0.25	0.400
602174	225 296	67	0.3	0.01	-----	0.12	2.87	1.40	-----	1.59	0.830	0.83	< 0.005	0.50	0.450
602176	225 296	304	1.3	0.03	-----	0.09	1.560	6.90	-----	2.13	0.395	0.61	< 0.005	< 0.25	0.310
602177	225 296	99	0.8	0.07	-----	0.52	4.00	5.85	-----	1.38	1.145	0.65	< 0.005	< 0.25	0.600
602178	225 296	126	10.6	0.04	-----	0.34	4.70	1.60	-----	5.01	1.375	1.27	< 0.005	< 0.25	0.710
602179	225 296	254	1.3	0.06	-----	0.16	4.45	4.05	-----	2.78	1.405	1.28	< 0.005	< 0.25	0.730
602180	225 296	737	< 0.1	0.11	-----	0.12	2.64	9.65	-----	0.46	0.900	0.59	< 0.005	< 0.25	0.325
602181	225 296	1635	5.9	0.04	-----	< 0.01	1.065	1.40	-----	11.70	0.255	4.42	< 0.005	< 0.25	0.185
602182	225 296	62	6.3	0.03	-----	0.26	5.45	3.05	-----	1.22	1.675	0.39	< 0.005	0.25	0.695
602184	225 296	423	51.2	0.03	-----	0.07	0.600	0.80	-----	3.52	0.145	2.07	< 0.005	< 0.25	0.150
602185	225 296	769	2.1	0.11	-----	0.12	6.35	31.7	-----	2.57	1.880	1.13	0.005	< 0.25	1.010
602186	225 296	219	7.0	0.06	-----	0.19	6.30	1.50	-----	2.57	1.805	1.90	0.005	< 0.25	0.995
602187	225 296	121	9.9	0.03	-----	0.13	1.055	1.25	-----	1.03	0.315	0.90	< 0.005	0.25	0.155
602188	225 296	114	3.0	0.02	-----	0.10	0.780	2.00	-----	1.53	0.210	0.96	< 0.005	0.50	0.150
602189	225 296	380	12.3	0.08	-----	0.18	1.425	8.50	-----	1.58	0.385	0.92	< 0.005	< 0.25	0.275
602190	225 296	137	< 0.1	0.04	-----	0.10	0.750	4.45	-----	1.86	0.220	1.03	< 0.005	0.25	0.145
602191	225 296	45	0.5	0.12	-----	0.22	7.36	3.60	-----	3.50	2.24	1.12	0.005	0.75	1.045
602192	225 296	720	0.7	0.02	-----	0.01	0.765	0.60	-----	2.76	0.190	1.56	< 0.005	< 0.25	0.160
602193	225 296	62	2.3	< 0.01	-----	< 0.01	0.075	0.20	-----	1.93	0.025	0.88	< 0.005	< 0.25	0.035
602195	225 296	109	42.8	0.06	-----	0.06	0.310	1.25	-----	2.58	0.085	0.96	< 0.005	0.25	0.065

CERTIFICATION: *[Signature]*



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

98 E. ARAPAHOE COURT, STE. 110
 GLEWOOD, COLORADO
 80112

Page Number 2-D
 Total Pages
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Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Sn ppm ICP-MS	Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Tm ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS
602147	225 296	0.05	16.15	< 0.005	< 0.05	0.11	4	0.005	< 0.005	0.030	0.20	< 0.01	0.010	33.4	< 0.05
602148	225 296	0.05	19.05	0.040	< 0.05	0.22	7	0.005	0.010	0.085	0.45	< 0.01	0.060	22.2	< 0.05
602149	225 296	0.05	0.85	0.025	< 0.05	0.04	22	0.005	0.005	0.005	0.40	< 0.01	0.045	2.8	< 0.05
602151	225 296	< 0.05	1.85	0.010	< 0.05	0.09	< 1	< 0.005	< 0.005	0.015	1.30	< 0.01	0.025	9.4	0.20
602152	225 296	0.25	7.85	0.005	< 0.05	0.80	< 1	0.005	< 0.005	0.225	0.65	< 0.01	0.020	42.8	0.50
602153	225 296	0.05	7.50	0.135	< 0.05	0.90	4	0.010	0.030	0.700	0.80	< 0.01	0.170	2.2	0.35
602154	225 296	0.05	20.5	0.020	< 0.05	0.79	1	< 0.005	< 0.005	0.055	0.60	< 0.01	0.030	25.6	0.30
602158	225 296	0.05	8.10	0.095	< 0.05	1.05	10	< 0.005	0.030	0.715	0.65	< 0.01	0.185	2.6	0.50
602159	225 296	0.05	10.45	< 0.005	< 0.05	0.06	15	< 0.005	< 0.005	0.015	0.20	< 0.01	0.005	22.8	< 0.05
602161	225 296	< 0.05	10.50	0.005	< 0.05	0.04	15	0.005	< 0.005	0.010	0.10	< 0.01	0.020	13.8	0.05
602162	225 296	0.10	9.70	0.160	< 0.05	0.96	7	0.005	0.025	0.875	1.20	< 0.01	0.160	2.4	0.40
602163	225 296	< 0.05	5.10	0.025	< 0.05	0.12	4	< 0.005	0.005	0.020	2.10	< 0.01	0.045	9.6	0.30
602164	225 296	0.05	3.65	0.050	< 0.05	2.29	< 1	0.005	0.015	0.915	0.95	0.02	0.070	1.6	< 0.05
602165	225 296	0.05	3.80	0.020	< 0.05	0.20	7	< 0.005	0.005	0.025	1.05	< 0.01	0.030	4.6	0.20
602166	225 296	< 0.05	43.3	0.080	< 0.05	0.17	11	0.005	0.030	0.225	0.30	< 0.01	0.220	1.6	0.15
602167	225 296	0.05	4.05	0.220	< 0.05	1.68	< 1	0.005	0.035	1.310	1.10	0.01	0.205	7.2	0.45
602168	225 296	0.05	12.35	0.050	< 0.05	0.19	6	0.005	0.005	0.075	0.35	< 0.01	0.045	22.2	0.15
602170	225 296	0.05	3.65	0.050	< 0.05	0.42	< 1	0.005	0.015	0.240	1.80	< 0.01	0.085	3.2	0.45
602171	225 296	0.05	9.35	0.025	< 0.05	0.47	3	< 0.005	0.005	0.065	0.55	< 0.01	0.055	2.0	0.30
602172	225 296	< 0.05	33.4	0.005	< 0.05	0.10	2	< 0.005	< 0.005	0.015	0.15	< 0.01	0.005	61.8	0.20
602173	225 296	0.20	12.10	0.050	< 0.05	1.70	3	0.005	0.015	0.735	0.55	< 0.01	0.085	13.2	0.90
602174	225 296	0.10	9.80	0.050	< 0.05	0.27	< 1	< 0.005	0.010	0.080	0.60	< 0.01	0.070	12.2	0.25
602176	225 296	0.10	3.40	0.045	< 0.05	0.30	9	< 0.005	0.015	0.045	0.40	< 0.01	0.100	11.8	0.60
602177	225 296	0.15	4.40	0.065	< 0.05	0.55	< 1	0.005	0.015	0.455	4.55	< 0.01	0.075	8.4	0.35
602178	225 296	0.15	6.45	0.080	< 0.05	0.56	< 1	0.005	0.015	0.340	1.40	< 0.01	0.090	8.0	0.30
602179	225 296	0.20	10.15	0.080	< 0.05	1.40	7	< 0.005	0.015	0.575	0.50	< 0.01	0.110	29.8	0.80
602180	225 296	0.05	47.5	0.040	< 0.05	0.34	8	< 0.005	0.005	0.035	0.70	< 0.01	0.035	25.0	0.50
602181	225 296	0.05	19.05	0.020	< 0.05	0.05	13	0.015	0.005	0.055	0.70	< 0.01	0.055	20.4	0.10
602182	225 296	0.05	12.05	0.065	< 0.05	0.86	2	< 0.005	0.010	0.320	0.55	< 0.01	0.070	5.0	< 0.05
602184	225 296	0.15	13.55	0.015	< 0.05	0.11	9	< 0.005	< 0.005	0.030	0.45	< 0.01	0.030	21.4	0.30
602185	225 296	0.05	21.2	0.125	< 0.05	0.58	8	< 0.005	0.030	0.330	0.60	< 0.01	0.190	15.0	0.40
602186	225 296	0.15	10.95	0.105	< 0.05	0.64	< 1	0.005	0.020	0.295	1.30	< 0.01	0.115	16.6	0.30
602187	225 296	0.05	11.80	0.015	< 0.05	0.48	4	0.005	< 0.005	0.145	0.50	0.01	0.020	18.8	< 0.05
602188	225 296	0.05	5.95	0.015	< 0.05	0.25	< 1	< 0.005	0.005	0.055	0.55	< 0.01	0.035	32.2	< 0.05
602189	225 296	0.05	16.80	0.035	< 0.05	0.39	< 1	< 0.005	0.010	0.170	1.30	< 0.01	0.070	7.2	0.55
602190	225 296	0.05	4.55	0.020	< 0.05	0.20	13	< 0.005	0.005	0.075	0.80	< 0.01	0.040	5.6	0.30
602191	225 296	0.15	4.15	0.105	< 0.05	1.68	< 1	0.005	0.025	1.020	0.80	0.01	0.135	5.0	0.05
602192	225 296	0.05	17.85	0.015	< 0.05	0.08	12	0.010	0.005	0.030	0.20	< 0.01	0.040	26.0	0.20
602193	225 296	< 0.05	8.10	< 0.005	< 0.05	0.02	12	< 0.005	< 0.005	< 0.005	0.10	< 0.01	0.005	6.4	< 0.05
602195	225 296	0.10	9.75	< 0.005	< 0.05	0.33	5	< 0.005	< 0.005	0.040	0.50	0.01	0.015	77.2	< 0.05

CERTIFICATION: 



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

WESTERN MINING CORP.

108 E. ARAPAHOE COURT, STE. 110
 FORT COLLINS, COLORADO
 80112

Page Numbr : 2-E
 Total Page : 4
 Certificate D : 14-JUL-2001
 Invoice No. : 10120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	B ppm ICP-MS	Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH				
602147	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.345	< 0.001	< 0.01	0.110	8.4				
602148	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	2.99	< 0.001	< 0.01	0.900	8.3				
602149	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.610	< 0.001	< 0.01	0.765	9.2				
602151	225 296	< 0.5	0.65	< 0.1	< 0.01	< 0.005	0.325	< 0.001	< 0.01	0.325	9.2				
602152	225 296	< 0.5	0.35	< 0.1	0.03	0.005	0.485	< 0.001	0.05	0.215	8.6				
602153	225 296	< 0.5	0.60	< 0.1	0.02	< 0.005	11.20	< 0.001	0.01	2.49	9.0				
602154	225 296	< 0.5	0.30	< 0.1	0.01	< 0.005	2.06	< 0.001	< 0.01	0.405	8.8				
602158	225 296	< 0.5	0.50	< 0.1	0.03	0.005	6.60	< 0.001	0.01	2.37	8.2				
602159	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.210	< 0.001	< 0.01	0.110	8.1				
602161	225 296	< 0.5	0.05	< 0.1	< 0.01	< 0.005	0.235	< 0.001	< 0.01	0.155	8.5				
602162	225 296	< 0.5	1.00	< 0.1	0.01	0.005	17.40	< 0.001	0.01	2.68	8.4				
602163	225 296	< 0.5	0.90	< 0.1	0.01	< 0.005	0.640	< 0.001	< 0.01	0.555	9.3				
602164	225 296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	3.36	< 0.001	0.02	1.105	9.2				
602165	225 296	< 0.5	0.55	< 0.1	< 0.01	< 0.005	0.860	< 0.001	0.01	0.405	9.2				
602166	225 296	< 0.5	0.30	< 0.1	0.01	< 0.005	2.91	< 0.001	< 0.01	2.37	8.8				
602167	225 296	< 0.5	1.15	< 0.1	0.03	0.005	33.2	< 0.001	0.01	3.18	8.4				
602168	225 296	< 0.5	0.10	< 0.1	0.01	0.005	3.87	< 0.001	< 0.01	0.830	8.8				
602170	225 296	< 0.5	0.95	< 0.1	0.02	0.005	2.72	< 0.001	< 0.01	1.005	8.7				
602171	225 296	< 0.5	0.55	< 0.1	0.01	< 0.005	1.385	< 0.001	< 0.01	0.650	8.4				
602172	225 296	< 0.5	0.35	< 0.1	0.01	< 0.005	0.255	< 0.001	< 0.01	0.110	8.0				
602173	225 296	< 0.5	0.35	< 0.1	0.05	0.005	3.30	< 0.001	0.02	1.060	8.4				
602174	225 296	< 0.5	0.50	< 0.1	0.01	0.005	3.73	< 0.001	< 0.01	1.035	8.8				
602176	225 296	< 0.5	0.45	< 0.1	0.03	0.005	1.425	< 0.001	< 0.01	1.260	8.4				
602177	225 296	< 0.5	1.10	< 0.1	0.01	0.005	5.02	< 0.001	0.03	1.050	9.1				
602178	225 296	< 0.5	0.55	< 0.1	0.01	0.005	6.87	< 0.001	0.02	1.350	8.6				
602179	225 296	< 0.5	0.35	< 0.1	0.05	0.005	7.13	< 0.001	< 0.01	1.535	8.3				
602180	225 296	< 0.5	0.45	< 0.1	0.03	< 0.005	10.95	< 0.001	< 0.01	0.990	7.6				
602181	225 296	< 0.5	0.20	< 0.1	< 0.01	0.005	0.975	< 0.001	< 0.01	0.590	8.7				
602182	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	8.20	< 0.001	< 0.01	1.115	8.9				
602184	225 296	< 0.5	0.30	< 0.1	0.01	< 0.005	0.545	< 0.001	< 0.01	0.300	8.6				
602185	225 296	< 0.5	0.60	< 0.1	0.01	0.005	9.49	< 0.001	< 0.01	2.73	8.2				
602186	225 296	< 0.5	0.60	< 0.1	0.01	0.005	8.26	< 0.001	0.01	1.910	8.7				
602187	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	1.650	< 0.001	< 0.01	0.315	8.6				
602188	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.875	< 0.001	< 0.01	0.405	8.6				
602189	225 296	< 0.5	0.75	< 0.1	0.02	0.005	1.580	< 0.001	< 0.01	0.820	8.3				
602190	225 296	< 0.5	0.45	< 0.1	0.02	< 0.005	0.995	< 0.001	< 0.01	0.515	8.3				
602191	225 296	< 0.5	0.20	< 0.1	< 0.01	0.005	10.40	< 0.001	< 0.01	2.14	8.7				
602192	225 296	< 0.5	0.20	< 0.1	< 0.01	< 0.005	0.750	< 0.001	< 0.01	0.435	8.4				
602193	225 296	< 0.5	0.10	< 0.1	< 0.01	< 0.005	0.060	< 0.001	< 0.01	0.055	8.4				
602195	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.375	< 0.001	< 0.01	0.115	8.7				

CERTIFICATION: _____ +



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CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
602197	225 296	0.14	97.4	0.004	897	0.100	< 0.05	32.3	0.032	< 0.005	2.5	1810	1.71	2.47	0.65
602198	225 296	0.18	37.8	0.020	2470	0.075	< 0.05	16.40	0.088	0.005	5.0	70	0.18	6.18	0.45
602200	225 296	0.08	94.7	0.010	1550	0.075	< 0.05	54.3	0.057	0.005	4.0	1730	0.50	1.370	0.50
609603	225 296	0.20	47.2	0.016	3360	0.125	< 0.05	91.5	0.130	0.010	8.0	6580	0.16	16.70	2.85
609604	225 296	0.00	84.4	0.042	10150	0.200	< 0.05	65.6	2.649	0.010	19.5	1970	0.34	81.8	3.25
609605	225 296	0.06	71.3	0.018	2460	0.325	< 0.05	80.1	0.090	0.020	4.5	1440	0.33	4.17	0.75
609606	225 296	0.16	35.7	0.020	4830	0.100	< 0.05	29.7	0.185	0.015	10.5	750	0.03	49.8	1.80
609607	225 296	0.20	72.5	0.044	4830	0.100	< 0.05	55.4	0.294	0.005	12.0	2410	0.05	65.2	1.10
609608	225 296	0.26	85.9	0.048	8650	0.125	< 0.05	41.1	0.134	< 0.005	21.0	5590	0.09	26.2	5.25
609609	225 296	0.08	96.0	0.008	786	0.150	< 0.05	40.8	0.017	< 0.005	0.5	2780	0.20	0.665	0.15
609612	225 296	0.10	77.3	0.034	3090	0.300	< 0.05	64.7	0.123	0.015	7.5	1300	0.20	5.88	0.65
609613	225 296	0.06	94.2	< 0.002	1200	0.175	< 0.05	20.0	0.019	< 0.005	3.5	530	0.71	0.990	1.60
609614	225 296	0.10	95.0	0.002	934	0.050	< 0.05	66.6	0.071	< 0.005	0.5	2110	0.19	14.85	1.05
609619	225 296	0.14	79.0	0.020	3170	0.475	< 0.05	34.0	0.090	0.020	5.5	410	0.22	2.13	0.85
609620	225 296	0.08	82.7	0.026	6340	0.400	< 0.05	15.00	0.037	0.020	10.0	730	0.20	2.37	1.75
609621	225 296	0.08	95.5	0.014	1850	0.100	< 0.05	30.2	0.031	< 0.005	3.0	1410	0.40	0.565	0.35
609622	225 296	0.10	82.1	0.020	496	0.225	< 0.05	63.2	0.023	< 0.005	2.5	1430	0.43	0.615	0.70
609623	225 296	0.10	98.2	0.008	904	< 0.025	< 0.05	12.80	0.014	< 0.005	2.5	1680	0.37	0.865	2.85
609625	225 296	0.10	96.0	0.022	2410	0.350	< 0.05	37.9	0.124	0.015	3.5	1700	0.67	11.75	2.30
609628	225 296	0.10	80.5	0.106	7270	0.725	< 0.05	53.4	0.352	0.020	26.0	370	0.21	41.1	4.30
609631	225 296	0.08	48.8	< 0.002	1510	0.225	< 0.05	28.9	0.036	0.010	5.0	850	0.22	2.82	0.65
609632	225 296	0.12	51.8	0.028	4760	0.400	< 0.05	34.1	0.273	0.015	13.0	550	0.07	18.95	1.05
609635	225 296	0.08	83.5	0.002	187	0.075	< 0.05	36.1	0.008	< 0.005	6.0	2580	0.29	0.405	0.15
609636	225 296	0.24	93.8	0.002	1025	0.050	< 0.05	22.6	0.016	< 0.005	2.0	4080	0.09	2.73	1.15
609637	225 296	0.14	76.1	0.022	1410	0.725	< 0.05	124.0	0.047	0.050	3.0	2470	0.22	2.11	1.55
609639	225 296	0.18	91.4	0.018	4490	0.250	< 0.05	32.3	0.148	0.005	15.0	1530	0.14	11.55	3.25
609641	225 296	0.14	48.5	0.028	2580	0.375	< 0.05	26.4	0.029	0.015	6.5	1210	0.12	2.24	0.50
609643	225 296	0.12	92.3	0.032	1985	0.925	< 0.05	53.9	0.067	0.040	27.0	1680	0.24	18.15	2.65
609644	225 296	0.08	81.4	0.014	3240	0.650	< 0.05	80.4	0.315	0.025	12.5	610	0.51	7.24	1.55
609646	225 296	0.12	53.0	0.012	1920	0.175	< 0.05	20.8	0.030	0.005	3.5	1020	0.19	1.485	0.55
609647	225 296	0.10	93.6	0.004	1140	0.175	< 0.05	58.2	0.046	0.005	3.5	2080	0.19	3.90	0.60
609648	225 296	0.06	90.9	0.008	617	0.125	< 0.05	80.8	0.105	0.005	2.5	2180	0.45	2.71	0.80
609649	225 296	0.20	77.4	0.014	1650	0.200	< 0.05	57.9	0.053	0.005	3.5	2820	0.26	9.68	2.15
609655	225 296	0.08	36.2	0.030	2120	0.200	< 0.05	20.7	0.044	< 0.005	4.5	720	0.21	8.77	0.55
609657	225 296	0.06	89.4	0.002	945	0.525	< 0.05	32.5	0.058	< 0.005	2.5	980	0.37	0.380	1.85
609659	225 296	0.08	89.5	0.042	7550	0.775	< 0.05	11.60	0.107	0.020	30.5	460	0.23	6.47	2.05
609666	225 296	0.24	84.0	< 0.002	260	0.150	< 0.05	9.00	0.012	0.005	3.0	4140	0.26	2.06	2.25
609669	225 296	0.08	97.6	< 0.002	3430	0.300	< 0.05	21.1	0.027	0.005	6.0	780	0.74	3.52	2.60
609670	225 296	0.16	88.5	0.012	3220	0.300	< 0.05	19.95	0.037	0.005	13.0	1280	0.15	8.81	1.95
609673	225 296	0.12	48.3	0.026	4420	0.300	< 0.05	100.5	0.335	0.015	11.5	1170	0.53	11.95	1.40

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks 89431
 Nevada, U.S.A.
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

908 E. ARAPAHOE COURT, STE. 110
 FLENGLWOOD, COLORADO
 80112

Page Number: 3-B
 Total Pages: 4
 Certificate L: 14-JUL-2001
 Invoice No.: 10120469
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Cr ppm ICP-MS	Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS
602197	225 296	0.05	0.025	1.45	0.100	0.045	0.030	280	0.160	< 0.1	0.020	0.3	615	< 0.05	< 0.005
602198	225 296	1.30	0.005	6.15	0.270	0.110	0.090	1040	0.390	< 0.1	0.045	2.6	85	0.85	0.010
602200	225 296	0.70	0.005	3.90	0.075	0.030	0.020	680	0.110	< 0.1	0.015	3.3	95	0.20	0.005
609603	225 296	1.60	0.010	12.05	0.925	0.355	0.310	2830	1.695	< 0.1	0.140	3.0	110	0.15	0.045
609604	225 296	2.60	0.010	21.2	3.47	1.175	0.975	5140	6.11	< 0.1	0.490	3.9	25	2.80	0.120
609605	225 296	3.05	0.020	14.10	0.175	0.075	0.060	1745	0.270	< 0.1	0.030	3.5	175	< 0.05	0.005
609606	225 296	6.85	0.180	7.70	1.200	0.395	0.450	2010	2.19	< 0.1	0.160	3.3	270	1.15	0.040
609607	225 296	6.70	0.030	5.85	1.490	0.505	0.500	3470	2.63	< 0.1	0.210	3.3	95	0.25	0.050
609608	225 296	2.70	0.010	56.0	0.885	0.335	0.360	3560	1.550	< 0.1	0.135	5.6	55	0.20	0.045
609609	225 296	0.35	0.080	1.00	0.030	0.015	0.010	90	0.040	< 0.1	< 0.005	0.9	315	< 0.05	< 0.005
609612	225 296	1.05	0.015	4.20	0.190	0.075	0.060	1555	0.290	< 0.1	0.030	4.0	115	< 0.05	0.010
609613	225 296	0.10	0.020	1.00	0.040	0.025	0.015	245	0.075	< 0.1	0.005	0.5	530	< 0.05	< 0.005
609614	225 296	0.10	0.055	0.60	0.395	0.140	0.145	320	0.710	< 0.1	0.055	0.3	480	0.10	0.020
609619	225 296	2.40	0.015	5.35	0.160	0.075	0.045	1410	0.185	< 0.1	0.025	1.9	175	1.80	0.005
609620	225 296	0.45	0.005	1.20	0.155	0.075	0.070	1685	0.215	< 0.1	0.030	2.8	260	0.30	0.005
609621	225 296	0.25	0.015	0.65	0.035	0.020	0.020	135	0.055	< 0.1	0.005	1.1	160	< 0.05	< 0.005
609622	225 296	1.05	0.045	0.90	0.030	0.015	< 0.005	< 5	0.040	< 0.1	< 0.005	0.5	475	0.05	< 0.005
609623	225 296	< 0.05	0.055	0.40	0.065	0.035	0.020	10	0.095	< 0.1	0.015	0.3	550	< 0.05	0.005
609625	225 296	0.20	0.050	1.30	0.555	0.225	0.140	730	0.860	< 0.1	0.085	1.4	535	< 0.05	0.030
609628	225 296	6.10	0.020	34.2	0.870	0.255	0.260	5440	1.555	< 0.1	0.115	8.6	180	1.65	0.025
609631	225 296	1.90	0.005	3.60	0.125	0.060	0.040	1985	0.155	< 0.1	0.020	2.2	170	0.10	< 0.005
609632	225 296	1.65	0.020	1.00	0.620	0.210	0.250	1770	1.000	< 0.1	0.085	3.2	180	0.75	0.020
609635	225 296	0.25	0.075	0.55	0.015	0.005	< 0.005	< 5	0.025	< 0.1	< 0.005	1.1	480	< 0.05	< 0.005
609636	225 296	0.10	< 0.005	1.15	0.240	0.150	0.070	940	0.345	< 0.1	0.050	0.5	85	< 0.05	0.030
609637	225 296	1.05	0.020	3.20	0.120	0.055	0.030	2670	0.165	< 0.1	0.020	1.4	210	0.30	0.005
609639	225 296	1.50	0.005	6.05	0.425	0.150	0.125	1540	0.645	< 0.1	0.060	4.8	115	1.95	0.015
609641	225 296	2.30	0.020	3.40	0.125	0.055	0.045	2430	0.160	< 0.1	0.020	2.8	120	0.05	0.005
609643	225 296	1.45	0.010	4.15	0.405	0.135	0.115	13280	0.785	< 0.1	0.055	7.0	160	< 0.05	0.015
609644	225 296	4.05	0.010	6.20	0.385	0.170	0.095	2050	0.525	< 0.1	0.060	4.8	110	1.90	0.020
609646	225 296	1.80	0.005	2.60	0.085	0.035	0.025	985	0.100	< 0.1	0.010	1.6	95	0.50	< 0.005
609647	225 296	0.90	0.075	0.90	0.115	0.050	0.040	1580	0.220	< 0.1	0.020	0.8	350	< 0.05	0.005
609648	225 296	0.75	0.085	1.80	0.080	0.030	0.020	355	0.135	< 0.1	0.010	0.6	385	0.05	< 0.005
609649	225 296	1.95	0.005	13.65	0.300	0.130	0.105	880	0.490	< 0.1	0.045	1.4	120	0.20	0.020
609655	225 296	2.30	0.015	0.75	0.315	0.120	0.115	2110	0.550	< 0.1	0.050	1.3	165	0.15	0.015
609657	225 296	0.40	0.020	0.45	0.025	0.005	0.005	< 5	0.035	< 0.1	< 0.005	0.6	210	< 0.05	< 0.005
609659	225 296	2.45	0.030	6.35	0.345	0.155	0.135	4400	0.425	< 0.1	0.055	7.5	340	0.05	0.015
609666	225 296	0.35	0.005	2.50	0.185	0.090	0.050	2170	0.265	< 0.1	0.030	0.9	235	< 0.05	0.015
609669	225 296	0.15	0.010	1.20	0.275	0.130	0.085	920	0.390	< 0.1	0.050	0.7	385	0.25	0.015
609670	225 296	1.40	0.005	2.45	0.365	0.140	0.070	1510	0.530	< 0.1	0.055	3.2	165	< 0.05	0.015
609673	225 296	6.65	0.005	15.70	0.410	0.165	0.130	1880	0.595	< 0.1	0.065	4.9	50	1.15	0.015

CERTIFICATION: _____ 



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

Tr WESTERN MINING CORP.

008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number: 3-C
 Total Page: 1
 Certificate L: 24-JUL-2001
 Invoice No.: I0120469
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Mg ppm	Mn ppm	Mo ppm	Na ppm	Nb ppm	Nd ppm	Ni ppm	P ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Se ppm	Sm ppm
	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602197	225	296	540	15.0	0.06	-----	< 0.01	1.115	0.55	-----	10.65	0.290	3.79	< 0.005	< 0.25	0.190
602198	225	296	39	< 0.1	0.03	-----	0.19	2.59	0.95	-----	0.97	0.710	0.64	< 0.005	0.25	0.445
602200	225	296	270	< 0.1	0.06	-----	0.06	0.620	2.65	-----	0.27	0.160	1.12	< 0.005	0.25	0.135
609603	225	296	3000	176.0	0.20	-----	0.15	11.95	18.15	-----	1.18	3.38	0.50	< 0.005	0.75	1.875
609604	225	296	299	4.1	0.36	-----	0.18	44.8	25.6	-----	3.10	13.10	0.31	< 0.005	1.25	6.82
609605	225	296	321	6.1	0.05	-----	0.38	1.565	5.95	-----	3.61	0.455	1.38	< 0.005	< 0.25	0.335
609606	225	296	530	6.8	0.14	-----	0.87	18.40	8.45	-----	1.78	5.48	3.18	< 0.005	< 0.25	2.61
609607	225	296	410	42.2	0.17	-----	0.88	22.5	2.10	-----	1.36	6.85	0.72	< 0.005	< 0.25	3.20
609608	225	296	1785	19.8	0.14	-----	0.11	11.75	127.5	-----	0.48	3.30	0.27	< 0.005	0.50	1.730
609609	225	296	265	19.0	< 0.01	-----	0.01	0.280	0.15	-----	1.31	0.075	3.32	< 0.005	< 0.25	0.065
609612	225	296	150	< 0.1	0.05	-----	0.13	2.05	3.65	-----	1.88	0.635	0.82	< 0.005	< 0.25	0.360
609613	225	296	628	5.8	0.03	-----	0.01	0.440	1.60	-----	5.41	0.120	3.49	< 0.005	< 0.25	0.090
609614	225	296	769	3.1	0.06	-----	0.04	6.08	0.55	-----	8.12	1.685	4.80	< 0.005	< 0.25	0.880
609619	225	296	146	0.4	0.05	-----	0.09	0.960	3.25	-----	2.14	0.250	1.52	< 0.005	0.50	0.195
609620	225	296	185	< 0.1	0.03	-----	0.04	1.100	3.05	-----	4.22	0.290	1.50	0.005	< 0.25	0.235
609621	225	296	259	0.7	< 0.01	-----	0.01	0.260	0.25	-----	0.93	0.065	1.30	< 0.005	< 0.25	0.070
609622	225	296	440	2.8	0.02	-----	0.01	0.275	1.35	-----	2.76	0.070	1.87	< 0.005	< 0.25	0.065
609623	225	296	1080	2.0	< 0.01	-----	< 0.01	0.470	2.45	-----	4.74	0.115	4.69	< 0.005	0.25	0.100
609625	225	296	260	22.3	0.12	-----	0.04	5.91	2.35	-----	7.41	1.590	4.04	0.005	< 0.25	1.060
609628	225	296	110	< 0.1	0.23	-----	0.61	13.90	11.90	-----	5.54	4.43	1.75	0.005	1.00	1.840
609631	225	296	158	2.0	0.05	-----	0.17	0.960	2.05	-----	1.97	0.280	1.13	< 0.005	< 0.25	0.175
609632	225	296	185	< 0.1	0.13	-----	0.32	7.65	6.50	-----	3.01	2.19	1.21	< 0.005	0.25	1.235
609635	225	296	376	182.5	< 0.01	-----	0.04	0.185	0.45	-----	4.39	0.045	4.73	< 0.005	< 0.25	0.045
609636	225	296	2760	4.2	0.09	-----	0.01	2.41	5.20	-----	1.83	0.625	0.42	< 0.005	< 0.25	0.390
609637	225	296	929	35.4	0.10	-----	0.13	0.905	4.75	-----	10.75	0.235	1.36	0.015	0.25	0.200
609639	225	296	283	0.3	0.16	-----	0.13	4.31	5.45	-----	2.29	1.280	1.21	< 0.005	0.25	0.725
609641	225	296	245	20.7	0.11	-----	0.22	0.945	3.35	-----	2.26	0.255	0.59	0.005	< 0.25	0.190
609643	225	296	264	27.5	0.21	-----	0.16	6.92	3.65	-----	6.27	2.00	1.00	0.010	0.25	0.920
609644	225	296	95	< 0.1	0.05	-----	0.22	3.08	12.00	-----	1.83	0.845	1.24	< 0.005	0.50	0.565
609646	225	296	244	7.3	0.01	-----	0.15	0.555	2.80	-----	1.51	0.150	0.68	< 0.005	< 0.25	0.115
609647	225	296	452	23.0	0.07	-----	0.04	1.670	1.20	-----	11.45	0.460	3.09	< 0.005	< 0.25	0.295
609648	225	296	429	25.2	0.10	-----	0.09	1.065	1.45	-----	6.41	0.310	5.41	< 0.005	0.25	0.175
609649	225	296	694	3.9	0.07	-----	0.20	3.82	20.8	-----	1.16	1.175	0.45	< 0.005	0.25	0.580
609655	225	296	165	1.6	0.06	-----	0.47	3.46	0.50	-----	1.52	0.935	0.83	< 0.005	< 0.25	0.600
609657	225	296	403	0.9	0.01	-----	0.08	0.160	0.60	-----	1.22	0.045	1.90	< 0.005	< 0.25	0.040
609659	225	296	128	2.0	0.15	-----	0.22	2.55	3.75	-----	4.48	0.715	1.93	0.010	0.50	0.440
609666	225	296	4460	698	0.19	-----	< 0.01	1.745	8.40	-----	1.41	0.480	1.30	< 0.005	< 0.25	0.275
609669	225	296	256	12.3	0.04	-----	< 0.01	1.830	3.15	-----	2.89	0.460	2.26	< 0.005	0.25	0.375
609670	225	296	352	1.4	0.16	-----	0.22	3.25	4.80	-----	1.46	0.905	0.92	< 0.005	< 0.25	0.545
609673	225	296	120	< 0.1	0.04	-----	0.38	4.22	12.00	-----	2.69	1.300	0.31	< 0.005	< 0.25	0.655

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP		Sn ppm	Sr ppm	Tb ppm	Te ppm	Th ppm	Ti ppm	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Yb ppm	Zn ppm	Zr ppm
	CODE		ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
602197	225	296	0.10	11.75	0.020	< 0.05	0.07	15	0.015	< 0.005	0.045	0.40	< 0.01	0.040	30.2	0.10
602198	225	296	0.05	2.45	0.060	< 0.05	0.27	5	0.005	0.015	0.125	0.40	< 0.01	0.075	2.8	0.35
602200	225	296	< 0.05	18.55	0.015	< 0.05	0.25	16	< 0.005	0.005	0.025	0.40	< 0.01	0.040	15.0	0.60
609603	225	296	< 0.05	57.8	0.200	< 0.05	1.19	9	0.030	0.045	0.550	2.55	0.01	0.315	8.4	0.40
609604	225	296	< 0.05	29.3	0.725	< 0.05	1.07	< 1	0.020	0.145	2.78	2.45	0.01	0.850	14.8	0.40
609605	225	296	0.15	12.50	0.040	< 0.05	1.06	< 1	< 0.005	0.010	0.170	1.00	< 0.01	0.065	6.2	0.40
609606	225	296	0.15	10.15	0.285	< 0.05	2.52	< 1	0.055	0.050	0.635	4.80	0.04	0.305	4.4	1.85
609607	225	296	0.15	33.4	0.330	< 0.05	7.65	< 1	0.020	0.060	1.455	2.40	0.03	0.380	11.0	2.10
609608	225	296	< 0.05	46.4	0.185	< 0.05	0.81	4	0.020	0.045	0.355	1.90	< 0.01	0.305	5.4	0.55
609609	225	296	< 0.05	10.45	0.005	< 0.05	0.11	15	< 0.005	< 0.005	0.020	0.15	< 0.01	0.010	26.0	0.25
609612	225	296	0.05	11.80	0.040	< 0.05	0.60	4	< 0.005	0.015	0.240	0.55	< 0.01	0.065	5.8	0.40
609613	225	296	0.15	8.95	0.005	< 0.05	0.06	2	0.020	< 0.005	0.010	0.25	< 0.01	0.020	18.8	0.15
609614	225	296	0.05	51.2	0.080	< 0.05	0.27	4	0.030	0.020	0.115	0.80	< 0.01	0.125	7.2	0.20
609619	225	296	0.10	8.65	0.030	< 0.05	0.20	< 1	0.005	0.005	0.040	0.70	< 0.01	0.065	5.0	0.45
609620	225	296	0.05	7.00	0.035	< 0.05	0.12	6	0.005	0.005	0.045	0.40	< 0.01	0.060	4.6	0.20
609621	225	296	< 0.05	13.20	0.005	< 0.05	0.07	6	< 0.005	< 0.005	0.015	0.40	< 0.01	0.020	65.4	0.20
609622	225	296	< 0.05	24.6	0.005	< 0.05	0.16	< 1	0.005	< 0.005	0.030	0.40	0.01	0.015	99.8	< 0.05
609623	225	296	< 0.05	9.75	0.015	< 0.05	0.01	7	0.015	< 0.005	0.005	0.20	< 0.01	0.030	23.2	0.15
609625	225	296	0.10	18.35	0.115	< 0.05	0.28	4	0.025	0.030	0.545	0.40	< 0.01	0.210	28.6	0.15
609628	225	296	0.05	9.55	0.190	< 0.05	3.85	< 1	0.015	0.030	2.28	1.15	0.01	0.180	6.6	0.55
609631	225	296	0.05	6.75	0.025	< 0.05	0.59	< 1	0.015	0.005	0.095	0.90	< 0.01	0.040	12.6	0.30
609632	225	296	0.05	16.40	0.130	< 0.05	0.99	< 1	0.015	0.025	0.355	1.20	0.01	0.160	2.4	0.45
609635	225	296	0.05	11.20	< 0.005	< 0.05	0.11	3	0.015	< 0.005	0.015	0.25	< 0.01	0.005	27.2	0.20
609636	225	296	< 0.05	30.1	0.045	< 0.05	0.19	9	0.005	0.025	0.055	0.20	< 0.01	0.155	12.2	0.20
609637	225	296	0.20	31.6	0.020	< 0.05	0.27	< 1	0.015	0.005	0.130	1.15	< 0.01	0.045	3.0	0.30
609639	225	296	< 0.05	17.60	0.085	< 0.05	0.86	< 1	0.035	0.020	0.650	0.55	< 0.01	0.105	6.8	0.25
609641	225	296	0.05	6.70	0.025	< 0.05	0.28	< 1	0.005	0.005	0.110	1.75	< 0.01	0.040	9.6	0.50
609643	225	296	0.15	14.50	0.095	< 0.05	0.80	< 1	0.050	0.015	0.555	1.55	< 0.01	0.115	17.8	0.25
609644	225	296	0.10	21.3	0.070	< 0.05	0.61	< 1	< 0.005	0.020	0.190	1.50	< 0.01	0.130	14.6	0.60
609646	225	296	< 0.05	6.05	0.015	< 0.05	0.40	7	< 0.005	0.005	0.040	0.85	< 0.01	0.030	7.6	0.40
609647	225	296	0.05	16.70	0.025	< 0.05	0.21	2	0.005	0.005	0.150	1.20	< 0.01	0.045	23.0	0.15
609648	225	296	0.05	29.6	0.015	< 0.05	0.13	< 1	0.025	< 0.005	0.115	1.30	< 0.01	0.025	53.0	0.15
609649	225	296	0.05	38.1	0.065	< 0.05	0.91	< 1	0.005	0.020	0.165	0.55	0.01	0.110	23.4	0.15
609655	225	296	0.05	8.05	0.070	< 0.05	1.06	< 1	0.005	0.015	0.120	1.80	0.01	0.095	10.0	0.50
609657	225	296	< 0.05	19.00	< 0.005	< 0.05	0.14	< 1	0.015	< 0.005	0.020	0.50	< 0.01	0.005	29.0	0.15
609659	225	296	0.10	3.55	0.060	< 0.05	0.90	< 1	0.015	0.020	0.375	1.10	< 0.01	0.105	10.0	0.65
609666	225	296	< 0.05	16.40	0.035	< 0.05	0.10	9	0.055	0.010	0.060	0.90	< 0.01	0.095	18.8	0.20
609669	225	296	0.05	11.30	0.050	< 0.05	0.07	< 1	0.005	0.015	0.035	0.20	< 0.01	0.090	16.6	< 0.05
609670	225	296	0.05	8.00	0.070	< 0.05	0.34	3	0.015	0.015	0.125	0.65	< 0.01	0.090	7.0	0.30
609673	225	296	0.05	31.0	0.080	< 0.05	1.52	< 1	0.005	0.020	0.290	1.00	< 0.01	0.130	6.2	0.55

CERTIFICATION: *[Signature]*



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number: 13-E
 Total Pages: 4
 Certificate L: 24-JUL-2001
 Invoice No.: 10120469
 P.O. Number: MEDWMCQ7
 Account: GGH

Project: QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS

A0120469

SAMPLE	PREP CODE	B ppm ICP-MS	Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH				
602197	225 296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	1.240	< 0.001	< 0.01	0.520	8.5				
602198	225 296	< 0.5	0.60	< 0.1	0.02	0.005	3.25	< 0.001	< 0.01	1.090	9.0				
602200	225 296	< 0.5	0.50	< 0.1	0.03	< 0.005	0.610	< 0.001	< 0.01	0.360	7.4				
609603	225 296	< 0.5	0.35	< 0.1	0.03	0.005	14.60	< 0.001	< 0.01	4.00	9.5				
609604	225 296	< 0.5	0.90	< 0.1	0.05	0.005	59.3	< 0.001	0.01	13.90	9.5				
609605	225 296	< 0.5	0.75	< 0.1	0.02	0.005	2.20	< 0.001	0.01	0.780	8.2				
609606	225 296	< 0.5	1.50	< 0.1	0.07	0.005	25.6	< 0.001	0.06	4.22	9.8				
609607	225 296	< 0.5	0.85	< 0.1	0.10	0.005	34.6	< 0.001	0.05	5.62	9.2				
609608	225 296	< 0.5	1.10	< 0.1	0.03	< 0.005	15.40	< 0.001	< 0.01	3.69	8.9				
609609	225 296	< 0.5	0.15	< 0.1	< 0.01	< 0.005	0.330	< 0.001	< 0.01	0.160	8.3				
609612	225 296	< 0.5	0.70	< 0.1	0.02	0.005	3.17	< 0.001	< 0.01	0.830	8.3				
609613	225 296	< 0.5	0.45	< 0.1	< 0.01	< 0.005	0.460	< 0.001	< 0.01	0.230	8.7				
609614	225 296	< 0.5	0.45	< 0.1	0.01	0.005	7.81	< 0.001	< 0.01	1.630	8.6				
609619	225 296	< 0.5	0.50	< 0.1	0.01	0.005	1.005	< 0.001	< 0.01	0.750	8.7				
609620	225 296	< 0.5	0.65	< 0.1	< 0.01	0.005	1.070	< 0.001	< 0.01	0.700	9.0				
609621	225 296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.290	< 0.001	< 0.01	0.195	8.1				
609622	225 296	< 0.5	< 0.05	< 0.1	< 0.01	< 0.005	0.300	< 0.001	< 0.01	0.115	8.4				
609623	225 296	< 0.5	0.35	< 0.1	< 0.01	< 0.005	0.330	< 0.001	< 0.01	0.350	8.7				
609625	225 296	< 0.5	0.65	< 0.1	0.01	0.005	6.56	< 0.001	< 0.01	2.33	8.6				
609628	225 296	< 0.5	1.20	< 0.1	0.03	0.015	23.7	< 0.001	0.03	2.91	8.5				
609631	225 296	< 0.5	0.70	< 0.1	0.01	< 0.005	1.530	< 0.001	< 0.01	0.575	8.9				
609632	225 296	< 0.5	1.15	< 0.1	0.02	0.005	8.86	< 0.001	0.02	2.21	9.2				
609635	225 296	< 0.5	0.45	< 0.1	< 0.01	< 0.005	0.185	< 0.001	< 0.01	0.090	8.7				
609636	225 296	< 0.5	0.35	< 0.1	0.01	< 0.005	2.27	< 0.001	< 0.01	1.580	9.0				
609637	225 296	< 0.5	0.35	< 0.1	0.01	0.010	0.960	< 0.001	< 0.01	0.520	8.9				
609639	225 296	< 0.5	0.55	< 0.1	0.01	< 0.005	6.30	< 0.001	< 0.01	1.515	9.4				
609641	225 296	< 0.5	1.65	< 0.1	0.02	< 0.005	1.090	< 0.001	0.01	0.460	9.4				
609643	225 296	< 0.5	0.85	< 0.1	< 0.01	0.005	9.67	< 0.001	< 0.01	1.480	9.2				
609644	225 296	< 0.5	0.65	< 0.1	0.03	0.015	3.43	< 0.001	< 0.01	1.650	8.4				
609646	225 296	< 0.5	0.90	< 0.1	< 0.01	< 0.005	0.730	< 0.001	< 0.01	0.375	9.3				
609647	225 296	< 0.5	0.60	< 0.1	< 0.01	0.005	1.875	< 0.001	< 0.01	0.485	8.7				
609648	225 296	< 0.5	0.30	< 0.1	< 0.01	0.005	1.450	< 0.001	< 0.01	0.350	8.8				
609649	225 296	< 0.5	0.25	< 0.1	< 0.01	< 0.005	5.88	< 0.001	< 0.01	1.490	9.0				
609655	225 296	< 0.5	1.05	< 0.1	0.01	< 0.005	4.03	< 0.001	0.03	1.260	9.5				
609657	225 296	< 0.5	0.30	< 0.1	< 0.01	< 0.005	0.195	< 0.001	< 0.01	0.100	8.7				
609659	225 296	< 0.5	1.25	< 0.1	0.03	0.005	3.23	< 0.001	0.01	1.260	8.8				
609666	225 296	< 0.5	0.40	< 0.1	< 0.01	< 0.005	2.30	< 0.001	< 0.01	1.105	9.5				
609669	225 296	< 0.5	0.05	< 0.1	< 0.01	< 0.005	1.630	< 0.001	< 0.01	1.380	8.7				
609670	225 296	< 0.5	0.70	< 0.1	0.01	< 0.005	4.52	< 0.001	< 0.01	1.580	9.1				
609673	225 296	< 0.5	0.70	< 0.1	0.03	0.015	6.52	< 0.001	0.01	1.795	8.8				

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

3008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 4-A
 Total Pages : 4
 Certificate : 24-JUL-2001
 Invoice No. : 10120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Weight Kg	LOI %	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS
609674	225 296	0.12	78.7	0.020	3420	0.525	< 0.05	41.8	0.168	0.025	8.0	360	0.31	15.80	0.75
609683	225 296	0.24	24.0	0.006	2930	0.275	< 0.05	4.75	0.047	0.005	8.0	70	0.10	2.75	0.35
609685	225 296	0.08	82.9	0.026	2140	0.375	< 0.05	37.6	0.061	0.015	5.5	210	0.77	1.425	0.45
609686	225 296	0.08	96.0	0.002	1670	0.250	< 0.05	35.6	0.056	0.005	8.0	1410	0.27	3.11	1.60
609694	225 296	0.14	92.8	0.008	4790	0.475	< 0.05	18.65	0.060	0.020	7.0	1370	0.25	10.55	1.75
609695	225 296	0.20	22.5	0.004	1365	0.300	< 0.05	13.90	0.016	< 0.005	13.5	310	0.05	3.16	0.35
609701	225 296	0.08	76.7	0.010	2180	0.325	< 0.05	73.4	0.134	0.015	3.0	230	0.22	11.70	0.65
609705	225 296	0.10	94.9	0.034	2070	0.300	< 0.05	237	0.217	0.010	3.0	220	0.51	2.28	2.30
609707	225 296	0.10	81.0	0.030	2290	0.675	< 0.05	33.1	0.123	0.020	15.0	650	0.20	7.51	0.50
609712	225 296	0.08	76.6	0.014	1175	0.500	< 0.05	56.0	0.051	0.005	2.5	710	0.36	1.120	0.15
609713	225 296	0.12	71.2	0.052	2510	0.375	< 0.05	57.1	0.170	0.020	4.5	460	0.35	14.05	0.45
609719	225 296	0.18	55.8	0.022	1760	0.350	< 0.05	144.0	0.076	0.005	6.0	1050	0.28	6.47	1.10
609724	225 296	0.14	73.8	0.026	1995	0.575	< 0.05	69.7	0.128	0.025	5.5	1710	0.38	8.25	0.65
609730	225 296	0.08	60.6	0.016	1205	0.375	< 0.05	21.9	0.035	0.010	6.0	510	1.09	1.415	0.55
609735	225 296	0.08	92.0	0.002	654	0.375	< 0.05	65.2	0.135	0.010	4.5	2770	0.26	16.05	11.45

CERTIFICATION: _____



ALS Chemex

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Tr WESTERN MINING CORP.

8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numbr 4-B
 Total Page 4
 Certificate : 24-JUL-2001
 Invoice No. : 10120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Cr ppm ICP-MS	Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS
609674	225 296	1.20	0.030	1.40	0.460	0.160	0.185	1775	0.770	< 0.1	0.065	1.3	210	1.00	0.015
609683	225 296	2.25	0.010	2.20	0.180	0.080	0.060	1160	0.230	< 0.1	0.030	3.0	40	< 0.05	0.005
609685	225 296	1.65	0.020	2.00	0.080	0.040	0.025	295	0.105	< 0.1	0.015	1.3	285	0.50	0.005
609686	225 296	0.70	0.020	1.50	0.195	0.090	0.050	735	0.265	< 0.1	0.030	1.1	445	< 0.05	0.010
609694	225 296	0.85	0.005	7.30	0.455	0.190	0.165	2310	0.645	< 0.1	0.070	3.0	220	0.35	0.020
609695	225 296	5.95	0.005	1.65	0.090	0.040	0.020	1395	0.150	< 0.1	0.015	1.9	90	0.05	< 0.005
609701	225 296	0.95	0.010	1.40	0.460	0.205	0.155	540	0.710	< 0.1	0.070	0.8	195	0.45	0.020
609705	225 296	0.35	0.025	0.85	0.100	0.050	0.030	565	0.170	< 0.1	0.015	1.1	170	0.65	0.005
609707	225 296	2.00	0.020	5.60	0.340	0.145	0.110	1640	0.460	< 0.1	0.055	4.6	145	0.15	0.015
609712	225 296	0.15	0.025	0.60	0.140	0.065	0.005	210	0.135	< 0.1	0.020	0.6	330	0.15	0.005
609713	225 296	1.05	0.010	12.70	0.510	0.220	0.150	1175	0.720	< 0.1	0.085	1.6	195	0.35	0.020
609719	225 296	1.25	0.015	5.30	0.325	0.120	0.080	850	0.455	< 0.1	0.050	2.1	95	< 0.05	0.015
609724	225 296	0.90	0.015	4.45	0.270	0.110	0.080	2140	0.405	< 0.1	0.040	1.9	165	0.20	0.010
609730	225 296	2.05	0.045	1.75	0.055	0.025	0.020	540	0.085	< 0.1	0.005	1.3	305	< 0.05	< 0.005
609735	225 296	0.35	0.010	2.75	0.540	0.200	0.175	1495	1.015	< 0.1	0.075	1.1	310	< 0.05	0.025

CERTIFICATION: _____



ALS Chemex

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WESTERN MINING CORP.
 8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
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Page Numr : 4-C
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Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		Mg ppm	Mn ppm	Mo ppm	Na ppm	Nb ppm	Nd ppm	Ni ppm	P ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Se ppm	Sm ppm
	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
609674	225	296	83	3.7	0.10	-----	0.27	5.58	1.15	-----	8.32	1.650	1.96	0.005	0.50	0.910
609683	225	296	61	4.8	0.13	-----	0.07	1.170	1.65	-----	1.05	0.305	0.35	< 0.005	< 0.25	0.220
609685	225	296	66	2.0	0.09	-----	0.08	0.625	2.15	-----	4.22	0.175	2.91	< 0.005	0.25	0.115
609686	225	296	933	6.0	0.06	-----	0.06	1.460	3.05	-----	10.50	0.375	2.82	< 0.005	< 0.25	0.285
609694	225	296	357	2.3	0.10	-----	0.09	4.48	12.10	-----	3.59	1.225	0.94	0.005	0.25	0.700
609695	225	296	134	2.5	0.46	-----	0.27	1.085	1.75	-----	0.44	0.330	0.37	< 0.005	< 0.25	0.160
609701	225	296	29	< 0.1	0.05	-----	0.13	5.20	1.05	-----	2.45	1.425	1.80	< 0.005	0.25	0.870
609705	225	296	1085	< 0.1	0.04	-----	0.07	1.040	1.55	-----	4.41	0.265	2.73	0.005	< 0.25	0.300
609707	225	296	146	3.5	0.07	-----	0.22	2.95	2.30	-----	4.95	0.830	2.13	0.005	< 0.25	0.510
609712	225	296	136	43.8	0.05	-----	0.07	0.565	0.30	-----	3.92	0.150	3.33	< 0.005	0.25	0.155
609713	225	296	100	2.1	0.04	-----	0.15	5.48	2.30	-----	3.03	1.600	1.69	< 0.005	0.25	0.830
609719	225	296	360	< 0.1	0.04	-----	0.16	2.72	3.65	-----	2.41	0.745	1.03	< 0.005	< 0.25	0.555
609724	225	296	166	3.1	0.05	-----	0.15	3.08	1.05	-----	4.56	0.885	2.09	< 0.005	< 0.25	0.445
609730	225	296	343	5.9	0.10	-----	0.21	0.605	1.30	-----	5.46	0.170	3.09	< 0.005	< 0.25	0.105
609735	225	296	821	621	0.17	-----	0.05	7.57	1.35	-----	4.42	2.17	2.93	< 0.005	< 0.25	1.135

CERTIFICATION: _____



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

To: WESTERN MINING CORP.

3008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Number : 4-D
 Total Page : 4
 Certificate : 24-JUL-2001
 Invoice No. : IO120469
 P.O. Number : MEDWMCQ7
 Account : GGH

Project : QU7
 Comments: ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE	Sn ppm ICP-MS	Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Tm ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS
609674	225 296	0.15	13.25	0.100	< 0.05	0.77	< 1	0.015	0.020	0.155	1.20	0.01	0.120	3.4	0.15
609683	225 296	< 0.05	0.95	0.035	< 0.05	0.32	< 1	< 0.005	0.005	0.105	0.80	< 0.01	0.055	1.4	0.35
609685	225 296	0.15	7.50	0.015	< 0.05	0.23	< 1	0.005	0.005	0.050	0.35	< 0.01	0.030	8.0	0.20
609686	225 296	0.10	19.65	0.040	< 0.05	0.13	< 1	0.005	0.015	0.050	0.60	< 0.01	0.080	6.8	0.20
609694	225 296	0.05	12.45	0.090	< 0.05	0.33	< 1	0.005	0.025	0.260	0.60	< 0.01	0.140	5.8	0.30
609695	225 296	< 0.05	2.15	0.020	< 0.05	0.29	< 1	0.005	< 0.005	0.170	2.35	< 0.01	0.025	3.6	0.25
609701	225 296	0.05	11.90	0.090	< 0.05	0.41	< 1	0.005	0.025	0.080	0.40	0.01	0.155	4.0	0.05
609705	225 296	0.15	48.6	0.020	< 0.05	0.23	< 1	0.015	0.005	0.040	0.65	< 0.01	0.040	7.6	0.45
609707	225 296	0.15	6.25	0.065	< 0.05	0.83	< 1	0.015	0.015	0.325	1.20	< 0.01	0.105	3.0	0.60
609712	225 296	0.15	10.80	0.020	< 0.05	0.15	< 1	0.015	0.005	0.275	0.30	0.01	0.060	16.6	0.10
609713	225 296	0.20	10.35	0.100	< 0.05	0.49	< 1	< 0.005	0.025	0.165	0.45	0.02	0.150	11.0	0.10
609719	225 296	0.10	18.15	0.060	< 0.05	0.26	< 1	0.005	0.015	0.080	0.65	< 0.01	0.115	2.6	0.35
609724	225 296	0.20	26.6	0.055	< 0.05	0.37	< 1	0.005	0.015	0.090	0.45	< 0.01	0.090	7.0	0.30
609730	225 296	0.05	6.45	0.015	< 0.05	0.21	< 1	0.015	< 0.005	0.050	1.05	< 0.01	0.020	23.8	0.20
609735	225 296	0.05	60.8	0.110	< 0.05	0.16	< 1	0.115	0.030	0.375	0.85	< 0.01	0.175	26.6	0.25

CERTIFICATION:

[Handwritten Signature]



ALS Chemex

Chemex Labs, Inc.
 Analytical Chemists * Geochemists * Registered Assayers
 994 Glendale Ave., Unit 3, Sparks
 Nevada, U.S.A. 89431
 PHONE: 775-356-5395 FAX: 775-355-0179

T: WESTERN MINING CORP.
 8008 E. ARAPAHOE COURT, STE. 110
 ENGLEWOOD, COLORADO
 80112

Page Numbr : 4-E
 Total Page : 4
 Certificate : 24-JUL-2001
 Invoice No. : 10120469
 P.O. Number : MEDWMCO7
 Account : GGH

Project : QU7
 Comments : ATTN: PAUL TAUFEN CC: MARY DOHERTY EMAIL: KELLEY MONIER

CERTIFICATE OF ANALYSIS A0120469

SAMPLE	PREP CODE		B ppm	Ga ppm	Ge ppm	Hf ppm	In ppm	La ppm	Re ppm	Ta ppm	Y ppm	Leach				
	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	pH				
609674	225	296	< 0.5	0.65	< 0.1	0.01	< 0.005	7.53	< 0.001	0.01	1.905	9.1				
609683	225	296	< 0.5	1.45	< 0.1	0.01	< 0.005	1.405	< 0.001	< 0.01	0.745	9.8				
609685	225	296	< 0.5	0.40	< 0.1	0.01	< 0.005	0.680	< 0.001	< 0.01	0.425	9.0				
609686	225	296	< 0.5	1.10	< 0.1	0.01	0.005	1.490	< 0.001	< 0.01	0.905	9.0				
609694	225	296	< 0.5	1.15	< 0.1	0.01	0.005	5.32	< 0.001	< 0.01	1.845	8.8				
609695	225	296	< 0.5	1.20	< 0.1	< 0.01	< 0.005	1.725	< 0.001	0.01	0.405	9.9				
609701	225	296	< 0.5	0.50	< 0.1	< 0.01	< 0.005	5.82	< 0.001	< 0.01	2.24	9.1				
609705	225	296	< 0.5	0.85	< 0.1	< 0.01	0.005	1.105	< 0.001	< 0.01	0.485	8.6				
609707	225	296	< 0.5	1.70	< 0.1	0.01	0.010	3.81	< 0.001	0.01	1.435	8.9				
609712	225	296	< 0.5	0.50	< 0.1	< 0.01	< 0.005	0.510	< 0.001	< 0.01	0.720	8.9				
609713	225	296	< 0.5	0.60	< 0.1	0.01	0.005	7.26	< 0.001	< 0.01	2.36	8.9				
609719	225	296	< 0.5	1.35	< 0.1	0.01	0.005	3.26	< 0.001	< 0.01	1.460	9.0				
609724	225	296	< 0.5	0.85	< 0.1	0.01	0.010	4.04	< 0.001	< 0.01	1.115	8.9				
609730	225	296	< 0.5	1.10	< 0.1	< 0.01	< 0.005	0.860	< 0.001	0.01	0.245	9.0				
609735	225	296	< 0.5	0.85	< 0.1	< 0.01	0.005	10.65	< 0.001	< 0.01	2.73	9.1				

CERTIFICATION: _____

Appendix 8

Stream Sediment and HMC Survey

Appendix 8a

Stream Sediment and HMC Sample Descriptions

Sample No	UTM Zone	Easting	Northing	Dup	Water Sample	Angularity	Topo Relief	Land use	stream width	stream flow	coupled	Phx100	Salinity mg/L	Rock Comments	Gen Comments	Sample Comments
S-12	19	679338	6298746	0	0	sub rounded	low	Open forest	0-2	medium	0	680	1600	no outcrop seen from sample site.		meandering 50 cm to 1m deep narrow stream wit in peaty swamp. fe staining and organics common.
S-25	19	627305	6416779	0	0		low	Open forest	10-20			710	1500		ph7.1 cond 15	strm 10-15m wide 0.5m deeptr fepx
S-22	19	668396	6320919	0	0	sub rounded	low	Open forest	2-5	medium	0	691	1600			50cm deep, mod fe staining. sample cg - dominantly sandy.
S-29	19	624094	6413911	1	0										duplicate of s-28.	
S-28	19	624094	6413911	0	0		low	Open forest	0-5			690	1300		ph-6.9 cond 13	strm 1m 0.5m deep,no feoxstrm short into lake,sample in gravel at lake
S-10	19	677126	6304784	0	0	sub rounded	moderate	Open forest	2-5	medium	0	670	300	q-pl gneiss oc heavily fe stained 40m upstream.		50cm deep. heavily fe stained boulders and oc common
S-24	19	623886	6419953	0	0		moderate	Open forest	0-5			740	2400		ph 7.4 cond 24	strm 2m,1mdEep,no ox
S-20	19	667366	6316068	0	0	sub rounded	low	Open forest	2-5	medium	0	650	1300			difficult to get sample - little fine fraction. depth of stream 0.5-1m. fe oxide coating common.
S-08	19	676286	6308777	0	0	sub rounded	low	Open forest	0-2	low	1	690	200	felsic gneiss oc 10m from sample site. gneiss is crudely laminated.	oc s1 fol 45dip towards 083.	depth less than 30cm. very few fine sand. fe stained boulders common.
S-16	19	667332	6299065	0	0	sub rounded	flat	Open forest	2-5	medium	0	700	1700	no outcrop		15 cm depth, slime on boul
S-06	19	673743	6309610	0	0		flat	Open forest	10-20			750	1200		iron coating on boulders, ph=7.5, cond=12	15m, 60cm,med flow
S-07	19	674310	6310473	0	0		flat	Open forest	0-10			650	1300		at mouth of small stream flowing to open lake.Sampled with M.D.pH6.5,cond 13.	stream sed sample.10m, 0.5m, Feox.trace
S-18	19	672620	6315888	0	0	sub rounded	low	Open forest	2-5	low	0	670	2000	no outcrop angular gneiss boulders to 1m common		good sample - light grey clay under gravel includEd in sample. 1m deep fe staining common.
S-23	19	669345	6322300	0	0		moderate	Open forest	0-5			660				gentle stream flowing into bigger river. Stream is 3m wide, 025m deep,orange Feox on boulders.Sample 20m from
S-26	19	627505	6415300	0	0		flat	Open forest	5-10						no ph	strm 10m wide,0.5mdeep no feox
S-11	19	674667	6303351	0	0		low	Open forest	2-5			660	1400		slow-mod flow winding stream into and approx 100m from lake entrance. sample with M.D.pH 6.6, cond 14.	2m wide,0.5m deep,Feox trace.

Sample No	UTM Zone	Easting	Northing	Dup	Water Sample	Angularity	Topo Relief	land use	stream width	stream flow	coupled	Phy100	Salinity mg/L	Rock Comments	Gen Comments	Sample Comments
S-09	19	672957	6307187	0	0		low	Open forest	2-5			650	1100		stream sed. moderate flow northwards into wide lake. stream pH 6.5, cond 11.	4m side, 0.5m depth, Fe ox trace.
S-13	19	677030	6296171	0	0		low	Open forest	>20			670	1300		Moderate flow to mouth of lake. 6.7 pH 13 cond.	stream sed. 25m wide, 0.75m deep. Fe ox trace
S-15	19	671300	6293700	0	0		low	Open forest	5-10			680	3400		pH 6.8, cond 34. with M.D.	divided stream in valley. +100m to mouth of lake. Outcrop also. 10m wide, 1m deep, no little ox.
S-21	19	670070	6318616	0	0		low	Open forest	>20			690	1500		pH 6.9, cond 15.	from river. 100m wide, 0.5m deep. wk Fe-Mn ox.
S-19	19	673487	6316345	0	0		low	Open forest	>20			690	1600		5km east of A14 EM anomaly. pH 6.9, cond 16. Outcrop on sm rounding hills.	flat flowing river + small rapids. 25m wide, 1m deep. Mn-Fe ox on boulders.
S-27	19	623773	6414457	0	0		flat	Open forest				690	1600		ph=6.9 cond 16	stream shor. part of sample from lake shore strm 5, across, 0.2m deep no fe ox
S-17	19	670704	6310706	0	0		low	Open forest	2-5			660	1800		v. slow flow. MD. pH 6.6 cond 18.	2m wide stream, 0.75m deep, iron red base.
S-14	19	675281	6298937	0	0	sub rounded	low	Open forest	2-5	medium	0	680	200	no outcrop		50cm depth. fe staining common
S-01	20	332659	6244160	0	0		Flat	Open forest				629				poor sample, sieve 1mm, clay/silt
S-02	20	332734	6243446	0	0		Flat	Open forest	0-5			700				stream 5 m, sand/gravel
S-03	20	338036	6240417	0	0		flat	Open forest				699				
S-04	20	337249	6241978	0	0		flat	Open forest	10-20			740				2-4m deep, stream 15m wide
S-05	20	337267	6237746	0	0		flat	Open forest	10-20			743				0.2m deep, stream 20m wide

Appendix 8b

Stream Sediment Analysis Certificates



ACME ANALYTICAL LABORATORIES LTD.

852 East Hastings., Vancouver, B.C., CANADA V6A 1R6

Phone: (604) 253-3158 Fax: (604) 253-1716

Our GST # 100035377 RT



WMC INTERNATIONAL LIMITED

110 - 8008 East Arapahoe Court
Englewood, CO
U.S.A. 80112

Inv.#: **A102270**

Date: Jul 26 2001

QTY	ASSAY	PRICE	AMOUNT
23	GROUP 1F-MS (15 gm) @	14.25	327.75
23	GROUP 3B - AU PT PD @	9.50	218.50
23	SS200 - STREAM SED. @	1.10	25.30
	LESS 15% DISCOUNT		571.55 -85.73
		U.S. \$	485.82

Project: QU7
Samples submitted by Mary Doherty
ORDER NO. MEDWMCQ7

Handwritten notes and scribbles, including numbers like 1554, 1572, 1591.

E-DATA

Costed OK

2/8/01

Please pay last amount shown. Return one copy of this invoice with payment.

TERMS: Net two weeks. 1.5 % per month charged on overdue accounts.

[COPY 1]



GEOCHEMICAL ANALYSIS CERTIFICATE

WMC International Limited PROJECT OU7 File # A102270
110 - 8008 East Arapahoe, Englewood CO U.S.A. 80112 Submitted by: Mary Doherty

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au**	Pt**	Pd**	Sample	
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppb	ppb	ppb	ppb	gm
JM-2001-S-02	39	3.72	3.64	29.5	9.5	9.4	4.6	149	93	3.1	0.2	5.6	24.9	0.3	<0.2	0.3	17	49	146	30.0	12.5	30	56.4	0.93	1	.52	0.08	.12	.2	1.0	.07	.04	7	<1	<0.2	2.8	6	<2	2	15		
JM-2001-S-03	58	3.48	6.04	63.0	12.9	2.7	7.6	309	2.44	4.1	2	6.9	8.33	.4	0.4	0.2	0.4	32	62	204	41.4	16.8	.54	76.8	.128	1	.95	.011	.17	.4	1.6	.10	<0.1	<5	<1	<0.2	5.5	214	<2	<2	15	
JM-2001-S-04	3.35	8.87	7.27	160.1	28.2	1.8	44.5	4868	5.30	6.1	7	<2	9.7	28.8	.53	0.2	.05	56	.55	216	73.0	26.0	.56	290.9	.148	1	1.42	.011	21	<2	2.0	.91	.03	18	<1	<0.2	6.1	2	2	<2	15	
JM-2001-S-05	6.76	25.24	14.82	349.4	53.65	6.95	4	11065	6.66	1.2	3.9	4	16.3	42.8	1.07	.03	0.9	90	.73	256	112.0	53.5	.93	712.9	.199	1	2.27	.012	33	.8	3.2	2.30	.10	22	<1	.03	9.8	5	2	3	15	
JM-2001-S-06	88	5.93	7.86	82.1	13.14	6.13	9.9	547	2.64	5.1	1.4	<2	11.1	23.8	.08	<0.2	0.4	40	54	175	46.1	27.7	.69	116.9	.157	1	1.30	.014	.26	.3	2.1	.23	.02	11	<1	<0.2	6.5	5	3	3	15	
JM-2001-S-07	2.25	6.79	5.65	57.0	16.9	3	12.7	1260	2.70	3.1	1.6	<2	9.7	19.9	.05	<0.2	0.3	25	46	156	45.1	18.3	.36	76.7	.096	1	.69	.009	13	.3	1.4	.14	.01	5	<1	<0.2	3.5	<2	4	2	15	
JM-2001-S-08A	4.77	9.29	9.49	178.2	45.23	3.37	6	3044	7.20	1.5	3.2	2	12.3	30.2	.16	.04	.08	74	51	203	50.5	44.3	.81	164.9	.167	1	2.11	.010	.33	.2	2.6	.43	.05	30	.2	.02	8.8	3	<2	2	15	
JM-2001-S-08B	1.01	7.82	5.90	54.6	26.9	2	6.2	262	3.23	6.1	1.9	<2	7.8	21.9	.06	.03	.03	30	.32	0.86	43.8	19.8	.34	74.4	.105	1	.88	.011	.14	.3	1.4	.11	.05	25	.1	<0.2	4.2	4	4	<2	15	
JM-2001-S-10	4.06	21.58	10.36	73.4	80.17	1.36	9	1455	7.42	7.3	3.9	3	13.9	25.1	.04	.03	.07	93	40	165	108.9	37.7	.73	110.9	.171	1	2.40	.011	.28	.2	2.6	.23	.04	44	.3	<0.2	8.7	2	<2	<2	15	
JM-2001-S-11	2.66	4.51	6.03	61.9	13.8	7	12.6	751	3.78	8.1	1.5	<2	7.9	23.3	.03	.02	.04	38	44	158	33.2	18.6	.45	75.5	.118	1	.98	.010	.19	.2	1.5	.14	.02	6	<1	<0.2	4.9	<2	<2	<2	15	
JM-2001-S-12	7.98	6.34	6.05	94.5	28.10	0.21	7	805	7.79	1.1	1.6	<2	9.5	24.8	.09	.04	.04	50	.36	124	64.6	23.6	.38	105.0	.107	1	1.48	.010	.13	.4	1.6	.17	.04	22	.1	<0.2	5.0	<2	3	<2	15	
JM-2001-S-13	1.56	7.57	8.72	140.9	24.18	3.21	2	1151	4.40	1.0	1.6	<2	14.8	38.9	.14	.02	.05	62	.95	306	58.4	35.2	1.02	163.7	.186	1	1.74	.018	.45	.2	3.1	.35	.02	16	<1	.03	9.6	<2	<2	<2	15	
JM-2001-S-14	3.32	4.93	6.09	77.9	22.11	0.20	2	1427	6.16	6.1	1.3	<2	8.8	22.8	.05	.02	.04	43	.39	140	40.0	21.6	.52	95.4	.133	1	1.33	.010	.17	<2	1.6	.17	.03	13	<1	<0.2	5.9	3	<2	<2	15	
JM-2001-S-15	25	3.55	6.56	62.3	10.15	7	10.0	272	2.06	3.1	1.2	<2	18.0	60.2	.03	<0.2	0.2	28	.68	225	60.7	33.2	1.05	158.6	.154	1	1.36	.011	.42	<2	2.2	.18	.04	5	<1	<0.2	6.5	4	<2	<2	15	
JM-2001-S-16	2.02	12.02	10.35	94.8	31.15	2	15.7	999	3.77	7.1	1.5	<2	8.4	35.0	.11	.02	.06	55	44	118	46.2	37.9	.72	167.0	.148	1	1.72	.014	.26	<2	2.1	.20	.04	28	1	<0.2	7.2	<2	2	<2	15	
JM-2001-S-17	4.20	6.71	5.46	93.6	24.10	9	31.7	1497	6.83	1.0	1.7	<2	8.5	42.5	.11	.02	.03	52	55	169	49.3	22.8	.48	118.3	.118	1	1.32	.010	.16	.5	1.6	.24	.03	16	<1	<0.2	4.8	3	<2	<2	15	
JM-2001-S-18	1.35	5.63	6.38	78.4	13.12	0.12	9	1090	2.28	4.1	1.5	2	9.3	20.4	.06	<0.2	0.4	30	46	148	40.0	19.0	.57	98.4	.131	1	1.06	.011	.22	.2	1.6	.19	.02	9	<1	<0.2	5.5	<2	<2	<2	15	
JM-2001-S-19	4.92	14.46	10.21	106.5	33.21	9	25.4	4319	3.65	1.7	3.1	<2	13.6	29.4	.29	.04	.06	53	.51	157	46.9	34.8	.80	160.1	.165	1	1.37	.014	.26	2	2.4	.39	.02	15	.2	.02	6.9	2	<2	<2	15	
JM-2001-S-20	5.51	11.18	14.97	134.7	54.26	7	29.1	1428	7.42	2.3	5.7	2	7.5	26.3	.13	.05	.07	107	58	220	44.8	45.5	.93	115.1	.170	1	2.17	.014	.25	.2	2.6	.30	.05	47	.2	.03	9.1	4	<2	<2	15	
RE JM-2001-S-07	2.40	7.17	5.43	57.2	15.9	1	12.4	1266	2.74	6.1	1.6	<2	9.7	19.3	.05	<0.2	.03	25	44	153	43.2	14.7	.37	77.1	.092	1	.69	.008	.14	.4	1.4	.14	.01	7	<1	<0.2	3.5	7	2	4	15	
JM-2001-S-21	4.29	11.02	7.43	134.6	33.18	1	22.4	1894	3.75	1.1	3.9	<2	11.2	24.0	.23	.02	.06	46	49	175	58.6	29.1	.67	136.2	.139	1	1.47	.012	.28	.3	2.3	.41	.03	18	.1	.02	6.7	<2	<2	<2	15	
JM-2001-S-22	1.46	6.42	8.86	90.8	31.14	9	18.2	1322	3.68	1.1	2.3	<2	6.6	19.2	.19	.03	.05	37	35	.084	33.4	25.5	.49	79.6	.110	1	1.08	.009	.14	.3	1.5	.18	.04	26	.1	<0.2	5.1	<2	<2	<2	15	
JM-2001-S-23	1.33	5.00	6.43	63.6	16.10	0	8.0	264	1.69	5.1	1.8	<2	8.1	15.8	.08	<0.2	.04	27	31	.095	38.7	22.3	.44	79.7	.114	1	.98	.010	.20	<2	1.5	.15	.03	11	<1	<0.2	5.3	3	<2	<2	15	
NO NAME	97	7.55	11.80	57.1	42.12	9	8.2	262	4.11	1.0	1.3	<2	7.0	27.7	.04	.02	.08	65	44	.190	49.0	30.4	.61	141.6	.164	1	1.84	.010	.31	<2	1.9	.19	.05	34	<1	<0.2	8.9	<2	<2	<2	15	
STANDARD D53/FA-10R	8.84	124.60	33.76	152.9	298.35	7	12.0	785	3.07	28.9	5	8	22.0	3.9	28.4	5.54	5.08	5.33	73	52	.089	17.8	183.9	.57	144.1	.084	2	1.70	.027	.16	4.0	2.7	.98	.01	230	1.1	1.06	6.3	476	470	463	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)

- SAMPLE TYPE: STREAM SED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 19 2001 DATE REPORT MAILED: *July 24/01* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Appendix 8c

HMC Analysis Certificates



OVERBURDEN DRILLING MANAGEMENT LIMITED

August 17, 2001

Mr. Paul Taufen.
Chief Geochemist: WMC Exploration Inc.
8008 East Arapahoe Court, Suite 110
Englewood, Colorado, USA
80112

Fax: (303) 268-8370

Dear Mr. Taufen:

Re: KIMs in Alluvial Sediment Samples S-24 to 30, Ungava, Quebec.

Attached please find our laboratory data for the above seven samples.

The only potential KIMs found are a few grains of chromite. However, chromite is normally the least abundant of all KIM species. In view of the absence of other such species, it may be assumed that the chromite is derived from non-kimberlitic rocks.

I hope these observations are helpful. Please call me if you have any questions.

Yours sincerely,

Stuart Averill,
President

CC: Mary Doherty
Kelly A. Monier

**Mines
Are
Where WE
Find Them.**

107-15 Capella Court Nepean, Ontario K2E 7X1 Tel. 613-226-1771 FAX 613-226-8753

OVERBURDEN DRILLING MANAGEMENT LIMITED
107-15 CAPELLA COURT, NEPEAN, ONTARIO, K2E 7X1
TELEPHONE: (613) 226-1771
FAX NO.: (613) 226-8753
EMAIL: odm@storm.ca

DATA TRANSMITTAL REPORT

DATE: 17-Aug-01

ATTENTION: **Mr. Paul Taufen**

CLIENT: **WMC International Ltd**
Exploration Division
8008 East Arapahoe Court, Suite 110
Englewood, Colorado, USA
80112

FAX NO.: 303-268-8370

CC: Mary Doherty (e-mail)
Kelly A. Monier (e-mail)

NO. OF PAGES: 6

PROJECT: **UNGAVA**

SAMPLE NUMBERS: **S-24 to S-30**

FILE NAME: **WMC UNGAVA AUGUST 2001**

BATCH NUMBER: **586**

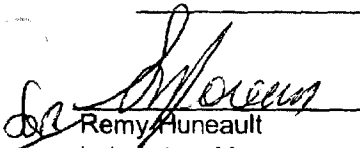
NO. OF SAMPLES: **7**

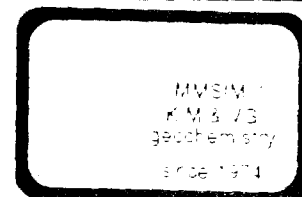
SAMPLES PROCESSED FOR: **KIMBERLITE INDICATORS
GOLD**

SPECIFICATIONS:

1. Submitted by client: ± 10 kg stream sediment samples prescreened to < 2.0 mm in the field.
2. Heavy liquid separation specific gravity: 3.20.
3. 0.25-1.0 mm nonferromagnetic heavy mineral fraction picked for indicator minerals.
4. All other sample fractions are presently stored.

REMARKS:


Remy Huneault
Laboratory Manager



**OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG**

Project: UNGAVA

Filename: WMC UNGAVA AUGUST 2001

Total Number of Samples in this Report = 7

Batch Number 586

Sample Number	Weight (kg)				S i z e	Clasts >2.0 mm				Matrix <2.0 mm						Class	
	Bulk Rec'd	Table Split	+2 mm Clasts	Table Feed		Percentage				Distribution				Colour			O r g
						V/S	GR	LS	OT	S/U	SD	ST	CY	Sand	Clay		
S-24	9.3	8.8	0.0	8.8		No Clasts				S	MC	-	N	LOC	LOC		SAND
S-25	9.3	8.9	0.0	8.9		No Clasts				S	MC	N	N	MOC	MOC		SAND
S-26	11.6	11.1	0.0	11.1		No Clasts				S	MC	N	N	OC	OC		SAND
S-27	10.8	10.4	0.0	10.4		No Clasts				S	FM	-	N	GY	GY	Y	SAND
S-28	12.2	11.7	0.0	11.7		No Clasts				S	M	N	N	OC	OC		SAND
S-29	11.2	10.8	0.0	10.8		No Clasts				S	M	-	N	OC	OC		SAND
S-30	14.1	13.6	0.0	13.6		No Clasts				S	MC	-	N	MOC	MOC		SAND

* Prescreened to <2.0 in the field.

OVERBURDEN DRILLING MANAGEMENT LIMITED
GOLD GRAIN SUMMARY SHEET

Project: UNGAVA

Filename: WMC UNGAVA AUGUST 2001

Total Number of Samples in this Report = 7

Batch Number 586

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
S-24	0	0	0	0	35.2	0	0	0	0
S-25	0	0	0	0	35.6	0	0	0	0
S-26	0	0	0	0	44.4	0	0	0	0
S-27	0	0	0	0	41.6	0	0	0	0
S-28	0	0	0	0	46.8	0	0	0	0
S-29	0	0	0	0	43.2	0	0	0	0
S-30	0	0	0	0	54.4	0	0	0	0

*Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

**OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET**

Site: UNGAVA
 Name: WMC UNGAVA AUGUST 2001
 Total Number of Samples in this Report = 7

Batch Number 586

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight (g)	Calculated V.G. Assay in HMC (ppb)	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total			
S-24	No	NO VISIBLE GOLD									
S-25	No	NO VISIBLE GOLD									
S-26	No	NO VISIBLE GOLD									
S-27	No	NO VISIBLE GOLD									
S-28	No	NO VISIBLE GOLD									
S-29	No	NO VISIBLE GOLD									
S-30	No	NO VISIBLE GOLD									

**OVERBURDEN DRILLING MANAGEMENT LIMITED
KIMBERLITE INDICATOR MINERAL PICKING FOOTNOTES**

Project: UNGAVA
Filename: WMC UNGAVA AUGUST 2001
Total Number of Samples in this Report = 7
Batch Number 586

SAMPLE NO.	REMARKS:
S-24	Hornblende-almandine/epidote-apatite-titanite assemblage. SEM checks from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite; and 1 CR candidate = 1 CR.
S-25	Almandine-hornblende/epidote-apatite assemblage. SEM check from 0.25-0.5 mm fraction: 1 CR candidate = 1 CR.
S-26	Hornblende-almandine/diopside-epidote-zircon-sillimanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue-green garnite candidate = 1 spinel.
S-27	Hornblende/apatite-diopside-titanite assemblage.
S-28	Hornblende-almandine/epidote-apatite assemblage. SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
S-29	Hornblende/apatite-titanite-epidote-diopside assemblage.
S-30	Hornblende-almandine/epidote-diopside assemblage.

Appendix 9

Results of Exploration Water Survey

Appendix 9a

Exploration Water Sample Descriptions

SN	East	North	pH	Cond_us
JMM-NZ-1.3	565227	6441022	7.5	88
JMM-NZ-2	565326	6441702	7.4	49
JMM-NZ-3	564999	6441619	7.4	69
JMM-NZ-4	564629	6441857	7.4	80
JMM-NZ-5	564782	6441764	7.3	42
JMM-NZ-6	564404	6442147	7.32	55
JMM-NZ-7	564230	6442612	7.41	62
JMM-NZ-8	563869	6443117	7.6	72
JMM-NZ-9	563878	6444361	7.6	57
JMM-NZ-10	563602	6444172	7.79	79
JMM-NZ-11	563890	6441369	7.6	87
JMM-NZ-12	562823	6440741	7.87	38
JMM-NZ-13	565350	6439838	7.78	40

Appendix 9b

Exploration Water Analysis Certificates

Appendix 10

Results of Environmental Baseline Water Survey

Appendix 10a

Environmental Baseline Water Sample Descriptions

Sample Id	Date	Time	Sampler	Latitude N	Longitude W
140401#3	4/14/01	12:30	M Kwan	57.0975	66.4747
140401#4	4/14/01	14:00	M Kwan	57.0731	66.4849
140401#5	4/14/01	16:00	M Kwan	57.0846	66.5242
150401#1	4/15/01	10:50	M Kwan	57.0950	66.4606
150401#2	4/15/01	09:30	M Kwan	57.1045	66.4790
150401#6	4/15/01		M Kwan	57.1047	66.5751
150401#7	4/15/01	12:56	M Kwan	57.0411	66.4992
190401#8	4/19/01	09:30	M Kwan	57.0448	66.5117
190401#9	4/19/01	11:00	M Kwan	57.0321	66.5034
190401#10	4/19/01	12:15	M Kwan	57.0665	66.5826
190401#11	4/19/01	14:00	M Kwan	57.1249	66.6071
190401#12	4/19/01	14:53	M Kwan	57.1303	66.6354
190401#13	4/19/01	15:30	M Kwan	57.1447	66.6566
190401#19	4/19/01	16:20	M Kwan	57.1336	66.5209
210401#14	4/21/01	11:30	M Kwan	57.0748	66.6864
210401#15	4/21/01	10:35	M Kwan	57.0088	66.6868
210401#16	4/21/01	12:35	M Kwan	57.1742	66.4231
210401#17	4/21/01	13:35	M Kwan	57.1689	66.4484
210401#18	4/21/01	14:25	M Kwan	57.1467	66.4734
300601#3	6/30/01	13:16	M Kwan	57.1138	66.5222
300601#6	6/30/01	11:45	M Kwan	57.1014	66.5253
300601#8	6/30/01	11:00	M Kwan	57.0942	66.5299
300601#10	7/1/01	15:50	M Kwan	57.0981	66.4745
300601#12	7/1/01	15:20	M Kwan	57.0920	66.4745
010701#11	7/1/01		M Kwan	57.0723	66.3976
010701#13	7/1/01	14:30	M Kwan	57.0776	66.6846
010701#16	7/1/01	13:30	M Kwan	57.0553	66.4073
010701#17	7/1/01	14:08	M Kwan	57.0578	66.3960
010701#19	7/1/01	14:55	M Kwan	57.0428	66.6801
010701#20	7/1/01	15:30	M Kwan	57.0364	66.6602
010701#22	7/1/01	15:40	M Kwan	56.0122	66.7094
010701#24	7/1/01	10:30	M Kwan	56.9456	66.2497
010701#25	7/1/01	11:18	M Kwan	56.9501	66.1672
010701#26	7/1/01	11:05	M Kwan	56.9359	66.2262
010701#27	7/1/01	13:03	M Kwan	56.9352	66.2659

Appendix 10b

Environmental Baseline Water Analysis Certificates

Appendix 9

Results of Exploration Water Survey

Appendix 9a

Exploration Water Sample Descriptions

SN	East	North	pH	Cond_us
JMM-NZ-1.3	565227	6441022	7.5	88
JMM-NZ-2	565326	6441702	7.4	49
JMM-NZ-3	564999	6441619	7.4	69
JMM-NZ-4	564629	6441857	7.4	80
JMM-NZ-5	564782	6441764	7.3	42
JMM-NZ-6	564404	6442147	7.32	55
JMM-NZ-7	564230	6442612	7.41	62
JMM-NZ-8	563869	6443117	7.6	72
JMM-NZ-9	563878	6444361	7.6	57
JMM-NZ-10	563602	6444172	7.79	79
JMM-NZ-11	563890	6441369	7.6	87
JMM-NZ-12	562823	6440741	7.87	38
JMM-NZ-13	565350	6439838	7.78	40

Appendix 9b

Exploration Water Analysis Certificates

EAUX ET SOLIDES - ANALYSES INORGANIQUES

Philip	PROCÉDURES ANALYTIQUES	RÉFÉRENCES
III-101	Eaux - détermination d'arsenic et sélénium par génération d'hydrures	MENVIQ. 90.02/204-As 1.1, MENVIQ. 90.02/204-Se 1.1.
III-102	Sols - détermination d'arsenic et sélénium par génération d'hydrures	MENVIQ. 90.02/210-As 1.1, MENVIQ. 90.02/210-Se 1.1. Standard Methods 3114C et 3120B
III-103	Eaux- détermination des métaux et des éléments (B,P,S, et Si) par ICP	Standard Methods 3030K et 3120B. EPA 200.2, MENVIQ. 89.06/204-Met 1.1
III-104	Sols, sédiments et boues - détermination des métaux par ICP	Standard Methods 3120B. MA-200 Met. 1.0
III-105	Eaux, sols et tissus biologiques - détermination du mercure par absorption atomique avec vapeur froide	Environnement Canada-Manual of Analytical Methods, vol.2: Trace metals: mét. 023-2601 et 02-2800
III-106	Eaux- détermination de l'uranium par spectrométrie d'émission au plasma d'argon	MENVIQ. 90.08/203-U.1.1.
III-107	Huiles - détermination des métaux par ICP	MA. 200-Mét. 1.0 et Standard Methods. 3120B.
III-110	Liquides - détermination des métaux et d'autres éléments par spectrométrie d'émission au plasma d'argon ICP avec nébulisation ultrasonique	EPA - Mét. 200 1.5
III-201	Eaux et sols - détermination des anions par chromatographie ionique	MENVIQ. 89.07/304-Ions 1.1.
III-301	Eaux - détermination de l'alcalinité, méthode titrimétrique	Standard Methods, 2320B.
III-302	Détermination de l'azote ammoniacal dans les eaux et les solides - méthode électrométrique	Standard Methods, 4500-NH3.D.
III-303	Détermination de l'azote total Kjeldahl dans les eaux et les solides - méthode électrométrique	Standard Methods, 4500-Norg et 4500-NH3.D.
III-304	Eaux et sols - détermination des cyanures totaux, méthode électrométrique, distillation manuelle	Standard Methods, 4500-CN.C. et 4500-CN.F.
III-305	Eaux et sols - détermination des cyanures disponibles, méthode électrométrique, distillation manuelle	Standard Methods, 4500-CN.J. et 4500-CN.F.
III-307	Détermination de pH dans les eaux et les sols, méthode électrométrique	MENVIQ.89.08/113 - pH 1.1.
III-308	Eaux et solides extractibles - détermination des fluorures, méthode électrométrique	MENVIQ.90.05/304-F1.1.
101	Détermination du point d'éclair dans les liquides	EPA 1010
III-402	Détermination du potentiel oxydo-réducteur des eaux et des sols - méthode électrométrique	Standard Methods, 2580 A et B
103	Eaux et sols - détermination de la conductivité	Standard Methods, 2510B.
III-405	Eaux et sols - détermination de la turbidité	MENVIQ.86.10/103-TUR 1.1.
III-502	Eaux - détermination des sulfures - méthode colorimétrique par bleu de méthylène	Standard Methods, 4500-S2- D F
III-503	Eaux- détermination de la couleur, méthode colorimétrique avec le platino - cobalt	MENVIQ.90.09/104-Col.1.2
III-504	Eaux et solides - détermination du phosphore inorganique, méthode colorimétrique	MENVIQ.90.04/313-P2 1 et Standard Methods, 4500-P E
III-505	Eaux et sols - détermination du chrome hexavalent - méthode colorimétrique	MENVIQ.88.10/204-Cr 1.1.
III-506	Eaux - détermination de la silice réactive par spectrophotométrie UV-Vis - méthode colorimétrique	Standard Methods, 4500-Si D
III-508	Eaux - détermination du phosphore total, méthode colorimétrique	Standard Methods, 4500-P B et E
III-511	Eaux et sols - détermination des cyanures totaux par méthode colorimétrique avec de la pyridine et l'acide barbiturique	Standard Methods, 4500-CN C et E
III-512	Eaux et sols - détermination des cyanures disponibles par méthode colorimétrique avec de la pyridine et l'acide barbiturique	Standard Methods, 4500-CN I et E
III-513	Eaux - détermination des tannins et des lignines par spectrophotométrie UV-Vis - méthode colorimétrique	Standard Methods, 5550 B
III-514	Eaux - détermination de l'orthophosphate par méthode colorimétrique	Standard Methods, 4500-P E
III-515	Détermination du cyanure d'hydrogène dans les solides-Méthode colorimétrique et distillation manuelle	MEF, CEAEQ - méthode MA.308-HCN 1.0
III-516	Détermination du sulfure d'hydrogène dans les solides-Méthode colorimétrique et distillation manuelle	MEF, CEAEQ - méthode MA.308-H2S 1.0
III-601	Détermination des matières particulaires dans l'air ambiant	EPA, Code of Federal Regulations, Title 40, part 50, Appendix B
III-602	Sols-détermination du pourcentage d'humidité, méthode gravimétrique	MENVIQ.89.08/113 - S.T. 1.1.
III-603	Procédure d'opération normalisée pour la détermination des solides totaux et solides totaux volatils par gravimétrie	MENVIQ.87.05/104-ST 1.1. Standard Methods, 2540E
III-604	Détermination des solides en suspension totaux et volatils par gravimétrie	MENVIQ.87.05/104-SS 1.1.
III-605	Procédure d'opération normalisée pour la détermination des solides dissous totaux et solides dissous volatils dans les eaux par gravimétrie	MENVIQ.87.05/104-S.D.1.1.
III-701	Méthode de lixiviation selon le règlement du MEF	Procédure d'évaluation des caractéristiques des déchets solides et des boues pompables, MEF, 1985.
III-703	Méthode de lixiviation selon EPA 1311 ("TCLP")	EPA 1311
III-801	Eaux et solides - détermination du chrome hexavalent, méthode colorimétrique automatisée avec le diphényl-cabazide	MENVIQ. 88. 10/204- Cr. 1.1

No Philip	PROCÉDURES ANALYTIQUES	RÉFÉRENCES
III-802	Eaux et solides - détermination de l'azote ammoniacal, méthode colorimétrique par autoanalyseur	Standard Methods, 4500-NH3-G
III-901	Eaux et sols - détermination des chlorures par méthode colorimétrique automatisée	Standard Methods, 4500-Cl E
III-902	Eaux et sols - détermination des nitrites par méthode colorimétrique automatisée	MENVIQ. 90.05/303-NO2 1.3
III-903	Eaux et sols - détermination des nitrates et nitrites par méthode colorimétrique automatisée	MENVIQ. 89.07/303-NO3 1.1
III-904	Eaux et sols - détermination d'azote total par méthode colorimétrique automatisée	MENVIQ. 90.05/304-PTNT 1.1 et MENVIQ. 90.04/313-NTPT

AIR - ANALYSES INORGANIQUES

No Philip	PROCÉDURES ANALYTIQUES	RÉFÉRENCES
III-108	Filtres, frotis et barboteurs - détermination d'arsenic et sélénium; méthode génération d'hydrures pour les analyses relatives à l'air	Environnement Canada: Manual of analytical methods - vol.2 Trace metals: Mét 02.2200
III-109	Filtres, frotis et barboteurs - détermination des métaux par spectrométrie d'émission au plasma d'argon ICP pour les analyses relatives à l'air	EPA, Code of Federal Regulations, Title 40, part 50, Appendix G et Standard Methods, méthode 3120.

EAUX ET SOLIDES - ANALYSES ORGANIQUES

No Philip	PROCÉDURES ANALYTIQUES	RÉFÉRENCES
II-101	Solides, liquides et tubes de charbon: détermination des BTEX par GC/FID	EPA 3510B et EPA 8015B.
II-103	Sols et eaux: détermination des comp.org. vol. par GC/MS "Purge and Trap"	EPA8260B. MA 400-COV 1.0
II-201	Sols et eaux: détermination des phénols/HAP par GC/MS	EPA 8270, MA 400-HAP 1.0 1999/04/23
02	Procédure d'opération normalisée pour la détermination des hydrocarbures aromatiques polycycliques par SIM GC/MS.	EPA 8270, MA 400-HAP 1.0 1999/04/23
II-301	Analyses des BPC par GC/ECD	MENVIQ 95.05/409 - BPC 1.0
II-401	Détermination des TPH par GC/FID	EPA 3510 B, EPA 8015B et EPA 3540 B.
II-404	Sols-détermination des hydrocarbures C10-C50 (hexane/GC)	MEF, 410-HYD. 1.0.
II-405	Procédure d'opération normalisée pour la détermination des hydrocarbures pétroliers C10 - C50 dans les eaux par GC-FID	MEF, 400-HYD. 1.0.
II-406	Eaux - détermination des huiles et graisses totales par gravimétrie (extraction - hexane)	EPA 1664.
II-501	Eaux/Sols- détermination des BPC par congénères et des chlorobenzènes (SIM - GC/MS)	MA 400 - BPC 1.0
II-503	Sols- détermination des BPC par congénères et des chlorobenzènes (GC/MS)	MENVIQ 95.08/410-BPC-CIB 1.0.
ORG-304	SOP for the Analysis of Liquid and Solid Samples for the Determination of PCDD/DF by LRMS	Environnement Canada SPE 1/RM/3.
ORG-305	SOP for the Analysis of Liquid and Solid Samples for the Determination of PCDD/DF by HRMS	EPA 8290 (modifié)

AIR - ANALYSES ORGANIQUES

No Philip	PROCÉDURES ANALYTIQUES	RÉFÉRENCES
II-104	Émissions atmosphériques : détermination des comp.org. vol. par GC/MS	EPA 5040A REV. 1 NOV 92; EPA 0030 REV. 0 SEPT. 86
II-203	Émissions atmosphériques : détermination des HAP par GC/MS	MEF, Guide d'échantillonnage à des fins d'analyses environnementales, Cahier 4, annexe 5; Menviq 92.07/414 - HAP 1.1
ORG-203	SOP for the Analysis of Polynuclear Aromatic Hydrocarbons by SIM GC/MS	Procédure basée sur les méthodes Carb 429 et Environnement Canada SPE 1/RM/3; procédure d'extraction basée sur EPA méthode 23.
ORG-210	SOP for the Analysis of PCB and Chlorobenzenes by GC/MS-SIM	Environnement Canada SPE 1/RM/3.
3	Analysis of Chlorophenols by SIM/GCMS	EPA SW 8270 et EPA méthode 23.
ORG-302	SOP for the Determination of PCDDs and PCDFs from Stationary Sources by HRMS	EPA méthode 23.

PHILP ANALYTICAL SERVICES INC.- ANJOU
CONFIRMATION OF REQUESTED ANALYSES

CLIENT.....: WMC EXPLORATION INC.
ADDRESS: 8008 East Arapahoe Court
Englewood, Colorado
80112 US
TEL.: 303-268-8300
FAX: 303-268-8375

CONTACT: Paul Taufen
cc: Mary Doherty
cc: Ben Hubert

CLIENT PROJECT No: BEL-003
DESCRIPTION: BEL
Date received: 3/23/2001

CERTIFICATE No: 1C0589
PHILIP PROJECT No: AN010535
PROJECT MANAGER (LAB.): France Corbell
Date required: 4/2/2001

LAB No	CLIENT IDENTIFICATION	MATRIX	DATE SAMPLED	ANALYSIS	ANALYTICAL CODE	PSC METHOD	SUB-CONTRACTING LAB (IF REQUIRED)
006761	101	LIQ		ICP-MS			
006762	102	LIQ		ICP-MS			
006763	103	LIQ		ICP-MS			
006764	104	LIQ		ICP-MS			
006765	105	LIQ		ICP-MS			
006766	106	LIQ		ICP-MS			

Quality Analysis...



Innovative Technologies

Invoice No.: 21744
Work Order: 21963
Invoice Date: 11-APR-01
Date Submitted: 23-MAR-01
Your Reference: MEDWMCWTRQ7
Account Number: 2863

WMC CORPORATE SERVICES INC.
EXPLORATION DIVISION
8008 EAST ARAPAHOE COURT, SUITE 110
ENGLEWOOD, COLORADO
80112 USA
ATTN: PAUL TAUFEN

CERTIFICATE OF ANALYSIS

WATERS

were submitted for analysis.

The following analytical packages were requested. Please see our current fee schedule for elements and detection limits.

REPORT 21744 RPT.XLS CODE 6-ICP/MS (HYDRGEO.REV2)

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "E. Hoffman", written over a horizontal line.

DR E. HOFFMAN / GENERAL MANAGER

ARS_number	MEDWMCWtrQ7				
Lab_batch_number	21963				
Date Received	23-Mar-01				
Date Completed	10-Apr-01				
Laboratory	ACTLABS				
Lab_Location	Ancaster				
Requestor	M. Doherty				
prep1					
prep2					
weight					
mesh					
dig					
tech		Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS
uom		ppb	ppb	ppb	ppb
l_dl		0.2	2.000	0.03	0.002
u_dl					
Batch_size		6	6	6	6
sampno	seqno	Ag	Al	As	Au
101	2	-0.2	-2	-0.03	-0.002
102	4	1.7	14	6.58	-0.002
103	6	1.6	14	6.54	-0.002
104	1	1.7	15	6.78	-0.002
105	3	-0.2	-2	-0.03	-0.002
106	5	6.6	54	25.8	-0.002
*BLK Blank		-0.2	-2	-0.03	-0.002
* STD SLRS-4 Control Material		-0.2	59	0.76	-0.002
* STD NIST 1643D Control Material		1.1	140	53.4	-0.002
Expected Values					
* STD SLRS-4 Control Material		-	54	0.68	-
* STD NIST 1643D Control Material		127	127.6	56	-

Code 6 ICP/MS ppb 0.1	Code 6 ICP/MS ppb 0.1	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 3	Code 6 ICP/MS ppb 50	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 0.002	Code 6 ICP/MS ppb 0.005
6	6	6	6	6	6	6	6
B	Ba	Be	Bi	Br	Ca	Cd	Ce
-1	-0.1	-0.1	-0.01	-3	-50	-0.01	-0.002
79	35.3	8.6	0.05	-3	1,760	5.58	0.092
80	35.9	8.3	-0.01	-3	1,750	5.29	0.092
81	35.0	9.0	0.12	-3	1,900	5.69	0.104
-1	-0.1	-0.1	-0.01	-3	-50	-0.01	-0.002
319	142	33.3	0.07	7	7,700	20.8	0.372
-1	-0.1	-0.1	-0.01	-3	-50	-0.01	-0.002
7	12.0	-0.1	0.05	59	5,990	0.02	0.379
167	518	12.8	11.7	5	34,100	5.61	0.018
-	12.2	-	-	-	6200	0.012	-
144.8	507	12.53	13	-	31040	6.50	-

Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS	Code 6 ICP/MS
ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
0.5	0.002	0.2	0.001	0.001	0.001	5	0.01
6	6	6	6	6	6	6	6
Co	Cr	Cs	Cu	Dy	Er	Eu	Fe
-0.005	-0.5	-0.002	-0.2	-0.001	-0.001	-0.001	-5
5.09	8.6	0.031	21.3	0.009	0.005	0.005	8
5.04	8.6	0.030	20.9	0.008	0.004	0.004	7
5.29	8.7	0.033	21.8	0.009	0.004	0.006	9
-0.005	-0.5	-0.002	-0.2	-0.001	-0.001	-0.001	-5
20.3	35.2	0.129	81.9	0.034	0.016	0.016	33
-0.005	-0.5	-0.002	-0.2	-0.001	-0.001	-0.001	-5
0.046	-0.5	0.007	2.0	0.025	0.014	0.011	101
25.5	17.2	4.80	20.3	-0.001	-0.001	0.061	98
0.033	0.33	-	1.81	-	-	-	103
25	18.53	-	20.5	-	-	-	91.2

Code 6 ICP/MS ppb 0.002	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 0.002	Code 6 ICP/MS ppb 0.2	Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 1	Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 10
6	6	6	6	6	6	6	6
Ga	Gd	Ge	Hf	Hg	Ho	I	In
-0.01	-0.002	-0.01	-0.002	-0.2	-0.001	-1	-0.001
-0.01	0.014	-0.01	-0.002	-0.2	0.002	-1	-0.001
-0.01	0.013	-0.01	-0.002	-0.2	0.001	-1	-0.001
-0.01	0.017	-0.01	-0.002	-0.2	0.002	-1	-0.001
-0.01	-0.002	-0.01	-0.002	-0.2	-0.001	-1	-0.001
-0.01	0.060	0.01	0.004	-0.2	0.006	-1	-0.001
-0.01	-0.002	-0.01	-0.002	-0.2	-0.001	-1	-0.001
0.01	0.041	-0.01	0.003	-0.2	0.005	2	-0.001
0.02	0.004	0.11	-0.002	-0.2	-0.001	-1	-0.001
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 1	Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 1	Code 6 ICP/MS ppb 0.1	Code 6 ICP/MS ppb 0.1	Code 6 ICP/MS ppb 5	Code 6 ICP/MS ppb 0.005
6	6	6	6	6	6	6	6
K	La	Li	Lu	Mg	Mn	Mo	Na
-10	-0.001	-1	-0.001	-1	-0.1	-0.1	-5
223	0.082	13	-0.001	1,536	27.3	11.0	7,460
226	0.081	13	-0.001	1,557	27.0	11.4	7,620
234	0.089	13	-0.001	1,600	28.2	11.7	7,720
-10	-0.001	-1	-0.001	-1	-0.1	-0.1	-5
895	0.324	53	0.002	5,789	120	47.8	30,000
-10	-0.001	-1	-0.001	-1	-0.1	-0.1	-5
625	0.306	-1	0.002	1,700	3.1	0.2	2,300
2,300	0.025	19	-0.001	8,390	33.9	117	23,100
680	-	-	-	1600	3.37	0.21	2400
2356	-	16.5	-	7989	36	113	22070

Code 6 ICP/MS ppb 0.004	Code 6 ICP/MS ppb 0.3	Code 6 ICP/MS ppb 0.002	Code 6 ICP/MS ppb 0.1	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 0.005
6	6	6	6	6	6	6	6
Nb	Nd	Ni	Os	Pb	Pd	Pr	Pt
-0.005	-0.004	-0.3	-0.002	-0.1	-0.01	-0.001	-0.01
-0.005	0.097	6.5	-0.002	7.0	-0.01	0.025	-0.01
-0.005	0.104	6.6	-0.002	6.8	0.01	0.024	-0.01
-0.005	0.102	6.8	-0.002	7.0	-0.01	0.025	-0.01
-0.005	-0.004	-0.3	-0.002	-0.1	-0.01	-0.001	-0.01
-0.005	0.400	26.3	-0.002	27.2	0.03	0.099	-0.01
-0.005	-0.004	-0.3	-0.002	-0.1	-0.01	-0.001	-0.01
-0.005	0.280	0.7	-0.002	0.1	-0.01	0.074	-0.01
-0.005	0.008	54.3	-0.002	17.8	0.12	0.003	-0.01
-	-	0.67	-	0.086	-	-	-
-	-	58	-	18.15	-	-	-

Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 1	Code 6 ICP/MS ppb 0.2	Code 6 ICP/MS ppb 50	Code 6 ICP/MS ppb 0.002	Code 6 ICP/MS ppb 0.1
6	6	6	6	6	6	6	6
Rb	Re	Ru	Sb	Sc	Se	Si	Sm
-0.005	-0.001	-0.01	-0.01	-1	-0.2	-50	-0.002
0.490	-0.001	-0.01	3.27	-1	5.4	1,160	0.021
0.496	-0.001	-0.01	3.24	-1	5.3	1,170	0.019
0.520	-0.001	-0.01	3.31	-1	5.4	1,230	0.021
-0.005	-0.001	-0.01	-0.01	-1	-0.2	-50	-0.002
2.05	0.003	-0.01	12.7	2	18.8	3,450	0.081
-0.005	-0.001	-0.01	-0.01	-1	-0.2	-50	-0.002
1.68	0.007	-0.01	0.25	-1	-0.2	1,980	0.065
12.6	-0.001	-0.01	50.4	1	8.8	2,860	0.003
-	-	-	0.23	-	-	-	-
13	-	-	54.1	-	11.43	2700	-

Code 6 ICP/MS ppb 0.04	Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 0.01	Code 6 ICP/MS ppb 0.001	Code 6 ICP/MS ppb 0.1	Code 6 ICP/MS ppb 0.005	Code 6 ICP/MS ppb 0.001
6	6	6	6	6	6	6	6
Sn	Sr	Ta	Tb	Te	Th	Ti	Tl
-0.1	-0.04	-0.001	-0.001	-0.01	-0.001	-0.1	-0.005
0.4	30.1	-0.001	0.002	-0.01	0.007	0.4	-0.005
0.4	32.6	-0.001	0.002	-0.01	0.006	0.4	-0.005
0.4	29.8	-0.001	0.002	0.01	0.007	0.4	-0.005
-0.1	-0.04	-0.001	-0.001	-0.01	-0.001	-0.1	-0.005
1.6	129	-0.001	0.008	-0.01	0.026	1.4	0.008
-0.1	-0.04	-0.001	-0.001	-0.01	-0.001	-0.1	-0.005
-0.1	28.1	-0.001	0.005	0.03	0.024	1.7	0.007
3.5	339	-0.001	-0.001	1.04	0.018	0.9	7.44
-	26.3	-	-	-	-	-	-
-	295	-	-	1	-	-	7.28

Code 6 ICP/MS ppb 0.001 6	Code 6 ICP/MS ppb 0.05 6	Code 6 ICP/MS ppb 0.02 6	Code 6 ICP/MS ppb 0.003 6	Code 6 ICP/MS ppb 0.001 6	Code 6 ICP/MS ppb 0.5 6	Code 6 ICP/MS ppb 0.01 6	
Tm	U	V	W	Y	Yb	Zn	Zr
-0.001	-0.001	-0.05	-0.02	-0.003	-0.001	0.7	-0.01
-0.001	0.204	3.18	-0.02	0.048	0.003	13.9	0.03
-0.001	0.194	3.18	-0.02	0.048	0.003	13.1	0.03
-0.001	0.202	3.29	-0.02	0.052	0.002	13.6	0.03
-0.001	-0.001	-0.05	-0.02	-0.003	-0.001	1.3	-0.01
0.002	0.793	12.9	-0.02	0.196	0.013	46.4	0.14
-0.001	-0.001	-0.05	-0.02	-0.003	-0.001	-0.5	-0.01
0.002	0.053	0.35	-0.02	0.149	0.013	1.1	0.08
-0.001	0.040	34.3	-0.02	0.008	-0.001	62.6	0.03
-	0.05	0.32	-	-	-	0.93	-
-	-	35	-	-	-	72.5	-



ANALYTICAL SERVICES

Certificate of Analysis

CLIENT INFORMATION

Attention: Paul Taufen
Client Name: WMC EXPLORATION INC.
Project:
Project Desc:
Sampled by: WMC EXPLORATION INC.

Address: 8008 East Arapahoe Court
 Suite 110
 Englewood, Colorado
 80112

Fax Number: 303-268-8372
Phone Number: 303-268-8342

LABORATORY INFORMATION

Contact: France Corbeil
Project: AN010535
Date Received: 01/03/23
Date Reported: 01/03/30
Date Revised: 01/04/06
Revision Number: 2

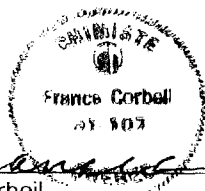
Certificate No.: 1C0589
No. of pages: 6

NOTES:

'-' = not analysed '<' = less than Reported Detection Limit (RDL) 'NA' = no data available
LOQ can be determined for all analytes by multiplying the appropriate RDL X 3.33
Solids data is based on dry weight except for biota analyses.
Organic analyses are not corrected for extraction recovery standards except for isotope dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)

Methods used by Philip Analytical Services are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', Nineteenth Edition. Other methods are based on the principles of MEF or EPA methodologies. See the appendix at the end of this report for the list of the methods used.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at Philip Analytical Services for a period of six weeks from receipt of data or as per contract. This report may not be reproduced except in its entirety, without the written authorization of Philip Analytical Services.



Verified by:
 France Corbeil
 Project Manager

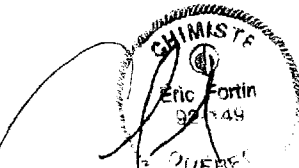
Philip Analytical Services Compliance Report

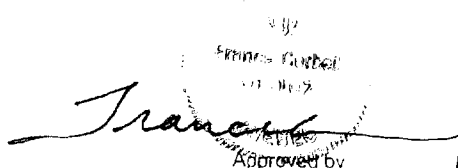
	In compliance	Not in compliance	Not applicable	Not available	Comments
Sample reception					
Sample Containers	x				
Sample preservation		x			
Sample temperature on reception				x	
Chain of custody form				x	Date sampled
Holding time between sampling and reception				x	

Analysis					
Philip analytical SOP followed with no changes	x				
Hold time between sampling and extraction/digestion				x	
Analysis turn around time				x	

Quality control					
Method blank	x				
Reference material (RM)	x				
Duplicate	x				
Matrix spike	x				
Surrogate recovery (see analytical results)			x		
RM statistically in control	x				

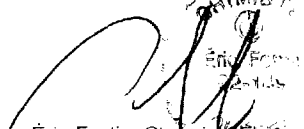
Comments:
 Rev #2: Lower detection limits for Ni.



 Eric Fortin, Chemist
 Inorganic Supervisor


 Approved by

**Philip Analytical Services
Certificate of Analysis**

	<i>Client ID:</i>	101	101	101	101	102	103
	<i>Lab No.:</i>	006761 01	006761 01	006761 01	006761 01	006762 01	006763 01
	<i>Date Sampled:</i>						
	<i>Matrix:</i>	LIQ	LIQ	LIQ	LIQ	LIQ	LIQ
Component	RDL	Units		Duplicate	M. Spike	MS % Rec.	
Metals							
Aluminum	50	ug/L	<	-	-	-	<
Antimony	5	"	<	-	-	-	<
Arsenic	1	"	<	-	-	-	7.0
Barium	5	"	<	-	-	-	43
Beryllium	5	"	<	-	-	-	9.0
Boron	5	"	<	-	-	-	62
Cadmium	1	"	<	-	-	-	7.0
Calcium	100	"	<	-	-	-	1900
Chromium	5	"	<	-	-	-	9.0
Cobalt	5	"	<	-	-	-	6.0
Copper	5	"	<	-	-	-	24
Iron	100	"	<	-	-	-	<
Lead	10	"	<	-	-	-	<
Lithium	0.02	mg/L	<	<	0.20	97%	<
Magnesium	200	ug/L	<	-	-	-	1600
Manganese	5	"	<	-	-	-	37
Molybdenum	5	"	<	-	-	-	13
Nickel	5	"	<	-	-	-	<
Phosphorus	100	"	<	-	-	-	<
Potassium	100	"	<	-	-	-	150
Selenium	1	"	<	-	-	-	6.0
Silicon	50	"	<	-	-	-	940
Silver	5	"	<	-	-	-	<
Sodium	500	"	<	-	-	-	7500
Strontium	5	"	<	-	-	-	36
Sulphur	1	mg/L	<	<	2.0	100%	1.0
Thalium	100	ug/L	<	-	-	-	<
Thorium	5	"	<	-	-	-	<
Tin	10	"	<	-	-	-	<
Titanium	10	"	<	-	-	-	<
Vanadium	20	"	<	-	-	-	<
Zinc	10	"	<	-	-	-	15
Zirconium	10	mg/L	<	-	-	-	<

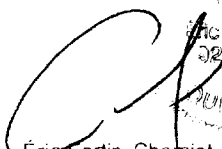

Eric Fortin, Chemist
Inorganic Supervisor


Approved by
France Corheil, Chemist

**Philip Analytical Services
Certificate of Analysis**

Client ID: 104 105 106
Lab No.: 006764 01 006765 01 006766 01
Date Sampled:
Matrix: LIQ LIQ LIQ

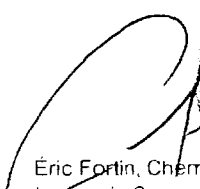
Component	RDL	Units	104	105	106
Metals					
Aluminum	50	ug/L	<	<	66
Antimony	5	"	<	<	16
Arsenic	1	"	7.0	<	28
Barium	5	"	43	<	170
Beryllium	5	"	9.0	<	34
Boron	5	"	70	<	270
Cadmium	1	"	7.0	<	26
Calcium	100	"	1900	<	7300
Chromium	5	"	9.0	<	40
Cobalt	5	"	6.0	<	23
Copper	5	"	23	<	92
Iron	100	"	<	<	<
Lead	10	"	<	<	34
Lithium	0.02	mg/L	<	<	0.05
Magnesium	200	ug/L	1600	<	6200
Manganese	5	"	37	<	140
Molybdenum	5	"	13	<	53
Nickel	5	"	<	<	30
Phosphorus	100	"	<	<	<
Potassium	100	"	140	<	820
Selenium	1	"	6.0	<	24
Silicon	50	"	920	<	3500
Silver	5	"	<	<	8.0
Sodium	500	"	7300	<	30000
Strontium	5	"	36	<	140
Sulphur	1	mg/L	1.0	<	4.0
Thalium	100	ug/L	<	<	<
Thorium	5	"	<	<	<
Tin	10	"	<	<	<
Titanium	10	"	<	<	<
Vanadium	20	"	<	<	<
Zinc	10	"	14	<	59
Zirconium	10	mg/L	<	<	<


 Eric Fortin, Chemist
 Inorganic Supervisor

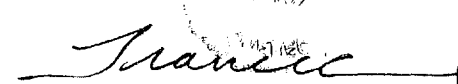

 Approved by
 France Corbell, Chemist

**Philip Analytical Services Corporation
Laboratory Method Blanks**

Component	RDL	Units		
Batch Code:			0330PL91	RM
Lithium	0.02	mg/L	<	99%
Batch Code:			0330PL91	RM
Sulphur	1	mg/L	<	100%
Batch Code:			0328PL81	RM
Thorium	5	ug/L	<	95%
Batch Code:			0327PL81	RM
Zirconium	10	mg/L	<	110%
Batch Code:			0327PL81	RM
Aluminium	50	ug/L	<	95%
Antimony	5	"	<	103%
Arsenic	1	"	<	108%
Barium	5	"	<	108%
Beryllium	5	"	<	104%
Boron	5	"	<	102%
Cadmium	1	"	<	114%
Calcium	100	"	<	104%
Chromium	5	"	<	110%
Cobalt	5	"	<	112%
Copper	5	"	<	108%
Iron	100	"	<	112%
Lead	10	"	<	112%
Magnesium	200	"	<	110%
Manganese	5	"	<	114%
Molybdenum	5	"	<	115%
Nickel	20	"	<	106%
Phosphorous	100	"	<	114%
Potassium	100	"	<	96%
Selenium	1	"	<	112%
Silicon	50	"	<	85%
Silver	5	"	<	89%
Sodium	500	"	<	93%
Strontium	5	"	<	114%
Thalium	100	"	<	108%
Tin	10	"	<	103%
Titanium	10	"	<	110%
Vanadium	20	"	<	112%
Zinc	10	"	<	108%



 CHIMIST
 (en)
 Eric Fortin
 92-143
 0102
 Eric Fortin, Chemist
 Inorganic Supervisor



 APPROVED
 Francis Corbett
 01 0102
 Approved by
 Francis Corbett, Chemist

**Philip Analytical Services Corporation
Summary of Analysis Prep. Dates**


Batch Code: 0330PL91
Lithium etc. 006761 01
006762 01
006763 01
006764 01
006765 01
006766 01
Date Analyzed: 01/03/30
Date Prepared: 01/03/30


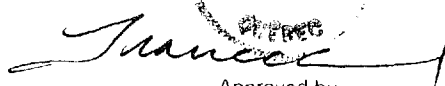
Batch Code: 0330PL91 0330PL91
Sulphur etc. 006761 01 006764 01
006761 01 006764 01
006762 01 006765 01
006762 01 006765 01
006763 01 006766 01
006763 01 006766 01
Date Analyzed: 01/03/30 01/03/30
Date Prepared: 01/03/30 01/03/30

Batch Code: 0328PL81 0328PL81
Thorium etc. 006761 01 006763 01
006762 01
006764 01
006765 01
006766 01
Date Analyzed: 01/03/28 01/03/28
Date Prepared: 01/03/28 01/03/28

Batch Code: 0327PL81
Zirconium etc. 006761 01
006762 01
006763 01
006764 01
006765 01
006766 01
Date Analyzed: 01/03/27
Date Prepared: 01/03/27

Batch Code: 0327PL81
Calcium etc. 006761 01
006762 01
006763 01
006764 01
006765 01
006766 01
Date Analyzed: 01/03/27
Date Prepared: 01/03/27


Eric Fortin, Chemist
Inorganic Supervisor



Approved by
France Corbell, Chemist

QUESTIONNAIRE PHILIP

Site internet : www.philpanalytical.com

Adresse électronique : arouchdy@philipinc.com

Chers clients,
Chères clientes,

Dans le but de mieux vous servir, nous vous demandons de nous accorder un peu de votre temps afin de répondre à quelques questions concernant le service que vous avez reçu lors de la remise de votre projet. Tout ceci a pour but de mieux vous servir.

S'il-vous-plaît, répondre en fonction d'une échelle de 0 à 5.

	Médiocre		Bien		Excellent	
1. Est-ce que les résultats ont été reçus à temps ?	0	1	2	3	4	5
2. Est-ce que les attentes face à vos demandes ont été gérées de façon rapide et professionnelle ?	0	1	2	3	4	5
3. Est-ce que le personnel a su répondre à toutes vos questions ?	0	1	2	3	4	5
4. Est-ce que la qualité des résultats a rencontré vos attentes ?	0	1	2	3	4	5
5. Évaluez la performance de notre firme dans son ensemble ?	0	1	2	3	4	5

Comment pourrions-nous améliorer notre service ? _____

Nom de la compagnie : _____

Projet : _____ Date : _____

1C0589
*Nous vous remercions de votre support
et du temps que vous nous avez accordé.*



PHILIP SERVICES ANALYTIQUES

ANNEXE

**Confirmation des analyses et
description des méthodes analytiques**

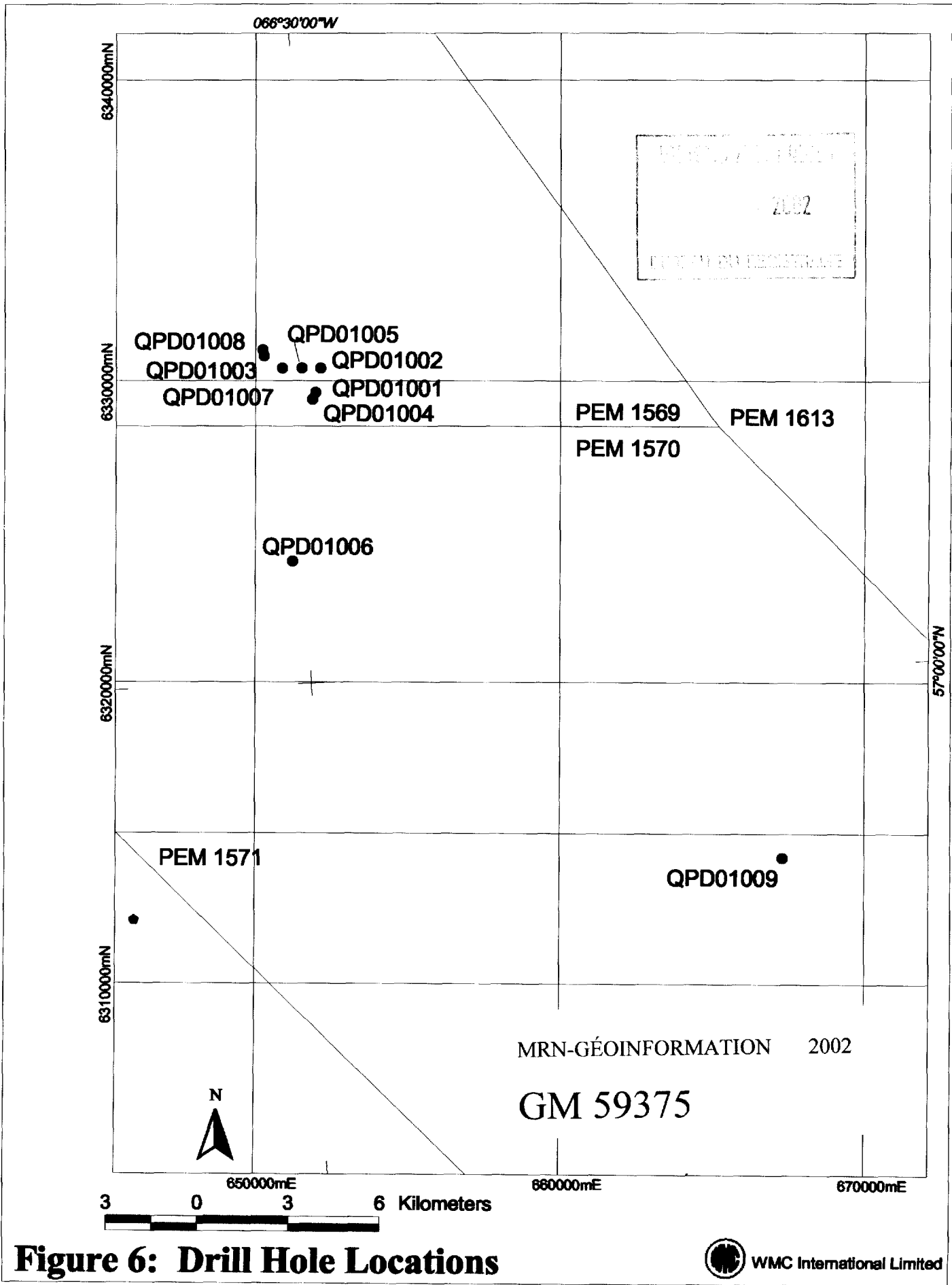


Figure 6: Drill Hole Locations

Appendix 5
Results of Diamond Drilling

Appendix 5a

Explanation of Abbreviations Used in Drill Logs

Symbol	Rock Type
\$yc-p	massive sulfide w/ graphitic interbeds
\$yc-p-n	massive sulfide-spo/scp/se
_nH	contact zone with graphite
-aR^g	paragneiss
-aR^g-b	graphitic paragneiss with biotite
-aR^g-n	graphitic paragneiss
-aR^g-n&Fg	mixed graphitic paragneiss & granite
-aR^g-n&M	mixed graphitic paragneiss & mafics
-aR^g-n&Mgno	mixed graphitic paragneiss & olivine gabbronorite
-aR^g-ns	silicified graphitic paragneiss
Fg	granite
Fg&-aR^g	mixed granite & paragneiss
Fg&-aR^g-b	mixed granite & paragneiss with biotite
Fg&-aR^g-n	mixed granite & graphitic paragneiss
Fge	granodiorite
Fn	granitoid
fnR	mixed granite & granitic gneiss
fnR	granulite facies hornfels
fnR&Mngo	mixed granulite facies hornfels & olivine gabbronorite
fnRs	silicified granulite facies hornfels
gB	brecciated gabbro
ld	diorite
iaR	mafic alkali intrusive
iU	ultramafic (intrusive)
iU&Mgno	mixed ultramafic (intrusive) & olivine gabbronorite
-kMd	diabase/dolerite dyke
M^jgno	melano-olivine gabbronorite
M^lgno	leuco-olivine gabbronorite
Mb	basalt
M-cgno	pegmatitic Mgno
Mfp	anorthosite
Mgb	gabbro
Mgn	gabbronorite
Mgn&Mgno	mixed gabbronorite & olivine gabbronorite
Mgno	olivine norite
Mgno&^pB	olivine norite & brecciated paragneiss
Mgno&-aR^g	mixed Mgno and paragneiss

Symbol	Rock Type
Mgno&-aR^g-n	mixed Mgno and graphitic paragneiss
Mgno&Fg	mixed-Mgno and granite
Mgo	olivine gabbro
Mn	norite
Mno	olivine norite
msJ	mixed-mafic/sedimentary
Mtr	troctolite
Mtr-fil	troctolite with labradorite
R^gqfj	granitic gneiss
UG	overburden

Abbreviation	Rock Type Textures
ac	adcumulate
ae	Amygdaloidal Texture
ag	Anhedral granular
aa	Aphanitic texture
ay	aphyric
ba	Banded
bd	brecciated
ch	Chilled
cm	Cumulate texture
de	Dendritic
eq	Equigranular
eg	euhedral granular
fw	Flow banded
gt	glomeroporphyritic
gn	Gneissic
gh	graphic
il	igneous layering
im	imbricate
ie	inequigranular
it	intergranular
ig	intergrowth
is	intersertal
lm	lamellar
ld	layered
ms	Massive
mk	mermekitic
md	Mottled
nt	Net texture
op	Ophitic
pw	Pillows
pk	Poikilitic
po	Porphyritic
pb	Porphyroblastic
ra	radiating
sr	saccharoidal
sc	Schistose
se	seriate
ht	spherulitic
sp	spinfex
st	Stringer
sg	Subhedral granular
os	Subophitic
th	trachytitic
ty	trachytoid or flow texture
vr	Variolitic
vg	vuggy
xw	Well sorted

Abbreviation	Mineral Texture Description
ac	acicular
an	anhedral
ba	band
bn	banded
by	blebby
cg	coarse grained
de	dendritic
dn	discontinuous
ds	disseminated
eq	equigranular
eu	euohedral
fg	fine grained
in	infilling
is	interstitial/insertal
ir	irregular
la	laminated
ma	matrix
mg	medium grained
md	mottled
nt	net texture
i	pervasive
po	porphyritic
pb	porphyroblastic
ps	pseudomorph
ra	radiating
rn	ribbony
mp	spotted
st	stringer
su	subhedral
^v	vein assoc/halo
v	vein hosted
vf	very fine grained
vu	vuggy

Symbol	Sulphide Minerals
sa	Arsenopyrite
sbn	Bornite
scp	Chalcopyrite
se	Pentlandite
sgn	Galena
slv	Violarite
sm	Molybdenite
spo	Pyrrhotite
spy	Pyrite
ssp	Sphalerite
xc	Chromite

Symbol	Rock and alteration minerals
fal	Albite
fk	Alkali Feldspars
a	Amphibole
ka	Andalusite
ba	Ankerite
mb	Biotite
bc	Calcite
c	Chlorite
pc	Clinopyroxene
kd	Cordierite
auc	Cummingtonite
bd	Dolomite
ee	Epidote
f	Feldspar
mf	Fuchsite
g	Garnet

Symbol	Rock and alteration minerals
lcg	Graphite
aug	Grunerite
ah	Hornblende
xi	ilmenite
xl	Leucoxene
bm	Magnesite
xm	Magnetite
mu	Muscovite
o	Olivine
po	Orthopyroxene
fp	Plagioclase
p	Pyroxene
q	Quartz
br	Rhodochrosite
ms	Sericite
r	Serpentine

Symbol	Rock and alteration minerals
ks	Sillimanite
t	Talc
it	Tourmaline
xx	unidentified
xxf	unidentified felsic
xxm	unidentified ferromagnesian

Symbol	Attributes for Minerals, Sulfides, Alteration
ab	subangular
am	amorphous
an	anhedral
ar	angular
au	acicular
ba	banded
bk	blocky
bl	bladed
by	blebby
cb	cubic
cs	cusped
de	dendritic
do	droplet
ds	disseminated
em	embayed
eq	equant
eu	euhedral
fi	fibre
fk	flake
fo	foliated
ib	idioblastic
ic	inclusion
id	interdigitate
ig	intergrowth
in	infill
ir	irregular
kd	clustered
ke	kernel
lh	lath
lm	lamellar
lt	laminated
lz	lozenge
mk	myrmekitic
mo	mottled
ms	massive
mz	mosaic
ne	network
og	overgrowth
pe	pencil-like
pm	prismatic
pt	platy
rb	subrounded
ri	rim
rn	ribbon
ru	rounded

Symbol	Attributes for Minerals, Sulfides, Alteration
sb	stubby
sk	skeletal
su	subhedral
ta	tabular
tw	twinned
xb	xenoblastic
xn	crystalline
zn	zoned

Symbol	Vein Type
vt	Stockwork
vv	Shear vein
vx	Extension
vw	Anastomosing
vk	Crackle
vb	Crack-seal
vl	Ladder
vm	Mottled
vc	Brittle
vd	Ductile
va	Laminated
bx	Breccia
vn	Boudinaged
vu	Vuggy
fa	Faulted
fd	Folded
vs	Vein set
dn	Discontinuous
ee	En echelon
si	Simple

Symbol	Alteration Intensity
	1: Weak alteration
	2: Moderate alteration
	3: Strong alteration
	4: Very strong alteration

Symbol	Mineral Grain Size
	5: Very Coarse Grain (1.5 cm - 10 cm)
	4: Coarse Grain (5mm - 1.5 cm)
	3: Medium Grain (2mm - 5mm)
	2: Fine Grain (0.5 mm - 2mm)
	1: Very Fine Grain (0.05 mm - 0.5 mm)

Abbreviation	Colour Tone
l	light
m	medium
d	dark
p	pale
k	dusky

Abbreviation	Colour
bk	Black
bl	Blue
bs	Brass
bz	Bronze
br	Brown
clr	Clear
cos	Colourless
cr	Cream
go	Gold
gn	Green
gy	Grey
ol	Olive/Khaki
or	Orange
pl	Pink
pu	Purple
rd	Red
si	Silver
wh	White
ye	Yellow

Abbreviation	STRUCTURE
ax	Fold axis
bx	Breccia
cc	Cross-cutting
cn	Crenulation
cv	Cleavage
cz	Cataclasite
fa	Fault
fc	Fracture
fd	Fold
fg	Fault gouge
fn	Foliation
fs	Fracture set
fx	Fault breccia
fz	Fault zone
ln	Lineation
mi	Mylonite
sh	Shear

Structural Intensity	Structural Intensity Descriptor
1	slightly
2	moderately
3	intensely

Abbreviation	sample type
DSPLT	Quarter sample
STAND	Standard
COMPOSITE	Composite Sample

Abbreviation	QC Type
QS	Standard
SD	Sample duplicate
R	Lab replicate

Abbreviation	Downhole Survey Type
SS	SPERRY SUN
MS	MICROSYNC
MB	MAXIBORE
CL	CLINOMETER (at collar)

Abbreviation	Survey Status
GRID	Spotted from a grid
GPS-H	Spotted using a hand held GPS
GPS-A	Spotted using an Ashtech GPS

Appendix 5b

Drill Logs

DRILL LOG QPD01001

ZONE:	PAPAVOINE	EASTING UTM:	651947.74	DDH STARTED:	4/14/01
SITE:	LAND	NORTHING UTM:	6329593.05	DDH FINISHED:	4/17/01
ORIENTATED:	No	ELEVATION (m):	383.25	GEOLOGIST 1:	JIM MCKINNON-MATTHEWS
GEOTECH:	Yes	BEARING:	272	GEOLOGIST 2:	JOHN EVEREST
CASING (m):	2.80	DIP:	-60.00	LOG COMPLETED:	4/20/01
		LENGTH (m):	216.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

QPD01001 was drilled to intersect a sub vertical conductor at 130 m, and a flat lying conductor at 300 m. These conductors were modelled from the ground UTEM survey. Collared in Olivine Gabbro Norite, this rock type (ortho/clino - pyroxene, olivine, plagioclase) dominated the down hole stratigraphy until the footwall. To a lesser extent, Troctolite, pegmatitic Olivine Gabbro Norite, leucocratic Olivine Gabbro Norite, Anorthosite and mixed units of mafic igneous rock and graphitic paragneiss were intersected within this package of mafic igneous rock. The dominant mineralized zones were from 2.8 to 13.25 m (3-5% pyrrhotite), 22.4 to 41.7 m (0.5 to 2 % pyrrhotite), 51.55 to 67.15 m (0.5 to 3% pyrrhotite), 67.15 to 89 m (0.5 to 7 % pyrrhotite), 89 to 99 m (0.5 to 2 % pyrrhotite), and 112.95 to 114.2 m (0.5 to 3% pyrrhotite), with some of the best zones of mineralization occurring within graphitic paragneiss partially digested by the mafic igneous rock. Chalcopyrite was commonly associated with the pyrrhotite in a ratio of approximately 1:10. The footwall contact was encountered at approximately 115.5 m. Leading up to the footwall contact, the complexity of the rocks increased. Increased digestion of country rock into the mafic igneous rock may have been partly responsible for this complexity. The footwall units consisted dominantly of graphitic paragneiss intermixed with granite, and local cross cutting diabase dykes.

The local and down hole geology suggests that this hole intersected the margins/flank of a large mineralised mafic sill-like intrusion.

DHEM conducted on the hole confirmed that the hole failed to intersect significant conductive rocktypes. A graphitic zone (within mafic intrusive rock) at approximately 80m downhole depth gave a weak inhole response but was interpreted not to be the source of the vertical conductive component. Further interpretation of this borehole data, surface UTEM and AEM indicates that the conductive body is in fact flat lying and that this hole missed the conductor by approximately 200m. This large, flat conductive body is now interpreted to occur to the south of this hole, at a depth of 90m.

DRILL LOG: QPD01001

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

0.00 2.80 UG 100 0

2.80 9.50 Mgno 100 0

Igneous texture, however blebby and stringy graphite throughout - potential partial digestion of sedimentary rock by mafic igneous rock, 50% plag, 50% mafic minerals (subhedral) - olivine ? & pyroxene, equigranular to 7.3 m, after which the unit becomes more mafic with less crystallinity to the grains, Sulphide blebs occur up to 2 cm in size. Unit variably textured.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
2.80	7.30		mg			1	
2.80	7.30		eq			1	
7.30	9.50		ag			1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
3.48	3.88	lcg	10	st							1	
3.88	4.84	lcg	0.5	ds							1	
4.84	5.12	lcg	5	by							1	
8.20	8.90	lcg	10	st							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
2.80	9.50	scp	0.20	fg					
2.80	9.50	spo	3.00	by					

9.50 10.30 M^ligno 100 0

Similar in composition to previous unit, consisting of variable cpx, opx, and olivine, however more leucocratic in composition - 70 to 80 % plagioclase, md to coarse grained, more felsic appearance than previous unit, gradational upper contact, sharp lower contact, pink pyroxene (bronzite) - up to 2 cm in size, also brown and green mafic minerals (cpx/olivine)

10.30 11.40 Mgno 100 0

medium to coarse grained, 50-50 feldspar/mafic minerals. Sulphides fg-mg interstitial and blebby in places. scp commonly associated with spo as discrete grains. Plag has blady appearance. sharp lower contact with pegmatitic phase.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
10.30	11.40		sg			1	

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT				
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
----------	----------	-------	-------	-------	---------	-------

22.40	24.80	yv			1	
-------	-------	----	--	--	---	--

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
-----------	-----	---	-------	-------	-------	-------	----------	-------

22.40	24.80	scp	0.10					
-------	-------	-----	------	--	--	--	--	--

22.40	24.80	spo	0.50					
-------	-------	-----	------	--	--	--	--	--

24.80	27.25	Mgno	100	0	Shp
--------------	--------------	-------------	------------	----------	------------

medium grained unit - blebby and interstitial sulfides up to 2% throughout, coarse grained pink pyroxene locally throughout,

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
----------	----------	-------	-------	-------	---------	-------

24.80	27.25	eq			1	
-------	-------	----	--	--	---	--

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
-----------	-----	---	-------	-------	-------	-------	----------	-------

24.80	27.25	scp	0.20	by				
-------	-------	-----	------	----	--	--	--	--

24.80	27.25	spo	2.00	by				
-------	-------	-----	------	----	--	--	--	--

27.25	27.65	M^lgno	100	0
--------------	--------------	---------------	------------	----------

similar to previous but more leucocratic, weak relic foliation - remanant of digestion of graphitic material, medium grained

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
------------	-----	---	-------	-------	-------	-------	----------	------	--------	---------	-------

27.25	27.65	lcg	5	st						1	
-------	-------	-----	---	----	--	--	--	--	--	---	--

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
-----------	-----	---	-------	-------	-------	-------	----------	-------

27.25	27.65	scp	0.20	by				
-------	-------	-----	------	----	--	--	--	--

27.25	27.65	spo	2.00	by				
-------	-------	-----	------	----	--	--	--	--

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
-----------	--------	--------	-----------	----	------	-----	---------	-------

27.25	27.65	fn	1	45				
-------	-------	----	---	----	--	--	--	--

27.65	31.50	Mgno	100	0	Shp
--------------	--------------	-------------	------------	----------	------------

medium grained to coarser grained near lower contact, similar to interval 24.8 to 27.25, locally troctolitic,

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
-----------	-----	---	-------	-------	-------	-------	----------	-------

27.65	31.50	scp	0.20	by				
-------	-------	-----	------	----	--	--	--	--

27.65	31.50	spo	2.00	by				
-------	-------	-----	------	----	--	--	--	--

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

31.50 32.15 M-cgno 100 0

pegmatitic version of the olivine gabbro norite, huge grains of pyroxenes and plagioclase, olivines are generally smaller, similar to 22.4 to 24.8 m,

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
31.50	32.15	scp	0.10	ds				
31.50	32.15	spo	1.00	ds				

32.15 34.65 Mgno 100 0

medium grained, troctolitic portions locally, blebby and disseminated pyrrhotite - 1 % over interval, but locally up to 7 %, reddish mineral (hematite/hercynite???) in trace amounts - associated with blebby sulfide zone, mafic/felsic - 50/50

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
32.60	33.00	icg	5	by						1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
32.60	33.00	scp	0.50	by				
32.60	33.00	spo	7.00	by				
33.00	34.65	spo	1.00	by				

34.65 48.00 M^Igno 100 0 Gr

variable texture throughout, leucocratic, mg-cg dominantly diffuse grain boundaries. Three mafic phases. Occ narrow interval of subhedral grains. Blebby sulphides sporadic throughout interval to 2% in places. Last 3m of interval there are cb, q, talc veins become aparent.

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
34.65	37.15	spo	1.00	by				
39.90	40.90	spo	0.50	by				
41.45	41.70	spo	2.00	by				

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
44.50	48.00	fs	1	60				3 zones in this interval 5cm wide

48.00 56.60 Mtr 100 0 Gr

mg troctolite with thin melts of pegmatitic olivine gabbro throughout interval. sulphides are sporadic throughout interval in trace amounts and generally interstitial. Cg brown px sporadic also. Troctolite itself is uniform, serpentinitic/talcosse alteration fronts extend several cm outwards from fractures,

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size					Notes
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51.55	52.40	spo	2.00	is									
52.40	56.60	spo	0.50	is									

STRUCTURE		Type 1	Type 2	Intensity					CA	Qual	Dip	Dip/Dir	Notes
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48.00	56.60	fc		1				70				multiple mm scale factures throughout unit - talcose/serpentinic
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56.60 61.20 Mgno&-aR^g-n 100 0

Interval consists of mafic rock - probably gabbro-norite? composition and graphitic metasediments. Graphite is both blebby (digested by mafic?) and shows relic foliation in places also. Graphite is in enough abundance and continuous enough to be conductive - may be source of subvertical EM conductor. Sulphides (spy/spo minor scp) are common in this zone as blebs often intimately associated with the graphite. vfg red alteration?(haemetite?) mineral present in minor amounts here as well.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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56.60	57.30	lcg	20	by							1	
57.30	59.05	lcg	5	by							1	
59.05	61.20	lcg	25	st							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size					Notes
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56.60	57.30	spo	3.00	by									
57.30	59.05	spo	0.50	by									
59.05	61.20	spo	3.00	is									

STRUCTURE		Type 1	Type 2	Intensity					CA	Qual	Dip	Dip/Dir	Notes
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59.05	61.20	fn		2				25				foliated graphitic sediment being digested by Mafic intrusion
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61.20 68.70 Mgno 100 0

mottled textured olivine gabbro norite, grain clusters with diffuse contacts - grains anhedral, very mafic, trace graphite locally, vn like serpentine filled fractures spaced at 5 to 10 cm throughout interval - alteration fronts extend outwards from fractures altering mafic minerals to serpentine (??), locally mottled texture forms linear fabric

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No						Notes
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61.20	67.15		md			1						
61.20	67.15		ag			1						

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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67.15	67.70	lcg	3	by							1	
67.70	67.90	lcg	25	st							1	

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT				
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes										
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61.20	67.15	spo	1.00	by															
67.15	67.70	spo	5.00	by															

STRUCTURE		Type 1	Type 2	Intensity					CA	Qual	Dip	Dip/Dir	Notes			
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67.70	67.90	fn		1					27				fn defined by graphite			
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68.70 69.60 Mgno&-aR^g-n 100 0

a mixed unit consisting dominantly of sedimentary material which has been partially digested by the mafic igneous rock, strong fn throughout, lower contact sharp, pyrrhotite more prevalent near lower contact

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes			
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68.70	69.60	lcg	30	st							1				
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes										
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68.70	69.60	spo	0.10																
68.70	69.60	spy	2.00																

STRUCTURE		Type 1	Type 2	Intensity					CA	Qual	Dip	Dip/Dir	Notes			
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68.70	69.60	fn		2					20							
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69.60 69.80 Mfp 100 0 Shp

medium to fn grained unit, light coloured, sharp contacts, possible dyke

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes										
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69.60	69.80	spo	5.00	by															
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69.80 73.70 Mgno&-aR^g-n 100 0

unit of graphitic rich sediments partially digested by mafic igneous rock, relic foliation defined by stringy graphite,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes			
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69.80	73.70	lcg	20	st							1				
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes										
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69.80	73.70	spo	3.00	by															
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STRUCTURE		Type 1	Type 2	Intensity					CA	Qual	Dip	Dip/Dir	Notes			
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69.80	73.70	fn		1					35							
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FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

73.70 79.75 Mgno 100 0

variably textured mafic igneous unit, stringy graphite locally sub-parallel to core, mafic unit encloses quartz jobs at 77.05 to 77.15, and 77.65 to 78 - these jobs have smooth curvilinear contacts with the mafic unit. narrow zones of pegmatitic material identified throughout interval - large plagioclase and pyroxene crystals (3 to 4 cm) - similar to previous units of pegmatitic material.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
76.00	76.30	lcg	10	ds							1	
78.30	79.75	lcg	10	st							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
73.70	75.00	spo	2.00	by					
75.00	76.00	spo	4.00	by					
76.00	78.00	spo	1.00	by					
78.00	79.75	spo	2.00	by					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
78.30	79.75	fn		2	0				fn defined by graphite - subparallel to core

79.75 80.25 Fg 100 0 Shp

very coarse grained granitic unit - pegmatitic, pink - salmon coloured, raft within noritic unit, sharp contacts

80.25 80.78 M-cgno 100 0 Shp

pegmatitic unit of gabbro olivine norite - possibly coarser grained unit of mafic layer

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
80.25	80.78	yv				1	

80.78 81.70 Mgno 100 0

grain boundaries are diffuse, medium grained, dark grey, graphitic locally

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
80.78	81.10	lcg	20	st							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
80.78	81.10	spo	2.00	ds					

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
81.70	82.00		M-cgno																

similar to previous unit of the same, fines into a medium grained mafic unit with abundant pyrrhotite, this unit may represent a coarse grained layer within a mafic layering sequence, large pyroxenes and plagioclase (3 to 4 cm)

82.00 83.40 Mgno 100 0

medium grained unit of mafic igneous rock - possible lower unit of a layered sequence, graphite locally, serpentinitic fractures locally throughout

<i>MINERALOGY</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>C</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>
82.00	82.65	lcg	2	ds								1	

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>				
82.00	82.65	spo	7.00	by									
82.65	83.30	spo	1.00	ds									
83.30	83.40	spo	10.00	by									

83.40 84.50 Mgno&-aR^g-n 100 0

strongly graphitic unit, sediments partially digested by mafic igneous unit,

<i>MINERALOGY</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>C</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>
83.40	84.50	lcg	30	st								1	

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>				
83.40	84.50	spo	2.00	by									

<i>STRUCTURE</i>		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/ Dir</i>	<i>Notes</i>	
83.60	84.00	fn		2	40				fn defined by graphite zones	

84.50 86.52 Mgno 100 0

medium grained mafic igneous unit, mafic/plagioclase : 50/50, equigranular, minor graphite throughout, blebby pyrrhotite, lineation of minerals define local flow banding (?) or preferred settling orientation (?)

<i>MINERALOGY</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>C</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>
84.50	86.52	lcg	1	ds								1	

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>				
84.50	86.52	spo	4.00	by									

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

86.52	86.90	Mgno&-aR^g-n	100						0					Shp	45
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dark black unit of mafic layers interlayered with graphitic lamellae,

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
86.52	86.90	log	15	st						1	

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
86.52	86.90	fn	2	45				

86.90	91.67	Mgno	100						0		
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medium grained unit, 50:50 - plagioclase:mafic, although unit becomes more mafic from 89.56 to the bottom contact, mafic component dominantly pyroxene with lesser olivine, blebby sulfides, graphite at upper contact

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
86.90	87.14	lcg	8	ds						1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
86.90	87.14	spo	4.00	ds				
87.14	87.83	spo	3.00	by				
87.83	89.00	spy	0.50	an				
87.83	89.00	spo	5.00	by				
89.47	89.56	spo	1.00	by				
89.56	91.28	spo	0.50	ds				
91.28	91.67	spo	1.00	by				

91.67	101.27	Mgno	100						0		Shp
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medium grained mafic unit, unit is locally talcose - after olivine? - occurring as discrete pale coloured grains, brownish grey colouration to unit, locally pegmatitic (very coarse grained), 2 to 5 % reddish brown biotite throughout. Unit essentially barren of sulphides, minor blebby and disseminated sulfides associated with pegmatitic melt phases. v minor serp veins.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
98.10	99.00	yc			1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
98.10	99.00	spo	2.00	ds				

101.27	105.00	Mgno	100						0		Gr
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FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

finer grained version of previous unit. increasing biotite downhole toward contact with granite. Colour of unit becoming more bn-gy in colour. Biotite becoming mg-cg. Unit fg - mg.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
101.27	105.00	mg			1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
104.50	105.00	spo	0.50	ds				

105.00	105.85	Mgno&Fg	100	0	Gr
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Mixed zone of mafic intrusion and footwall granite. cg bladey biotite common associated more with poritons of granitic material. no significant mineralisation other than thin zones on contact(spo-spy).

105.85	107.00	Fg	100	0
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pink to salmon colour of feldspars related to contact metamorphism/alteration,

107.00	112.35	Mgb	100	0
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plagioclase+amphibole+biotite+/-pyroxene + minor quartz, possible mixed unit (mafic igneous with footwall granites), mafic minerals have been partially altered to leucoxene, trace patchy sulfides, equigranular/medium grained,

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
107.00	112.35	ym			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
107.00	112.35	lcg	1	ds						1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
107.00	112.35	spy	0.50					

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
111.60	111.61	fc	0	20				serpentine filled fracture

112.35	112.95	Mgno&-aR^g-n	100	0
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graphitic unit, good foliation defined by graphite, veins of serp and talc present, serpentinitic fractures within this zone contain coarse sphalerite xtals.

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
112.35	112.95	lcg	20	st						1	

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>				<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>			<i>Notes</i>					
112.52	112.77	fs		1				50						talc-serp veinlets in fracture with cg sphalerite.					
112.95	113.80	Mgb			100					0					Shp	70			
mg-cg gabbro. Interval likely to be composite sed/mafic melt. Gabbro does enclose kfeld granitoid. minor spo on upper contact with graphitic sediment.																			
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>						<i>Notes</i>					
112.95	113.15	spo	3.00	by															
113.80	114.12	-kMd			100					0					Shp				
fg diabase dyke with trace spo. Probably related to overlying sill.																			
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>								<i>Notes</i>					
113.80	114.12		fg			1													
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>						<i>Notes</i>					
113.80	114.12	spo	0.50	by															
114.12	114.72	Mgb			100					0					Shp				
Gabbro as interval 112.95-113.8. mg-cg. minor spo on lower contact.																			
114.72	115.50	-kMd			100					0					Shp				
fn grain, dark grey to black, sharp upper and lower contacts, uniform																			
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>								<i>Notes</i>					
114.72	115.50		fg			1													
115.50	118.85	Fg			100					0									
variably textured, mafic to felsic locally, more felsic units contain pinkish K-spar, fine to coarse grain																			
118.85	120.30	Fg&-aR^g-n			100					0									
mixed unit of gneissic graphitic sediments (paragneiss) with granitic igneous intrusive, graphite stringy,																			

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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118.90	119.50	lcg	20	st							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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119.20	119.70	spy	5.00	eu					
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120.30	123.50	Fg									100	0
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salmon to pink coloured, locally cut by thin cm scale aphanitic mafic phase (122m),

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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121.55	121.65	spy	15.00	eu					
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123.50	134.20	Fg&-aR^g-n									100	0
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mixed dm to m scale units of granitoid and graphitic paragneiss, granite has partially digested gneissic sediments, granite may be related to the De Pas Batholith,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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123.50	124.70	lcg	5								1	
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125.10	127.85	lcg	15								1	
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131.95	133.20	lcg	15								1	
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134.20	138.40	-aR^g-n									100	0
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graphitic paragneiss, black, up to 10% graphite, strong foliation,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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134.20	138.40	lcg	10	st							1	
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STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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134.20	138.40	fn		3	40				
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138.40	138.55	-kMd									100	0	Shp	40
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Thin mafic fg dyke.

138.55	176.35	Fg&-aR^g-n									100	0	Shp
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FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

Mixed unit of salmon-pink mg - cg granite enclosing/digesting foliated graphitic paragneiss. Composition of granite is variable from granite - diorite composition. Some epidote altn of the plag and minor cg garnet locally. Paragneiss contains up to 15% graphite. 50cm core loss between 141 - 144m.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
138.55	140.20	lcg	7	ds							1	
140.00	140.35	g	10	cg							1	
143.38	145.20	lcg	5	ds							1	
147.80	150.40	lcg	5	ds							1	
150.40	152.00	lcg	15	ds							1	
161.00	162.15	lcg	15	ir							1	
162.50	163.50	lcg	4	ds							1	
170.75	172.70	lcg	4	ds							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
138.55	140.20	spy	1.00	ds					
143.38	145.20	spo	0.50	ds					
147.80	148.60	spo	3.00	ds					
147.80	150.40	spo	0.50	ds					
150.40	152.00	spy	1.00	ds					
150.40	152.00	spo	1.00	ds					
161.00	162.15	spy	0.50	ds					
162.50	163.50	spy	2.00	ds					
170.75	172.70	spy	1.00	ds					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
170.75	172.70	fn		3	45				sf raft of graphitic paragneiss in granite.

176.35 191.30 Fg 100 0 Gr

Equigranular 2 feldspar granite with localised porphyritic zones. Locally granophyric texture. Epidote alteration of plag common.

191.30 200.55 Fg&-aR^g-n 100 0 Gr

Mixed interval of granite and graphite bearing paragneiss on decimeter to meter scale. Trace spo locally. 5mm bleb of scp at 192.2m.

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

200.55 205.60 Fg 100 0

uniform, undeformed salmon-pink granite with local granophyric textures. Lower contact sharp and shows contact metamorphic effects. Within 1m of bottom of interval are two thin <1cm dyklets of diabase.

205.60 206.80 -kMd 100 0

melanocratic gabbroic intrusive. Chilled contacts fg-mg, equgranular. Likely to be related to the overlying sill complex.

206.80 210.90 Fg 100 0

medium grained, salmon pink, similar to unit at 200.55 to 205.6, narrow dyke (2 cm) at 208.35

210.90 215.50 -kMd 100 0 Ch 50

dark grey to black diabase dyke, fine grained margins to med grain central portions, sharp upper and lower contacts,

215.50 216.00 Fg 100 0 Shp 50

similar to previous unit of the same

Assay Results for: QPD01001

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00001	2.80	4.00			DSPLT	1221.00	6.00	7.00	4.00	581.00	130.00	128.00
CQ00002	4.00	5.00			DSPLT	615.00	3.00	-5.00	2.00	330.00	101.00	74.00
CQ00003	5.00	6.00			DSPLT	600.00	2.00	-5.00	2.00	267.00	83.00	65.00
CQ00004	6.00	7.00			DSPLT	1576.00	5.00	-5.00	5.00	594.00	108.00	72.00
CQ00005	7.00	8.00			DSPLT	1883.00	7.00	6.00	6.00	761.00	112.00	75.00
CQ00006	8.00	9.00			DSPLT	2160.00	5.00	7.00	4.00	966.00	122.00	96.00
CQ00007	9.00	9.50			DSPLT	2796.00	5.00	7.00	8.00	892.00	119.00	87.00
CQ00008	9.50	10.30			DSPLT	97.00	-1.00	-5.00	-1.00	40.00	29.00	47.00
CQ00009	10.30	11.40			DSPLT	2090.00	12.00	9.00	8.00	1237.00	81.00	81.00
CQ00010	11.40	12.45			DSPLT	131.00	-1.00	-5.00	-1.00	32.00	91.00	74.00
CQ00011	24.00	24.80			DSPLT	102.00	2.00	-5.00	-1.00	52.00	48.00	66.00
CQ00012	24.80	25.80			DSPLT	542.00	5.00	-5.00	2.00	226.00	63.00	78.00
CQ00013	25.80	26.80			DSPLT	849.00	8.00	-5.00	3.00	531.00	62.00	68.00
CQ00014	26.80	27.25			DSPLT	1632.00	25.00	10.00	5.00	907.00	107.00	83.00
CQ00015	27.25	27.65			DSPLT	1308.00	10.00	6.00	3.00	630.00	96.00	99.00
CQ00016	27.65	28.65			DSPLT	986.00	9.00	5.00	3.00	391.00	75.00	70.00
CQ00017	28.65	29.60			DSPLT	442.00	5.00	-5.00	2.00	191.00	52.00	60.00
CQ00018	29.60	30.60			DSPLT	1878.00	15.00	5.00	10.00	862.00	88.00	93.00
CQ00019	30.60	31.50			DSPLT	846.00	6.00	-5.00	5.00	368.00	56.00	59.00
CQ00020	31.50	32.15			DSPLT	585.00	5.00	-5.00	2.00	318.00	55.00	62.00
CQ00021	31.50	32.15	SD	CQ00020	DSPLT	1356.00	16.00	-5.00	6.00	653.00	83.00	75.00
CQ00022	31.50	32.15	R	CQ00020	DSPLT	591.00	5.00	-5.00	5.00	329.00	56.00	63.00
CQ00023	32.15	32.60			DSPLT	636.00	5.00	-5.00	3.00	295.00	60.00	71.00
CQ00024	32.60	33.00			DSPLT	3739.00	14.00	13.00	9.00	1470.00	168.00	111.00
CQ00025	0.00	0.00	QS	LN1	STAND	15803.00	145.00	61.00	44.00	816.00	286.00	139.00
CQ00026	33.00	34.00			DSPLT	955.00	6.00	-5.00	3.00	435.00	73.00	71.00
CQ00027	34.00	34.65			DSPLT	774.00	5.00	5.00	3.00	405.00	64.00	62.00
CQ00028	34.65	35.50			DSPLT	289.00	2.00	-5.00	-1.00	130.00	44.00	51.00
CQ00029	35.50	36.50			DSPLT	524.00	5.00	-5.00	3.00	188.00	53.00	56.00
CQ00030	36.50	37.15			DSPLT	521.00	5.00	-5.00	3.00	258.00	55.00	58.00
CQ00031	37.15	38.00			DSPLT	251.00	2.00	-5.00	2.00	105.00	41.00	42.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00032	38.00	39.00			DSPLT	64.00	1.00	-5.00	-1.00	16.00	33.00	49.00
CQ00033	39.00	39.90			DSPLT	241.00	2.00	-5.00	-1.00	115.00	51.00	87.00
CQ00034	39.90	40.90			DSPLT	813.00	5.00	-5.00	2.00	360.00	64.00	80.00
CQ00035	40.90	41.45			DSPLT	188.00	2.00	-5.00	1.00	84.00	45.00	60.00
CQ00036	41.45	41.70			DSPLT	748.00	6.00	-5.00	2.00	329.00	67.00	72.00
CQ00037	41.70	42.20			DSPLT	105.00	-1.00	-5.00	1.00	36.00	35.00	49.00
CQ00038	51.00	51.55			DSPLT	128.00	-1.00	-5.00	-1.00	45.00	37.00	50.00
CQ00039	51.55	52.40			DSPLT	1127.00	3.00	-5.00	2.00	620.00	71.00	72.00
CQ00040	52.40	53.40			DSPLT	134.00	-1.00	-5.00	-1.00	53.00	41.00	65.00
CQ00041	52.40	53.40	SD	CQ00040	DSPLT	115.00	-1.00	-5.00	1.00	41.00	42.00	62.00
CQ00042	52.40	53.40	R	CQ00040	DSPLT	133.00	2.00	-5.00	2.00	53.00	42.00	67.00
CQ00043	53.40	54.40			DSPLT	215.00	2.00	6.00	3.00	84.00	44.00	61.00
CQ00044	54.40	55.40			DSPLT	144.00	2.00	-5.00	1.00	56.00	46.00	65.00
CQ00045	55.40	56.00			DSPLT	142.00	1.00	-5.00	3.00	65.00	44.00	62.00
CQ00046	56.00	56.60			DSPLT	268.00	2.00	-5.00	2.00	108.00	47.00	61.00
CQ00047	56.60	57.30			DSPLT	1639.00	11.00	-5.00	5.00	990.00	159.00	75.00
CQ00048	57.30	58.13			DSPLT	555.00	6.00	-5.00	3.00	337.00	79.00	61.00
CQ00049	58.13	59.05			DSPLT	587.00	8.00	5.00	3.00	432.00	82.00	57.00
CQ00050	0.00	0.00	QS	LN1	STAND	15360.00	163.00	75.00	44.00	783.00	278.00	136.00
CQ00051	59.05	60.10			DSPLT	457.00	5.00	-5.00	2.00	356.00	97.00	83.00
CQ00052	60.10	61.20			DSPLT	232.00	9.00	-5.00	3.00	211.00	87.00	66.00
CQ00053	61.20	62.20			DSPLT	121.00	2.00	-5.00	2.00	105.00	55.00	73.00
CQ00054	62.20	63.20			DSPLT	112.00	1.00	-5.00	1.00	65.00	48.00	66.00
CQ00055	63.20	64.20			DSPLT	130.00	1.00	-5.00	2.00	79.00	44.00	63.00
CQ00056	64.20	65.20			DSPLT	267.00	3.00	-5.00	2.00	137.00	46.00	65.00
CQ00057	65.20	66.20			DSPLT	458.00	3.00	-5.00	2.00	251.00	69.00	74.00
CQ00058	66.20	67.15			DSPLT	211.00	5.00	-5.00	2.00	168.00	64.00	65.00
CQ00059	67.15	67.70			DSPLT	434.00	10.00	-5.00	2.00	335.00	101.00	80.00
CQ00060	67.70	68.70			DSPLT	184.00	4.00	-5.00	1.00	142.00	62.00	53.00
CQ00061	67.70	68.70	SD	CQ00060	DSPLT	170.00	3.00	-5.00	2.00	128.00	55.00	51.00
CQ00062	67.70	68.70	R	CQ00060	DSPLT	180.00	4.00	-5.00	3.00	140.00	61.00	54.00
CQ00063	68.70	69.60			DSPLT	163.00	9.00	7.00	1.00	204.00	90.00	70.00
CQ00064	69.60	69.80			DSPLT	102.00	10.00	5.00	2.00	99.00	62.00	23.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00065	69.80	70.80			DSPLT	106.00	10.00	-5.00	2.00	125.00	63.00	40.00
CQ00066	70.80	71.80			DSPLT	141.00	10.00	-5.00	2.00	199.00	74.00	116.00
CQ00067	71.80	72.80			DSPLT	222.00	5.00	8.00	2.00	207.00	93.00	89.00
CQ00068	72.80	73.70			DSPLT	201.00	6.00	-5.00	2.00	196.00	80.00	122.00
CQ00069	73.70	74.70			DSPLT	98.00	-1.00	-5.00	1.00	72.00	64.00	92.00
CQ00070	74.70	75.00			DSPLT	128.00	1.00	-5.00	2.00	108.00	56.00	79.00
CQ00071	75.00	76.00			DSPLT	562.00	3.00	-5.00	3.00	421.00	120.00	109.00
CQ00072	76.00	77.00			DSPLT	217.00	1.00	-5.00	1.00	148.00	84.00	101.00
CQ00073	77.00	78.00			DSPLT	266.00	1.00	7.00	1.00	123.00	60.00	63.00
CQ00074	78.00	79.00			DSPLT	527.00	6.00	6.00	2.00	362.00	146.00	83.00
CQ00075	0.00	0.00	QS	LN1	STAND	13438.00	162.00	73.00	44.00	676.00	312.00	123.00
CQ00076	79.00	79.75			DSPLT	250.00	6.00	6.00	2.00	201.00	110.00	67.00
CQ00077	79.75	80.25			DSPLT	6.00	-1.00	-5.00	2.00	9.00	14.00	27.00
CQ00078	80.25	80.78			DSPLT	90.00	1.00	-5.00	1.00	50.00	91.00	105.00
CQ00079	80.78	81.70			DSPLT	127.00	1.00	-5.00	-1.00	113.00	86.00	115.00
CQ00080	81.70	82.00			DSPLT	25.00	-1.00	-5.00	2.00	11.00	68.00	83.00
CQ00081	81.70	82.00	SD	CQ00080	DSPLT	62.00	1.00	-5.00	2.00	40.00	86.00	81.00
CQ00082	81.70	82.00	R	CQ00080	DSPLT	28.00	-1.00	-5.00	-1.00	11.00	70.00	86.00
CQ00083	82.00	82.65			DSPLT	205.00	4.00	-5.00	2.00	141.00	113.00	79.00
CQ00084	82.65	83.40			DSPLT	54.00	2.00	-5.00	2.00	33.00	65.00	76.00
CQ00085	83.40	84.50			DSPLT	284.00	5.00	-5.00	2.00	325.00	167.00	158.00
CQ00086	84.50	85.50			DSPLT	166.00	3.00	-5.00	2.00	186.00	87.00	102.00
CQ00087	85.50	86.52			DSPLT	115.00	2.00	-5.00	2.00	124.00	77.00	93.00
CQ00088	86.52	86.90			DSPLT	199.00	7.00	7.00	2.00	193.00	83.00	245.00
CQ00089	86.90	87.83			DSPLT	115.00	1.00	-5.00	2.00	110.00	79.00	86.00
CQ00090	87.83	88.50			DSPLT	114.00	1.00	-5.00	2.00	197.00	84.00	82.00
CQ00091	88.50	89.00			DSPLT	198.00	2.00	-5.00	2.00	190.00	109.00	90.00
CQ00092	89.00	89.56			DSPLT	36.00	2.00	-5.00	1.00	29.00	44.00	69.00
CQ00093	89.56	90.55			DSPLT	17.00	1.00	-5.00	2.00	16.00	45.00	64.00
CQ00094	90.55	91.67			DSPLT	29.00	-1.00	-5.00	2.00	31.00	60.00	86.00
CQ00095	91.67	92.15			DSPLT	20.00	1.00	-5.00	-1.00	18.00	39.00	74.00
CQ00096	92.15	93.00			DSPLT	15.00	-1.00	-5.00	1.00	18.00	41.00	77.00
CQ00097	93.00	94.00			DSPLT	19.00	-1.00	-5.00	2.00	19.00	48.00	84.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00098	94.00	95.00			DSPLT	12.00	-1.00	-5.00	1.00	12.00	46.00	82.00
CQ00099	95.00	96.00			DSPLT	16.00	-1.00	-5.00	-1.00	14.00	49.00	84.00
CQ00100	96.00	97.00			DSPLT	16.00	-1.00	-5.00	2.00	11.00	47.00	77.00
CQ00101	96.00	97.00	SD	CQ00100	DSPLT	15.00	-1.00	-5.00	1.00	11.00	47.00	75.00
CQ00102	96.00	97.00	R	CQ00100	DSPLT	13.00	-1.00	-5.00	1.00	9.00	41.00	66.00
CQ00103	97.00	98.10			DSPLT	17.00	-1.00	-5.00	-1.00	17.00	53.00	85.00
CQ00104	98.10	99.00			DSPLT	79.00	1.00	-5.00	1.00	83.00	75.00	101.00
CQ00105	99.00	100.00			DSPLT	34.00	-1.00	-5.00	-1.00	23.00	57.00	86.00
CQ00106	100.00	101.27			DSPLT	37.00	-1.00	-5.00	1.00	17.00	58.00	86.00
CQ00107	101.27	102.00			DSPLT	54.00	-1.00	-5.00	1.00	14.00	54.00	87.00
CQ00108	102.00	103.00			DSPLT	106.00	-1.00	-5.00	1.00	24.00	58.00	86.00
CQ00109	103.00	104.00			DSPLT	73.00	-1.00	-5.00	1.00	11.00	54.00	82.00
CQ00110	104.00	104.50			DSPLT	82.00	-1.00	-5.00	1.00	18.00	52.00	90.00
CQ00111	104.50	105.00			DSPLT	125.00	-1.00	-5.00	-1.00	55.00	62.00	110.00
CQ00112	105.00	105.85			DSPLT	129.00	1.00	-5.00	-1.00	78.00	68.00	70.00
CQ00113	105.85	107.00			DSPLT	32.00	1.00	-5.00	2.00	23.00	30.00	97.00
CQ00114	107.00	108.00			DSPLT	21.00	2.00	-5.00	-1.00	28.00	63.00	124.00
CQ00115	108.00	109.00			DSPLT	23.00	-1.00	-5.00	1.00	31.00	63.00	112.00
CQ00116	109.00	110.00			DSPLT	44.00	3.00	-5.00	-1.00	45.00	66.00	101.00
CQ00117	110.00	111.00			DSPLT	11.00	-1.00	-5.00	2.00	19.00	62.00	102.00
CQ00118	111.00	111.91			DSPLT	13.00	-1.00	-5.00	2.00	26.00	63.00	111.00
CQ00119	111.91	112.35			DSPLT	27.00	1.00	-5.00	-1.00	46.00	62.00	91.00
CQ00120	112.35	112.95			DSPLT	125.00	7.00	8.00	2.00	130.00	66.00	1120.00
CQ00121	112.35	112.95	SD	CQ00120	DSPLT	133.00	7.00	8.00	3.00	159.00	65.00	3361.00
CQ00122	112.35	112.95	R	CQ00120	DSPLT	134.00	7.00	6.00	1.00	135.00	70.00	1167.00
CQ00123	112.95	113.80			DSPLT	34.00	2.00	-5.00	1.00	36.00	37.00	88.00
CQ00124	113.80	114.12			DSPLT	60.00	-1.00	-5.00	1.00	16.00	35.00	81.00
CQ00125	0.00	0.00	QS	LN1	STAND	14892.00	178.00	79.00	50.00	792.00	292.00	137.00
CQ00126	114.12	114.72			DSPLT	38.00	-1.00	-5.00	2.00	46.00	38.00	83.00
CQ00127	114.72	115.50			DSPLT	36.00	-1.00	-5.00	2.00	46.00	38.00	83.00
CQ00128	115.50	116.50			DSPLT	90.00	-1.00	-5.00	1.00	70.00	43.00	57.00
CQ00129	116.50	117.43			DSPLT	15.00	-1.00	-5.00	2.00	15.00	26.00	73.00

DOWN HOLE SURVEY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>AZIMUTH</i>	<i>DIP</i>	<i>TYPE</i>
QPD01001	0.00	272.00	-60.00	DM
QPD01001	3.00	272.07	-60.00	MB
QPD01001	6.00	272.15	-60.09	MB
QPD01001	9.00	272.36	-60.17	MB
QPD01001	12.00	272.50	-60.25	MB
QPD01001	15.00	272.67	-60.32	MB
QPD01001	18.00	272.75	-60.38	MB
QPD01001	21.00	272.88	-60.43	MB
QPD01001	24.00	273.04	-60.47	MB
QPD01001	27.00	273.12	-60.48	MB
QPD01001	30.00	273.27	-60.51	MB
QPD01001	33.00	273.40	-60.56	MB
QPD01001	36.00	273.42	-60.60	MB
QPD01001	39.00	273.45	-60.65	MB
QPD01001	42.00	273.56	-60.69	MB
QPD01001	45.00	273.59	-60.73	MB
QPD01001	48.00	273.72	-60.78	MB
QPD01001	51.00	273.80	-60.85	MB
QPD01001	54.00	273.85	-60.88	MB
QPD01001	57.00	273.86	-60.93	MB
QPD01001	60.00	273.97	-60.97	MB
QPD01001	63.00	274.02	-61.02	MB
QPD01001	66.00	273.94	-61.10	MB
QPD01001	69.00	274.05	-61.14	MB
QPD01001	72.00	274.16	-61.19	MB
QPD01001	75.00	274.29	-61.25	MB
QPD01001	78.00	274.43	-61.27	MB
QPD01001	81.00	274.57	-61.30	MB
QPD01001	84.00	274.70	-61.33	MB
QPD01001	87.00	274.80	-61.35	MB
QPD01001	90.00	275.05	-61.36	MB
QPD01001	93.00	275.22	-61.35	MB
QPD01001	96.00	275.40	-61.33	MB
QPD01001	99.00	275.57	-61.37	MB
QPD01001	102.00	275.81	-61.32	MB
QPD01001	105.00	275.97	-61.28	MB
QPD01001	108.00	276.19	-61.25	MB
QPD01001	111.00	276.39	-61.18	MB
QPD01001	114.00	276.54	-61.12	MB
QPD01001	117.00	276.75	-61.07	MB
QPD01001	120.00	276.84	-61.06	MB
QPD01001	123.00	277.11	-61.03	MB
QPD01001	126.00	277.28	-61.00	MB
QPD01001	129.00	277.45	-60.98	MB
QPD01001	132.00	277.56	-60.97	MB
QPD01001	135.00	277.68	-60.97	MB
QPD01001	138.00	277.71	-60.95	MB
QPD01001	141.00	277.77	-61.01	MB

QPD01001	144.00	277.80	-61.04	MB
QPD01001	147.00	277.85	-61.06	MB
QPD01001	150.00	277.91	-61.10	MB
QPD01001	153.00	278.01	-61.13	MB
QPD01001	156.00	278.04	-61.13	MB
QPD01001	159.00	278.12	-61.16	MB
QPD01001	162.00	278.19	-61.15	MB
QPD01001	165.00	278.20	-61.17	MB
QPD01001	168.00	278.27	-61.18	MB
QPD01001	171.00	278.36	-61.18	MB
QPD01001	174.00	278.36	-61.19	MB
QPD01001	177.00	278.51	-61.18	MB
QPD01001	180.00	278.64	-61.14	MB
QPD01001	183.00	278.68	-61.13	MB
QPD01001	186.00	278.81	-61.08	MB
QPD01001	189.00	278.87	-61.05	MB
QPD01001	192.00	278.91	-61.02	MB
QPD01001	195.00	279.03	-60.96	MB
QPD01001	198.00	279.13	-60.91	MB
QPD01001	204.00	279.18	-60.81	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01001	3.00	1200.00
QPD01001	4.00	535.00
QPD01001	5.00	1360.00
QPD01001	6.00	665.00
QPD01001	7.00	1210.00
QPD01001	8.00	1200.00
QPD01001	9.00	1205.00
QPD01001	10.00	130.00
QPD01001	11.00	1600.00
QPD01001	12.00	60.00
QPD01001	13.00	10.00
QPD01001	14.00	280.00
QPD01001	15.00	360.00
QPD01001	16.00	442.00
QPD01001	17.00	450.00
QPD01001	18.00	770.00
QPD01001	19.00	655.00
QPD01001	20.00	542.00
QPD01001	21.00	695.00
QPD01001	22.00	417.00
QPD01001	23.00	92.00
QPD01001	24.00	72.00
QPD01001	25.00	387.00
QPD01001	26.00	1474.00
QPD01001	27.00	1685.00
QPD01001	28.00	1340.00
QPD01001	29.00	1274.00
QPD01001	30.00	510.00
QPD01001	31.00	778.00
QPD01001	32.00	445.00
QPD01001	33.00	3100.00
QPD01001	34.00	535.00
QPD01001	35.00	1000.00
QPD01001	36.00	705.00
QPD01001	37.00	275.00
QPD01001	38.00	112.00
QPD01001	39.00	465.00
QPD01001	40.00	295.00
QPD01001	41.00	585.00
QPD01001	42.00	166.00
QPD01001	43.00	840.00
QPD01001	44.00	375.00
QPD01001	45.00	60.00
QPD01001	46.00	315.00
QPD01001	47.00	370.00
QPD01001	48.00	420.00
QPD01001	49.00	775.00
QPD01001	50.00	390.00

QPD01001	51.00	40.00
QPD01001	52.00	64.00
QPD01001	53.00	75.00
QPD01001	54.00	310.00
QPD01001	55.00	490.00
QPD01001	56.00	780.00
QPD01001	57.00	1524.00
QPD01001	58.00	435.00
QPD01001	59.00	827.00
QPD01001	60.00	1439.00
QPD01001	61.00	115.00
QPD01001	62.00	365.00
QPD01001	63.00	680.00
QPD01001	64.00	465.00
QPD01001	65.00	224.00
QPD01001	66.00	505.00
QPD01001	67.00	1220.00
QPD01001	68.00	333.00
QPD01001	69.00	580.00
QPD01001	70.00	342.00
QPD01001	71.00	1350.00
QPD01001	72.00	775.00
QPD01001	73.00	1520.00
QPD01001	74.00	129.00
QPD01001	75.00	3920.00
QPD01001	76.00	1110.00
QPD01001	77.00	348.00
QPD01001	77.00	1355.00
QPD01001	79.00	1115.00
QPD01001	80.00	48.00
QPD01001	81.00	620.00
QPD01001	82.00	1375.00
QPD01001	83.00	680.00
QPD01001	84.00	2344.00
QPD01001	85.00	1685.00
QPD01001	86.00	1112.00
QPD01001	87.00	2838.00
QPD01001	88.00	1110.00
QPD01001	89.00	480.00
QPD01001	90.00	275.00
QPD01001	91.00	1060.00
QPD01001	92.00	140.00
QPD01001	93.00	165.00
QPD01001	94.00	41.00
QPD01001	95.00	71.00
QPD01001	96.00	56.00
QPD01001	97.00	140.00
QPD01001	98.00	170.00
QPD01001	99.00	300.00
QPD01001	100.00	312.00
QPD01001	101.00	205.00
QPD01001	102.00	225.00

QPD01001	103.00	850.00
QPD01001	104.00	280.00
QPD01001	105.00	65.00
QPD01001	106.00	6.00
QPD01001	107.00	22.00
QPD01001	108.00	33.00
QPD01001	109.00	28.00
QPD01001	110.00	175.00
QPD01001	111.00	70.00
QPD01001	112.00	100.00
QPD01001	113.00	761.00
QPD01001	114.00	82.00
QPD01001	115.00	96.00
QPD01001	116.00	66.00
QPD01001	117.00	105.00
QPD01001	118.00	90.00
QPD01001	119.00	414.00
QPD01001	120.00	41.00
QPD01001	121.00	40.00
QPD01001	122.00	95.00
QPD01001	123.00	16.00
QPD01001	124.00	80.00
QPD01001	125.00	32.00
QPD01001	126.00	350.00
QPD01001	127.00	660.00
QPD01001	128.00	48.00
QPD01001	129.00	28.00
QPD01001	130.00	53.00
QPD01001	131.00	536.00
QPD01001	132.00	460.00
QPD01001	133.00	470.00
QPD01001	134.00	30.00
QPD01001	135.00	995.00
QPD01001	136.00	400.00
QPD01001	137.00	666.00
QPD01001	138.00	325.00
QPD01001	139.00	355.00
QPD01001	140.00	100.00
QPD01001	141.00	80.00
QPD01001	142.00	94.00
QPD01001	143.00	0.00
QPD01001	144.00	270.00
QPD01001	145.00	540.00
QPD01001	146.00	17.00
QPD01001	147.00	460.00
QPD01001	148.00	1400.00
QPD01001	149.00	190.00
QPD01001	150.00	22.00
QPD01001	151.00	138.00
QPD01001	152.00	37.00
QPD01001	153.00	55.00
QPD01001	154.00	2.00

QPD01001	155.00	133.00
QPD01001	156.00	16.00
QPD01001	157.00	0.00
QPD01001	158.00	0.00
QPD01001	159.00	0.00
QPD01001	160.00	140.00
QPD01001	161.00	30.00
QPD01001	162.00	620.00
QPD01001	163.00	25.00
QPD01001	164.00	30.00
QPD01001	165.00	2.00
QPD01001	166.00	0.00
QPD01001	167.00	2.00
QPD01001	168.00	375.00
QPD01001	169.00	210.00
QPD01001	170.00	500.00
QPD01001	171.00	85.00
QPD01001	172.00	82.00
QPD01001	173.00	0.00
QPD01001	174.00	20.00
QPD01001	175.00	40.00
QPD01001	176.00	15.00
QPD01001	177.00	0.00
QPD01001	178.00	0.00
QPD01001	179.00	6.00
QPD01001	180.00	2.00
QPD01001	181.00	0.00
QPD01001	182.00	0.00
QPD01001	183.00	0.00
QPD01001	184.00	8.00
QPD01001	185.00	0.00
QPD01001	186.00	0.00
QPD01001	187.00	0.00
QPD01001	188.00	0.00
QPD01001	189.00	0.00
QPD01001	190.00	0.00
QPD01001	191.00	0.00
QPD01001	192.00	65.00
QPD01001	193.00	45.00
QPD01001	194.00	25.00
QPD01001	195.00	50.00
QPD01001	196.00	0.00
QPD01001	197.00	0.00
QPD01001	198.00	0.00
QPD01001	199.00	0.00
QPD01001	200.00	0.00
QPD01001	201.00	0.00
QPD01001	202.00	0.00
QPD01001	203.00	0.00
QPD01001	204.00	0.00
QPD01001	205.00	0.00
QPD01001	206.00	1050.00

QPD01001	207.00	0.00
QPD01001	208.00	0.00
QPD01001	209.00	0.00
QPD01001	210.00	0.00
QPD01001	211.00	1035.00
QPD01001	212.00	2380.00
QPD01001	213.00	1630.00
QPD01001	214.00	3680.00
QPD01001	215.00	1080.00
QPD01001	216.00	1.00

RQD

<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>WIDTH</i>	<i>RQD (m)</i>	<i>RQD (%)</i>	<i>NOTES</i>
QPD01001	3.00	6.00	0.00	0.00	0.88	
QPD01001	6.00	9.00	0.00	0.00	0.89	
QPD01001	9.00	12.00	0.00	0.00	0.95	
QPD01001	12.00	15.00	0.00	0.00	0.95	
QPD01001	15.00	18.00	0.00	0.00	0.95	
QPD01001	18.00	21.00	0.00	0.00	1.00	
QPD01001	21.00	24.00	0.00	0.00	0.95	
QPD01001	24.00	27.00	0.00	0.00	0.92	
QPD01001	27.00	30.00	0.00	0.00	1.00	
QPD01001	30.00	33.00	0.00	0.00	1.00	
QPD01001	33.00	36.00	0.00	0.00	0.95	
QPD01001	36.00	39.00	0.00	0.00	0.93	
QPD01001	39.00	42.00	0.00	0.00	1.00	
QPD01001	42.00	45.00	0.00	0.00	0.99	
QPD01001	45.00	48.00	0.00	0.00	0.95	
QPD01001	48.00	51.00	0.00	0.00	0.95	
QPD01001	51.00	54.00	0.00	0.00	0.96	
QPD01001	54.00	57.00	0.00	0.00	0.92	
QPD01001	57.00	60.00	0.00	0.00	0.99	
QPD01001	60.00	63.00	0.00	0.00	0.98	
QPD01001	63.00	66.00	0.00	0.00	0.92	
QPD01001	66.00	69.00	0.00	0.00	0.93	
QPD01001	69.00	72.00	0.00	0.00	0.91	
QPD01001	72.00	75.00	0.00	0.00	0.99	
QPD01001	75.00	78.00	0.00	0.00	1.00	
QPD01001	78.00	81.00	0.00	0.00	0.93	
QPD01001	81.00	84.00	0.00	0.00	0.97	
QPD01001	84.00	87.00	0.00	0.00	0.98	
QPD01001	87.00	90.00	0.00	0.00	0.96	
QPD01001	90.00	93.00	0.00	0.00	0.95	
QPD01001	93.00	96.00	0.00	0.00	0.90	
QPD01001	96.00	99.00	0.00	0.00	0.99	
QPD01001	99.00	102.00	0.00	0.00	0.98	
QPD01001	102.00	105.00	0.00	0.00	0.96	
QPD01001	105.00	108.00	0.00	0.00	0.98	
QPD01001	108.00	111.00	0.00	0.00	1.00	
QPD01001	111.00	114.00	0.00	0.00	0.90	
QPD01001	114.00	117.00	0.00	0.00	0.58	
QPD01001	117.00	120.00	0.00	0.00	0.83	

QPD01001	120.00	123.00	0.00	0.00	0.83
QPD01001	123.00	126.00	0.00	0.00	0.98
QPD01001	126.00	129.00	0.00	0.00	0.93
QPD01001	129.00	132.00	0.00	0.00	0.88
QPD01001	132.00	135.00	0.00	0.00	0.94
QPD01001	135.00	138.00	0.00	0.00	0.90
QPD01001	138.00	141.00	0.00	0.00	0.94
QPD01001	141.00	144.00	0.00	0.00	0.70
QPD01001	144.00	147.00	0.00	0.00	0.95
QPD01001	147.00	150.00	0.00	0.00	0.94
QPD01001	150.00	153.00	0.00	0.00	0.99
QPD01001	153.00	156.00	0.00	0.00	0.96
QPD01001	156.00	159.00	0.00	0.00	0.96
QPD01001	159.00	162.00	0.00	0.00	1.00
QPD01001	162.00	165.00	0.00	0.00	0.99
QPD01001	165.00	168.00	0.00	0.00	1.00
QPD01001	168.00	171.00	0.00	0.00	0.98
QPD01001	171.00	174.00	0.00	0.00	1.00
QPD01001	174.00	177.00	0.00	0.00	0.98
QPD01001	177.00	180.00	0.00	0.00	0.87
QPD01001	180.00	183.00	0.00	0.00	0.93
QPD01001	183.00	186.00	0.00	0.00	1.00
QPD01001	186.00	189.00	0.00	0.00	0.97
QPD01001	189.00	192.00	0.00	0.00	0.98
QPD01001	192.00	195.00	0.00	0.00	0.99
QPD01001	195.00	198.00	0.00	0.00	0.95
QPD01001	198.00	201.00	0.00	0.00	0.90
QPD01001	201.00	204.00	0.00	0.00	0.95
QPD01001	204.00	207.00	0.00	0.00	0.96
QPD01001	207.00	210.00	0.00	0.00	0.90
QPD01001	210.00	213.00	0.00	0.00	0.90
QPD01001	213.00	216.00	0.00	0.00	0.99

DRILL LOG QPD01002

ZONE:	PAPAVOINE	EASTING UTM:	652110.18	DDH STARTED:	4/18/01
SITE:	LAND	NORTHING UTM:	6330393.45	DDH FINISHED:	4/20/01
ORIENTATED:	Yes	ELEVATION (m):	370.01	GEOLOGIST 1:	JIM MCKINNON-MATTHEWS
GEOTECH:	Yes	BEARING:	90	GEOLOGIST 2:	JOHN EVEREST
CASING (m):	2.00	DIP:	-61.00	LOG COMPLETED:	4/22/01
		LENGTH (m):	213.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

QPD01002 was drilled to test a weak-moderate surface EM conductor (200 seimen/metre) down dip from Ni/Cu mineralisation which was identified in outcrop during 2000. The hole was collared in homogeneous Troctolite, which continued unabated until the lower contact of the sill was approached. In the final 27 m of the sill (from 86.55 m to 113.7 m) the rock type alternated from Olivine Norite to a serpentinitic intrusive ultramafic rock. Footwall rock, consisting of hornfels gneiss, was intersected from 113.7 to 139.75 m. From 139.75 m until the bottom of the hole at 213 m, the rock consisted essentially of biotite/graphite/garnet bearing paragneiss, granitic gneiss, and granite.

First mineralization was identified at 86.55 m to 95.60 (0.5% pyrrhotite). Significant mineralization (0.5 to 6 % sulfide - dominantly pyrrhotite) was identified in mafic igneous rock and hornfels gneiss from 101.95 until 118.83 m. A zone of massive and semi-massive sulfide (30 to 70% - dominantly pyrrhotite with lesser chalcopyrite and pentlandite) occurred at 118.83 to 119.58 m. The footwall hornfels gneiss beneath this zone proved particularly interesting. 0.5% to 5% blebby and disseminated sulfides (dominantly consisting of pentlandite!!! and chalcopyrite) was intersected in this zone to 139.75 m. These pentlandite grains were disseminated to blebby (up to 2 cm) and were strongly associated with chalcopyrite.

Downhole EM conducted on this hole identified a weak to moderate inhole EM response from the massive to matrix sulphide zone. This response adequately explains the surface EM conductor. No significant offhole conductor was detected.

DRILL LOG: QPD01002

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

0.00	2.00		UG	100					0										
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2.00	86.55		Mtr	100					0										
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medium grained, uniform and generally massive, plagioclase and olivine with minor biotite, olivine:plagioclase = 40:60, weak flow banding lineation locally, grains are anhedral and granular, unit is fractured locally - fractures are infilled with quartz - chloritic alteration extends outwards from the fractures on a cm scale - mag susceptibility in these zones is low due to replacement of magnetite by chlorite ?? very fine grain trace (.05%) sulfides disseminated throughout, orthopyroxene content of unit increases towards the lower contact (within the last meter), lower contact sharp at pegmatitic unit

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
2.00	84.50	eq			1	
2.00	84.50	ym			1	

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
53.36	55.34	fs	2	80				silica-chlorite fractures
57.08	57.70	fs	2	80				silica-chlorite fractures
69.84	72.93	fs	2	80				silica-chlorite fractures

86.55	95.60		Mno	100					0										
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Variably textured mg-cg olivine gabbro norite, with narrow intervals of troctolite. Opx? is generally very cg. This unit becomes strongly altered from 92.4m to base of interval where it has a gradational contact with leucratic zone. alteration minerals are serpentine chlorite and carbonate. Minor spo +/- scp within this interval becoming more common near base of interval. Alteration minerals are associated with narrow fractures throughout unit.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
86.55	95.60	sg			1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
86.55	95.60	spo	0.50	ds				

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
86.55	95.60	fs	2	85				serp and chlorite zones associated with fractures. Fracture density 1/decimeter to meter scale

95.60	104.00		Mno	100					0										
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As above unit but coarser grained and more leucratic, with occasional thin pegmatitic zone. Texture is still variable and sulphides increase toward base of unit from disseminated to cg blebby. 3 sulphide phases identified spo, scp and spy/spn? Serp and cb? alteration common throughout.

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT						
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
95.60	104.00		md			1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
101.95	104.00	se	0.50	by					
101.95	104.00	scp	0.50	by					
101.95	104.00	spo	2.00	by					

104.00 104.55 Mno 100 0 Shp

fg olivine norite. equigranular. biotite common accessory mineral. fg dissemin suls throughout.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
104.00	104.55		fg			1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
104.00	104.55	spo	0.50	ds					

104.55 107.13 iU 100 0 Shp

mg-cg cumulate textured interval of probably plagioclase bearing peridotite that has been extensively altered to serpentine, talc, carbonate and chlorite? Interstitial sulphides spo-scp-spn to 5% over interval both disseminated and blebby. XRD required.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
104.55	107.13		cm			1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
104.55	107.13	se	0.50	is					
104.55	107.13	scp	0.50	is					
104.55	107.13	spo	4.00	is					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
105.45	106.10	fs		2	80				serpentine talc filled fractures/veinlets.

107.13 108.95 Mno 100 0

cg reasonably equigranular olivine norite. Sulphides blebby and interstitial with probable spn. scp associated with spo, commonly on margins of spo grains. Blebs of sulphides to 1-2cm. Increased serpentinisation towards lower contact.

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
107.13	108.95	se	1.00	is					
107.13	108.95	scp	1.00	is					
107.13	108.95	spo	6.00	is					

108.95 112.43 iU 100 0 Shp

Intensely altered and faulted zone of peridotite? Entirely serp-talc-chlorite altered. Some areas within this interval show relic cumulate texture. Kfeld evident at 109.45 within a cumulate zone suggesting that as peridotite was emplaced it ripped up portions of the footwall. Some of this interval is now clay (fault gouge) indicating that post emplacement deformation has occurred.

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
108.95	112.43	scp	0.50	ds					
108.95	112.43	spo	3.00	by					

<i>STRUCTURE</i>		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>
108.95	112.43	fa		3	75				Fault zone related to contact between base of mafic intrusion and footwall gneiss. High amount of broken clay core.

<i>VEINS</i>		<i>Min</i>	<i>Acc 1</i>	<i>Acc 2</i>	<i>Type 1</i>	<i>Type 2</i>	<i>%</i>	<i>Width</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>
108.95	112.43	t			vs		5.00	0.00					Random talc veins in fault /contact zone

112.43 113.70 iU 100 0 Shp

Altered pyroxenite? laths of amphibole are common in places as is cumulate ex-olivine (now serp and cb and talc). Amphibole is euhedral possibly a recrystallised texture. blebby spo-scp and spy are common in this interval.

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
112.43	113.70	scp	0.50	ds					
112.43	113.70	spy	2.00	by					
112.43	113.70	spo	5.00	by					

<i>STRUCTURE</i>		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>
112.87	112.90	fs		1	70				thin fracture filled vein of talc

113.70 118.83 fnR 100 0 Shp

Hornfelsed footwall q-feld-biotite-chlorite gneiss. This unit is dark grey and contains 5-10% blebby spo-scp over interval. Unit exhibits an intense foliation that has been overprinted by contact metamorphism. Quartz feldspar (granitic) yob is present in this interval and is essentially unmineralised. Breccia zone here also that is consolidated and probably was formed during the emplacement of the mafic intrusion.

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT						
		<i>Ore</i>	<i>Rock type 1</i>		<i>%</i>	<i>Pre</i>	<i>Sufx 1</i>	<i>Sufx 2</i>	<i>Rock type 2</i>		<i>%</i>	<i>Pre</i>	<i>Sufx 1</i>	<i>Sufx 2</i>	<i>Tone</i>	<i>Colour</i>	<i>Type</i>	<i>CA</i>	<i>CA Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>

MINERALOGY	<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>
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115.80	115.90	lsg	15	la						1	
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SULPHIDES	<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
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113.70	115.90	scp	0.50	by				
113.70	115.90	spo	3.00	by				
115.90	117.18	scp	1.00	by				
115.90	117.18	spo	6.00	by				
117.80	118.83	scp	1.00	by				
117.80	118.83	spo	6.00	by				

STRUCTURE	<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>
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113.70	117.18	fn	2	40				foliation overprinted by contact metamorphism
118.14	118.31	bx	3					breccia zone - probably related to mafic intrusion ie footwall breccia.

VEINS	<i>Min</i>	<i>Acc 1</i>	<i>Acc 2</i>	<i>Type 1</i>	<i>Type 2</i>	<i>%</i>	<i>Width</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>
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117.18	117.80	q	p				0.00					yob of footwal quartz and feldspar probably related to granite intrusion(DePas Bath)
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118.83	119.58	\$yc-p	100	0	Shp
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Interval of massive (80-90%) and semi-massive (40-50%) sulphides. spo-scp and se are prevalent. Graphite is present in the semi-massive zone to 10% as fine laminated stringers. upper and lower contacts over the interval are sharp but irregular. Host to mineralisation seems to be a siliceous paragneiss. The chalcopyrite is fine grained and incorporated within the spo or on the margins of spo. Pentlandite? occurs as small grains within the spo.

SULPHIDES	<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
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118.83	119.20	se	5.00	ds				
118.83	119.20	scp	5.00	ds				
118.83	119.20	spo	50.00	\$				
119.20	119.45	se	2.00	ds				
119.20	119.45	scp	3.00	ds				
119.20	119.45	spo	30.00	st				
119.45	119.58	se	5.00	ds				
119.45	119.58	scp	5.00	ds				
119.45	119.58	spo	75.00	\$				

119.58	139.75	fnR	100	0
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FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

mixed unit of contact metamorphosed gneiss and granite, unit contains pentlandite - chalcopyrite - pyrrhotite; pentlandite and chalcopyrite coarse grained (10 % of grains) to finely disseminated throughout unit, unit becomes graphitic towards lower contact (135 to 139.75), texture variable throughout

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
135.00	139.75	lcg	5	ds							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
119.58	122.24	se	0.50	ds					
119.58	122.24	scp	0.50	ds					
119.58	122.24	spo	1.00	ds					
122.24	123.40	se	2.00	by					
122.24	123.40	scp	1.00	by					
122.24	123.40	spo	1.00	by					
123.40	124.18	scp	1.00	by					
123.40	124.18	spo	2.00	by					
123.40	124.18	se	1.00	by					
124.18	126.51	se	0.50	ds					
126.51	127.33	scp	0.50	ds					
126.51	127.33	spo	0.50	ds					
126.51	127.33	se	2.00	ds					
127.33	134.34	se	1.00	ds					
127.33	134.34	scp	0.50	ds					
127.33	134.34	spo	0.50	ds					
134.34	134.78	se	3.00	by					
134.34	134.78	scp	2.00	by					
134.78	139.75	scp	0.50	ds					
134.78	139.75	se	0.50	ds					

139.75	142.70	Fg	100	0	Shp
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mg salmon pink granite that cuts paragneiss. Core broken 140.5 to 141m.

142.70	143.30	Fg&-aR^g	100	0
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Paragneiss intruded and partially digested by granite.

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

143.30	145.80		Fg			100						0							
mg granite as above																			

145.80	149.00		-aR^g			100						0							Shp
Para? gneiss with garnet multiply deformed																			

149.00	150.36		Fg			100						0							
mg Granite as above																			

150.36	154.55		-aR^g-n			100						0							Shp
minor graphite in garnet bearing multiply deformed paragneiss.																			

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
150.36	154.55	lcg	2	ds							1	

154.55	155.70		Fg			100						0							Shp
Granite with inclusions/xenoliths of paragneiss.																			

155.70	166.45		-aR^g-b			100						0							Shp
Graphitic paragneiss, multiply deformed, stripey appearance, highly biotitic,																			

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
155.70	166.45	lcg	3	ds							1	

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
155.70	166.45	fn		2					multiply deformed.
159.55	160.10	fz		3					zone of strongly broken core - minor brecciation

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

166.45	168.85		Fg				100												
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salmon pink coloured granitic unit, medium grained, gradational contacts

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
166.45	168.85		ym			1	

168.85	205.88		Fg&-aR^g-b				100												
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mixed unit of granite and paragneiss, mafic portions of the paragneiss are garnetiferous and locally biotiferous, minor pyrite locally,

205.88	212.30		iaR				100												
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medium to dark green unit of metamorphosed volcanic rock(?) - now amphibolite, medium grain, uniform, patchy - salt and pepper texture, .5 to 1% pyrite throughout, massive, foliated towards the margins,

212.30	213.00		R^gqfj				100												
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pinkish feldspathic (granitic) layers interbanded with more mafic (chlorite- amphibole) bearing layers on cm to dm scale

Assay Results for: QPD01002

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00196	112.00	112.43			DSPLT	1669.00	25.00	10.00	3.00	1080.00	132.00	78.00
CQ00197	112.43	113.00			DSPLT	1866.00	27.00	7.00	4.00	1335.00	141.00	93.00
CQ00198	113.00	113.70			DSPLT	1348.00	16.00	10.00	1.00	1029.00	108.00	101.00
CQ00199	113.70	114.50			DSPLT	1365.00	18.00	9.00	3.00	899.00	127.00	94.00
CQ00200	114.50	115.55			DSPLT	1186.00	17.00	6.00	6.00	843.00	102.00	98.00
CQ00201	114.50	115.55	SD	CQ00200	DSPLT	1118.00	20.00	12.00	3.00	852.00	98.00	90.00
CQ00202	114.50	115.55	R	CQ00200	DSPLT	1204.00	18.00	7.00	6.00	889.00	104.00	100.00
CQ00203	115.55	116.45			DSPLT	1653.00	10.00	-5.00	2.00	1039.00	159.00	509.00
CQ00204	116.45	117.18			DSPLT	481.00	11.00	-5.00	3.00	148.00	41.00	20.00
CQ00205	117.18	117.80			DSPLT	2048.00	26.00	16.00	3.00	1430.00	140.00	1153.00
CQ00206	117.80	118.83			DSPLT	1325.00	13.00	6.00	2.00	866.00	132.00	125.00
CQ00207	118.83	119.20			DSPLT	12273.00	3.00	8.00	4.00	2444.00	1056.00	13005.00
CQ00208	119.20	119.45			DSPLT	7433.00	8.00	17.00	4.00	2894.00	659.00	849.00
CQ00209	119.45	119.58			DSPLT	12655.00	95.00	25.00	5.00	1173.00	1096.00	181.00
CQ00210	119.58	120.52			DSPLT	1040.00	17.00	-5.00	5.00	1021.00	68.00	124.00
CQ00211	120.52	121.48			DSPLT	192.00	4.00	-5.00	-1.00	334.00	54.00	148.00
CQ00212	121.48	122.24			DSPLT	334.00	5.00	-5.00	-1.00	730.00	62.00	173.00
CQ00213	122.24	123.00			DSPLT	1373.00	29.00	15.00	6.00	1707.00	75.00	158.00
CQ00214	123.00	123.40			DSPLT	1529.00	30.00	22.00	6.00	1196.00	77.00	158.00
CQ00215	123.40	124.18			DSPLT	2426.00	50.00	17.00	14.00	2042.00	124.00	144.00
CQ00216	124.18	125.30			DSPLT	328.00	6.00	-5.00	-1.00	308.00	47.00	126.00
CQ00217	125.30	126.00			DSPLT	66.00	1.00	-5.00	-1.00	85.00	38.00	111.00
CQ00218	126.00	126.51			DSPLT	112.00	8.00	-5.00	-1.00	145.00	47.00	107.00
CQ00219	126.51	127.33			DSPLT	380.00	32.00	12.00	4.00	646.00	65.00	131.00
CQ00220	127.33	128.00			DSPLT	235.00	11.00	6.00	2.00	596.00	50.00	106.00
CQ00221	127.33	128.00	SD	CQ00220	DSPLT	329.00	20.00	6.00	2.00	560.00	52.00	113.00
CQ00222	127.33	128.00	R	CQ00220	DSPLT	236.00	11.00	-5.00	2.00	597.00	51.00	109.00
CQ00223	128.00	129.00			DSPLT	109.00	9.00	-5.00	-1.00	298.00	42.00	97.00
CQ00224	129.00	130.00			DSPLT	371.00	9.00	5.00	-1.00	288.00	41.00	119.00
CQ00225	0.00	0.00	QS	LN1	STAND	15412.00	178.00	78.00	48.00	690.00	325.00	133.00
CQ00226	130.00	131.00			DSPLT	247.00	10.00	10.00	-1.00	165.00	37.00	108.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00227	131.00	132.00			DSPLT	231.00	12.00	6.00	2.00	226.00	55.00	147.00
CQ00130	3.00	4.00			DSPLT	10.00	2.00	-5.00	3.00	10.00	17.00	82.00
CQ00131	6.00	7.00			DSPLT	257.00	-1.00	-5.00	1.00	28.00	44.00	61.00
CQ00132	9.00	10.00			DSPLT	255.00	-1.00	-5.00	1.00	30.00	45.00	63.00
CQ00133	12.00	13.00			DSPLT	207.00	-1.00	-5.00	1.00	28.00	40.00	57.00
CQ00134	15.00	16.00			DSPLT	224.00	1.00	-5.00	1.00	28.00	40.00	58.00
CQ00135	18.00	19.00			DSPLT	290.00	-1.00	-5.00	1.00	32.00	47.00	66.00
CQ00136	21.00	22.00			DSPLT	232.00	-1.00	-5.00	1.00	30.00	44.00	60.00
CQ00137	24.00	25.00			DSPLT	264.00	-1.00	-5.00	2.00	31.00	45.00	62.00
CQ00138	27.00	28.00			DSPLT	255.00	1.00	-5.00	1.00	33.00	45.00	63.00
CQ00139	30.00	31.00			DSPLT	226.00	-1.00	-5.00	1.00	31.00	41.00	58.00
CQ00140	33.00	34.00			DSPLT	265.00	-1.00	-5.00	1.00	33.00	45.00	62.00
CQ00141	33.00	34.00	SD	CQ00140	DSPLT	262.00	-1.00	-5.00	2.00	33.00	45.00	70.00
CQ00142	33.00	34.00	R	CQ00140	DSPLT	221.00	-1.00	-5.00	1.00	30.00	37.00	51.00
CQ00143	36.00	37.00			DSPLT	222.00	2.00	-5.00	2.00	29.00	37.00	59.00
CQ00144	39.00	40.00			DSPLT	256.00	2.00	-5.00	2.00	35.00	44.00	61.00
CQ00145	42.00	43.00			DSPLT	232.00	-1.00	-5.00	1.00	33.00	42.00	59.00
CQ00146	45.00	48.00			DSPLT	280.00	-1.00	-5.00	2.00	41.00	46.00	63.00
CQ00147	48.00	49.00			DSPLT	266.00	1.00	-5.00	2.00	38.00	46.00	65.00
CQ00148	51.00	52.00			DSPLT	231.00	-1.00	-5.00	2.00	36.00	43.00	61.00
CQ00149	54.00	55.00			DSPLT	240.00	1.00	-5.00	1.00	35.00	44.00	62.00
CQ00150	0.00	0.00	QS	LN1	STAND	14902.00	141.00	64.00	42.00	792.00	289.00	135.00
CQ00151	57.00	58.00			DSPLT	241.00	1.00	-5.00	2.00	38.00	43.00	61.00
CQ00152	60.00	61.00			DSPLT	218.00	-1.00	-5.00	2.00	39.00	42.00	62.00
CQ00153	63.00	64.00			DSPLT	225.00	4.00	-5.00	2.00	58.00	42.00	63.00
CQ00154	66.00	67.00			DSPLT	211.00	-1.00	-5.00	2.00	38.00	42.00	62.00
CQ00155	69.00	70.00			DSPLT	245.00	-1.00	-5.00	13.00	45.00	46.00	68.00
CQ00156	72.00	73.00			DSPLT	256.00	2.00	-5.00	1.00	38.00	45.00	66.00
CQ00157	75.00	76.00			DSPLT	272.00	2.00	-5.00	1.00	34.00	46.00	64.00
CQ00158	78.00	79.00			DSPLT	312.00	1.00	-5.00	2.00	34.00	48.00	66.00
CQ00159	81.00	82.00			DSPLT	263.00	2.00	-5.00	1.00	28.00	41.00	53.00
CQ00160	83.00	84.00			DSPLT	275.00	1.00	-5.00	1.00	23.00	42.00	53.00
CQ00161	83.00	84.00	SD	CQ00160	DSPLT	277.00	2.00	-5.00	1.00	22.00	43.00	52.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00162	83.00	84.00	R	CQ00160	DSPLT	272.00	2.00	-5.00	2.00	24.00	42.00	51.00
CQ00163	84.00	85.00			DSPLT	258.00	2.00	-5.00	4.00	29.00	41.00	52.00
CQ00164	85.00	86.00			DSPLT	221.00	2.00	-5.00	-1.00	36.00	43.00	59.00
CQ00165	86.00	86.55			DSPLT	204.00	3.00	-5.00	3.00	86.00	43.00	60.00
CQ00166	86.55	87.50			DSPLT	163.00	-1.00	-5.00	2.00	49.00	40.00	57.00
CQ00167	87.50	88.50			DSPLT	145.00	2.00	-5.00	2.00	40.00	39.00	56.00
CQ00168	88.50	89.50			DSPLT	191.00	2.00	-5.00	2.00	42.00	44.00	67.00
CQ00169	89.50	90.50			DSPLT	291.00	3.00	-5.00	3.00	73.00	43.00	63.00
CQ00170	90.50	91.50			DSPLT	262.00	2.00	5.00	2.00	69.00	46.00	69.00
CQ00171	91.50	92.50			DSPLT	364.00	2.00	-5.00	3.00	203.00	43.00	62.00
CQ00172	92.50	93.50			DSPLT	274.00	2.00	-5.00	2.00	51.00	50.00	71.00
CQ00173	93.50	94.50			DSPLT	304.00	-1.00	-5.00	3.00	58.00	48.00	66.00
CQ00174	94.50	95.60			DSPLT	260.00	1.00	-5.00	3.00	80.00	44.00	60.00
CQ00175	0.00	0.00	QS	LN1	STAND	15301.00	172.00	78.00	48.00	801.00	301.00	141.00
CQ00176	95.60	96.60			DSPLT	272.00	-1.00	-5.00	2.00	49.00	44.00	60.00
CQ00177	96.60	97.60			DSPLT	226.00	1.00	-5.00	2.00	34.00	42.00	86.00
CQ00178	97.60	98.50			DSPLT	223.00	2.00	-5.00	2.00	39.00	57.00	74.00
CQ00179	98.50	99.50			DSPLT	240.00	2.00	-5.00	2.00	27.00	43.00	60.00
CQ00180	99.50	100.50			DSPLT	261.00	1.00	-5.00	2.00	20.00	43.00	53.00
CQ00181	99.50	100.50	SD	CQ00180	DSPLT	269.00	1.00	-5.00	2.00	21.00	44.00	54.00
CQ00182	99.50	100.50	R	CQ00180	DSPLT	268.00	-1.00	-5.00	2.00	21.00	44.00	54.00
CQ00183	100.50	101.50			DSPLT	189.00	3.00	-5.00	2.00	33.00	38.00	54.00
CQ00184	101.50	101.95			DSPLT	149.00	1.00	-5.00	2.00	53.00	31.00	43.00
CQ00185	101.95	103.00			DSPLT	1639.00	25.00	9.00	13.00	1130.00	59.00	56.00
CQ00186	103.00	104.00			DSPLT	2052.00	29.00	9.00	11.00	1303.00	69.00	62.00
CQ00187	104.00	104.55			DSPLT	366.00	5.00	-5.00	3.00	176.00	49.00	66.00
CQ00188	104.55	105.50			DSPLT	1086.00	19.00	8.00	5.00	858.00	72.00	63.00
CQ00189	105.50	106.54			DSPLT	769.00	13.00	7.00	3.00	621.00	87.00	53.00
CQ00190	106.54	107.13			DSPLT	977.00	17.00	6.00	4.00	794.00	89.00	57.00
CQ00191	107.13	108.00			DSPLT	858.00	11.00	7.00	4.00	869.00	99.00	69.00
CQ00192	108.00	108.95			DSPLT	1313.00	19.00	8.00	5.00	1294.00	88.00	85.00
CQ00193	108.95	110.00			DSPLT	1239.00	13.00	5.00	4.00	1115.00	89.00	79.00
CQ00194	110.00	111.00			DSPLT	1026.00	6.00	-5.00	9.00	820.00	93.00	84.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00195	111.00	112.00			DSPLT	1218.00	7.00	-5.00	4.00	1025.00	102.00	95.00
CQ00228	132.00	133.00			DSPLT	234.00	9.00	-5.00	2.00	279.00	39.00	118.00
CQ00229	133.00	133.60			DSPLT	329.00	10.00	9.00	3.00	452.00	22.00	78.00
CQ00230	133.60	134.34			DSPLT	626.00	25.00	11.00	6.00	616.00	41.00	102.00
CQ00231	134.34	134.78			DSPLT	1731.00	53.00	20.00	12.00	2365.00	47.00	139.00
CQ00232	134.78	135.50			DSPLT	242.00	8.00	5.00	3.00	489.00	34.00	110.00
CQ00233	135.50	136.50			DSPLT	54.00	2.00	-5.00	2.00	104.00	23.00	83.00
CQ00234	136.50	137.50			DSPLT	633.00	23.00	9.00	4.00	254.00	40.00	139.00
CQ00235	137.50	138.50			DSPLT	522.00	23.00	11.00	10.00	734.00	42.00	130.00
CQ00236	138.50	139.22			DSPLT	146.00	7.00	6.00	2.00	143.00	43.00	138.00
CQ00237	139.22	139.75			DSPLT	120.00	4.00	6.00	2.00	58.00	32.00	130.00
CQ00238	139.75	140.50			DSPLT	19.00	1.00	-5.00	2.00	10.00	4.00	59.00
CQ00239	140.50	141.50			DSPLT	17.00	-1.00	7.00	-1.00	12.00	8.00	34.00
CQ00240	141.50	142.25			DSPLT	9.00	1.00	-5.00	-1.00	7.00	4.00	22.00
CQ00241	141.50	142.25	SD	CQ00240	DSPLT	9.00	-1.00	-5.00	2.00	5.00	4.00	21.00
CQ00242	141.50	142.25	R	CQ00240	DSPLT	9.00	-1.00	-5.00	-1.00	6.00	4.00	21.00
CQ00243	142.25	142.70			DSPLT	17.00	-1.00	-5.00	2.00	14.00	6.00	44.00
CQ00244	142.70	143.30			DSPLT	77.00	6.00	8.00	2.00	59.00	19.00	110.00

DOWN HOLE SURVEY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>AZIMUTH</i>	<i>DIP</i>	<i>TYPE</i>
QPD01002	0.00	90.00	-61.00	DM
QPD01002	3.00	89.97	-61.05	MB
QPD01002	6.00	89.91	-61.09	MB
QPD01002	9.00	89.89	-61.13	MB
QPD01002	12.00	89.83	-61.19	MB
QPD01002	15.00	89.83	-61.26	MB
QPD01002	18.00	89.77	-61.32	MB
QPD01002	21.00	89.77	-61.36	MB
QPD01002	24.00	89.78	-61.40	MB
QPD01002	27.00	89.73	-61.45	MB
QPD01002	30.00	89.69	-61.50	MB
QPD01002	33.00	89.69	-61.54	MB
QPD01002	36.00	89.65	-61.59	MB
QPD01002	39.00	89.58	-61.64	MB
QPD01002	42.00	89.57	-61.68	MB
QPD01002	45.00	89.53	-61.74	MB
QPD01002	48.00	89.55	-61.80	MB
QPD01002	51.00	89.52	-61.82	MB
QPD01002	54.00	89.50	-61.86	MB
QPD01002	57.00	89.52	-61.90	MB
QPD01002	60.00	89.48	-61.96	MB
QPD01002	63.00	89.50	-62.01	MB
QPD01002	66.00	89.55	-62.05	MB
QPD01002	69.00	89.57	-62.10	MB
QPD01002	72.00	89.66	-62.16	MB
QPD01002	75.00	89.65	-62.22	MB
QPD01002	78.00	89.80	-62.29	MB
QPD01002	81.00	89.96	-62.34	MB
QPD01002	84.00	90.03	-62.41	MB
QPD01002	87.00	90.13	-62.46	MB
QPD01002	90.00	90.21	-62.51	MB
QPD01002	93.00	90.33	-62.57	MB
QPD01002	96.00	90.49	-62.63	MB
QPD01002	99.00	90.58	-62.70	MB
QPD01002	102.00	90.64	-62.73	MB
QPD01002	105.00	90.70	-62.74	MB
QPD01002	108.00	90.68	-62.77	MB
QPD01002	111.00	90.72	-62.75	MB
QPD01002	114.00	90.80	-62.74	MB
QPD01002	117.00	90.98	-62.74	MB
QPD01002	120.00	91.13	-62.75	MB
QPD01002	123.00	91.29	-62.77	MB
QPD01002	126.00	91.51	-62.79	MB
QPD01002	129.00	91.73	-62.83	MB
QPD01002	132.00	91.84	-62.87	MB
QPD01002	135.00	92.02	-62.89	MB
QPD01002	138.00	92.14	-62.94	MB
QPD01002	141.00	92.34	-62.95	MB

QPD01002	144.00	92.53	-62.96	MB
QPD01002	147.00	92.66	-62.98	MB
QPD01002	150.00	92.76	-63.00	MB
QPD01002	153.00	92.85	-63.03	MB
QPD01002	156.00	93.00	-63.09	MB
QPD01002	159.00	93.08	-63.09	MB
QPD01002	162.00	93.15	-63.11	MB
QPD01002	165.00	93.30	-63.10	MB
QPD01002	168.00	93.41	-63.09	MB
QPD01002	171.00	93.50	-63.09	MB
QPD01002	174.00	93.59	-63.10	MB
QPD01002	177.00	93.73	-63.10	MB
QPD01002	180.00	93.94	-63.10	MB
QPD01002	183.00	94.02	-63.09	MB
QPD01002	186.00	94.08	-63.11	MB
QPD01002	189.00	94.18	-63.10	MB
QPD01002	192.00	94.22	-63.08	MB
QPD01002	195.00	94.24	-63.07	MB
QPD01002	198.00	94.39	-63.09	MB
QPD01002	201.00	94.43	-63.09	MB
QPD01002	204.00	94.70	-63.01	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01002	2.00	915.00
QPD01002	3.00	895.00
QPD01002	4.00	938.00
QPD01002	5.00	1050.00
QPD01002	6.00	925.00
QPD01002	7.00	790.00
QPD01002	8.00	882.00
QPD01002	9.00	1130.00
QPD01002	10.00	1020.00
QPD01002	11.00	970.00
QPD01002	12.00	875.00
QPD01002	13.00	1105.00
QPD01002	14.00	532.00
QPD01002	15.00	1053.00
QPD01002	16.00	1062.00
QPD01002	17.00	910.00
QPD01002	18.00	870.00
QPD01002	19.00	1060.00
QPD01002	20.00	1035.00
QPD01002	21.00	1015.00
QPD01002	22.00	740.00
QPD01002	23.00	810.00
QPD01002	24.00	910.00
QPD01002	25.00	950.00
QPD01002	26.00	730.00
QPD01002	27.00	720.00
QPD01002	28.00	550.00
QPD01002	29.00	790.00
QPD01002	30.00	755.00
QPD01002	31.00	800.00
QPD01002	32.00	845.00
QPD01002	33.00	690.00
QPD01002	34.00	810.00
QPD01002	35.00	625.00
QPD01002	36.00	505.00
QPD01002	37.00	895.00
QPD01002	38.00	860.00
QPD01002	39.00	540.00
QPD01002	40.00	800.00
QPD01002	41.00	1260.00
QPD01002	42.00	530.00
QPD01002	43.00	595.00
QPD01002	44.00	700.00
QPD01002	45.00	405.00
QPD01002	46.00	793.00
QPD01002	47.00	445.00
QPD01002	48.00	590.00
QPD01002	49.00	740.00

QPD01002	50.00	882.00
QPD01002	51.00	680.00
QPD01002	52.00	665.00
QPD01002	53.00	655.00
QPD01002	54.00	766.00
QPD01002	55.00	110.00
QPD01002	56.00	726.00
QPD01002	57.00	585.00
QPD01002	58.00	545.00
QPD01002	59.00	380.00
QPD01002	60.00	1060.00
QPD01002	61.00	825.00
QPD01002	62.00	645.00
QPD01002	63.00	945.00
QPD01002	64.00	575.00
QPD01002	65.00	708.00
QPD01002	66.00	960.00
QPD01002	67.00	615.00
QPD01002	68.00	796.00
QPD01002	69.00	695.00
QPD01002	70.00	815.00
QPD01002	71.00	40.00
QPD01002	72.00	47.00
QPD01002	73.00	350.00
QPD01002	74.00	684.00
QPD01002	75.00	740.00
QPD01002	76.00	690.00
QPD01002	77.00	616.00
QPD01002	78.00	544.00
QPD01002	79.00	616.00
QPD01002	80.00	405.00
QPD01002	81.00	550.00
QPD01002	82.00	433.00
QPD01002	83.00	530.00
QPD01002	84.00	410.00
QPD01002	85.00	490.00
QPD01002	86.00	705.00
QPD01002	87.00	596.00
QPD01002	88.00	635.00
QPD01002	89.00	1105.00
QPD01002	90.00	662.00
QPD01002	91.00	1462.00
QPD01002	92.00	782.00
QPD01002	93.00	655.00
QPD01002	94.00	696.00
QPD01002	95.00	752.00
QPD01002	96.00	727.00
QPD01002	97.00	40.00
QPD01002	98.00	135.00
QPD01002	99.00	880.00
QPD01002	100.00	763.00
QPD01002	101.00	52.00

QPD01002	102.00	1230.00
QPD01002	103.00	576.00
QPD01002	104.00	738.00
QPD01002	105.00	540.00
QPD01002	106.00	20.00
QPD01002	107.00	850.00
QPD01002	108.00	795.00
QPD01002	109.00	12.00
QPD01002	110.00	48.00
QPD01002	111.00	12.00
QPD01002	112.00	68.00
QPD01002	113.00	535.00
QPD01002	114.00	727.00
QPD01002	115.00	640.00
QPD01002	116.00	1732.00
QPD01002	117.00	71.00
QPD01002	118.00	160.00
QPD01002	119.00	14000.00
QPD01002	120.00	36.00
QPD01002	121.00	40.00
QPD01002	122.00	53.00
QPD01002	123.00	21.00
QPD01002	124.00	3400.00
QPD01002	125.00	58.00
QPD01002	126.00	55.00
QPD01002	127.00	55.00
QPD01002	128.00	41.00
QPD01002	129.00	470.00
QPD01002	130.00	980.00
QPD01002	131.00	30.00
QPD01002	132.00	50.00
QPD01002	133.00	88.00
QPD01002	134.00	65.00
QPD01002	135.00	32.00
QPD01002	136.00	50.00
QPD01002	137.00	140.00
QPD01002	138.00	135.00
QPD01002	139.00	40.00
QPD01002	140.00	0.00
QPD01002	141.00	0.00
QPD01002	142.00	0.00
QPD01002	143.00	9.00
QPD01002	144.00	4.00
QPD01002	145.00	1.00
QPD01002	146.00	28.00
QPD01002	147.00	25.00
QPD01002	148.00	36.00
QPD01002	149.00	10.00
QPD01002	150.00	0.00
QPD01002	151.00	480.00
QPD01002	152.00	32.00
QPD01002	153.00	162.00

QPD01002	154.00	90.00
QPD01002	155.00	0.00
QPD01002	156.00	0.00
QPD01002	157.00	0.00
QPD01002	158.00	0.00
QPD01002	159.00	0.00
QPD01002	160.00	0.00
QPD01002	161.00	0.00
QPD01002	162.00	0.00
QPD01002	163.00	0.00
QPD01002	164.00	0.00
QPD01002	165.00	0.00
QPD01002	166.00	0.00
QPD01002	167.00	0.00
QPD01002	168.00	0.00
QPD01002	169.00	0.00
QPD01002	170.00	0.00
QPD01002	171.00	0.00
QPD01002	172.00	0.00
QPD01002	173.00	0.00
QPD01002	174.00	0.00
QPD01002	175.00	0.00
QPD01002	176.00	0.00
QPD01002	177.00	0.00
QPD01002	178.00	0.00
QPD01002	179.00	0.00
QPD01002	180.00	0.00
QPD01002	181.00	0.00
QPD01002	182.00	0.00
QPD01002	183.00	0.00
QPD01002	184.00	0.00
QPD01002	185.00	0.00
QPD01002	186.00	0.00
QPD01002	187.00	0.00
QPD01002	188.00	0.00
QPD01002	189.00	0.00
QPD01002	190.00	0.00
QPD01002	191.00	0.00
QPD01002	192.00	0.00
QPD01002	193.00	0.00
QPD01002	194.00	0.00
QPD01002	195.00	0.00
QPD01002	196.00	0.00
QPD01002	197.00	0.00
QPD01002	198.00	0.00
QPD01002	199.00	35.00
QPD01002	200.00	51.00
QPD01002	201.00	78.00
QPD01002	202.00	50.00
QPD01002	203.00	55.00
QPD01002	204.00	30.00
QPD01002	205.00	45.00

QPD01002	206.00	67.00
QPD01002	207.00	80.00
QPD01002	208.00	68.00
QPD01002	209.00	65.00
QPD01002	210.00	140.00
QPD01002	211.00	70.00
QPD01002	212.00	62.00
QPD01002	213.00	80.00

<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>RQD</i>		<i>NOTES</i>
			<i>WIDTH</i>	<i>RQD (m)</i>	
QPD01002	3.00	6.00	0.00	0.00	0.96
QPD01002	6.00	9.00	0.00	0.00	0.65
QPD01002	9.00	12.00	0.00	0.00	0.90
QPD01002	12.00	15.00	0.00	0.00	0.91
QPD01002	15.00	18.00	0.00	0.00	0.96
QPD01002	18.00	21.00	0.00	0.00	0.97
QPD01002	21.00	24.00	0.00	0.00	0.98
QPD01002	24.00	27.00	0.00	0.00	0.98
QPD01002	27.00	30.00	0.00	0.00	1.00
QPD01002	30.00	33.00	0.00	0.00	1.00
QPD01002	33.00	36.00	0.00	0.00	0.99
QPD01002	36.00	39.00	0.00	0.00	1.00
QPD01002	39.00	42.00	0.00	0.00	0.99
QPD01002	42.00	45.00	0.00	0.00	0.92
QPD01002	45.00	48.00	0.00	0.00	0.97
QPD01002	48.00	51.00	0.00	0.00	0.98
QPD01002	51.00	54.00	0.00	0.00	0.95
QPD01002	54.00	57.00	0.00	0.00	1.00
QPD01002	57.00	60.00	0.00	0.00	0.93
QPD01002	60.00	63.00	0.00	0.00	0.91
QPD01002	63.00	66.00	0.00	0.00	0.94
QPD01002	66.00	69.00	0.00	0.00	0.95
QPD01002	69.00	72.00	0.00	0.00	0.99
QPD01002	72.00	75.00	0.00	0.00	1.00
QPD01002	75.00	78.00	0.00	0.00	0.98
QPD01002	78.00	81.00	0.00	0.00	0.88
QPD01002	81.00	84.00	0.00	0.00	0.92
QPD01002	84.00	87.00	0.00	0.00	0.97
QPD01002	87.00	90.00	0.00	0.00	0.94
QPD01002	90.00	93.00	0.00	0.00	0.97
QPD01002	93.00	96.00	0.00	0.00	0.92
QPD01002	96.00	99.00	0.00	0.00	0.98
QPD01002	99.00	102.00	0.00	0.00	0.97
QPD01002	102.00	105.00	0.00	0.00	0.95
QPD01002	105.00	108.00	0.00	0.00	0.97
QPD01002	108.00	111.00	0.00	0.00	0.50
QPD01002	111.00	114.00	0.00	0.00	0.60
QPD01002	114.00	117.00	0.00	0.00	0.77
QPD01002	117.00	120.00	0.00	0.00	0.78

QPD01002	120.00	123.00	0.00	0.00	0.95
QPD01002	123.00	126.00	0.00	0.00	1.00
QPD01002	126.00	129.00	0.00	0.00	0.88
QPD01002	129.00	132.00	0.00	0.00	0.85
QPD01002	132.00	135.00	0.00	0.00	0.97
QPD01002	135.00	138.00	0.00	0.00	0.97
QPD01002	138.00	141.00	0.00	0.00	0.73
QPD01002	141.00	144.00	0.00	0.00	0.99
QPD01002	144.00	147.00	0.00	0.00	1.00
QPD01002	147.00	150.00	0.00	0.00	0.60
QPD01002	150.00	153.00	0.00	0.00	0.99
QPD01002	153.00	156.00	0.00	0.00	0.98
QPD01002	156.00	159.00	0.00	0.00	0.95
QPD01002	159.00	162.00	0.00	0.00	0.60
QPD01002	162.00	165.00	0.00	0.00	1.00
QPD01002	165.00	168.00	0.00	0.00	0.90
QPD01002	168.00	171.00	0.00	0.00	0.80
QPD01002	171.00	174.00	0.00	0.00	0.92
QPD01002	174.00	177.00	0.00	0.00	0.92
QPD01002	177.00	180.00	0.00	0.00	0.93
QPD01002	180.00	183.00	0.00	0.00	1.00
QPD01002	183.00	186.00	0.00	0.00	1.00
QPD01002	186.00	189.00	0.00	0.00	0.98
QPD01002	189.00	192.00	0.00	0.00	0.92
QPD01002	192.00	195.00	0.00	0.00	1.00
QPD01002	195.00	198.00	0.00	0.00	1.00
QPD01002	198.00	201.00	0.00	0.00	1.00
QPD01002	201.00	204.00	0.00	0.00	1.00
QPD01002	204.00	207.00	0.00	0.00	0.99
QPD01002	207.00	210.00	0.00	0.00	0.98
QPD01002	210.00	213.00	0.00	0.00	0.92

DRILL LOG QPD01003

ZONE:	PAPAVOINE	EASTING UTM:	650250.28	DDH STARTED:	4/21/01
SITE:	LAND	NORTHING UTM:	6330793.06	DDH FINISHED:	4/29/01
ORIENTATED:	Yes	ELEVATION (m):	311.99	GEOLOGIST 1:	JIM MCKINNON MATTHEWS
GEOTECH:	Yes	BEARING:	270	GEOLOGIST 2:	JOHN EVEREST
CASING (m):	2.95	DIP:	-76.00	LOG COMPLETED:	4/3/01
		LENGTH (m):	583.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

This hole was drilled to intersect a highly conductive, near surface, flat lying conductive body that was identified from AEM and Surface UTEM. In addition it was planned that this hole would drill through to the basal contact of the mafic sill for a number of reasons - identify any mineralisation beyond the range of the surface EM, get a stratigraphic cross section through the sill, and lastly, use this hole as a platform for DHEM - regardless of whether significant mineralisation was intersected.

The drillhole began in glacial till and a commonly garnetiferous felsic gneiss and granite interval was intersected from 2.95m to 25.41m. From 25.41 to 46.88m a dominantly graphitic paragneiss was intersected with intervals of semi-massive graphite. This paragneiss is abruptly terminated by the targeted mafic sill. This sill continues to 552.9m downhole depth and is summarised below:

A narrow interval from 46.88-52.7m of cg anorthosite was intersected at the top of the sill contacting the paragneiss. This graded to an olivine gabbro-norite to 231.8m. From 231.8 to 393m is a medium grained troctolite with abundant labradorite which grades to the "normal" troctolite to 511.26m. Beneath this is a variably textured mafic rock to 552.90m which includes intervals of partly digested graphitic paragneiss and breccia. Footwall gneiss was intersected from 552.90 to the end of the hole. This footwall was intensely hornfelsed to 570m.

DRILL LOG: QPD01003

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

0.00 2.95 UG 100 0

2.95 25.41 Fg&R^gqfj 100 0

mixed unit of graite and granitic gneiss, graphitic and garnetiferous locally, variably textured from medium grained massive to moderately foliated, disseminated pyrite with lesser pyrrhotite throughout unit - more concentrated in mafic portions of the gneiss

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	C colour	Rock No	Notes
2.95	25.41	lcg	5	ds							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
11.20	25.41	spo	0.50	ds					
11.20	25.41	spy	2.00	ds					

25.41 45.97 -aR^g-n 100 0

dominantly a unit of strongly graphitic paragneiss, minor inclusions of granite locally (prominent inclusion at 30.5 to 31.28 m), dark grey to black, strongly foliated and friable, fault zones throughout - strongly broken core and fault gouge from 39.45 to 42 m, sulfides (dominantly pyrrhotite and pyrite) occur along foliation planes,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	C colour	Rock No	Notes
25.41	41.00	lcg	15	rn							1	
41.00	45.97	lcg	35	cg							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
25.41	30.50	spo	5.00	rn					
25.41	30.50	spy	7.00	rn					
31.28	35.00	spy	7.00	rn					
35.00	45.00	spy	4.00	rn					
41.50	45.97	spo	0.50						
45.00	45.33	spy	7.00	rn					
45.33	45.97	spy	1.00	rn					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/ Dir	Notes
39.45	42.00	fz		3					strongly broken with fault gouge
39.85	40.08	fg		3					

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

45.97 46.40 Mtr 100 0

narrow unit of troctolite, 60:40/plagioclase:olivine, medium grain

46.40 46.88 -aR^g-n 100 0

strongly graphitic, 50% semi-massive graphite, mixed with minor mafic igneous rock and chloritic mineralization

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
46.40	46.88	lcg	50							1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
46.40	46.88	spy	10.00					

46.88 52.70 Mfp 100 0 Shp

coarse grained anorthosite, plagioclase and pyroxene crystals up to 2 cm, light coloured, pyroxenes interstitial to plagioclase, gradational lower contact

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
46.88	52.70	yc			1	

52.70 152.84 Mgno 100 0

unit of plagioclase - olivine - 2 pyroxenes, generally equigranular on a local scale, however grain size varies throughout - generally from medium grained to coarse grained, becoming coarser grained with depth, variable magnetite content, trace pyrrhotite locally (<.05%)

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
57.95	58.05	r	70							1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
52.70	152.84	spo	0.05	ds				

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/ Dir	Notes
57.95	58.05	fc	0					serpentinized fracture
62.90	63.00	fs	0					3 chloritic fractures - 45 to 65 degrees

152.84 168.41 Mgno 100 0

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

olivine gabbro norite, gradational contact with the previous unit, darker than previous unit due to increased labradorite content, sulfide content of unit is slightly increased over previous unit (0.1% sulfides- pyrrhotite/chalcopyrite), coarse grained, twinning is obvious in the plagioclase grains - grains are up to several cm in length, local cm scale leucocratic zones with labradorite rimmed by whiter plagioclase and cores partially replaced by epidote/chlorite(?), massive unit with local flow banding, 2 pyroxenes apparent throughout unit - one is light brown whereas the other is dark metallic grey, flow band is sub horizontal in 3 dimensional space (0 to 10 degree dip) - difficult to measure using goniometer, magnetite concentration increases from 159 to 168.41 m

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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165.00	165.16		fw			1	
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168.00	168.41		fw			1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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159.00	168.41	xm	5	cg							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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152.84	168.41	spo	0.10	ds					
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168.41 169.50 M-cgno 100 0

coarse grained unit of olivine gabbro norite, dominantly pyroxenes (2) and plagioclase with minor olivine, grains are randomly oriented and blocky, magnetite selvage at the lower contact,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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168.41	169.50	xm	5	cg							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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168.41	169.50	spo	0.10	ds					
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169.50 172.75 Mgno 100 0

similar to unit at 152.84 to 168.41 m, uniform medium grained with local flowbanding

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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169.50	170.15		fw			1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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169.50	172.75	xm	5	cg							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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169.50	172.75	spo	0.10	ds					
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172.75 188.00 M-cgno 100 0 Shp

coarse grained and blocky/stubby texture, dominantly a 2 pyroxene - plagioclase - magnetite igneous rock with lesser olivine? and biotite. Trace disseminated fg sulphides throughout.

FROM	TO	ROCK 1								ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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172.75	188.00	xm	8	cg							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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172.75	188.00	spy	0.10	ds					
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STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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182.00	184.00	fc		2	0				fracture parrallel to core axis
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187.22	187.54	fc		2	0				fracture parrallel to core axis
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188.00	231.80	Mgno		100					0
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medium to dark grey, 2 pyroxenes - plagioclase - biotite - olivine (?), trace sulfides throughout unit, plagioclase is labradorite - good is visible, locally pegmatitic, unit is generally medium grained, unit is troctolitic at 222.95 - 223.3 m,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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188.00	231.90	xm	5								1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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188.00	233.43	spo	0.10	ds					
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STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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212.00	212.80	fz		2					broken core
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231.80	393.00	Mtr-fil		100					0
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mafic looking unit of troctolite - mafic appearance related to the dark colour of the plagioclase which is most likely labradorite, unit of more felsic looking (normal) troctolite at 233.43 to 233.94 m - felsic appearance related to white colour of plagioclase, olivine = 30 to 35 %, pyroxene = 5 to 10%, plagioclase = 50 to 60 %, biotite = 5%, minor disseminated magnetite throughout, medium to dark grey appearance, dominantly a medium grained unit - homogeneous, flow banding is common in unit - crudely perpendicular to core axis, plagioclase occurs as bladey laths, unit is getting slightly more felsic looking with depth - plagioclase is lightening up in colour, gradational lower contact with Mtr - contact picked randomly

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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231.80	393.00	spo	0.05	ds					
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STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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255.00	256.00	fz		1					zone of strongly broken core - serpentinitic fractures
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260.75	261.00	fz		1					zone of strongly broken core - serpentinitic fractures
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263.44	263.84	fz		1					zone of strongly broken core - serpentinitic fractures
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265.28	268.53	fz		1					zone of strongly broken core - serpentinitic fractures
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393.00	511.26	Mtr		100					0	Gr
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FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

more felsic appearance than previous unit due to light grey colour, gradational upper contact, olivine = 40 to 45%, plagioclase = 50 to 55%, magnetite = 3 to 5%, trace biotite, uniform, massive, medium grained. Lighter colour seems to be attributed to colour of plagioclase - this may indicate change in composition of plagioclase. Becoming coarser grained downhole. fine grained sulphides sporadic throughout interval in very minor amounts.

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
393.00	511.26	spo	0.10	ds					

511.26	518.47	Mgno	100	0	Gr
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mg to cg olivine gabbro norite. The two pyroxenes account for approximately 20-25% of the rock. Sulphides becoming more evident towards base of interval as interstitial disseminations to silicates. Pyroxenes become very coarse grained towards base of interval also.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
511.26	518.47	yc				1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
511.26	518.05	spo	0.10	ds					
518.05	518.47	scp	0.50	ds					
518.05	518.47	spo	3.00	ds					

518.47	520.45	-aR^g-n&M	100	0	Shp	70
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Alternating unit of graphitic paragneiss and veinlike coarse grained to pegmatic olivine? gabbro norite. Graphite up to 50% over narrow intervals (10-15cm) that has been intruded into/digested by the mafic. Graphite shows a relic fabric (foliation). Coarse grained blebby (up to 3cm) and interstitial sulphides are aparent within the mafic portions over the entire interval suggesting digestion of graphitic paragneiss has caused sulphur saturation.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
518.47	518.87	lcg	35	bn							1	
518.87	519.12	lcg	1	ds							1	
519.12	519.60	lcg	35	bn							1	
519.60	519.71	lcg	1	ds							1	
519.71	519.84	lcg	35	bn							1	
519.84	520.13	lcg	3	ds							1	
520.13	520.22	lcg	35	bn							1	
520.22	520.45	lcg	15	bn							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
518.47	518.87	spo	0.50	ds					

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

518.87	519.12	spo	3.00	by														
519.12	519.60	spo	0.10	ds														
519.60	519.71	spo	8.00	by														
519.71	519.84	spo	0.50	ds														
519.84	520.13	spo	6.00	by														
520.13	520.22	spo	0.50	ds														
520.22	520.45	spo	6.00	by														

520.45 527.77 Mgno&-aR^g 100 0 Shp 50

Mixed unit of mafic and graphitic paragneiss. Relic foliation can be seen in the graphitic portions. Unlike previous interval, mixing of mafic and paragneiss has happened whereas before there were discrete intervals. Blebby sulphides are common throughout interval suggesting that digestion of the paragneiss has initiated sulphide saturation in the mafic melt. Dominant sulphide is spo with minor cpy and pentlandite.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
520.45 527.77		bd			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
520.45 527.77	lsg	8	by							1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
520.45 527.77	se	0.50	ds					
520.45 527.77	scp	0.50	ds					
520.45 527.77	spo	5.00	by					

527.77 537.57 M^ligno 100 0 Shp

coarse grained feldspar rich mafic - commonly leucocratic. Plag laths to 3cm. Interstitial blebby disseminated mineralisation throughout interval but concentrated in the top of the unit. Sulphides towards base of interval are fewer and finer grained. Random interlocking igneous texture common.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
527.77 537.57		yc			1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
527.77 531.00	se	1.00	ds					
527.77 531.00	scp	1.00	ds					
527.77 531.00	spo	5.00	by					
531.00 537.57	se	0.30	ds					

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

531.00	537.57	scp	0.30	ds																
531.00	537.57	spo	2.00	ds																

537.57	543.00	Mgno&^pB		100						0										Gr
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This interval consists of dominantly mafic minerals (with rare interlocking igneous textures). Zones of felsic dominated melt phases are common and may be the result of digestion of the footwall by the mafic. Unit is relatively equigranular and medium grained.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
537.57	543.00	mg				1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
537.57	540.00	scp	0.30	ds					
537.57	540.00	se	0.30	ds					
537.57	540.00	spo	3.00	ds					
540.00	543.00	spo	1.00	ds					

543.00	549.17	Mgno&^pB		100						0										Gr
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Mix of predominantly mafic minerals and footwall breccia fragments such as paragneiss and granite. Interval is variably textured and grain size is variable also. Paragneiss clasts up to 3cm whilst a granite clast is in the order of 20cm across. Both the paragneiss and the granite have been intensely altered and recrystallised. Blebby and disseminated mineralisation is common throughout interval. Visibly there is a greater proportion of chalcopyrite than recognised further up the hole.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
543.00	549.17	bd				1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
543.00	549.17	scp	1.00	ds					
543.00	549.17	se	1.00	ds					
543.00	549.17	spo	4.00	ds					

549.17	552.90	Mgno		100						0										
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mg to cg with diffuse grain boundaries and occasional narrow (10cm) cg-pegmatitic zone. These coarser grained zones contain abundant cg spo-scp-se up to 20%. This unit has mottled appearance and could even be intensely hornfelsed footwall.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
549.17	552.90	md				1	

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>											
549.17	552.90	se	1.00	ds																
549.17	552.90	scp	1.00	ds																
549.17	552.90	spo	3.00	by																

552.90 570.00 fnR 100 0 Gr

Intensely hornfelsed footwall felsic gneiss rocks. Fracturing in core common throughout upper portions of interval. Sulphides variable from minor disseminations to narrow intervals <10cm of matrix po-scp-se parrallel to the variable foliation in the footwall. Relic foliation from 558m, above that the foliation has been obliterated.

<i>TEXTURES</i>		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>													
552.90	570.00	gn				1														

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>											
552.90	558.00	spo	1.00	ds																
558.00	560.00	se	1.00	ds																
558.00	560.00	scp	1.00	ds																
558.00	560.00	spo	7.00	st																
560.00	561.13	spo	1.00	ds																
561.13	565.16	se	2.00	ds																
561.13	565.16	scp	2.00	ds																
561.13	565.16	spo	8.00	st																
565.16	570.00	spo	0.50	ds																
565.16	570.00	scp	0.50	ds																

<i>STRUCTURE</i>		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>											
552.90	561.00	fs		3	40				intensely fractured zone. Fractures sub parrallel.											
553.36	553.87	fz		3					interval of broken core											

570.00 583.00 R^gqfj 100 0 Gr

Felsic gneiss, foliation evident. Qtz feldspar rich with minor mafic minerals and biotite in foliation planes. foliation angles variable.

<i>STRUCTURE</i>		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>											
570.00	583.00	fn		2					variable foliation in qtz-feld gneiss.											

Assay Results for: QPD01003

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00245	11.20	12.00			DSPLT	52.00	2.00	-5.00	1.00	89.00	28.00	147.00
CQ00246	12.00	13.00			DSPLT	61.00	2.00	-5.00	1.00	90.00	30.00	110.00
CQ00247	13.00	14.00			DSPLT	48.00	2.00	-5.00	2.00	55.00	24.00	99.00
CQ00248	14.00	15.00			DSPLT	28.00	1.00	-5.00	1.00	19.00	13.00	65.00
CQ00249	15.00	16.00			DSPLT	75.00	2.00	-5.00	3.00	118.00	40.00	131.00
CQ00250	0.00	0.00	QS	LN1	STAND	15871.00	169.00	80.00	45.00	832.00	310.00	145.00
CQ00251	16.00	17.00			DSPLT	59.00	3.00	-5.00	2.00	69.00	29.00	106.00
CQ00252	17.00	18.00			DSPLT	37.00	1.00	-5.00	2.00	41.00	21.00	93.00
CQ00253	18.00	19.00			DSPLT	51.00	1.00	-5.00	2.00	57.00	26.00	118.00
CQ00254	19.00	20.00			DSPLT	25.00	-1.00	-5.00	2.00	29.00	15.00	66.00
CQ00255	20.00	21.00			DSPLT	41.00	1.00	-5.00	2.00	75.00	24.00	64.00
CQ00256	21.00	22.00			DSPLT	78.00	3.00	-5.00	4.00	169.00	49.00	134.00
CQ00258	23.00	24.00			DSPLT	39.00	3.00	-5.00	2.00	26.00	20.00	101.00
CQ00259	24.00	25.00			DSPLT	66.00	5.00	6.00	1.00	42.00	33.00	263.00
CQ00260	25.00	25.41			DSPLT	59.00	2.00	-5.00	5.00	94.00	31.00	597.00
CQ00261	25.00	25.41	SD	CQ00260	DSPLT	57.00	1.00	-5.00	2.00	90.00	28.00	222.00
CQ00262	25.00	25.41	R	CQ00260	DSPLT	57.00	2.00	-5.00	1.00	94.00	30.00	575.00
CQ00263	25.41	26.00			DSPLT	98.00	2.00	-5.00	2.00	112.00	46.00	146.00
CQ00264	26.00	27.00			DSPLT	100.00	3.00	-5.00	1.00	127.00	45.00	166.00
CQ00265	27.00	28.00			DSPLT	83.00	3.00	-5.00	2.00	89.00	38.00	120.00
CQ00266	28.00	29.00			DSPLT	83.00	3.00	-5.00	2.00	117.00	43.00	172.00
CQ00267	29.00	30.00			DSPLT	96.00	4.00	-5.00	3.00	167.00	51.00	209.00
CQ00268	30.00	30.50			DSPLT	177.00	4.00	-5.00	2.00	100.00	46.00	500.00
CQ00269	30.50	31.28			DSPLT	38.00	2.00	-5.00	2.00	116.00	28.00	233.00
CQ00270	31.28	32.00			DSPLT	147.00	5.00	8.00	2.00	128.00	55.00	234.00
CQ00271	32.00	33.00			DSPLT	117.00	4.00	8.00	2.00	100.00	52.00	271.00
CQ00272	33.00	34.00			DSPLT	111.00	5.00	7.00	2.00	100.00	50.00	152.00
CQ00273	34.00	35.00			DSPLT	118.00	4.00	7.00	15.00	94.00	50.00	189.00
CQ00274	35.00	36.00			DSPLT	89.00	3.00	5.00	2.00	63.00	36.00	101.00
CQ00275	0.00	0.00	QS	LN1	STAND	15972.00	169.00	78.00	47.00	842.00	314.00	147.00
CQ00276	36.00	37.00			DSPLT	92.00	4.00	6.00	-1.00	61.00	42.00	173.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00277	37.00	38.00			DSPLT	92.00	4.00	-5.00	-1.00	58.00	45.00	109.00
CQ00278	38.00	39.00			DSPLT	125.00	4.00	7.00	-1.00	80.00	55.00	149.00
CQ00279	39.00	40.00			DSPLT	113.00	4.00	7.00	1.00	73.00	52.00	50.00
CQ00280	40.00	41.00			DSPLT	115.00	4.00	7.00	-1.00	52.00	54.00	43.00
CQ00281	40.00	41.00	SD	CQ00280	DSPLT	118.00	4.00	-5.00	-1.00	78.00	51.00	44.00
CQ00282	40.00	41.00	R	CQ00280	DSPLT	112.00	5.00	5.00	-1.00	51.00	52.00	42.00
CQ00283	41.00	42.00			DSPLT	341.00	13.00	12.00	3.00	349.00	129.00	1051.00
CQ00284	42.00	43.00			DSPLT	157.00	2.00	-5.00	-1.00	119.00	67.00	303.00
CQ00285	43.00	44.00			DSPLT	197.00	6.00	9.00	3.00	202.00	81.00	259.00
CQ00286	44.00	45.00			DSPLT	146.00	2.00	-5.00	-1.00	132.00	66.00	479.00
CQ00287	45.00	46.00			DSPLT	292.00	4.00	-5.00	-1.00	247.00	104.00	129.00
CQ00288	46.00	46.40			DSPLT	27.00	2.00	-5.00	-1.00	85.00	35.00	124.00
CQ00289	46.40	46.88			DSPLT	376.00	9.00	5.00	3.00	209.00	110.00	60.00
CQ00290	46.88	47.40			DSPLT	206.00	2.00	-5.00	-1.00	75.00	44.00	56.00
CQ00291	47.40	48.00			DSPLT	327.00	2.00	-5.00	-1.00	99.00	40.00	44.00
CQ00292	48.00	49.00			DSPLT	273.00	1.00	-5.00	-1.00	39.00	40.00	38.00
CQ00293	49.00	50.00			DSPLT	164.00	-1.00	-5.00	-1.00	15.00	27.00	27.00
CQ00294	50.00	51.00			DSPLT	134.00	1.00	-5.00	-1.00	15.00	27.00	39.00
CQ00295	51.00	52.00			DSPLT	101.00	1.00	-5.00	1.00	20.00	25.00	38.00
CQ00296	54.00	55.00			DSPLT	184.00	-1.00	-5.00	-1.00	20.00	39.00	51.00
CQ00297	57.00	58.00			DSPLT	181.00	-1.00	-5.00	-1.00	10.00	38.00	58.00
CQ00298	60.00	61.00			DSPLT	114.00	-1.00	-5.00	2.00	17.00	31.00	57.00
CQ00299	63.00	64.00			DSPLT	125.00	-1.00	-5.00	-1.00	16.00	29.00	51.00
CQ00300	66.00	67.00			DSPLT	55.00	-1.00	-5.00	-1.00	18.00	50.00	104.00
CQ00301	66.00	67.00	SD	CQ00300	DSPLT	54.00	-1.00	-5.00	-1.00	18.00	53.00	110.00
CQ00302	66.00	67.00	R	CQ00300	DSPLT	57.00	-1.00	-5.00	-1.00	18.00	51.00	105.00
CQ00303	69.00	70.00			DSPLT	133.00	-1.00	-5.00	-1.00	17.00	33.00	47.00
CQ00304	72.00	73.00			DSPLT	96.00	-1.00	-5.00	-1.00	14.00	32.00	62.00
CQ00305	75.00	76.00			DSPLT	97.00	-1.00	-5.00	-1.00	15.00	27.00	45.00
CQ00306	78.00	79.00			DSPLT	96.00	-1.00	-5.00	1.00	41.00	37.00	62.00
CQ00307	81.00	82.00			DSPLT	156.00	-1.00	-5.00	-1.00	26.00	37.00	52.00
CQ00308	84.00	85.00			DSPLT	132.00	-1.00	-5.00	-1.00	12.00	35.00	46.00
CQ00309	87.00	88.00			DSPLT	142.00	-1.00	-5.00	-1.00	12.00	42.00	60.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00310	90.00	91.00			DSPLT	166.00	-1.00	-5.00	-1.00	14.00	39.00	52.00
CQ00311	93.00	94.00			DSPLT	144.00	1.00	-5.00	-1.00	24.00	38.00	59.00
CQ00312	96.00	97.00			DSPLT	130.00	-1.00	-5.00	3.00	20.00	38.00	57.00
CQ00313	99.00	100.00			DSPLT	129.00	-1.00	-5.00	-1.00	19.00	36.00	53.00
CQ00314	102.00	103.00			DSPLT	131.00	-1.00	-5.00	1.00	22.00	42.00	61.00
CQ00315	105.00	106.00			DSPLT	156.00	-1.00	-5.00	-1.00	24.00	41.00	58.00
CQ00316	108.00	109.00			DSPLT	136.00	-1.00	-5.00	-1.00	29.00	44.00	63.00
CQ00317	111.00	112.00			DSPLT	141.00	-1.00	-5.00	1.00	24.00	44.00	63.00
CQ00318	114.00	115.00			DSPLT	137.00	-1.00	-5.00	-1.00	24.00	49.00	72.00
CQ00319	117.00	118.00			DSPLT	153.00	-1.00	-5.00	1.00	24.00	46.00	67.00
CQ00320	120.00	121.00			DSPLT	150.00	-1.00	-5.00	-1.00	24.00	45.00	68.00
CQ00321	120.00	121.00	SD	CQ00320	DSPLT	139.00	-1.00	-5.00	-1.00	21.00	42.00	66.00
CQ00322	120.00	121.00	R	CQ00320	DSPLT	147.00	3.00	6.00	3.00	23.00	45.00	67.00
CQ00323	123.00	124.00			DSPLT	145.00	-1.00	-5.00	1.00	30.00	47.00	73.00
CQ00325	0.00	0.00	QS	LN1	STAND	15016.00	163.00	74.00	45.00	695.00	321.00	145.00
CQ00326	129.20	130.00			DSPLT	141.00	-1.00	-5.00	1.00	29.00	46.00	68.00
CQ00327	132.00	133.00			DSPLT	108.00	-1.00	-5.00	1.00	33.00	44.00	68.00
CQ00328	135.00	136.00			DSPLT	129.00	-1.00	-5.00	-1.00	35.00	48.00	72.00
CQ00329	138.00	139.00			DSPLT	111.00	-1.00	-5.00	-1.00	34.00	46.00	68.00
CQ00330	141.00	142.00			DSPLT	114.00	-1.00	-5.00	-1.00	33.00	46.00	71.00
CQ00331	144.00	145.00			DSPLT	97.00	-1.00	-5.00	1.00	42.00	45.00	73.00
CQ00332	147.00	148.00			DSPLT	56.00	-1.00	-5.00	-1.00	32.00	54.00	101.00
CQ00333	150.00	151.00			DSPLT	54.00	-1.00	-5.00	1.00	32.00	42.00	85.00
CQ00334	153.00	154.00			DSPLT	109.00	-1.00	-5.00	-1.00	42.00	44.00	67.00
CQ00335	156.00	157.00			DSPLT	106.00	1.00	-5.00	1.00	49.00	49.00	82.00
CQ00336	159.00	160.00			DSPLT	56.00	-1.00	-5.00	-1.00	53.00	71.00	120.00
CQ00337	162.00	163.00			DSPLT	31.00	-1.00	-5.00	-1.00	44.00	53.00	98.00
CQ00443	165.00	166.00			DSPLT	46.00	-1.00	-5.00	1.00	48.00	32.00	56.00
CQ00444	168.00	169.00			DSPLT	33.00	-1.00	-5.00	1.00	30.00	45.00	87.00
CQ00445	171.00	172.00			DSPLT	40.00	1.00	-5.00	-1.00	37.00	43.00	75.00
CQ00446	174.00	175.00			DSPLT	24.00	-1.00	-5.00	3.00	43.00	55.00	119.00
CQ00447	177.00	178.00			DSPLT	33.00	-1.00	-5.00	2.00	49.00	64.00	99.00
CQ00448	180.00	181.00			DSPLT	32.00	1.00	-5.00	1.00	44.00	64.00	98.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00449	183.00	184.00			DSPLT	36.00	-1.00	-5.00	-1.00	47.00	44.00	170.00
CQ00450	0.00	0.00	QS	LN1	STAND	15997.00	139.00	59.00	39.00	778.00	311.00	139.00
CQ00451	186.00	187.00			DSPLT	54.00	-1.00	-5.00	-1.00	59.00	62.00	69.00
CQ00452	189.00	190.00			DSPLT	130.00	-1.00	-5.00	-1.00	80.00	60.00	99.00
CQ00453	192.00	193.00			DSPLT	90.00	-1.00	-5.00	-1.00	59.00	53.00	101.00
CQ00454	195.00	196.00			DSPLT	115.00	-1.00	-5.00	-1.00	66.00	55.00	95.00
CQ00455	198.00	199.00			DSPLT	123.00	-1.00	-5.00	-1.00	84.00	71.00	128.00
CQ00456	201.00	202.00			DSPLT	133.00	-1.00	-5.00	-1.00	75.00	67.00	118.00
CQ00457	204.00	205.00			DSPLT	162.00	-1.00	-5.00	-1.00	91.00	75.00	119.00
CQ00458	207.00	208.00			DSPLT	58.00	-1.00	-5.00	-1.00	52.00	51.00	91.00
CQ00459	210.00	211.00			DSPLT	123.00	-1.00	-5.00	-1.00	37.00	47.00	81.00
CQ00460	213.00	214.00			DSPLT	128.00	-1.00	-5.00	-1.00	38.00	50.00	92.00
CQ00461	213.00	214.00	SD	CQ00460	DSPLT	125.00	-1.00	-5.00	-1.00	37.00	49.00	85.00
CQ00462	213.00	214.00	R	CQ00460	DSPLT	127.00	-1.00	-5.00	-1.00	38.00	50.00	90.00
CQ00463	216.00	217.00			DSPLT	126.00	-1.00	-5.00	-1.00	44.00	46.00	85.00
CQ00464	219.00	220.00			DSPLT	101.00	-1.00	-5.00	-1.00	58.00	50.00	84.00
CQ00465	222.00	223.00			DSPLT	144.00	-1.00	-5.00	-1.00	36.00	45.00	82.00
CQ00466	225.00	226.00			DSPLT	206.00	-1.00	-5.00	-1.00	46.00	57.00	94.00
CQ00467	228.00	229.00			DSPLT	130.00	-1.00	-5.00	-1.00	58.00	50.00	91.00
CQ00468	231.00	232.00			DSPLT	48.00	-1.00	-5.00	-1.00	34.00	44.00	90.00
CQ00469	234.00	235.00			DSPLT	197.00	-1.00	-5.00	-1.00	31.00	45.00	66.00
CQ00470	237.00	238.00			DSPLT	194.00	-1.00	-5.00	-1.00	29.00	44.00	64.00
CQ00471	240.00	241.00			DSPLT	165.00	-1.00	-5.00	-1.00	27.00	42.00	65.00
CQ00472	243.00	244.00			DSPLT	155.00	-1.00	-5.00	-1.00	25.00	40.00	62.00
CQ00473	246.00	247.00			DSPLT	186.00	-1.00	-5.00	-1.00	29.00	45.00	69.00
CQ00474	249.00	250.00			DSPLT	178.00	-1.00	-5.00	-1.00	27.00	44.00	69.00
CQ00475	0.00	0.00	QS	LN1	STAND	15296.00	144.00	67.00	40.00	738.00	319.00	152.00
CQ00476	252.00	253.00			DSPLT	169.00	-1.00	-5.00	-1.00	28.00	44.00	69.00
CQ00477	255.00	256.00			DSPLT	182.00	-1.00	-5.00	-1.00	30.00	46.00	70.00
CQ00478	258.00	259.00			DSPLT	180.00	-1.00	-5.00	-1.00	27.00	44.00	69.00
CQ00479	261.00	262.00			DSPLT	190.00	-1.00	-5.00	-1.00	26.00	45.00	72.00
CQ00480	264.00	265.00			DSPLT	178.00	-1.00	-5.00	-1.00	25.00	42.00	65.00
CQ00481	264.00	265.00	SD	CQ00480	DSPLT	185.00	-1.00	-5.00	-1.00	25.00	43.00	69.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00482	264.00	265.00	R	CQ00480	DSPLT	184.00	-1.00	-5.00	-1.00	26.00	44.00	67.00
CQ00483	267.00	268.00			DSPLT	194.00	-1.00	-5.00	-1.00	26.00	44.00	67.00
CQ00484	270.00	271.00			DSPLT	178.00	-1.00	-5.00	-1.00	24.00	43.00	69.00
CQ00485	273.00	274.00			DSPLT	194.00	-1.00	-5.00	-1.00	25.00	46.00	72.00
CQ00486	276.00	277.00			DSPLT	194.00	-1.00	-5.00	-1.00	24.00	44.00	69.00
CQ00487	279.00	280.00			DSPLT	174.00	-1.00	-5.00	-1.00	22.00	40.00	67.00
CQ00488	282.00	283.00			DSPLT	183.00	-1.00	-5.00	-1.00	24.00	43.00	73.00
CQ00489	285.00	286.00			DSPLT	172.00	1.00	-5.00	-1.00	22.00	42.00	71.00
CQ00490	288.00	289.00			DSPLT	174.00	-1.00	-5.00	-1.00	26.00	42.00	73.00
CQ00491	291.00	292.00			DSPLT	164.00	-1.00	-5.00	-1.00	27.00	41.00	72.00
CQ00492	294.00	295.00			DSPLT	140.00	-1.00	-5.00	-1.00	23.00	40.00	72.00
CQ00493	297.00	298.00			DSPLT	296.00	-1.00	-5.00	-1.00	40.00	55.00	88.00
CQ00494	300.00	301.00			DSPLT	164.00	-1.00	-5.00	-1.00	27.00	40.00	74.00
CQ00495	303.00	304.00			DSPLT	144.00	-1.00	-5.00	-1.00	30.00	36.00	65.00
CQ00496	306.00	307.00			DSPLT	167.00	-1.00	-5.00	-1.00	47.00	43.00	73.00
CQ00497	309.00	310.00			DSPLT	106.00	-1.00	-5.00	-1.00	39.00	37.00	70.00
CQ00498	312.00	313.00			DSPLT	155.00	-1.00	-5.00	-1.00	23.00	42.00	77.00
CQ00499	315.00	316.00			DSPLT	157.00	-1.00	-5.00	-1.00	32.00	40.00	71.00
CQ00500	318.00	319.00			DSPLT	374.00	-1.00	-5.00	-1.00	46.00	62.00	91.00
CQ00501	318.00	319.00	SD	CQ00500	DSPLT	379.00	-1.00	-5.00	-1.00	48.00	63.00	92.00
CQ00502	318.00	319.00	R	CQ00500	DSPLT	373.00	-1.00	6.00	-1.00	46.00	62.00	91.00
CQ00503	321.00	322.00			DSPLT	191.00	-1.00	-5.00	3.00	29.00	43.00	70.00
CQ00504	324.00	325.00			DSPLT	157.00	-1.00	-5.00	2.00	25.00	40.00	67.00
CQ00505	327.00	328.00			DSPLT	168.00	-1.00	-5.00	-1.00	24.00	39.00	66.00
CQ00506	330.00	331.00			DSPLT	154.00	-1.00	-5.00	-1.00	23.00	39.00	68.00
CQ00507	333.00	334.00			DSPLT	204.00	-1.00	-5.00	-1.00	25.00	41.00	64.00
CQ00508	336.00	337.00			DSPLT	211.00	-1.00	-5.00	-1.00	25.00	44.00	67.00
CQ00509	339.00	340.00			DSPLT	264.00	-1.00	-5.00	-1.00	30.00	49.00	73.00
CQ00510	342.00	343.00			DSPLT	195.00	-1.00	-5.00	-1.00	26.00	41.00	64.00
CQ00511	345.00	346.00			DSPLT	219.00	-1.00	-5.00	-1.00	28.00	46.00	71.00
CQ00512	348.00	349.00			DSPLT	208.00	-1.00	-5.00	-1.00	26.00	44.00	69.00
CQ00513	351.00	352.00			DSPLT	180.00	-1.00	-5.00	-1.00	26.00	42.00	66.00
CQ00514	354.00	355.00			DSPLT	172.00	-1.00	-5.00	-1.00	24.00	38.00	59.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00515	357.00	358.00			DSPLT	184.00	-1.00	-5.00	-1.00	25.00	41.00	65.00
CQ00516	360.00	361.00			DSPLT	159.00	-1.00	5.00	-1.00	22.00	36.00	58.00
CQ00517	363.00	364.00			DSPLT	191.00	-1.00	-5.00	-1.00	22.00	41.00	64.00
CQ00518	366.00	367.00			DSPLT	186.00	-1.00	-5.00	-1.00	20.00	40.00	63.00
CQ00519	369.00	370.00			DSPLT	188.00	-1.00	-5.00	-1.00	21.00	41.00	66.00
CQ00520	372.00	373.00			DSPLT	210.00	-1.00	-5.00	-1.00	25.00	43.00	70.00
CQ00521	372.00	373.00	SD	CQ00520	DSPLT	200.00	-1.00	-5.00	-1.00	24.00	41.00	65.00
CQ00522	372.00	373.00	R	CQ00520	DSPLT	205.00	-1.00	-5.00	-1.00	24.00	42.00	68.00
CQ00523	375.00	376.00			DSPLT	168.00	-1.00	-5.00	-1.00	24.00	36.00	57.00
CQ00524	378.00	379.00			DSPLT	182.00	-1.00	-5.00	-1.00	31.00	41.00	64.00
CQ00525	0.00	0.00	QS	LN1	STAND	15124.00	158.00	71.00	42.00	724.00	315.00	149.00
CQ00526	381.00	382.00			DSPLT	210.00	-1.00	-5.00	-1.00	23.00	41.00	64.00
CQ00527	384.00	385.00			DSPLT	173.00	-1.00	-5.00	-1.00	19.00	38.00	59.00
CQ00528	387.00	388.00			DSPLT	251.00	-1.00	-5.00	-1.00	25.00	45.00	66.00
CQ00529	390.00	391.00			DSPLT	201.00	-1.00	-5.00	-1.00	21.00	41.00	65.00
CQ00530	393.00	394.00			DSPLT	243.00	-1.00	-5.00	-1.00	22.00	44.00	67.00
CQ00531	396.00	397.00			DSPLT	239.00	-1.00	-5.00	-1.00	24.00	44.00	64.00
CQ00532	399.00	400.00			DSPLT	203.00	-1.00	-5.00	-1.00	21.00	39.00	59.00
CQ00533	402.00	403.00			DSPLT	208.00	-1.00	-5.00	-1.00	22.00	39.00	59.00
CQ00534	405.00	406.00			DSPLT	266.00	-1.00	-5.00	-1.00	25.00	45.00	68.00
CQ00535	408.00	409.00			DSPLT	216.00	-1.00	-5.00	-1.00	24.00	41.00	60.00
CQ00536	411.00	412.00			DSPLT	210.00	-1.00	-5.00	-1.00	24.00	41.00	63.00
CQ00537	414.00	415.00			DSPLT	312.00	-1.00	-5.00	-1.00	28.00	52.00	75.00
CQ00538	417.00	418.00			DSPLT	248.00	-1.00	-5.00	-1.00	27.00	46.00	68.00
CQ00539	420.00	421.00			DSPLT	220.00	-1.00	-5.00	1.00	26.00	44.00	65.00
CQ00540	423.00	424.00			DSPLT	204.00	-1.00	-5.00	-1.00	26.00	43.00	66.00
CQ00541	423.00	424.00	SD	CQ00540	DSPLT	198.00	-1.00	-5.00	1.00	25.00	40.00	63.00
CQ00542	423.00	424.00	R	CQ00540	DSPLT	188.00	-1.00	-5.00	-1.00	24.00	39.00	60.00
CQ00543	426.00	427.00			DSPLT	276.00	-1.00	-5.00	-1.00	24.00	45.00	65.00
CQ00544	429.00	430.00			DSPLT	196.00	-1.00	-5.00	1.00	23.00	40.00	60.00
CQ00545	432.00	433.00			DSPLT	292.00	-1.00	-5.00	-1.00	23.00	48.00	69.00
CQ00546	435.00	436.00			DSPLT	229.00	-1.00	-5.00	-1.00	26.00	42.00	59.00
CQ00547	438.00	439.00			DSPLT	220.00	-1.00	-5.00	-1.00	23.00	41.00	62.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00548	441.00	442.00			DSPLT	213.00	-1.00	-5.00	1.00	22.00	42.00	62.00
CQ00549	444.00	445.00			DSPLT	227.00	-1.00	-5.00	-1.00	28.00	45.00	70.00
CQ00550	0.00	0.00	QS	LN1	STAND	15582.00	170.00	78.00	47.00	748.00	317.00	149.00
CQ00551	447.00	448.00			DSPLT	228.00	-1.00	-5.00	2.00	24.00	41.00	63.00
CQ00552	450.00	451.00			DSPLT	204.00	-1.00	-5.00	1.00	23.00	39.00	59.00
CQ00553	453.00	454.00			DSPLT	199.00	-1.00	-5.00	-1.00	24.00	42.00	66.00
CQ00554	456.00	457.00			DSPLT	231.00	-1.00	-5.00	-1.00	24.00	43.00	64.00
CQ00555	459.00	460.00			DSPLT	253.00	-1.00	-5.00	-1.00	23.00	42.00	61.00
CQ00556	462.00	463.00			DSPLT	276.00	-1.00	6.00	-1.00	26.00	48.00	69.00
CQ00557	465.00	466.00			DSPLT	241.00	-1.00	-5.00	-1.00	25.00	45.00	67.00
CQ00558	468.00	469.00			DSPLT	228.00	-1.00	-5.00	-1.00	23.00	41.00	60.00
CQ00559	471.00	472.00			DSPLT	216.00	-1.00	-5.00	-1.00	20.00	38.00	52.00
CQ00560	474.00	475.00			DSPLT	218.00	2.00	-5.00	-1.00	18.00	37.00	51.00
CQ00561	474.00	475.00	SD	CQ00560	DSPLT	227.00	2.00	-5.00	-1.00	19.00	39.00	52.00
CQ00562	474.00	475.00	R	CQ00560	DSPLT	239.00	3.00	-5.00	1.00	20.00	41.00	56.00
CQ00563	477.00	478.00			DSPLT	226.00	-1.00	-5.00	-1.00	24.00	41.00	57.00
CQ00564	480.00	481.00			DSPLT	224.00	-1.00	-5.00	2.00	24.00	39.00	52.00
CQ00565	483.00	484.00			DSPLT	270.00	2.00	-5.00	-1.00	29.00	42.00	53.00
CQ00566	486.00	487.00			DSPLT	259.00	-1.00	-5.00	2.00	26.00	41.00	50.00
CQ00644	489.00	490.00			DSPLT	264.00	-1.00	-5.00	-1.00	27.00	51.00	52.00
CQ00645	492.00	493.00			DSPLT	264.00	1.00	-5.00	1.00	29.00	50.00	49.00
CQ00646	495.00	496.00			DSPLT	276.00	-1.00	-5.00	-1.00	36.00	56.00	57.00
CQ00647	498.00	499.00			DSPLT	296.00	2.00	-5.00	-1.00	39.00	58.00	59.00
CQ00648	501.00	502.00			DSPLT	221.00	2.00	-5.00	1.00	33.00	46.00	51.00
CQ00649	504.00	505.00			DSPLT	203.00	3.00	-5.00	1.00	33.00	44.00	51.00
CQ00650	0.00	0.00	QS	LN1	STAND	15052.00	170.00	77.00	47.00	745.00	381.00	151.00
CQ00651	507.00	508.00			DSPLT	217.00	2.00	-5.00	-1.00	38.00	48.00	56.00
CQ00652	510.00	511.00			DSPLT	215.00	2.00	-5.00	-1.00	38.00	49.00	56.00
CQ00653	513.00	514.00			DSPLT	208.00	2.00	-5.00	2.00	36.00	51.00	63.00
CQ00654	514.00	515.00			DSPLT	208.00	2.00	-5.00	1.00	33.00	51.00	62.00
CQ00655	515.00	516.00			DSPLT	177.00	2.00	-5.00	-1.00	38.00	48.00	63.00
CQ00656	516.00	517.00			DSPLT	168.00	3.00	-5.00	2.00	41.00	50.00	68.00
CQ00657	517.00	518.00			DSPLT	185.00	3.00	-5.00	-1.00	39.00	49.00	63.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00658	518.00	518.47			DSPLT	1353.00	40.00	10.00	8.00	668.00	84.00	87.00
CQ00659	518.47	518.87			DSPLT	1573.00	22.00	10.00	8.00	666.00	143.00	155.00
CQ00660	518.87	519.12			DSPLT	870.00	11.00	-5.00	3.00	324.00	93.00	102.00
CQ00661	518.87	519.12	SD	CQ00660	DSPLT	916.00	13.00	-5.00	4.00	400.00	90.00	133.00
CQ00662	518.87	519.12	R	CQ00660	DSPLT	857.00	11.00	-5.00	4.00	323.00	91.00	101.00
CQ00663	519.12	519.60			DSPLT	937.00	12.00	10.00	7.00	631.00	131.00	255.00
CQ00664	519.60	519.71			DSPLT	917.00	12.00	13.00	7.00	419.00	115.00	125.00
CQ00665	519.71	519.84			DSPLT	608.00	10.00	16.00	4.00	443.00	121.00	295.00
CQ00666	519.84	520.13			DSPLT	1472.00	19.00	8.00	6.00	697.00	116.00	112.00
CQ00667	520.13	520.22			DSPLT	1077.00	9.00	6.00	6.00	437.00	161.00	311.00
CQ00668	520.22	520.44			DSPLT	2023.00	10.00	8.00	20.00	1271.00	236.00	163.00
CQ00669	520.44	521.00			DSPLT	236.00	5.00	9.00	4.00	243.00	105.00	183.00
CQ00670	521.00	522.00			DSPLT	314.00	11.00	9.00	2.00	295.00	119.00	147.00
CQ00671	522.00	523.00			DSPLT	152.00	8.00	-5.00	-1.00	144.00	77.00	118.00
CQ00672	523.00	524.00			DSPLT	200.00	8.00	8.00	1.00	193.00	89.00	100.00
CQ00673	524.00	525.00			DSPLT	209.00	7.00	8.00	2.00	250.00	98.00	130.00
CQ00674	525.00	526.00			DSPLT	184.00	5.00	-5.00	1.00	176.00	98.00	120.00
CQ00675	0.00	0.00	QS	LN1	STAND	13399.00	157.00	71.00	43.00	663.00	337.00	134.00
CQ00676	526.00	527.00			DSPLT	204.00	7.00	10.00	4.00	176.00	105.00	115.00
CQ00677	527.00	527.77			DSPLT	182.00	6.00	-5.00	3.00	205.00	96.00	242.00
CQ00678	527.77	528.52			DSPLT	220.00	6.00	6.00	2.00	86.00	44.00	63.00
CQ00679	528.52	529.50			DSPLT	323.00	9.00	6.00	2.00	190.00	85.00	73.00
CQ00680	529.50	530.50			DSPLT	729.00	16.00	8.00	4.00	434.00	141.00	78.00
CQ00681	529.50	530.50	SD	CQ00680	DSPLT	719.00	14.00	7.00	4.00	385.00	130.00	81.00
CQ00682	529.50	530.50	R	CQ00680	DSPLT	716.00	16.00	10.00	4.00	434.00	140.00	77.00
CQ00683	530.50	531.00			DSPLT	352.00	4.00	-5.00	5.00	138.00	71.00	61.00
CQ00684	531.00	532.00			DSPLT	243.00	4.00	-5.00	4.00	77.00	51.00	59.00
CQ00685	532.00	533.00			DSPLT	357.00	6.00	-5.00	4.00	147.00	57.00	60.00
CQ00686	533.00	534.00			DSPLT	357.00	4.00	-5.00	4.00	187.00	48.00	49.00
CQ00687	534.00	535.00			DSPLT	215.00	3.00	-5.00	3.00	38.00	49.00	50.00
CQ00688	535.00	536.00			DSPLT	188.00	1.00	-5.00	3.00	27.00	45.00	44.00
CQ00689	536.00	537.00			DSPLT	461.00	9.00	-5.00	5.00	269.00	54.00	51.00
CQ00690	537.00	537.57			DSPLT	512.00	5.00	-5.00	3.00	345.00	57.00	63.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00691	537.57	538.00			DSPLT	814.00	14.00	-5.00	6.00	572.00	77.00	83.00
CQ00692	538.00	539.00			DSPLT	1500.00	30.00	9.00	14.00	1191.00	83.00	66.00
CQ00693	539.00	540.00			DSPLT	2518.00	44.00	10.00	12.00	1712.00	118.00	69.00
CQ00694	540.00	541.00			DSPLT	335.00	4.00	-5.00	2.00	168.00	54.00	48.00
CQ00695	541.00	542.00			DSPLT	162.00	1.00	-5.00	2.00	21.00	51.00	50.00
CQ00696	542.00	543.00			DSPLT	332.00	6.00	-5.00	3.00	203.00	66.00	72.00
CQ00697	543.00	544.00			DSPLT	895.00	13.00	-5.00	4.00	919.00	80.00	70.00
CQ00698	544.00	545.00			DSPLT	837.00	29.00	12.00	9.00	705.00	75.00	62.00
CQ00699	545.00	546.00			DSPLT	1192.00	21.00	6.00	6.00	866.00	106.00	73.00
CQ00700	546.00	547.00			DSPLT	1923.00	43.00	14.00	9.00	1513.00	124.00	80.00
CQ00701	546.00	547.00	SD	CQ00700	DSPLT	1699.00	40.00	10.00	8.00	1379.00	113.00	74.00
CQ00702	546.00	547.00	R	CQ00700	DSPLT	1861.00	44.00	12.00	9.00	1505.00	123.00	81.00
CQ00703	547.00	548.00			DSPLT	1444.00	25.00	10.00	7.00	1219.00	110.00	79.00
CQ00704	548.00	548.50			DSPLT	1506.00	32.00	7.00	6.00	1169.00	113.00	61.00
CQ00705	548.50	549.17			DSPLT	2930.00	54.00	19.00	18.00	2707.00	193.00	89.00
CQ00706	549.17	550.00			DSPLT	1065.00	14.00	-5.00	5.00	977.00	104.00	59.00
CQ00707	550.00	551.00			DSPLT	1804.00	26.00	7.00	6.00	1818.00	151.00	79.00
CQ00708	551.00	552.00			DSPLT	717.00	10.00	-5.00	3.00	624.00	85.00	58.00
CQ00709	552.00	552.90			DSPLT	434.00	5.00	-5.00	2.00	478.00	73.00	54.00
CQ00710	552.90	554.00			DSPLT	302.00	4.00	-5.00	2.00	265.00	60.00	55.00
CQ00711	554.00	555.00			DSPLT	309.00	2.00	-5.00	1.00	292.00	52.00	47.00
CQ00712	555.00	556.00			DSPLT	171.00	8.00	-5.00	3.00	120.00	36.00	45.00
CQ00713	556.00	557.00			DSPLT	631.00	2.00	-5.00	2.00	546.00	71.00	60.00
CQ00714	557.00	558.00			DSPLT	144.00	-1.00	-5.00	-1.00	126.00	34.00	45.00
CQ00715	558.00	559.00			DSPLT	1693.00	8.00	-5.00	3.00	1264.00	129.00	63.00
CQ00716	559.00	560.00			DSPLT	2190.00	18.00	10.00	6.00	2024.00	149.00	72.00
CQ00717	560.00	561.13			DSPLT	60.00	5.00	-5.00	3.00	170.00	11.00	144.00
CQ00718	561.13	562.00			DSPLT	185.00	14.00	10.00	4.00	377.00	49.00	88.00
CQ00719	562.00	563.00			DSPLT	1458.00	15.00	11.00	4.00	945.00	109.00	89.00
CQ00720	563.00	564.00			DSPLT	5774.00	65.00	25.00	7.00	2976.00	316.00	92.00
CQ00721	563.00	564.00	SD	CQ00721	DSPLT	5582.00	61.00	30.00	5.00	3965.00	308.00	96.00
CQ00722	563.00	564.00	R	CQ00721	DSPLT	5607.00	64.00	27.00	12.00	2874.00	309.00	90.00
CQ00723	564.00	564.70			DSPLT	5508.00	77.00	31.00	12.00	4857.00	255.00	103.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00724	564.70	565.16			DSPLT	1218.00	15.00	-5.00	6.00	2037.00	47.00	67.00
CQ00725	0.00	0.00	QS	LN1	STAND	12114.00	165.00	72.00	46.00	635.00	328.00	120.00
CQ00726	565.16	566.00			DSPLT	425.00	22.00	10.00	59.00	1555.00	19.00	58.00
CQ00727	566.00	567.00			DSPLT	66.00	3.00	-5.00	2.00	295.00	10.00	42.00
CQ00728	567.00	568.00			DSPLT	71.00	3.00	-5.00	2.00	201.00	13.00	55.00
CQ00729	568.00	569.00			DSPLT	401.00	25.00	14.00	8.00	1457.00	16.00	47.00
CQ00730	569.00	570.00			DSPLT	203.00	16.00	9.00	6.00	814.00	11.00	42.00
CQ00257	22.00	23.00			DSPLT							

DOWN HOLE SURVEY

HOLE ID	DEPTH	AZIMUTH	DIP	TYPE
QPD01003	0.00	270.00	-76.00	DM
QPD01003	3.00	269.91	-76.03	MB
QPD01003	6.00	269.94	-76.03	MB
QPD01003	9.00	270.04	-76.00	MB
QPD01003	12.00	270.07	-76.01	MB
QPD01003	15.00	270.24	-76.01	MB
QPD01003	18.00	270.27	-76.01	MB
QPD01003	21.00	270.34	-76.02	MB
QPD01003	24.00	270.47	-76.04	MB
QPD01003	27.00	270.55	-76.07	MB
QPD01003	30.00	270.63	-76.11	MB
QPD01003	33.00	270.72	-76.14	MB
QPD01003	36.00	271.00	-76.13	MB
QPD01003	39.00	271.14	-76.13	MB
QPD01003	42.00	271.12	-76.14	MB
QPD01003	45.00	271.08	-76.13	MB
QPD01003	48.00	271.08	-76.12	MB
QPD01003	51.00	270.98	-76.15	MB
QPD01003	54.00	270.98	-76.16	MB
QPD01003	57.00	270.92	-76.18	MB
QPD01003	60.00	270.82	-76.23	MB
QPD01003	63.00	270.70	-76.32	MB
QPD01003	66.00	270.46	-76.43	MB
QPD01003	69.00	269.74	-76.52	MB
QPD01003	72.00	269.48	-76.64	MB
QPD01003	75.00	269.15	-76.79	MB
QPD01003	78.00	268.39	-76.86	MB
QPD01003	81.00	267.93	-76.98	MB
QPD01003	84.00	267.25	-76.99	MB
QPD01003	87.00	266.97	-77.01	MB
QPD01003	90.00	266.63	-77.02	MB
QPD01003	93.00	266.45	-77.03	MB
QPD01003	96.00	266.18	-77.03	MB
QPD01003	99.00	266.03	-77.01	MB
QPD01003	102.00	265.90	-76.99	MB
QPD01003	105.00	265.73	-76.99	MB
QPD01003	108.00	265.62	-76.98	MB
QPD01003	111.00	265.36	-76.97	MB
QPD01003	114.00	265.20	-76.97	MB
QPD01003	117.00	264.99	-77.00	MB
QPD01003	120.00	264.78	-77.02	MB
QPD01003	123.00	264.56	-77.03	MB
QPD01003	126.00	264.47	-77.04	MB
QPD01003	129.00	264.50	-77.04	MB
QPD01003	132.00	264.58	-77.02	MB
QPD01003	135.00	264.50	-77.00	MB
QPD01003	138.00	264.45	-77.00	MB
QPD01003	141.00	264.52	-77.01	MB

QPD01003	144.00	264.50	-77.04	MB
QPD01003	147.00	264.46	-77.04	MB
QPD01003	150.00	264.29	-77.05	MB
QPD01003	153.00	264.41	-77.07	MB
QPD01003	156.00	264.50	-77.08	MB
QPD01003	159.00	264.48	-77.11	MB
QPD01003	162.00	264.50	-77.12	MB
QPD01003	165.00	264.62	-77.12	MB
QPD01003	168.00	264.74	-77.12	MB
QPD01003	171.00	264.87	-77.13	MB
QPD01003	174.00	264.97	-77.13	MB
QPD01003	177.00	265.00	-77.13	MB
QPD01003	180.00	265.12	-77.14	MB
QPD01003	183.00	265.33	-77.12	MB
QPD01003	186.00	265.32	-77.12	MB
QPD01003	189.00	265.39	-77.12	MB
QPD01003	192.00	265.42	-77.12	MB
QPD01003	195.00	265.49	-77.13	MB
QPD01003	198.00	265.49	-77.12	MB
QPD01003	201.00	265.61	-77.12	MB
QPD01003	204.00	265.79	-77.14	MB
QPD01003	207.00	265.89	-77.15	MB
QPD01003	210.00	266.05	-77.17	MB
QPD01003	213.00	266.29	-77.17	MB
QPD01003	216.00	266.46	-77.17	MB
QPD01003	219.00	266.73	-77.20	MB
QPD01003	222.00	266.90	-77.22	MB
QPD01003	225.00	267.09	-77.21	MB
QPD01003	228.00	267.38	-77.25	MB
QPD01003	231.00	267.51	-77.30	MB
QPD01003	234.00	267.64	-77.34	MB
QPD01003	237.00	267.86	-77.35	MB
QPD01003	240.00	268.05	-77.38	MB
QPD01003	243.00	268.30	-77.40	MB
QPD01003	246.00	268.61	-77.44	MB
QPD01003	249.00	268.73	-77.48	MB
QPD01003	252.00	268.95	-77.47	MB
QPD01003	255.00	269.20	-77.48	MB
QPD01003	258.00	269.45	-77.49	MB
QPD01003	261.00	269.48	-77.52	MB
QPD01003	264.00	269.65	-77.51	MB
QPD01003	267.00	269.67	-77.52	MB
QPD01003	270.00	269.76	-77.55	MB
QPD01003	273.00	269.81	-77.55	MB
QPD01003	276.00	269.83	-77.54	MB
QPD01003	279.00	269.99	-77.54	MB
QPD01003	282.00	270.03	-77.54	MB
QPD01003	285.00	270.14	-77.55	MB
QPD01003	288.00	270.23	-77.57	MB
QPD01003	291.00	270.34	-77.56	MB
QPD01003	294.00	270.34	-77.57	MB
QPD01003	297.00	270.32	-77.56	MB

QPD01003	300.00	270.41	-77.55	MB
QPD01003	303.00	270.39	-77.55	MB
QPD01003	306.00	270.50	-77.56	MB
QPD01003	309.00	270.48	-77.58	MB
QPD01003	312.00	270.62	-77.56	MB
QPD01003	315.00	270.80	-77.54	MB
QPD01003	318.00	270.91	-77.54	MB
QPD01003	321.00	270.98	-77.53	MB
QPD01003	324.00	271.02	-77.52	MB
QPD01003	327.00	271.06	-77.51	MB
QPD01003	330.00	270.97	-77.49	MB
QPD01003	333.00	270.98	-77.48	MB
QPD01003	336.00	271.17	-77.49	MB
QPD01003	339.00	271.19	-77.49	MB
QPD01003	342.00	271.25	-77.48	MB
QPD01003	345.00	271.30	-77.48	MB
QPD01003	348.00	271.49	-77.46	MB
QPD01003	351.00	271.74	-77.47	MB
QPD01003	354.00	271.75	-77.45	MB
QPD01003	357.00	271.58	-77.49	MB
QPD01003	360.00	271.74	-77.49	MB
QPD01003	363.00	271.88	-77.49	MB
QPD01003	366.00	272.04	-77.49	MB
QPD01003	369.00	272.06	-77.48	MB
QPD01003	372.00	272.01	-77.48	MB
QPD01003	375.00	272.01	-77.51	MB
QPD01003	378.00	272.25	-77.50	MB
QPD01003	381.00	272.40	-77.50	MB
QPD01003	384.00	272.41	-77.50	MB
QPD01003	387.00	272.49	-77.47	MB
QPD01003	390.00	272.67	-77.46	MB
QPD01003	393.00	272.87	-77.45	MB
QPD01003	396.00	272.73	-77.45	MB
QPD01003	399.00	272.74	-77.48	MB
QPD01003	402.00	272.81	-77.48	MB
QPD01003	405.00	272.97	-77.50	MB
QPD01003	408.00	273.21	-77.48	MB
QPD01003	411.00	273.33	-77.46	MB
QPD01003	414.00	273.59	-77.46	MB
QPD01003	417.00	273.93	-77.45	MB
QPD01003	420.00	274.04	-77.43	MB
QPD01003	423.00	274.02	-77.44	MB
QPD01003	426.00	274.17	-77.43	MB
QPD01003	429.00	274.42	-77.40	MB
QPD01003	432.00	274.59	-77.38	MB
QPD01003	435.00	274.52	-77.36	MB
QPD01003	438.00	274.54	-77.37	MB
QPD01003	441.00	274.72	-77.35	MB
QPD01003	444.00	274.75	-77.33	MB
QPD01003	447.00	275.01	-77.31	MB
QPD01003	450.00	275.20	-77.30	MB
QPD01003	453.00	275.22	-77.29	MB

QPD01003	456.00	275.35	-77.30	MB
QPD01003	459.00	275.48	-77.28	MB
QPD01003	462.00	275.41	-77.28	MB
QPD01003	465.00	275.45	-77.30	MB
QPD01003	468.00	275.58	-77.30	MB
QPD01003	471.00	275.83	-77.28	MB
QPD01003	474.00	276.00	-77.26	MB
QPD01003	477.00	276.19	-77.24	MB
QPD01003	480.00	276.19	-77.23	MB
QPD01003	483.00	276.27	-77.22	MB
QPD01003	486.00	276.39	-77.22	MB
QPD01003	489.00	276.54	-77.20	MB
QPD01003	492.00	276.71	-77.21	MB
QPD01003	495.00	276.74	-77.20	MB
QPD01003	498.00	276.96	-77.16	MB
QPD01003	501.00	276.98	-77.14	MB
QPD01003	504.00	277.12	-77.15	MB
QPD01003	507.00	277.22	-77.12	MB
QPD01003	510.00	277.34	-77.11	MB
QPD01003	513.00	277.54	-77.09	MB
QPD01003	516.00	277.53	-77.08	MB
QPD01003	519.00	277.70	-77.06	MB
QPD01003	522.00	277.70	-77.06	MB
QPD01003	525.00	277.84	-77.03	MB
QPD01003	528.00	277.92	-77.04	MB
QPD01003	531.00	278.20	-76.99	MB
QPD01003	534.00	278.24	-77.00	MB
QPD01003	537.00	278.20	-77.03	MB
QPD01003	540.00	278.39	-77.01	MB
QPD01003	543.00	278.38	-76.99	MB
QPD01003	546.00	278.37	-77.01	MB
QPD01003	549.00	278.43	-77.00	MB
QPD01003	552.00	278.62	-77.00	MB
QPD01003	555.00	278.81	-77.00	MB
QPD01003	558.00	278.92	-76.98	MB
QPD01003	561.00	278.89	-77.00	MB
QPD01003	564.00	278.96	-76.99	MB
QPD01003	567.00	279.08	-76.85	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01003	3.00	16.00
QPD01003	4.00	0.00
QPD01003	5.00	4.00
QPD01003	6.00	21.00
QPD01003	7.00	20.00
QPD01003	8.00	5.00
QPD01003	9.00	0.00
QPD01003	10.00	0.00
QPD01003	11.00	0.00
QPD01003	12.00	180.00
QPD01003	13.00	1.00
QPD01003	14.00	0.00
QPD01003	15.00	0.00
QPD01003	16.00	0.00
QPD01003	17.00	0.00
QPD01003	18.00	0.00
QPD01003	19.00	0.00
QPD01003	20.00	0.00
QPD01003	21.00	470.00
QPD01003	22.00	286.00
QPD01003	23.00	59.00
QPD01003	24.00	0.00
QPD01003	25.00	95.00
QPD01003	26.00	914.00
QPD01003	27.00	530.00
QPD01003	28.00	570.00
QPD01003	29.00	1275.00
QPD01003	30.00	330.00
QPD01003	31.00	0.00
QPD01003	32.00	0.00
QPD01003	33.00	0.00
QPD01003	34.00	0.00
QPD01003	35.00	0.00
QPD01003	36.00	0.00
QPD01003	37.00	0.00
QPD01003	38.00	0.00
QPD01003	39.00	0.00
QPD01003	40.00	0.00
QPD01003	41.00	0.00
QPD01003	42.00	430.00
QPD01003	43.00	300.00
QPD01003	44.00	0.00
QPD01003	45.00	0.00
QPD01003	46.00	0.00
QPD01003	47.00	0.00
QPD01003	48.00	0.00
QPD01003	49.00	0.00
QPD01003	50.00	355.00

QPD01003	51.00	0.00
QPD01003	52.00	140.00
QPD01003	53.00	460.00
QPD01003	54.00	460.00
QPD01003	55.00	360.00
QPD01003	56.00	660.00
QPD01003	57.00	410.00
QPD01003	58.00	60.00
QPD01003	59.00	710.00
QPD01003	60.00	580.00
QPD01003	61.00	485.00
QPD01003	62.00	405.00
QPD01003	63.00	86.00
QPD01003	64.00	225.00
QPD01003	65.00	610.00
QPD01003	66.00	60.00
QPD01003	67.00	180.00
QPD01003	68.00	560.00
QPD01003	69.00	344.00
QPD01003	70.00	805.00
QPD01003	71.00	305.00
QPD01003	72.00	480.00
QPD01003	73.00	303.00
QPD01003	74.00	500.00
QPD01003	75.00	112.00
QPD01003	76.00	101.00
QPD01003	77.00	245.00
QPD01003	78.00	343.00
QPD01003	79.00	780.00
QPD01003	80.00	830.00
QPD01003	81.00	497.00
QPD01003	82.00	875.00
QPD01003	83.00	502.00
QPD01003	84.00	808.00
QPD01003	85.00	867.00
QPD01003	86.00	643.00
QPD01003	87.00	1126.00
QPD01003	88.00	1417.00
QPD01003	89.00	1082.00
QPD01003	90.00	1125.00
QPD01003	91.00	639.00
QPD01003	92.00	525.00
QPD01003	93.00	330.00
QPD01003	94.00	682.00
QPD01003	95.00	654.00
QPD01003	96.00	497.00
QPD01003	97.00	589.00
QPD01003	98.00	560.00
QPD01003	99.00	432.00
QPD01003	100.00	658.00
QPD01003	101.00	616.00
QPD01003	102.00	1280.00

QPD01003	103.00	1075.00
QPD01003	104.00	1165.00
QPD01003	105.00	1233.00
QPD01003	106.00	642.00
QPD01003	107.00	713.00
QPD01003	108.00	1680.00
QPD01003	109.00	703.00
QPD01003	110.00	1050.00
QPD01003	111.00	870.00
QPD01003	112.00	1280.00
QPD01003	113.00	780.00
QPD01003	114.00	1490.00
QPD01003	115.00	821.00
QPD01003	116.00	1361.00
QPD01003	117.00	1022.00
QPD01003	118.00	863.00
QPD01003	119.00	1006.00
QPD01003	120.00	818.00
QPD01003	121.00	506.00
QPD01003	122.00	1140.00
QPD01003	123.00	1414.00
QPD01003	124.00	690.00
QPD01003	130.00	895.00
QPD01003	131.00	1458.00
QPD01003	132.00	700.00
QPD01003	133.00	770.00
QPD01003	134.00	688.00
QPD01003	135.00	1100.00
QPD01003	136.00	642.00
QPD01003	137.00	1025.00
QPD01003	138.00	1452.00
QPD01003	139.00	1000.00
QPD01003	140.00	1065.00
QPD01003	141.00	1033.00
QPD01003	142.00	1252.00
QPD01003	143.00	595.00
QPD01003	144.00	1035.00
QPD01003	145.00	903.00
QPD01003	146.00	938.00
QPD01003	147.00	2823.00
QPD01003	148.00	510.00
QPD01003	149.00	1180.00
QPD01003	150.00	2279.00
QPD01003	151.00	720.00
QPD01003	152.00	775.00
QPD01003	153.00	1217.00
QPD01003	154.00	992.00
QPD01003	155.00	720.00
QPD01003	156.00	1169.00
QPD01003	157.00	1275.00
QPD01003	158.00	1664.00
QPD01003	159.00	4410.00

QPD01003	160.00	858.00
QPD01003	161.00	1136.00
QPD01003	162.00	9120.00
QPD01003	163.00	9938.00
QPD01003	164.00	6760.00
QPD01003	165.00	2029.00
QPD01003	166.00	2606.00
QPD01003	167.00	950.00
QPD01003	168.00	1410.00
QPD01003	169.00	1625.00
QPD01003	170.00	3230.00
QPD01003	171.00	1423.00
QPD01003	172.00	2695.00
QPD01003	173.00	1325.00
QPD01003	174.00	1414.00
QPD01003	175.00	3977.00
QPD01003	176.00	5460.00
QPD01003	177.00	7470.00
QPD01003	178.00	2030.00
QPD01003	179.00	2040.00
QPD01003	180.00	2703.00
QPD01003	181.00	1960.00
QPD01003	182.00	4115.00
QPD01003	183.00	185.00
QPD01003	184.00	1380.00
QPD01003	185.00	10890.00
QPD01003	186.00	3165.00
QPD01003	187.00	4200.00
QPD01003	188.00	405.00
QPD01003	189.00	1740.00
QPD01003	190.00	2063.00
QPD01003	191.00	770.00
QPD01003	192.00	1490.00
QPD01003	193.00	1050.00
QPD01003	194.00	2804.00
QPD01003	195.00	1286.00
QPD01003	196.00	3131.00
QPD01003	197.00	1365.00
QPD01003	198.00	3595.00
QPD01003	199.00	1117.00
QPD01003	200.00	1049.00
QPD01003	201.00	707.00
QPD01003	202.00	793.00
QPD01003	203.00	1065.00
QPD01003	204.00	1300.00
QPD01003	205.00	1478.00
QPD01003	206.00	863.00
QPD01003	207.00	2943.00
QPD01003	208.00	1054.00
QPD01003	209.00	1399.00
QPD01003	210.00	1267.00
QPD01003	211.00	1903.00

QPD01003	212.00	862.00
QPD01003	213.00	940.00
QPD01003	214.00	1877.00
QPD01003	215.00	1596.00
QPD01003	216.00	1794.00
QPD01003	217.00	563.00
QPD01003	218.00	1056.00
QPD01003	219.00	785.00
QPD01003	220.00	1815.00
QPD01003	221.00	2622.00
QPD01003	222.00	1040.00
QPD01003	223.00	932.00
QPD01003	224.00	2094.00
QPD01003	225.00	1857.00
QPD01003	226.00	973.00
QPD01003	227.00	1309.00
QPD01003	228.00	963.00
QPD01003	229.00	1155.00
QPD01003	230.00	960.00
QPD01003	231.00	2390.00
QPD01003	232.00	480.00
QPD01003	233.00	505.00
QPD01003	234.00	688.00
QPD01003	235.00	690.00
QPD01003	236.00	515.00
QPD01003	237.00	630.00
QPD01003	238.00	600.00
QPD01003	239.00	510.00
QPD01003	240.00	509.00
QPD01003	241.00	565.00
QPD01003	242.00	569.00
QPD01003	243.00	650.00
QPD01003	244.00	760.00
QPD01003	245.00	640.00
QPD01003	246.00	725.00
QPD01003	247.00	745.00
QPD01003	248.00	905.00
QPD01003	249.00	990.00
QPD01003	250.00	760.00
QPD01003	251.00	915.00
QPD01003	252.00	710.00
QPD01003	253.00	920.00
QPD01003	254.00	940.00
QPD01003	255.00	750.00
QPD01003	256.00	1090.00
QPD01003	257.00	585.00
QPD01003	258.00	550.00
QPD01003	259.00	780.00
QPD01003	260.00	890.00
QPD01003	261.00	655.00
QPD01003	262.00	865.00
QPD01003	263.00	740.00

QPD01003	264.00	895.00
QPD01003	265.00	890.00
QPD01003	266.00	880.00
QPD01003	267.00	740.00
QPD01003	268.00	825.00
QPD01003	269.00	795.00
QPD01003	270.00	940.00
QPD01003	271.00	850.00
QPD01003	272.00	723.00
QPD01003	273.00	797.00
QPD01003	274.00	616.00
QPD01003	275.00	773.00
QPD01003	276.00	810.00
QPD01003	277.00	530.00
QPD01003	278.00	930.00
QPD01003	279.00	750.00
QPD01003	280.00	1060.00
QPD01003	281.00	750.00
QPD01003	282.00	676.00
QPD01003	283.00	662.00
QPD01003	284.00	915.00
QPD01003	285.00	786.00
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QPD01003	287.00	1127.00
QPD01003	288.00	721.00
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QPD01003	290.00	828.00
QPD01003	291.00	810.00
QPD01003	292.00	831.00
QPD01003	293.00	1095.00
QPD01003	294.00	795.00
QPD01003	295.00	828.00
QPD01003	296.00	1050.00
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QPD01003	298.00	573.00
QPD01003	299.00	902.00
QPD01003	300.00	665.00
QPD01003	301.00	777.00
QPD01003	302.00	926.00
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QPD01003	310.00	1476.00
QPD01003	311.00	1147.00
QPD01003	312.00	973.00
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QPD01003	314.00	805.00
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QPD01003	316.00	1100.00
QPD01003	317.00	1720.00
QPD01003	318.00	703.00
QPD01003	319.00	352.00
QPD01003	320.00	979.00
QPD01003	321.00	736.00
QPD01003	322.00	805.00
QPD01003	323.00	797.00
QPD01003	324.00	894.00
QPD01003	325.00	870.00
QPD01003	326.00	775.00
QPD01003	327.00	710.00
QPD01003	328.00	853.00
QPD01003	329.00	715.00
QPD01003	330.00	700.00
QPD01003	331.00	720.00
QPD01003	332.00	755.00
QPD01003	333.00	870.00
QPD01003	334.00	732.00
QPD01003	335.00	808.00
QPD01003	336.00	600.00
QPD01003	337.00	980.00
QPD01003	338.00	695.00
QPD01003	339.00	640.00
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QPD01003	341.00	640.00
QPD01003	342.00	782.00
QPD01003	343.00	790.00
QPD01003	344.00	780.00
QPD01003	345.00	745.00
QPD01003	346.00	600.00
QPD01003	347.00	650.00
QPD01003	348.00	550.00
QPD01003	349.00	630.00
QPD01003	350.00	697.00
QPD01003	351.00	540.00
QPD01003	352.00	780.00
QPD01003	353.00	925.00
QPD01003	354.00	810.00
QPD01003	355.00	805.00
QPD01003	356.00	805.00
QPD01003	357.00	806.00
QPD01003	358.00	605.00
QPD01003	359.00	825.00
QPD01003	360.00	780.00
QPD01003	361.00	850.00
QPD01003	362.00	635.00
QPD01003	363.00	750.00
QPD01003	364.00	686.00
QPD01003	365.00	785.00
QPD01003	366.00	830.00
QPD01003	367.00	685.00

QPD01003	368.00	580.00
QPD01003	369.00	675.00
QPD01003	370.00	800.00
QPD01003	371.00	675.00
QPD01003	372.00	730.00
QPD01003	373.00	710.00
QPD01003	374.00	691.00
QPD01003	375.00	677.00
QPD01003	376.00	805.00
QPD01003	377.00	715.00
QPD01003	378.00	715.00
QPD01003	379.00	394.00
QPD01003	380.00	401.00
QPD01003	381.00	572.00
QPD01003	382.00	573.00
QPD01003	383.00	502.00
QPD01003	384.00	660.00
QPD01003	385.00	585.00
QPD01003	386.00	650.00
QPD01003	387.00	500.00
QPD01003	388.00	430.00
QPD01003	389.00	444.00
QPD01003	390.00	522.00
QPD01003	391.00	611.00
QPD01003	392.00	616.00
QPD01003	393.00	506.00
QPD01003	394.00	445.00
QPD01003	395.00	472.00
QPD01003	396.00	700.00
QPD01003	397.00	484.00
QPD01003	398.00	437.00
QPD01003	399.00	416.00
QPD01003	400.00	517.00
QPD01003	401.00	437.00
QPD01003	402.00	421.00
QPD01003	403.00	405.00
QPD01003	404.00	440.00
QPD01003	405.00	187.00
QPD01003	406.00	281.00
QPD01003	407.00	262.00
QPD01003	408.00	238.00
QPD01003	409.00	470.00
QPD01003	410.00	640.00
QPD01003	411.00	300.00
QPD01003	412.00	522.00
QPD01003	413.00	375.00
QPD01003	414.00	455.00
QPD01003	415.00	394.00
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QPD01003	417.00	476.00
QPD01003	418.00	396.00
QPD01003	419.00	455.00

QPD01003	420.00	514.00
QPD01003	421.00	607.00
QPD01003	422.00	793.00
QPD01003	423.00	470.00
QPD01003	424.00	611.00
QPD01003	425.00	486.00
QPD01003	426.00	312.00
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QPD01003	428.00	565.00
QPD01003	429.00	575.00
QPD01003	430.00	453.00
QPD01003	431.00	506.00
QPD01003	432.00	443.00
QPD01003	433.00	510.00
QPD01003	434.00	626.00
QPD01003	435.00	700.00
QPD01003	436.00	695.00
QPD01003	437.00	626.00
QPD01003	438.00	459.00
QPD01003	439.00	483.00
QPD01003	440.00	595.00
QPD01003	441.00	432.00
QPD01003	442.00	635.00
QPD01003	443.00	742.00
QPD01003	444.00	581.00
QPD01003	445.00	588.00
QPD01003	446.00	519.00
QPD01003	447.00	406.00
QPD01003	448.00	505.00
QPD01003	449.00	464.00
QPD01003	450.00	398.00
QPD01003	451.00	414.00
QPD01003	452.00	420.00
QPD01003	453.00	378.00
QPD01003	454.00	366.00
QPD01003	455.00	453.00
QPD01003	456.00	428.00
QPD01003	457.00	433.00
QPD01003	458.00	338.00
QPD01003	459.00	507.00
QPD01003	460.00	448.00
QPD01003	461.00	417.00
QPD01003	462.00	421.00
QPD01003	463.00	430.00
QPD01003	464.00	335.00
QPD01003	465.00	575.00
QPD01003	466.00	420.00
QPD01003	467.00	370.00
QPD01003	468.00	455.00
QPD01003	469.00	430.00
QPD01003	470.00	360.00
QPD01003	471.00	450.00

QPD01003	472.00	420.00
QPD01003	473.00	445.00
QPD01003	474.00	270.00
QPD01003	475.00	368.00
QPD01003	476.00	257.00
QPD01003	477.00	380.00
QPD01003	478.00	410.00
QPD01003	479.00	502.00
QPD01003	480.00	320.00
QPD01003	481.00	340.00
QPD01003	482.00	270.00
QPD01003	483.00	295.00
QPD01003	484.00	320.00
QPD01003	485.00	290.00
QPD01003	486.00	427.00
QPD01003	487.00	380.00
QPD01003	488.00	590.00
QPD01003	489.00	470.00
QPD01003	490.00	460.00
QPD01003	491.00	560.00
QPD01003	492.00	500.00
QPD01003	493.00	320.00
QPD01003	494.00	350.00
QPD01003	495.00	340.00
QPD01003	496.00	360.00
QPD01003	497.00	335.00
QPD01003	498.00	335.00
QPD01003	499.00	440.00
QPD01003	500.00	450.00
QPD01003	501.00	290.00
QPD01003	502.00	325.00
QPD01003	503.00	370.00
QPD01003	504.00	339.00
QPD01003	505.00	220.00
QPD01003	506.00	320.00
QPD01003	507.00	474.00
QPD01003	508.00	583.00
QPD01003	509.00	483.00
QPD01003	510.00	394.00
QPD01003	511.00	440.00
QPD01003	512.00	558.00
QPD01003	513.00	692.00
QPD01003	514.00	660.00
QPD01003	515.00	684.00
QPD01003	516.00	878.00
QPD01003	517.00	488.00
QPD01003	518.00	375.00
QPD01003	519.00	4300.00
QPD01003	520.00	1150.00
QPD01003	521.00	1585.00
QPD01003	522.00	835.00
QPD01003	523.00	536.00

QPD01003	524.00	622.00
QPD01003	525.00	1224.00
QPD01003	526.00	917.00
QPD01003	527.00	812.00
QPD01003	528.00	750.00
QPD01003	529.00	850.00
QPD01003	530.00	1160.00
QPD01003	531.00	773.00
QPD01003	532.00	827.00
QPD01003	533.00	435.00
QPD01003	534.00	610.00
QPD01003	535.00	382.00
QPD01003	536.00	377.00
QPD01003	537.00	837.00
QPD01003	538.00	726.00
QPD01003	539.00	746.00
QPD01003	540.00	672.00
QPD01003	541.00	300.00
QPD01003	542.00	10000.00
QPD01003	543.00	856.00
QPD01003	544.00	805.00
QPD01003	545.00	1395.00
QPD01003	546.00	1911.00
QPD01003	547.00	777.00
QPD01003	548.00	1286.00
QPD01003	549.00	1422.00
QPD01003	550.00	1328.00
QPD01003	551.00	1960.00
QPD01003	552.00	1138.00
QPD01003	553.00	72.00
QPD01003	554.00	261.00
QPD01003	555.00	61.00
QPD01003	556.00	167.00
QPD01003	557.00	247.00
QPD01003	558.00	50.00
QPD01003	559.00	965.00
QPD01003	560.00	40.00
QPD01003	561.00	57.00
QPD01003	562.00	198.00
QPD01003	563.00	981.00
QPD01003	564.00	1313.00
QPD01003	565.00	165.00
QPD01003	566.00	0.00
QPD01003	567.00	362.00
QPD01003	568.00	560.00
QPD01003	569.00	48.00
QPD01003	570.00	21.00
QPD01003	571.00	184.00
QPD01003	572.00	0.00
QPD01003	573.00	300.00
QPD01003	574.00	48.00
QPD01003	575.00	101.00

QPD01003	576.00	249.00
QPD01003	577.00	0.00
QPD01003	578.00	87.00
QPD01003	579.00	107.00
QPD01003	580.00	265.00
QPD01003	581.00	233.00
QPD01003	582.00	0.00
QPD01003	583.00	331.00

RQD

<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>WIDTH</i>	<i>RQD (m)</i>	<i>RQD (%)</i>	<i>NOTES</i>
QPD01003	3.00	6.00	0.00	0.00	0.87	
QPD01003	6.00	9.00	0.00	0.00	0.91	
QPD01003	9.00	12.00	0.00	0.00	0.72	
QPD01003	12.00	15.00	0.00	0.00	0.86	
QPD01003	15.00	18.00	0.00	0.00	0.95	
QPD01003	18.00	21.00	0.00	0.00	0.90	
QPD01003	21.00	24.00	0.00	0.00	0.92	
QPD01003	24.00	27.00	0.00	0.00	0.80	
QPD01003	27.00	30.00	0.00	0.00	0.68	
QPD01003	30.00	33.00	0.00	0.00	0.50	
QPD01003	33.00	36.00	0.00	0.00	0.74	
QPD01003	36.00	39.00	0.00	0.00	0.65	
QPD01003	39.00	42.00	0.00	0.00	0.33	
QPD01003	42.00	45.00	0.00	0.00	0.63	
QPD01003	45.00	48.00	0.00	0.00	0.80	
QPD01003	48.00	51.00	0.00	0.00	0.98	
QPD01003	51.00	54.00	0.00	0.00	0.95	
QPD01003	54.00	57.00	0.00	0.00	0.97	
QPD01003	57.00	60.00	0.00	0.00	1.00	
QPD01003	60.00	63.00	0.00	0.00	0.95	
QPD01003	63.00	66.00	0.00	0.00	0.99	
QPD01003	66.00	69.00	0.00	0.00	0.97	
QPD01003	69.00	72.00	0.00	0.00	1.00	
QPD01003	72.00	75.00	0.00	0.00	0.95	
QPD01003	75.00	78.00	0.00	0.00	0.97	
QPD01003	78.00	81.00	0.00	0.00	1.00	
QPD01003	81.00	84.00	0.00	0.00	0.98	
QPD01003	84.00	87.00	0.00	0.00	1.00	
QPD01003	87.00	90.00	0.00	0.00	0.96	
QPD01003	90.00	93.00	0.00	0.00	1.00	
QPD01003	93.00	96.00	0.00	0.00	0.94	
QPD01003	96.00	99.00	0.00	0.00	1.00	
QPD01003	99.00	102.00	0.00	0.00	0.96	
QPD01003	102.00	105.00	0.00	0.00	0.98	
QPD01003	105.00	108.00	0.00	0.00	1.00	
QPD01003	108.00	111.00	0.00	0.00	1.00	
QPD01003	111.00	114.00	0.00	0.00	1.00	
QPD01003	114.00	117.00	0.00	0.00	0.91	
QPD01003	117.00	120.00	0.00	0.00	0.97	

QPD01003	120.00	123.00	0.00	0.00	0.97
QPD01003	132.00	135.00	0.00	0.00	0.98
QPD01003	135.00	138.00	0.00	0.00	1.00
QPD01003	138.00	141.00	0.00	0.00	0.97
QPD01003	141.00	144.00	0.00	0.00	0.99
QPD01003	144.00	147.00	0.00	0.00	0.97
QPD01003	147.00	150.00	0.00	0.00	0.92
QPD01003	150.00	153.00	0.00	0.00	0.96
QPD01003	153.00	156.00	0.00	0.00	0.98
QPD01003	156.00	159.00	0.00	0.00	0.95
QPD01003	159.00	162.00	0.00	0.00	0.99
QPD01003	162.00	165.00	0.00	0.00	0.96
QPD01003	165.00	168.00	0.00	0.00	1.00
QPD01003	168.00	171.00	0.00	0.00	0.97
QPD01003	171.00	174.00	0.00	0.00	0.95
QPD01003	174.00	177.00	0.00	0.00	0.98
QPD01003	177.00	180.00	0.00	0.00	0.92
QPD01003	180.00	183.00	0.00	0.00	0.83
QPD01003	183.00	186.00	0.00	0.00	0.87
QPD01003	186.00	189.00	0.00	0.00	0.82
QPD01003	189.00	192.00	0.00	0.00	1.00
QPD01003	192.00	195.00	0.00	0.00	1.00
QPD01003	195.00	198.00	0.00	0.00	0.97
QPD01003	198.00	201.00	0.00	0.00	0.98
QPD01003	201.00	204.00	0.00	0.00	0.99
QPD01003	204.00	207.00	0.00	0.00	0.92
QPD01003	207.00	210.00	0.00	0.00	0.98
QPD01003	210.00	213.00	0.00	0.00	0.55
QPD01003	213.00	216.00	0.00	0.00	0.98
QPD01003	216.00	219.00	0.00	0.00	0.86
QPD01003	219.00	222.00	0.00	0.00	0.88
QPD01003	222.00	225.00	0.00	0.00	0.97
QPD01003	225.00	228.00	0.00	0.00	0.99
QPD01003	228.00	231.00	0.00	0.00	1.00
QPD01003	231.00	234.00	0.00	0.00	1.00
QPD01003	234.00	237.00	0.00	0.00	0.99
QPD01003	237.00	240.00	0.00	0.00	0.94
QPD01003	240.00	243.00	0.00	0.00	0.98
QPD01003	243.00	246.00	0.00	0.00	0.97
QPD01003	246.00	249.00	0.00	0.00	0.97
QPD01003	249.00	252.00	0.00	0.00	0.97

QPD01003	252.00	255.00	0.00	0.00	0.98
QPD01003	255.00	258.00	0.00	0.00	0.75
QPD01003	258.00	261.00	0.00	0.00	0.63
QPD01003	261.00	264.00	0.00	0.00	0.53
QPD01003	264.00	267.00	0.00	0.00	0.83
QPD01003	267.00	270.00	0.00	0.00	1.00
QPD01003	270.00	273.00	0.00	0.00	1.00
QPD01003	273.00	276.00	0.00	0.00	0.92
QPD01003	276.00	279.00	0.00	0.00	1.00
QPD01003	279.00	282.00	0.00	0.00	1.00
QPD01003	282.00	285.00	0.00	0.00	1.00
QPD01003	285.00	288.00	0.00	0.00	1.00
QPD01003	288.00	291.00	0.00	0.00	1.00
QPD01003	291.00	294.00	0.00	0.00	1.00
QPD01003	294.00	297.00	0.00	0.00	0.90
QPD01003	297.00	300.00	0.00	0.00	1.00
QPD01003	300.00	303.00	0.00	0.00	1.00
QPD01003	303.00	306.00	0.00	0.00	1.00
QPD01003	306.00	309.00	0.00	0.00	1.00
QPD01003	309.00	312.00	0.00	0.00	1.00
QPD01003	312.00	315.00	0.00	0.00	1.00
QPD01003	315.00	318.00	0.00	0.00	1.00
QPD01003	318.00	321.00	0.00	0.00	1.00
QPD01003	321.00	324.00	0.00	0.00	1.00
QPD01003	324.00	327.00	0.00	0.00	0.96
QPD01003	327.00	330.00	0.00	0.00	1.00
QPD01003	330.00	333.00	0.00	0.00	1.00
QPD01003	333.00	336.00	0.00	0.00	1.00
QPD01003	336.00	339.00	0.00	0.00	1.00
QPD01003	339.00	342.00	0.00	0.00	0.98
QPD01003	342.00	345.00	0.00	0.00	1.00
QPD01003	345.00	348.00	0.00	0.00	1.00
QPD01003	348.00	351.00	0.00	0.00	0.99
QPD01003	351.00	354.00	0.00	0.00	0.99
QPD01003	354.00	357.00	0.00	0.00	0.99
QPD01003	357.00	360.00	0.00	0.00	1.00
QPD01003	360.00	363.00	0.00	0.00	1.00
QPD01003	363.00	366.00	0.00	0.00	1.00
QPD01003	366.00	369.00	0.00	0.00	1.00
QPD01003	369.00	372.00	0.00	0.00	1.00
QPD01003	372.00	375.00	0.00	0.00	1.00

QPD01003	375.00	378.00	0.00	0.00	1.00
QPD01003	378.00	381.00	0.00	0.00	1.00
QPD01003	381.00	384.00	0.00	0.00	1.00
QPD01003	384.00	387.00	0.00	0.00	1.00
QPD01003	387.00	390.00	0.00	0.00	1.00
QPD01003	390.00	393.00	0.00	0.00	1.00
QPD01003	393.00	396.00	0.00	0.00	1.00
QPD01003	396.00	399.00	0.00	0.00	1.00
QPD01003	399.00	402.00	0.00	0.00	0.99
QPD01003	402.00	405.00	0.00	0.00	0.96
QPD01003	405.00	408.00	0.00	0.00	0.99
QPD01003	408.00	411.00	0.00	0.00	0.98
QPD01003	411.00	414.00	0.00	0.00	0.99
QPD01003	414.00	417.00	0.00	0.00	1.00
QPD01003	417.00	420.00	0.00	0.00	0.99
QPD01003	420.00	423.00	0.00	0.00	1.00
QPD01003	423.00	426.00	0.00	0.00	1.00
QPD01003	426.00	429.00	0.00	0.00	1.00
QPD01003	429.00	432.00	0.00	0.00	1.00
QPD01003	432.00	435.00	0.00	0.00	1.00
QPD01003	435.00	438.00	0.00	0.00	1.00
QPD01003	438.00	441.00	0.00	0.00	1.00
QPD01003	441.00	444.00	0.00	0.00	1.00
QPD01003	444.00	447.00	0.00	0.00	1.00
QPD01003	447.00	450.00	0.00	0.00	1.00
QPD01003	450.00	453.00	0.00	0.00	1.00
QPD01003	453.00	456.00	0.00	0.00	1.00
QPD01003	456.00	459.00	0.00	0.00	1.00
QPD01003	459.00	462.00	0.00	0.00	1.00
QPD01003	462.00	465.00	0.00	0.00	1.00
QPD01003	465.00	468.00	0.00	0.00	1.00
QPD01003	468.00	471.00	0.00	0.00	1.00
QPD01003	471.00	474.00	0.00	0.00	1.00
QPD01003	474.00	477.00	0.00	0.00	1.00
QPD01003	477.00	480.00	0.00	0.00	1.00
QPD01003	480.00	483.00	0.00	0.00	1.00
QPD01003	483.00	486.00	0.00	0.00	1.00
QPD01003	486.00	489.00	0.00	0.00	0.99
QPD01003	489.00	492.00	0.00	0.00	0.92
QPD01003	492.00	495.00	0.00	0.00	1.00
QPD01003	495.00	498.00	0.00	0.00	1.00

QPD01003	498.00	501.00	0.00	0.00	1.00
QPD01003	501.00	504.00	0.00	0.00	1.00
QPD01003	504.00	507.00	0.00	0.00	1.00
QPD01003	507.00	510.00	0.00	0.00	0.99
QPD01003	510.00	513.00	0.00	0.00	1.00
QPD01003	513.00	516.00	0.00	0.00	1.00
QPD01003	516.00	519.00	0.00	0.00	1.00
QPD01003	519.00	522.00	0.00	0.00	1.00
QPD01003	522.00	525.00	0.00	0.00	1.00
QPD01003	525.00	528.00	0.00	0.00	1.00
QPD01003	528.00	531.00	0.00	0.00	0.98
QPD01003	531.00	534.00	0.00	0.00	1.00
QPD01003	534.00	537.00	0.00	0.00	1.00
QPD01003	537.00	540.00	0.00	0.00	1.00
QPD01003	540.00	543.00	0.00	0.00	1.00
QPD01003	543.00	546.00	0.00	0.00	1.00
QPD01003	546.00	549.00	0.00	0.00	0.97
QPD01003	549.00	552.00	0.00	0.00	0.93
QPD01003	552.00	555.00	0.00	0.00	0.62
QPD01003	555.00	558.00	0.00	0.00	0.35
QPD01003	558.00	561.00	0.00	0.00	0.60
QPD01003	561.00	564.00	0.00	0.00	0.94
QPD01003	564.00	567.00	0.00	0.00	1.00
QPD01003	567.00	570.00	0.00	0.00	0.99
QPD01003	570.00	573.00	0.00	0.00	0.84
QPD01003	573.00	576.00	0.00	0.00	1.00
QPD01003	576.00	579.00	0.00	0.00	0.98
QPD01003	579.00	582.00	0.00	0.00	0.96
QPD01003	582.00	583.00	0.00	0.00	1.00

DRILL LOG QPD01004

ZONE:	PAPAVOINE	EASTING UTM:	651843.03	DDH STARTED:	4/22/01
SITE:	LAND	NORTHING UTM:	6329373.23	DDH FINISHED:	4/24/01
ORIENTATED:	Yes	ELEVATION (m):	377.18	GEOLOGIST 1:	JIM MCKINNON MATTHEWS
GEOTECH:	Yes	BEARING:	90	GEOLOGIST 2:	JOHN EVEREST
CASING (m):	2.00	DIP:	-80.00	LOG COMPLETED:	4/27/01
		LENGTH (m):	215.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

QPD01004 was drilled to test an airborne EM, a surface UTEM, and a downhole EM (from QPD01001) conductor. The hole was collared in Troctolite. This uniform - homogeneous unit continued until 74 m where units of olivine norite and olivine gabbro norite were intersected until the footwall at 123.53 m. The footwall consisted of hornfelsed silicified graphitic paragneiss and contact hornfels gneiss until 131 m. From 131 m to the end of the hole at 215 m, various units of granite, paragneiss and mafic dyke rock were intersected.

Significant mineralization was first encountered from 93.4 to 104.24 m (0.5 to 6 % pyrrhotite + pentlandite + chalcopyrite), 104.24 to 113.30 m (2 to 6 % pyrrhotite + pentlandite + chalcopyrite), 113.30 to 126.35 (6 to 7 % pyrrhotite + pentlandite + chalcopyrite). This mineralisation was primarily coarse grained and blebby, often interstitial to the plagioclase and pyroxene and straddles the diffuse mafic/footwall boundary. Semi-massive and massive pyrrhotite intermixed with graphite was intersected within the footwall rock at 126.35 to 126.79 m (15 to 35 % pyrrhotite). Other footwall mineralization consisted of disseminated and coarse blebby pyrrhotite (1 to 5%) with variable chalcopyrite from 126.79 to 144.27m.

DHEM completed on this hole confirmed an anomaly of moderate conductance at around 130m downhole depth. It is interpreted that this explains the surface anomaly. From the geology intersected in the drillhole this indicates that the source of the anomaly is a combination of massive po (+- scp +-se) and semimassive to stringer graphite.

DRILL LOG: QPD01004

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

0.00	2.00	UG	100					0
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2.00	74.00	Mtr	100					0
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medium grained, light grey, olivine:plagioclase=50:50, homogeneous, equigranular, unit is moderately more felsic from 40 to 44 m, top of unit (0 to 16 m) contains multiple fractures sub parallel TCA, sulfides occurs locally in patches, 2 core boxes are missing in action (presumed dead) from this zone - interval missing is from 65.08 to 73.77 - these core boxes may have fallen from the basket which carries core, gradational lower contact into Mno,

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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57.00	74.00	spo	0.50	ds				
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STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/ Dir	Notes
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2.00	16.00	fs	2	0				
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74.00	93.00	Mno	100					Gr
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equigranular, plagioclase:olivine:opx=60:20:20, lt grey unit, medium grained, gradational contacts, patchy sulfides locally, locally pegmatitic on cm scale, narrow serpentinitic fractures locally, minor biotite throughout, one core box MIA - suspected that it pulled a de Guzman during the helicopter flight from the drill - investigation is underway, interval which is missing is from 87.3 to 91.83 m,

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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74.00	93.00	ym				1	
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SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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74.00	93.00	spo	0.50	ds				
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93.00	94.58	M-cgno	100					0
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coarse grained unit of olivine gabbro norite - 2 pyroxenes - plagioclase - olivine, minor biotite. Sulphides are interstitial and blebby with cg spo and finer grained cpy and pentlandite. Serpentine fills some minor fractures and

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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93.00	93.50	spo	0.20	is				
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93.50	94.58	spo	6.00	is				
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94.58	111.25	Mgno	100					0
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variably textured unit of olivine gabbro norite, locally leucocratic, alternating between medium and coarse grained throughout, narrow serpentine/chlorite/talc fractures throughout which have resulted in alteration of adjacent mafic minerals to serpentine/chlorite/talc, locally graphitic.

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

MINERALOGY *Min* % *Att 1* *Att 2* *Att 3* *Att 4* *Gr. Size* *Tone* *Colour* *Rock No* *Notes*

104.92	105.00	lcg	10	rn							1								
107.71	111.25	lcg		ds							1								

SULPHIDES *Min* % *Att 1* *Att 2* *Att 3* *Att 4* *Gr. Size* *Notes*

94.58	95.55	scp	0.20	ds															
94.58	95.55	spo	2.00	ds															
95.55	96.34	spo	5.00	ds															
95.55	96.34	scp	1.00	ds															
96.34	97.22	spo	0.50	ds															
97.22	100.14	spo	5.00	by															
97.22	100.14	scp	1.00	by															
100.14	100.68	spo	0.50	ds															
100.68	101.16	spo	5.00	by															
100.68	101.16	scp	1.00	by															
101.16	102.28	spo	0.50	ds															
102.28	103.22	scp	0.50	by															
102.28	103.22	spo	3.00	by															
103.22	103.60	scp	1.00	by															
103.22	103.60	spo	5.00	by															
103.60	104.24	spo	0.50	ds															
104.24	106.68	spo	5.00	by															
104.24	106.68	scp	1.00	by															
104.24	106.68	se	1.00	by															
106.68	107.71	spo	5.00	by															
106.68	107.71	scp	1.00	by															
106.68	107.71	se	1.00	by															
107.71	111.25	scp	0.50	ds															
107.71	111.25	spo	2.00	by															
107.71	111.25	se	0.50	ds															

STRUCTURE *Type 1* *Type 2* *Intensity* *CA* *Qual* *Dip* *Dip/Dir* *Notes*

104.92	105.00	fn	2	58		-47	208	foliation defined by graphite layers,
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FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

111.25 112.00 -aR^g-n&Mgno 100 0

unit of graphitic paragneiss partially digested by mafic igneous rock, foliation defined by graphitic layers is irregular

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
111.25	112.00	lcg	20	st							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
111.25	112.00	scp	0.50	by					
111.25	112.00	spo	5.00	by					

112.00 123.53 Mgno 100 0 Shp

Olivine gabbronorite that shows textural and compositional variatio over entire interval. Unit contains consistent sulphides - spo, se and scp mainly cg blebby interstitial cumulate. Toward base of interval fg graphite becomes more common - up to 2% suggesting this has digested significant footwall paragneiss.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
112.00	123.53	cg				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
112.00	120.00	lcg	1	ds							1	
120.00	123.53	lcg	2	ds							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
112.00	112.60	scp	1.00	ds					
112.00	112.60	se	1.00	by					
112.00	112.60	spo	6.00	by					
112.60	113.30	spo	2.00	by					
113.30	123.53	se	1.00	ds					
113.30	123.53	scp	1.00	by					
113.30	123.53	spo	6.00	by					

VEINS		Min	Acc 1	Acc 2	Type 1	Type 2	%	Width	CA	Qual	Dip	Dip/Dir	Notes
113.06	113.12	q	r		si			2.00	17				silicified vein. 10cm margin to vein has lower sulphides. Serp present from 112-113.64 as selvage to vein.

123.53 125.47 fnR&Mngo 100 0 Gr

Intensely hornfelsed footwall - probable mixing with mafic unit. Highly silicified with relic fabric (foliation) and some evidence of cumulate mafic texture. Sulphides blebby and up to 10% - spo-scp-se. Graphite varied from 3-5%. Unit grades below to a more silica rich hornfels footwall. Relic hornfels granitic section from 125.3-125.47m.

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
123.53	125.47	lcg	4	ds							1										
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>				<i>Notes</i>									
123.53	125.47	se	1.00	by																	
123.53	125.47	scp	1.00	by																	
123.53	125.47	spo	7.00	by																	
125.47	126.00	fnRs					100					0				Gr					
Intensely silicified hornfels footwall gneiss with blebby spo-scp and minor se? 5% graphite as disseminations. Relic gneissic fabric is present																					
TEXTURES		<i>Gr. Size</i>		<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>					<i>Notes</i>									
125.47	126.00	gn					1														
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
125.47	126.00	lcg	5	ds							1										
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>				<i>Notes</i>									
125.47	126.00	se	1.00	ds																	
125.47	126.00	scp	1.00	by																	
125.47	126.00	spo	7.00	by																	
126.00	126.35	-aR^g-ns					100					0				Shp					
Silicified paragneiss. A mix of blebby sulphide, graphite, chlorite and silica. Sulphides as stringers within stringer graphite - forming zoned layer appearance parallel to large Quartz yob (vein?)																					
TEXTURES		<i>Gr. Size</i>		<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>					<i>Notes</i>									
126.00	126.35	st					1														
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
126.00	126.35	lcg	25	st							1										
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>				<i>Notes</i>									
126.00	126.35	se	1.00	ds																	
126.00	126.35	scp	1.00	ds																	
126.00	126.35	spo	7.00	st																	

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT							
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
VEINS																					
		<i>Min</i>	<i>Acc 1</i>	<i>Acc 2</i>	<i>Type 1</i>	<i>Type 2</i>	<i>%</i>	<i>Width</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>								
126.14	126.18	q					50.00	3.00	70				yob-like - vn wedges out towards centre of core								
126.35	126.49	\$yc-p-n		100							0										
unit of massive sulfides intermixed with graphite, rip up clasts of footwall paragneiss, sulfide:graphite=50:50, cg bleby spy as 5mm thick vein on lower contact and as large (2cm) blebs in interval.																					
MINERALOGY																					
		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
126.35	126.49	lcg	40	\$							1										
SULPHIDES																					
		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>												
126.35	126.49	spy	5.00	by																	
126.35	126.49	spo	35.00	\$																	
126.49	131.00	-aR^g-ns		100							0	Shp	80								
highly silicified unit of graphitic paragneiss, upper 30 cm of unit contains semi-massive sulfide, silicification of unit appears to be associated with a vein at 126.81 m - pyrrhotite replacement of wall rock lamellae, foliation in unit defined by graphitic layers - however foliation is variable and locally convoluted, sulfides decrease downhole but local concentration of sulfides at 130.18 where silicification associated with a quartz yob/vein occurs over an interval of 20 cm, minor granitic zones locally,																					
MINERALOGY																					
		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
126.49	126.79	lcg	30	st							1										
126.79	130.00	lcg	25	st							1										
130.30	131.00	lcg	30	bn							1										
SULPHIDES																					
		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>												
126.49	126.79	spo	15.00	st																	
126.79	130.00	spo	3.00	st																	
130.00	130.30	scp	1.00	by																	
130.00	130.30	spo	3.00	by																	
130.30	131.00	spo	5.00	by																	
VEINS																					
		<i>Min</i>	<i>Acc 1</i>	<i>Acc 2</i>	<i>Type 1</i>	<i>Type 2</i>	<i>%</i>	<i>Width</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>								
126.83	126.89	q			si		100.00	6.00	90				good vein with intense silicification/quartz zones 10 cm either side of vein								
130.00	130.30	q			si		50.00	30.00	90				as above								
131.00	144.27	Fg&-aR^g-n		100							0	Shp									

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

Mixed unit of salmon/pink granite and graphitic paragneiss. spo and scp sporadic but up to 5% over decimeter scale. These sulphides occur as veinlets and cg blebs to 4cm across primarily within granitic portions of the interval. Blebs of graphite also occur in the granitic intervals. Interval contains multiple narrow (cm scale) breccia zones.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
131.00	144.27	lcp	5	ds							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
131.00	132.63	scp	0.50	ds					
132.63	133.62	scp	1.00	by					
132.63	133.62	spo	5.00	by					
133.62	135.25	spo	1.00	by					
136.00	138.00	spo	1.00	by					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
133.45	133.60	bx		2					moderate breccia zone of granite and paragneiss
134.75	134.84			3					fg dark matrix with cm clasts of country rock.
134.84	135.50	fz		2					Includes 5cm of fault gouge
141.90	142.55	fz		2	80				Includes fault gouge material

144.27 144.42 -kMd 100 0 Shp 55

fg undeformed mafic dyke cut by thin bc veins approximately every 10-20cm. Biotite common in this dyke.

144.42 154.15 Fg&-aR^g 100 0 Shp 35 -38 145

mix of predominantly granite and paragneiss. Paragneiss digested by granite and commonly contains graphite. minor spy mineralisation on fractures. Paragneiss intervals show a strong foliation.

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
142.42	154.15	fn		2	30				Variable foliation in paragneiss units within granite.

154.15 154.23 -kMd 100 0 Shp

Thin fg gabbro/diabase dyke.

154.23 158.30 -aR^g-n&Fg 100 0 Shp

Paragneiss and granite interval that has undergone intense deformation in the form of brittle faulting. Disseminated spy throughout interval. biotite is a common accessory mineral also.

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2			%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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154.23	158.30	lcg	15	ds						1	
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SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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154.23	158.30	spy	1.00	ds				
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STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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154.23	155.50	fz		3				Intense fault zone with fault gouge.
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158.30 169.60 Fg&-aR^g-n 100 0

unit consisting dominantly of granite with lesser xenoliths of paragneiss, paragneiss is graphitic and contains secondary garnet crystals, late fractures locally bearing pyrite, vein at 164.45 contains calcite and sphalerite, other fractures and veins to 167 also contain sphalerite and pyrite,

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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158.30	169.60	lcg	5							1	
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SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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164.45	167.00	ssp	0.50	eu				
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VEINS	Min	Acc 1	Acc 2	Type 1	Type 2	%	Width	CA	Qual	Dip	Dip/Dir	Notes
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164.45	164.90	q	bc		vx	10.00	2.00	0				vein contains crystals and sphalerite
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169.60 176.66 -aR^g 100 0

psammitic paragneiss contains up to 5% graphite throughout, 5 % pyrite throughout, light grey, dominantly a fn grained homogeneous unit which becomes more pelitic towards base of unit, unit is locally granitic, garnetiferous locally

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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169.60	176.66	lcg	5							1	
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SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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169.60	176.66	spy	5.00	ds				
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176.66 185.22 Fg 100 0

dominant granite with 10% paragneiss xenoliths, light grey to lt pink, medium grained, top of unit is extremely faulted and brecciated with introduction of pyrite into fault zone, locally graphitic in the paragneiss,

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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176.66	185.22	ym			1	
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FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes										
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177.00	177.40	spy	3.00	in															
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STRUCTURE		Type 1	Type 2	Intensity	CA				Qual	Dip	Dip/Dir	Notes
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176.80	180.20	fz		3							zone of intense faulting including broken core and fault gouge
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185.22	191.00	Fg&-aR^g-n		100					0				
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Granite and paragneiss (graphitic) that has undergone multiple brittle deformation events. Slickenside is common on graphite planes, pyrite associated with fault planes and fractures

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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185.22	191.00	lcy	8								1	
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STRUCTURE		Type 1	Type 2	Intensity	CA				Qual	Dip	Dip/Dir	Notes
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186.70	189.50	fz		3							Variable core angle along slickensides. Cannot get consistent angle of fault. Broken core, fault gouge and consolidated breccias,
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191.00	215.00	Fg		100					0				
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dominantly a medium grained equigranular lt grey to lt pink granite, locally contains rafts of light grey to green amphibolite with biotitic chill margins, apopheses of granitic rock intrude amphibole rafts locally, biotite is common throughout granite, garnets - undigested remnants of a paragneiss unit - occur throughout granite, amphibolite rafts occur at 207.48 to 208.89m and 212.29 to 212.79.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No		Notes				
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191.00	215.00	ym				1						
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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191.00	215.00	mb	7								1	
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Assay Results for: QPD01004

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00338	3.00	4.00			DSPLT	254.00	-1.00	-5.00	-1.00	24.00	47.00	64.00
CQ00339	6.00	7.00			DSPLT	246.00	-1.00	-5.00	-1.00	21.00	47.00	63.00
CQ00340	9.00	10.00			DSPLT	236.00	-1.00	-5.00	2.00	21.00	45.00	68.00
CQ00341	9.00	10.00	SD	CQ00340	DSPLT	248.00	2.00	-5.00	-1.00	23.00	47.00	69.00
CQ00342	9.00	10.00	R	CQ00340	DSPLT	224.00	-1.00	-5.00	-1.00	20.00	43.00	63.00
CQ00343	12.00	13.00			DSPLT	174.00	1.00	-5.00	1.00	16.00	39.00	55.00
CQ00344	15.00	16.00			DSPLT	198.00	-1.00	-5.00	1.00	16.00	42.00	59.00
CQ00345	18.00	19.00			DSPLT	209.00	-1.00	-5.00	-1.00	19.00	42.00	60.00
CQ00346	21.00	22.00			DSPLT	250.00	1.00	-5.00	-1.00	20.00	46.00	62.00
CQ00347	24.00	25.00			DSPLT	217.00	-1.00	-5.00	-1.00	24.00	41.00	56.00
CQ00348	27.00	28.00			DSPLT	218.00	1.00	-5.00	-1.00	31.00	42.00	58.00
CQ00349	30.00	31.00			DSPLT	205.00	-1.00	-5.00	1.00	23.00	41.00	56.00
CQ00350	0.00	0.00	QS	LN1	STAND	14518.00	161.00	75.00	44.00	671.00	311.00	139.00
CQ00351	33.00	34.00			DSPLT	207.00	-1.00	-5.00	-1.00	25.00	44.00	61.00
CQ00352	36.00	37.00			DSPLT	235.00	-1.00	-5.00	-1.00	27.00	46.00	62.00
CQ00353	39.00	40.00			DSPLT	231.00	-1.00	-5.00	1.00	24.00	47.00	65.00
CQ00354	42.00	43.00			DSPLT	235.00	-1.00	-5.00	-1.00	33.00	46.00	63.00
CQ00355	45.00	46.00			DSPLT	275.00	-1.00	-5.00	-1.00	29.00	51.00	68.00
CQ00356	48.00	49.00			DSPLT	235.00	-1.00	-5.00	-1.00	33.00	46.00	62.00
CQ00357	51.00	52.00			DSPLT	213.00	-1.00	-5.00	-1.00	30.00	44.00	62.00
CQ00358	54.00	55.00			DSPLT	248.00	2.00	-5.00	-1.00	56.00	45.00	60.00
CQ00359	57.00	58.00			DSPLT	230.00	2.00	-5.00	-1.00	53.00	42.00	58.00
CQ00360	60.00	61.00			DSPLT	189.00	1.00	-5.00	-1.00	30.00	40.00	55.00
CQ00361	60.00	61.00	SD	CQ00360	DSPLT	189.00	1.00	-5.00	-1.00	28.00	42.00	58.00
CQ00362	60.00	61.00	R	CQ00360	DSPLT	195.00	2.00	-5.00	1.00	30.00	42.00	58.00
CQ00363	63.00	64.00			DSPLT	326.00	3.00	-5.00	2.00	113.00	48.00	60.00
CQ00364	75.00	76.00			DSPLT	164.00	2.00	-5.00	-1.00	32.00	44.00	65.00
CQ00365	78.00	79.00			DSPLT	179.00	-1.00	-5.00	-1.00	30.00	44.00	67.00
CQ00366	81.00	82.00			DSPLT	207.00	-1.00	-5.00	-1.00	29.00	45.00	64.00
CQ00367	84.00	85.00			DSPLT	159.00	1.00	-5.00	-1.00	24.00	46.00	69.00
CQ00368	92.00	93.00			DSPLT	175.00	2.00	-5.00	-1.00	31.00	49.00	73.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00369	93.00	93.52			DSPLT	224.00	3.00	-5.00	-1.00	112.00	48.00	73.00
CQ00370	93.52	94.58			DSPLT	624.00	9.00	-5.00	3.00	384.00	73.00	78.00
CQ00371	94.58	95.55			DSPLT	152.00	2.00	-5.00	-1.00	98.00	66.00	67.00
CQ00372	95.55	96.34			DSPLT	259.00	3.00	-5.00	2.00	200.00	90.00	64.00
CQ00373	96.34	97.22			DSPLT	166.00	1.00	-5.00	1.00	33.00	46.00	70.00
CQ00374	97.22	98.20			DSPLT	523.00	6.00	-5.00	3.00	280.00	84.00	78.00
CQ00375	0.00	0.00	QS	LN1	STAND	14264.00	166.00	74.00	44.00	655.00	302.00	135.00
CQ00376	98.20	99.18			DSPLT	694.00	12.00	-5.00	7.00	364.00	58.00	71.00
CQ00377	99.18	100.14			DSPLT	914.00	15.00	-5.00	4.00	526.00	79.00	75.00
CQ00378	100.14	100.68			DSPLT	101.00	-1.00	-5.00	-1.00	26.00	35.00	50.00
CQ00379	100.68	101.16			DSPLT	383.00	3.00	-5.00	2.00	186.00	58.00	51.00
CQ00380	101.16	102.28			DSPLT	155.00	-1.00	-5.00	-1.00	48.00	46.00	55.00
CQ00381	102.28	102.28	SD	CQ00380	DSPLT	192.00	1.00	-5.00	1.00	74.00	48.00	53.00
CQ00382	102.28	102.28	R	CQ00380	DSPLT	156.00	1.00	-5.00	-1.00	48.00	46.00	55.00
CQ00383	102.28	103.22			DSPLT	631.00	5.00	-5.00	2.00	337.00	75.00	60.00
CQ00384	103.22	103.60			DSPLT	2067.00	20.00	6.00	7.00	883.00	124.00	92.00
CQ00385	103.60	104.24			DSPLT	638.00	6.00	-5.00	2.00	284.00	69.00	124.00
CQ00386	104.24	105.00			DSPLT	720.00	10.00	-5.00	3.00	367.00	75.00	102.00
CQ00387	105.00	106.00			DSPLT	1624.00	18.00	7.00	5.00	912.00	114.00	94.00
CQ00388	106.00	106.68			DSPLT	1344.00	14.00	7.00	4.00	740.00	107.00	74.00
CQ00389	106.68	107.21			DSPLT	271.00	4.00	-5.00	2.00	156.00	60.00	101.00
CQ00390	107.21	107.71			DSPLT	531.00	5.00	-5.00	2.00	312.00	66.00	85.00
CQ00391	107.71	108.54			DSPLT	288.00	3.00	-5.00	-1.00	123.00	57.00	122.00
CQ00392	108.54	109.50			DSPLT	183.00	4.00	-5.00	-1.00	65.00	44.00	56.00
CQ00393	109.50	110.50			DSPLT	238.00	3.00	-5.00	1.00	84.00	45.00	57.00
CQ00394	110.50	111.25			DSPLT	582.00	5.00	-5.00	5.00	311.00	62.00	63.00
CQ00395	111.25	112.00			DSPLT	1408.00	10.00	8.00	5.00	887.00	146.00	118.00
CQ00396	112.00	112.60			DSPLT	1499.00	10.00	8.00	4.00	864.00	137.00	87.00
CQ00397	112.60	113.30			DSPLT	764.00	7.00	-5.00	3.00	418.00	82.00	76.00
CQ00398	113.30	114.30			DSPLT	985.00	9.00	-5.00	3.00	508.00	88.00	57.00
CQ00399	114.30	115.30			DSPLT	1187.00	11.00	7.00	4.00	669.00	105.00	82.00
CQ00400	115.30	116.30			DSPLT	1233.00	11.00	-5.00	4.00	681.00	101.00	77.00
CQ00401	115.30	116.30	SD	CQ00400	DSPLT	991.00	11.00	-5.00	3.00	620.00	89.00	68.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00402	115.30	116.30	R	CQ00400	DSPLT	1217.00	12.00	8.00	5.00	671.00	99.00	76.00
CQ00403	116.30	117.30			DSPLT	1035.00	9.00	-5.00	4.00	670.00	96.00	132.00
CQ00404	117.30	118.30			DSPLT	1481.00	15.00	5.00	5.00	978.00	126.00	84.00
CQ00405	118.30	119.30			DSPLT	1588.00	13.00	5.00	4.00	787.00	135.00	95.00
CQ00406	119.30	120.30			DSPLT	1287.00	11.00	-5.00	4.00	736.00	118.00	67.00
CQ00407	120.30	121.30			DSPLT	1872.00	17.00	5.00	6.00	1111.00	150.00	83.00
CQ00408	121.30	122.30			DSPLT	2350.00	23.00	5.00	7.00	1738.00	180.00	88.00
CQ00409	122.30	123.30			DSPLT	1994.00	20.00	9.00	6.00	1307.00	153.00	84.00
CQ00410	123.30	123.53			DSPLT	1380.00	15.00	-5.00	5.00	934.00	129.00	85.00
CQ00411	123.53	124.48			DSPLT	2016.00	20.00	7.00	6.00	1448.00	176.00	100.00
CQ00412	124.48	125.47			DSPLT	1512.00	16.00	-5.00	5.00	1110.00	143.00	80.00
CQ00413	125.47	126.00			DSPLT	1797.00	14.00	-5.00	5.00	1074.00	180.00	93.00
CQ00414	126.00	126.35			DSPLT	1666.00	8.00	-5.00	2.00	940.00	235.00	117.00
CQ00415	126.35	126.49			DSPLT	7081.00	5.00	11.00	4.00	971.00	916.00	1418.00
CQ00416	126.49	126.79			DSPLT	1995.00	7.00	-5.00	2.00	1031.00	277.00	163.00
CQ00417	126.79	127.79			DSPLT	887.00	11.00	-5.00	3.00	603.00	110.00	137.00
CQ00418	127.79	128.50			DSPLT	639.00	23.00	11.00	5.00	613.00	69.00	124.00
CQ00419	128.50	129.50			DSPLT	181.00	12.00	8.00	2.00	175.00	59.00	200.00
CQ00420	129.50	130.30			DSPLT	638.00	20.00	15.00	3.00	547.00	70.00	141.00
CQ00421	129.50	130.30	SD	CQ00420	DSPLT	671.00	18.00	12.00	3.00	673.00	71.00	149.00
CQ00422	129.50	130.30	R	CQ00420	DSPLT	603.00	14.00	10.00	3.00	492.00	59.00	129.00
CQ00423	130.30	131.00			DSPLT	1050.00	19.00	8.00	5.00	844.00	76.00	200.00
CQ00424	131.00	132.20			DSPLT	20.00	2.00	-5.00	-1.00	19.00	3.00	21.00
CQ00425	0.00	0.00	QS	LN1	STAND	14515.00	151.00	67.00	43.00	701.00	281.00	126.00
CQ00426	132.20	132.63			DSPLT	2086.00	24.00	12.00	2.00	1164.00	148.00	252.00
CQ00427	132.63	133.62			DSPLT	2129.00	17.00	-5.00	2.00	807.00	132.00	257.00
CQ00428	133.62	134.75			DSPLT	598.00	8.00	-5.00	2.00	358.00	31.00	339.00
CQ00429	134.75	135.25			DSPLT	334.00	9.00	-5.00	2.00	268.00	49.00	687.00
CQ00430	135.25	136.10			DSPLT	128.00	5.00	-5.00	2.00	140.00	40.00	157.00
CQ00431	136.10	137.10			DSPLT	244.00	8.00	-5.00	2.00	198.00	34.00	115.00
CQ00432	137.10	138.00			DSPLT	213.00	6.00	-5.00	2.00	211.00	35.00	137.00
CQ00433	138.00	139.00			DSPLT	100.00	4.00	-5.00	2.00	154.00	42.00	161.00
CQ00434	139.00	140.00			DSPLT	71.00	3.00	-5.00	2.00	121.00	28.00	127.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00435	140.00	141.00			DSPLT	75.00	3.00	-5.00	1.00	121.00	30.00	902.00
CQ00436	141.00	142.10			DSPLT	1184.00	14.00	-5.00	2.00	569.00	56.00	237.00
CQ00437	142.10	143.20			DSPLT	819.00	10.00	11.00	2.00	723.00	45.00	1489.00
CQ00438	143.20	144.27			DSPLT	384.00	6.00	-5.00	2.00	361.00	24.00	59.00
CQ00439	144.27	145.00			DSPLT	75.00	-1.00	-5.00	1.00	66.00	63.00	96.00
CQ00440	177.00	177.77			DSPLT	73.00	3.00	-5.00	2.00	124.00	42.00	174.00
CQ00441	177.00	177.77	SD	CQ00440	DSPLT	67.00	3.00	-5.00	2.00	98.00	43.00	192.00
CQ00442	177.00	177.77	R	CQ00440	DSPLT	68.00	3.00	-5.00	2.00	120.00	40.00	162.00

DOWN HOLE SURVEY

HOLE ID	DEPTH	AZIMUTH	DIP	TYPE
QPD01004	0.00	90.00	-80.00	DM
QPD01004	3.00	90.15	-80.03	MB
QPD01004	6.00	89.92	-80.02	MB
QPD01004	9.00	89.61	-80.04	MB
QPD01004	12.00	89.56	-80.08	MB
QPD01004	15.00	89.47	-80.11	MB
QPD01004	18.00	89.59	-80.14	MB
QPD01004	21.00	89.69	-80.14	MB
QPD01004	24.00	89.64	-80.14	MB
QPD01004	27.00	89.68	-80.13	MB
QPD01004	30.00	89.88	-80.15	MB
QPD01004	33.00	89.94	-80.16	MB
QPD01004	36.00	89.68	-80.18	MB
QPD01004	39.00	89.79	-80.18	MB
QPD01004	42.00	89.70	-80.18	MB
QPD01004	45.00	89.74	-80.20	MB
QPD01004	48.00	89.79	-80.17	MB
QPD01004	51.00	89.67	-80.17	MB
QPD01004	54.00	89.68	-80.16	MB
QPD01004	57.00	89.92	-80.18	MB
QPD01004	60.00	89.56	-80.18	MB
QPD01004	63.00	89.69	-80.19	MB
QPD01004	66.00	89.51	-80.18	MB
QPD01004	69.00	89.38	-80.18	MB
QPD01004	72.00	89.48	-80.19	MB
QPD01004	75.00	89.63	-80.16	MB
QPD01004	78.00	89.35	-80.15	MB
QPD01004	81.00	89.19	-80.19	MB
QPD01004	84.00	89.11	-80.19	MB
QPD01004	87.00	89.03	-80.20	MB
QPD01004	90.00	89.40	-80.23	MB
QPD01004	93.00	89.46	-80.25	MB
QPD01004	96.00	89.48	-80.26	MB
QPD01004	99.00	89.67	-80.29	MB
QPD01004	102.00	89.89	-80.31	MB
QPD01004	105.00	90.02	-80.32	MB
QPD01004	108.00	90.07	-80.33	MB
QPD01004	111.00	90.26	-80.33	MB
QPD01004	114.00	90.22	-80.34	MB
QPD01004	117.00	90.30	-80.35	MB
QPD01004	120.00	90.18	-80.35	MB
QPD01004	123.00	90.29	-80.33	MB
QPD01004	126.00	90.62	-80.27	MB
QPD01004	129.00	90.75	-80.29	MB
QPD01004	132.00	90.53	-80.27	MB
QPD01004	135.00	90.49	-80.25	MB
QPD01004	138.00	90.57	-80.23	MB
QPD01004	141.00	90.39	-80.22	MB

QPD01004	144.00	90.36	-80.24	MB
QPD01004	147.00	90.56	-80.29	MB
QPD01004	150.00	90.59	-80.32	MB
QPD01004	153.00	90.52	-80.32	MB
QPD01004	156.00	90.41	-80.35	MB
QPD01004	159.00	90.46	-80.37	MB
QPD01004	162.00	90.37	-80.38	MB
QPD01004	165.00	90.57	-80.37	MB
QPD01004	168.00	90.68	-80.35	MB
QPD01004	171.00	90.86	-80.36	MB
QPD01004	174.00	90.93	-80.37	MB
QPD01004	177.00	90.90	-80.35	MB
QPD01004	180.00	90.84	-80.34	MB
QPD01004	183.00	90.94	-80.40	MB
QPD01004	186.00	91.25	-80.42	MB
QPD01004	189.00	91.14	-80.43	MB
QPD01004	192.00	91.29	-80.43	MB
QPD01004	195.00	91.42	-80.44	MB
QPD01004	198.00	91.46	-80.42	MB
QPD01004	204.00	91.65	-80.33	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01004	2.00	450.00
QPD01004	3.00	837.00
QPD01004	4.00	242.00
QPD01004	5.00	1065.00
QPD01004	6.00	652.00
QPD01004	7.00	541.00
QPD01004	8.00	850.00
QPD01004	9.00	880.00
QPD01004	10.00	600.00
QPD01004	11.00	490.00
QPD01004	12.00	816.00
QPD01004	13.00	522.00
QPD01004	14.00	430.00
QPD01004	15.00	712.00
QPD01004	16.00	762.00
QPD01004	17.00	865.00
QPD01004	18.00	1034.00
QPD01004	19.00	797.00
QPD01004	20.00	844.00
QPD01004	21.00	715.00
QPD01004	22.00	518.00
QPD01004	23.00	720.00
QPD01004	24.00	800.00
QPD01004	25.00	675.00
QPD01004	26.00	820.00
QPD01004	27.00	545.00
QPD01004	28.00	490.00
QPD01004	29.00	575.00
QPD01004	30.00	615.00
QPD01004	31.00	704.00
QPD01004	32.00	554.00
QPD01004	33.00	565.00
QPD01004	34.00	792.00
QPD01004	35.00	887.00
QPD01004	36.00	620.00
QPD01004	37.00	816.00
QPD01004	38.00	902.00
QPD01004	39.00	865.00
QPD01004	40.00	438.00
QPD01004	41.00	404.00
QPD01004	42.00	316.00
QPD01004	43.00	500.00
QPD01004	44.00	525.00
QPD01004	45.00	497.00
QPD01004	46.00	530.00
QPD01004	47.00	605.00
QPD01004	48.00	595.00
QPD01004	49.00	612.00

QPD01004	50.00	525.00
QPD01004	51.00	862.00
QPD01004	52.00	913.00
QPD01004	53.00	616.00
QPD01004	54.00	588.00
QPD01004	55.00	625.00
QPD01004	56.00	780.00
QPD01004	57.00	925.00
QPD01004	58.00	875.00
QPD01004	59.00	635.00
QPD01004	60.00	585.00
QPD01004	61.00	704.00
QPD01004	62.00	775.00
QPD01004	63.00	585.00
QPD01004	64.00	530.00
QPD01004	65.00	554.00
QPD01004	74.00	515.00
QPD01004	75.00	469.00
QPD01004	76.00	435.00
QPD01004	77.00	488.00
QPD01004	78.00	1081.00
QPD01004	79.00	560.00
QPD01004	80.00	369.00
QPD01004	81.00	330.00
QPD01004	82.00	300.00
QPD01004	83.00	483.00
QPD01004	84.00	502.00
QPD01004	85.00	924.00
QPD01004	86.00	620.00
QPD01004	87.00	672.00
QPD01004	92.00	782.00
QPD01004	93.00	542.00
QPD01004	94.00	563.00
QPD01004	95.00	224.00
QPD01004	96.00	505.00
QPD01004	97.00	1341.00
QPD01004	98.00	1170.00
QPD01004	99.00	745.00
QPD01004	100.00	760.00
QPD01004	101.00	500.00
QPD01004	102.00	620.00
QPD01004	103.00	310.00
QPD01004	104.00	56.00
QPD01004	105.00	95.00
QPD01004	106.00	507.00
QPD01004	107.00	140.00
QPD01004	108.00	766.00
QPD01004	109.00	1250.00
QPD01004	110.00	465.00
QPD01004	111.00	1227.00
QPD01004	112.00	484.00
QPD01004	113.00	17.00

QPD01004	114.00	468.00
QPD01004	115.00	680.00
QPD01004	116.00	1316.00
QPD01004	117.00	503.00
QPD01004	118.00	72.00
QPD01004	119.00	1858.00
QPD01004	120.00	519.00
QPD01004	121.00	3500.00
QPD01004	122.00	1025.00
QPD01004	123.00	735.00
QPD01004	124.00	3005.00
QPD01004	125.00	1025.00
QPD01004	126.00	1700.00
QPD01004	127.00	1025.00
QPD01004	128.00	1531.00
QPD01004	129.00	517.00
QPD01004	130.00	394.00
QPD01004	131.00	1491.00
QPD01004	132.00	0.00
QPD01004	133.00	2303.00
QPD01004	134.00	137.00
QPD01004	135.00	0.00
QPD01004	136.00	320.00
QPD01004	137.00	542.00
QPD01004	138.00	292.00
QPD01004	139.00	560.00
QPD01004	140.00	120.00
QPD01004	141.00	650.00
QPD01004	142.00	35.00
QPD01004	143.00	61.00
QPD01004	144.00	21.00
QPD01004	145.00	150.00
QPD01004	146.00	3090.00
QPD01004	147.00	980.00
QPD01004	148.00	1080.00
QPD01004	149.00	420.00
QPD01004	150.00	36.00
QPD01004	151.00	400.00
QPD01004	152.00	10.00
QPD01004	153.00	10.00
QPD01004	154.00	12.00
QPD01004	155.00	0.00
QPD01004	156.00	26.00
QPD01004	157.00	488.00
QPD01004	158.00	522.00
QPD01004	159.00	0.00
QPD01004	160.00	230.00
QPD01004	161.00	440.00
QPD01004	162.00	220.00
QPD01004	163.00	17.00
QPD01004	164.00	0.00
QPD01004	165.00	0.00

QPD01004	166.00	146.00
QPD01004	167.00	0.00
QPD01004	168.00	8.00
QPD01004	169.00	466.00
QPD01004	170.00	1407.00
QPD01004	171.00	1182.00
QPD01004	172.00	1392.00
QPD01004	173.00	582.00
QPD01004	174.00	1495.00
QPD01004	175.00	240.00
QPD01004	176.00	33.00
QPD01004	177.00	0.00
QPD01004	178.00	0.00
QPD01004	179.00	0.00
QPD01004	180.00	0.00
QPD01004	181.00	0.00
QPD01004	182.00	0.00
QPD01004	183.00	0.00
QPD01004	184.00	0.00
QPD01004	185.00	0.00
QPD01004	186.00	66.00
QPD01004	187.00	0.00
QPD01004	188.00	0.00
QPD01004	189.00	0.00
QPD01004	190.00	0.00
QPD01004	191.00	328.00
QPD01004	192.00	170.00
QPD01004	193.00	0.00
QPD01004	194.00	330.00
QPD01004	195.00	0.00
QPD01004	196.00	20.00
QPD01004	197.00	0.00
QPD01004	198.00	55.00
QPD01004	199.00	113.00
QPD01004	200.00	0.00
QPD01004	201.00	780.00
QPD01004	202.00	0.00
QPD01004	203.00	0.00
QPD01004	204.00	136.00
QPD01004	205.00	98.00
QPD01004	206.00	18.00
QPD01004	207.00	55.00
QPD01004	208.00	25.00
QPD01004	209.00	0.00
QPD01004	210.00	0.00
QPD01004	211.00	10.00
QPD01004	212.00	10.00
QPD01004	213.00	10.00
QPD01004	214.00	55.00
QPD01004	215.00	10.00

RQD

<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>WIDTH</i>	<i>RQD (m)</i>	<i>RQD (%)</i>	<i>NOTES</i>
QPD01004	3.00	6.00	0.00	0.00	0.66	
QPD01004	6.00	9.00	0.00	0.00	0.66	
QPD01004	9.00	12.00	0.00	0.00	0.75	
QPD01004	12.00	15.00	0.00	0.00	0.76	
QPD01004	15.00	18.00	0.00	0.00	0.95	
QPD01004	18.00	21.00	0.00	0.00	0.94	
QPD01004	21.00	24.00	0.00	0.00	0.98	
QPD01004	24.00	27.00	0.00	0.00	0.97	
QPD01004	27.00	30.00	0.00	0.00	0.98	
QPD01004	30.00	33.00	0.00	0.00	0.95	
QPD01004	33.00	36.00	0.00	0.00	0.95	
QPD01004	36.00	39.00	0.00	0.00	0.95	
QPD01004	39.00	42.00	0.00	0.00	0.95	
QPD01004	42.00	45.00	0.00	0.00	0.97	
QPD01004	45.00	48.00	0.00	0.00	1.00	
QPD01004	48.00	51.00	0.00	0.00	0.98	
QPD01004	51.00	54.00	0.00	0.00	0.93	
QPD01004	54.00	57.00	0.00	0.00	1.00	
QPD01004	57.00	60.00	0.00	0.00	1.00	
QPD01004	60.00	63.00	0.00	0.00	1.00	
QPD01004	75.00	78.00	0.00	0.00	0.99	
QPD01004	78.00	81.00	0.00	0.00	0.96	
QPD01004	81.00	84.00	0.00	0.00	0.98	
QPD01004	84.00	87.00	0.00	0.00	0.98	
QPD01004	93.00	96.00	0.00	0.00	1.00	
QPD01004	96.00	99.00	0.00	0.00	1.00	
QPD01004	99.00	102.00	0.00	0.00	0.93	
QPD01004	102.00	105.00	0.00	0.00	1.00	
QPD01004	105.00	108.00	0.00	0.00	0.97	
QPD01004	108.00	111.00	0.00	0.00	1.00	
QPD01004	111.00	114.00	0.00	0.00	0.68	
QPD01004	114.00	117.00	0.00	0.00	0.92	
QPD01004	117.00	120.00	0.00	0.00	0.87	
QPD01004	120.00	123.00	0.00	0.00	1.00	
QPD01004	123.00	126.00	0.00	0.00	0.82	
QPD01004	126.00	129.00	0.00	0.00	1.00	
QPD01004	129.00	132.00	0.00	0.00	0.78	
QPD01004	132.00	135.00	0.00	0.00	0.80	
QPD01004	135.00	138.00	0.00	0.00	0.94	

QPD01004	138.00	141.00	0.00	0.00	0.77
QPD01004	141.00	144.00	0.00	0.00	0.27
QPD01004	144.00	147.00	0.00	0.00	0.83
QPD01004	147.00	150.00	0.00	0.00	0.82
QPD01004	150.00	153.00	0.00	0.00	0.93
QPD01004	153.00	156.00	0.00	0.00	0.27
QPD01004	156.00	159.00	0.00	0.00	0.83
QPD01004	159.00	162.00	0.00	0.00	0.98
QPD01004	162.00	165.00	0.00	0.00	0.65
QPD01004	165.00	168.00	0.00	0.00	1.00
QPD01004	168.00	171.00	0.00	0.00	0.95
QPD01004	171.00	174.00	0.00	0.00	1.00
QPD01004	174.00	177.00	0.00	0.00	0.83
QPD01004	177.00	180.00	0.00	0.00	0.27
QPD01004	180.00	183.00	0.00	0.00	0.85
QPD01004	183.00	186.00	0.00	0.00	0.93
QPD01004	186.00	189.00	0.00	0.00	0.60
QPD01004	189.00	192.00	0.00	0.00	0.80
QPD01004	192.00	195.00	0.00	0.00	0.97
QPD01004	195.00	198.00	0.00	0.00	0.95
QPD01004	198.00	201.00	0.00	0.00	0.98
QPD01004	201.00	204.00	0.00	0.00	0.85
QPD01004	204.00	207.00	0.00	0.00	0.97
QPD01004	207.00	210.00	0.00	0.00	0.97
QPD01004	210.00	213.00	0.00	0.00	1.00
QPD01004	213.00	215.00	0.00	0.00	0.75

DRILL LOG QPD01005

ZONE:	PAPAVOINE	EASTING UTM:	651497.52	DDH STARTED:	4/28/01
SITE:	LAND	NORTHING UTM:	6330392.04	DDH FINISHED:	4/30/01
ORIENTATED:	Yes	ELEVATION (m):	327.93	GEOLOGIST 1:	JIM MCKINNON MATTHEWS
GEOTECH:	Yes	BEARING:	90	GEOLOGIST 2:	JOHN EVEREST
CASING (m):	6.00	DIP:	-80.00	LOG COMPLETED:	5/5/01
		LENGTH (m):	372.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

This hole was collared targeting the basal contact of the mafic intrusion based on a broad surface UTEM and AEM anomaly, in mg troctolite/gabbroic rock and continued with varying mafic composition until the footwall was intersected at 290.49m downhole. The footwall rocktypes of gneiss and granite were variably hornfelsed for 17m into the footwall. A prominent "mixing zone" consisting of contaminated mafic with footwall material was intersected from 248.45m until 290.49m. This "mixing zone" consisted of varying amounts of spo-scp-se up to 10% and up to 14% in the hornfelsed footwall gneiss and granite.

DHEM conducted on this hole indicated there was no inhole or offhole conductor.

DRILL LOG: QPD01005

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		<i>Ore</i>	<i>Rock type 1</i>	%	<i>Pre</i>	<i>Sufx 1</i>	<i>Sufx 2</i>	<i>Rock type 2</i>	%	<i>Pre</i>	<i>Sufx 1</i>	<i>Sufx 2</i>	<i>Tone</i>	<i>Colour</i>	<i>Type</i>	<i>CA</i>	<i>CA Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>

0.00	6.00	UG	100	0															
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6.00	24.00	Mtr	100	0															
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light grey mg to cg troctolite. green olivine and white plagioclase with minor pyroxenes. Plagioclase is twinned and occur as tabular laths. This unit grades into a darker grey troctolite with labradorite being the dominant plagioclase. Minor sharp edged oxides are present disseminated throughout interval. trace fg disseminated sulphides throughout as with biotite. Cumulate coarsly crystalline textures.

<i>TEXTURES</i>	<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>
6.00	24.00	yc			1	
6.00	24.00	cm			1	
6.00	24.00	cm			1	

<i>MINERALOGY</i>	<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>C colour</i>	<i>Rock No</i>	<i>Notes</i>
6.00	24.00	mb	1	fg						1	
6.00	24.00	po	3	su						1	
6.00	24.00	fp	55	eu						1	
6.00	24.00	o	40	su						1	
6.00	24.00	xil	0.5	ds						1	
6.00	24.00	xm	0.5	ds						1	

<i>SULPHIDES</i>	<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
6.00	24.00	spo	0.20	ds				

24.00	76.75	Mgno	100	0															
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Unit of blue grey medium grained olivine gabbro -norite (poss.troctolite) with gradational upper contact to "normal" troctolite (prob.gabbro-norite). Plag becomes more asicular and is probably labradorite due to darker colour and is lath shaped. Interval contains up to 10-15% orthopyroxene and clinopyroxene and olivine. This unit contains a number of megacrystic gabbro - norite intervals (including 42.46-43.2, 45.6-45.71, 48.14-50.13, 52.73-52.83, 55.09-56.09) with sharp upper and lower margins that contain abundant cg magnetite, ilmenite and minor sulphides. Additionally a particularly wide interval dominated by megacrystic units is present from 76.75 to 87.40m. Equivalent unit seen in 01-007.

<i>TEXTURES</i>	<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>
24.00	122.00	mg			1	

<i>MINERALOGY</i>	<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>C colour</i>	<i>Rock No</i>	<i>Notes</i>
24.00	122.00	o		su						1	

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
24.00	122.00	mb	1				1												
24.00	122.00	pc					1												
24.00	122.00	pc					1												
24.00	122.00	po	7.5				1												
24.00	122.00	xm	1				1												
24.00	122.00	xil	1				1												
24.00	122.00	fp	55				1												
24.00	122.00	po	7.5				1												

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
24.00	122.00	spo	0.10	ds					

76.75 87.40 Mgn&Mgno 100 0 Irr

Interval dominated by megacrystic 2 pyroxene, zoned, twinned and bladed plagioclase (occasionally connected via terminal crystal faces, probably 101), +/- K-feldspar, bladed magnetite, minor chlorite, 2 secondary carbonates (in part vug infill and freely crystallised including pyrite cubes, siderite and calcite crystals; 85.1 to 86.25m is a particularly vuggy zone). Minor biotite and scattered agglomerations of sulphides, mainly pyrrhotite and chalcopyrite, are also present. Remnants of the surrounding units are intercalated, including 77.55 to 77.75m, 78.20 to 78.82m, 80.53 to 80.80m. Intermediates between the two also exist. All contacts between the units are irregular but distinct and suggest that they were near liquidus condition at time of mixing.

<i>TEXTURES</i>		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>
122.00	218.95		cm			1	
122.00	218.95		ym			1	

87.40 122.00 Mgno 100 0

similar to unit at 24 to 76.75 m.

122.00 218.95 M^lgno 100 0 Gr

This unit is a gradation from the olivine gabbro-norite of 24-122m. It is now slightly more leucocratic. Mineralogically and texturally it is similar but plag content is slightly higher. Locally thin interzones of the blue-grey variant are present. A megacrystic zone equivalent to 76.75-86.25m is present at 157.7-163m, however here it is sulphide poor and has lesser chlorite and carbonate alteration. From 213.7-218.95m thin chlorite- carbonate alteration bands irregularly occur, seemingly associated with thin fractures perpendicular to core.

<i>MINERALOGY</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>
122.00	218.95	b									1	
122.00	218.95	c		rp							1	
122.00	218.95	xm		ds							1	

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT									
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
122.00	218.95	mb	1	ds					1												
122.00	218.95	o		an					1												
122.00	218.95	o		rb					1												
122.00	218.95	pc		an					1												
122.00	218.95	po		an					1												
122.00	218.95	po		su					1												
122.00	218.95	fp		cm					1												
122.00	218.95	fp		su					1												
122.00	218.95	fp	65	lh					1												

218.95 224.75 Mgn&Mgno 100 0

Zone of dominantly megacrystic mafic (refer 76.75-86.25m for minerals and textures). Interzones of coarse crystalline component, remnant host mafic, and a mix of the two.

224.75 248.45 M^Igno 100 0

Equivalent to 122 to 218.95m (refer for minerals and textures).

248.45 257.49 M-cgno 100 0

Coarse grained unit of Mgno, subophitic texture where large pyroxenes partially enclose grains of plagioclase, base of unit consists of a basal breccia which has been broken out as a distinct unit, composition is plagioclase+2 pyroxenes+olivine+sulfides, pyroxene grains to 3 cm (megacrystic dominant zone).

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
248.45	257.49		os			1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
249.60	253.52	spo	1.00	ds					
253.52	255.00	scp	0.20	ds					
253.52	255.00	spo	1.50	by					
255.00	255.86	spo	1.00	ds					
255.86	257.49	scp	0.30	ds					
255.86	257.49	spo	2.00	ds					

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
257.49	258.42		gB			100					0								Gr

Basal breccia unit of Mgno composition with small (1 to 3 cm) ragged to angular clasts of country rock, gradational upper contact, sharp lower contact, similar to previous unit but with the addition of clasts.

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
257.49	258.42	se	0.50	by					
257.49	258.42	scp	1.00	by					
257.49	258.42	spo	4.00	by					

258.42	262.23		Mgno			100					0								Shp	47		-40	326
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Dominantly a medium grained version of the olivine gabbro norite observed previously, grain size coarsen towards the lower gradational contact with a basal breccia, light to medium grey colour.

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
258.42	259.81	spo	0.50	ds					
258.42	259.81	scp	0.50	ds					
258.42	259.81	spo	2.00	ds					
259.81	262.23	scp	0.20	ds					
259.81	262.23	spo	1.00	ds					

262.23	262.49		gB			100					0												
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Basal breccia unit of Mgno composition with small (1 to 3 cm) ragged to angular clasts of country rock, gradational upper contact and lower contacts, similar to previous unit but with the addition of clasts.

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
262.23	262.49	scp	0.50	ds					
262.23	262.49	spo	5.00	by					

262.49	275.00		Mgno			100					0												
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Variably textured unit of olivine gabbro norite, dominantly medium grained but locally coarse, 5 cm wide olivine cumulate zone at 269.78 to 269.93 m, zonation of pyroxenes is common throughout unit, narrow digestion breccia at 273.45 to 273.62, strong serpentine/silicification of unit at 271.37 to 271.57 m - destruction of sulfides, magnetite locally intimately associated with sulfides - haloed by sulfides

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
270.00	270.15	xm	2	by							1	

FROM	TO	ROCK 1					ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

271.37	271.57	r	10	'l					1											
273.90	274.60	xm	3	by					1											

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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262.49	265.33	scp	0.30	ds					
262.49	265.33	spo	2.00	by					
265.33	267.00	spo	3.00	by					
265.33	267.00	scp	0.50	ds					
265.33	267.00	se	0.30	ds					
268.69	270.00	se	0.20	ds					
268.69	270.00	spo	2.00	by					
268.69	270.00	scp	0.50	by					
270.00	270.15	scp	2.00	by					
270.00	270.15	se	0.50	ds					
270.00	270.15	spo	8.00	by					
270.15	273.90	spo	1.50	ds					
270.15	273.90	scp	0.20	ds					
273.90	274.60	spo	6.00	by					
273.90	274.60	scp	1.50	by					
273.90	274.60	se	0.50	by					
274.60	275.00	scp	0.50	ds					
274.60	275.00	spo	3.00	by					

275.00	278.00	M^jgno	100	0
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Gradational contact with previous unit, olivine gabbro norite has become more mafic looking, serpentine replacement of mafic minerals locally, medium grained.

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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275.00	276.11	scp	0.20	ds					
275.00	276.11	se	0.30	ds					
275.00	276.11	spo	3.00	by					
276.11	276.88	spo	0.30	ds					
276.88	278.00	se	0.50	ds					

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

276.88	278.00	scp	0.50	by															
276.88	278.00	spo	6.00	by															

278.00	278.47	iU																	
			100																0

Unit is quite strongly silicified, layered appearance (mm scale) - magmatic layering (?) or multiple narrow fractures, layering defined by serpentine, dark grey to black, vy fn grain and uniform.

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
278.00	278.47	se	0.30	ds					
278.00	278.47	spo	4.00	by					
278.00	278.47	scp	1.00	by					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
278.00	278.47	la		2	80				magmatic layering (?)

278.47	284.00	M^jgno																	
			100																0

Mafic version of olivine gabbro norite, medium grain, dark grey, narrow serpentinitic fractures throughout - mafic minerals altered to serpentine along fractures, locally coarse grained

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
278.47	282.00	xm	5	by							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
278.47	282.00	se	0.50	ds					
278.47	282.00	scp	1.00	by					
278.47	282.00	spo	5.00	by					
282.00	282.52	se	0.20	ds					
282.00	282.52	scp	0.20	ds					
282.00	282.52	spo	1.50	by					
282.52	283.21	spo	0.50	ds					
283.21	284.00	se	0.50	ds					
283.21	284.00	scp	1.00	by					
283.21	284.00	spo	5.00	by					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
278.47	279.80	fs		2	80				serpentinitic fractures

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
284.00	284.52	iU		100				0											

Similar to previous unit of the same

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
284.00	284.52	scp	0.50	by					
284.00	284.52	spo	3.00	by					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
284.00	284.52	fs		1	80				

284.52 286.41 M^jgno 100 0

similar to previous unit of the same, diffuse grain boundaries, most sulfides appear to have formed where the unit is more leucocratic - potentially forming from digestion of wallrock, multiple serpentinitic fractures throughout,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
284.52	286.41	xm	3	by							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
284.52	286.41	se	1.00	ds					
284.52	286.41	scp	1.00	by					
284.52	286.41	spo	7.00	by					

286.41 287.22 iU&Mgno 100 0

well layered unit of ultramafic rock interlayered with olivine gabbro norite, cumulate textured, hard (silicified?), most sulfides within more leucocratic rock,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
286.41	287.22	xm	3	by							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
286.41	287.22	se	0.50	ds					
286.41	287.22	scp	1.00	by					
286.41	287.22	spo	8.00	by					

287.22 290.49 M^jgno 100 0

medium grained, mafic - locally leucocratic, sulfides are more dominant in zones which are more leucocratic, chalcopyrite observed forming on the 'top' of pyrrhotite grains - possibly due to late local fractionation of chalcopyrite from MSS, most sulfides appear to have formed interstitially to the plagioclase grains, cg magnetite intimately associated with sulphides

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT				
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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287.22	290.49	xm	5	by							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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287.22	290.49	se	0.50	ds					
287.22	290.49	scp	1.00	by					
287.22	290.49	spo	7.00	by					

290.49	307.70	fnR	100						0			
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hornfels zone, brownish grey colouration of unit due to occurrence of significant albitization with biotite, initially pyrrhotite rich over first few meters but becoming more pentlandite and chalcopyrite rich with increasing distance from the contact, abundance of sulfides decreases with increasing depth, sulfides tend to parallel foliation with increasing depth, no evidence of graphite, at 290.49 to 292 m unit is intensely deformed - serpentinised. Fault gouge evident as is consolidated fault breccia. Sulphides reduced to trace amounts, as disseminations, strongly broken core,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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290.49	307.70	fal	15	'l							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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290.49	291.55	spo	0.50	ds					
291.55	292.00	spo	2.00	ds					
292.00	293.33	spo	9.00	by					
292.00	293.33	scp	2.00	by					
292.00	293.33	se	1.00	ds					
293.33	293.93	scp	0.30	ds					
293.33	293.93	spo	1.50	ds					
294.38	295.77	se	1.50	ds					
294.38	295.77	spo	0.30	ds					
294.38	295.77	scp	1.50	ds					
295.77	297.48	se	0.50	ds					
298.43	299.75	se	1.00	ds					
299.75	301.44	se	2.00	ds					
299.75	301.44	scp	0.30	ds					
301.44	307.70	se	0.10	ds					
301.44	307.70	scp	0.10	ds					

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
290.49	292.00	fz		2					strongly broken core - serpentized

307.70	372.00	Fg&-aR^g		100				0	
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Mixed zone consisting of irregularly alternating footwall units of granites and gneisses. The gneisses are dominantly at high angles to core (0-50 deg) and dominantly comprised of quartz, feldspar and biotite with minor sulphides. They are notably graphite poor and no garnets are present (as compared to hole 007). Darker variants are amphibolitic and pyroxenitic. At least two granitic intrusives are present, differing mainly in K-feldspar content, but with similar biotite content. Many contacts are sharp and cross-cutting the gneisses. The granites show evidence of alteration. They contain trace sulphides.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
307.70	372.00	mb		rn							1	
307.70	372.00	mb		ds							1	

Assay Results for: QPD01005

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00575	0.00	0.00	QS	LN1	STAND	14891.00	170.00	84.00	48.00	708.00	303.00	142.00
CQ00625	0.00	0.00	QS	LN1	STAND	14541.00	151.00	74.00	43.00	717.00	367.00	145.00
CQ00750	0.00	0.00	QS	LN1	STAND	11895.00	139.00	59.00	38.00	586.00	262.00	98.00
CQ00825	0.00	0.00	QS	LN1	STAND	14983.00	162.00	77.00	47.00	748.00	282.00	132.00
CQ00775	0.00	0.00	QS	LN1	STAND	15488.00	171.00	74.00	46.00	780.00	288.00	132.00
CQ00731	6.00	7.00			DSPLT	268.00	1.00	-5.00	2.00	120.00	60.00	65.00
CQ00732	9.00	10.00			DSPLT	206.00	-1.00	-5.00	2.00	22.00	46.00	57.00
CQ00733	12.00	13.00			DSPLT	304.00	-1.00	-5.00	2.00	37.00	62.00	78.00
CQ00734	15.00	16.00			DSPLT	126.00	-1.00	-5.00	-1.00	19.00	38.00	54.00
CQ00735	18.00	19.00			DSPLT	223.00	-1.00	-5.00	1.00	33.00	52.00	65.00
CQ00736	21.00	22.00			DSPLT	133.00	-1.00	-5.00	-1.00	23.00	39.00	57.00
CQ00737	24.00	25.00			DSPLT	124.00	-1.00	-5.00	2.00	22.00	38.00	54.00
CQ00738	27.00	28.00			DSPLT	114.00	-1.00	-5.00	1.00	21.00	37.00	54.00
CQ00739	30.00	31.00			DSPLT	145.00	-1.00	-5.00	-1.00	25.00	40.00	56.00
CQ00740	33.00	34.00			DSPLT	168.00	-1.00	-5.00	-1.00	29.00	43.00	61.00
CQ00741	33.00	34.00	SD	CQ00740	DSPLT	166.00	-1.00	-5.00	-1.00	28.00	42.00	58.00
CQ00742	33.00	34.00	R	CQ00740	DSPLT	180.00	-1.00	-5.00	-1.00	30.00	46.00	64.00
CQ00743	36.00	37.00			DSPLT	178.00	-1.00	-5.00	1.00	31.00	46.00	63.00
CQ00744	39.00	40.00			DSPLT	132.00	-1.00	-5.00	-1.00	34.00	40.00	56.00
CQ00745	42.00	43.00			DSPLT	29.00	-1.00	-5.00	1.00	26.00	29.00	70.00
CQ00746	45.00	46.00			DSPLT	121.00	-1.00	-5.00	2.00	45.00	47.00	71.00
CQ00747	48.00	49.00			DSPLT	52.00	-1.00	-5.00	-1.00	42.00	67.00	76.00
CQ00748	51.00	52.00			DSPLT	191.00	-1.00	-5.00	-1.00	36.00	44.00	59.00
CQ00749	54.00	55.00			DSPLT	92.00	-1.00	-5.00	-1.00	36.00	37.00	54.00
CQ00751	57.00	58.00			DSPLT	232.00	-1.00	-5.00	-1.00	26.00	43.00	57.00
CQ00752	60.00	61.00			DSPLT	172.00	-1.00	-5.00	-1.00	24.00	39.00	54.00
CQ00753	63.00	64.00			DSPLT	172.00	-1.00	-5.00	-1.00	27.00	39.00	57.00
CQ00754	66.00	67.00			DSPLT	166.00	-1.00	-5.00	-1.00	29.00	39.00	52.00
CQ00755	69.00	70.00			DSPLT	167.00	-1.00	-5.00	-1.00	31.00	40.00	55.00
CQ00756	72.00	73.00			DSPLT	80.00	-1.00	-5.00	-1.00	46.00	39.00	52.00
CQ00757	75.00	76.00			DSPLT	167.00	-1.00	-5.00	-1.00	28.00	37.00	51.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00758	78.00	79.00			DSPLT	97.00	-1.00	-5.00	-1.00	47.00	41.00	63.00
CQ00759	81.00	82.00			DSPLT	23.00	-1.00	-5.00	-1.00	29.00	38.00	64.00
CQ00761	84.00	85.00	SD	CQ00760	DSPLT	35.00	-1.00	-5.00	-1.00	51.00	45.00	80.00
CQ00762	84.00	85.00	R	CQ00760	DSPLT	34.00	-1.00	-5.00	-1.00	50.00	46.00	88.00
CQ00760	84.00	85.00			DSPLT	31.00	-1.00	-5.00	-1.00	40.00	44.00	73.00
CQ00763	87.00	88.00			DSPLT	131.00	-1.00	-5.00	-1.00	62.00	66.00	97.00
CQ00764	90.00	91.00			DSPLT	162.00	-1.00	-5.00	-1.00	24.00	34.00	67.00
CQ00765	93.00	94.00			DSPLT	172.00	-1.00	-5.00	-1.00	24.00	33.00	56.00
CQ00766	96.00	97.00			DSPLT	188.00	-1.00	-5.00	-1.00	25.00	35.00	59.00
CQ00767	99.00	100.00			DSPLT	171.00	-1.00	-5.00	-1.00	22.00	34.00	58.00
CQ00768	102.00	103.00			DSPLT	173.00	-1.00	-5.00	-1.00	25.00	36.00	60.00
CQ00769	105.00	106.00			DSPLT	325.00	-1.00	-5.00	-1.00	25.00	46.00	65.00
CQ00770	108.00	109.00			DSPLT	224.00	-1.00	-5.00	-1.00	22.00	39.00	55.00
CQ00771	111.00	112.00			DSPLT	215.00	-1.00	-5.00	-1.00	26.00	40.00	56.00
CQ00772	114.00	115.00			DSPLT	208.00	-1.00	-5.00	-1.00	26.00	38.00	56.00
CQ00773	117.00	118.00			DSPLT	215.00	-1.00	-5.00	-1.00	25.00	37.00	55.00
CQ00774	120.00	121.00			DSPLT	194.00	-1.00	-5.00	-1.00	25.00	36.00	55.00
CQ00776	123.00	124.00			DSPLT	188.00	-1.00	-5.00	-1.00	28.00	37.00	56.00
CQ00777	126.00	127.00			DSPLT	162.00	-1.00	-5.00	-1.00	24.00	33.00	49.00
CQ00778	129.00	130.00			DSPLT	174.00	-1.00	-5.00	-1.00	25.00	33.00	55.00
CQ00779	132.00	133.00			DSPLT	203.00	-1.00	-5.00	-1.00	27.00	38.00	58.00
CQ00782	135.00	136.00	R	CQ00780	DSPLT	220.00	-1.00	-5.00	-1.00	26.00	40.00	60.00
CQ00781	135.00	136.00	SD	CQ00780	DSPLT	220.00	-1.00	-5.00	-1.00	26.00	40.00	60.00
CQ00780	135.00	136.00			DSPLT	218.00	-1.00	-5.00	-1.00	26.00	40.00	60.00
CQ00783	138.00	139.00			DSPLT	203.00	-1.00	-5.00	-1.00	24.00	38.00	57.00
CQ00784	141.00	142.00			DSPLT	207.00	-1.00	-5.00	-1.00	21.00	40.00	61.00
CQ00785	144.00	145.00			DSPLT	213.00	-1.00	-5.00	-1.00	18.00	37.00	59.00
CQ00786	147.00	148.00			DSPLT	258.00	-1.00	-5.00	-1.00	19.00	38.00	56.00
CQ00787	150.00	151.00			DSPLT	248.00	-1.00	-5.00	-1.00	23.00	41.00	58.00
CQ00788	153.00	154.00			DSPLT	263.00	-1.00	-5.00	-1.00	21.00	41.00	57.00
CQ00789	156.00	157.00			DSPLT	241.00	-1.00	-5.00	-1.00	23.00	50.00	64.00
CQ00790	159.00	160.00			DSPLT	142.00	-1.00	-5.00	-1.00	21.00	58.00	75.00
CQ00791	162.00	163.00			DSPLT	223.00	-1.00	-5.00	-1.00	50.00	95.00	120.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00792	165.00	166.00			DSPLT	217.00	-1.00	-5.00	-1.00	23.00	39.00	59.00
CQ00793	168.00	169.00			DSPLT	272.00	-1.00	-5.00	-1.00	27.00	43.00	60.00
CQ00794	171.00	172.00			DSPLT	263.00	-1.00	-5.00	-1.00	25.00	41.00	56.00
CQ00795	174.00	175.00			DSPLT	216.00	-1.00	-5.00	-1.00	27.00	39.00	57.00
CQ00796	177.00	178.00			DSPLT	205.00	-1.00	-5.00	-1.00	26.00	37.00	55.00
CQ00797	180.00	181.00			DSPLT	250.00	-1.00	-5.00	-1.00	27.00	41.00	59.00
CQ00798	183.00	184.00			DSPLT	258.00	-1.00	-5.00	-1.00	28.00	43.00	61.00
CQ00799	186.00	187.00			DSPLT	244.00	-1.00	-5.00	11.00	27.00	41.00	57.00
CQ00802	189.00	190.00	R	CQ00800	DSPLT	182.00	-1.00	-5.00	-1.00	25.00	34.00	49.00
CQ00800	189.00	190.00			DSPLT	178.00	-1.00	-5.00	-1.00	24.00	33.00	49.00
CQ00801	189.00	190.00	SD	CQ00800	DSPLT	176.00	-1.00	-5.00	-1.00	24.00	34.00	48.00
CQ00803	192.00	193.00			DSPLT	190.00	-1.00	-5.00	-1.00	25.00	33.00	48.00
CQ00804	195.00	196.00			DSPLT	236.00	-1.00	-5.00	-1.00	27.00	38.00	53.00
CQ00805	198.00	199.00			DSPLT	265.00	-1.00	-5.00	-1.00	30.00	39.00	54.00
CQ00806	201.00	202.00			DSPLT	217.00	-1.00	-5.00	-1.00	27.00	36.00	49.00
CQ00807	204.00	205.00			DSPLT	229.00	-1.00	-5.00	1.00	29.00	37.00	52.00
CQ00808	207.00	208.00			DSPLT	236.00	-1.00	-5.00	-1.00	28.00	38.00	52.00
CQ00809	210.00	211.00			DSPLT	262.00	-1.00	-5.00	-1.00	31.00	40.00	53.00
CQ00810	213.00	214.00			DSPLT	252.00	-1.00	-5.00	-1.00	30.00	38.00	49.00
CQ00811	216.00	217.00			DSPLT	178.00	-1.00	-5.00	-1.00	27.00	32.00	43.00
CQ00812	219.00	220.00			DSPLT	220.00	1.00	-5.00	-1.00	89.00	35.00	41.00
CQ00813	222.00	223.00			DSPLT	158.00	-1.00	-5.00	-1.00	49.00	30.00	43.00
CQ00814	225.00	226.00			DSPLT	233.00	-1.00	-5.00	-1.00	57.00	40.00	54.00
CQ00815	228.00	229.00			DSPLT	247.00	-1.00	-5.00	-1.00	40.00	45.00	59.00
CQ00816	231.00	232.00			DSPLT	247.00	-1.00	-5.00	-1.00	41.00	42.00	59.00
CQ00817	234.00	235.00			DSPLT	238.00	-1.00	-5.00	-1.00	28.00	38.00	52.00
CQ00818	237.00	238.00			DSPLT	269.00	-1.00	-5.00	-1.00	29.00	43.00	60.00
CQ00819	240.00	241.00			DSPLT	304.00	-1.00	-5.00	-1.00	37.00	45.00	59.00
CQ00820	243.00	244.00			DSPLT	230.00	-1.00	-5.00	-1.00	30.00	36.00	49.00
CQ00821	243.00	244.00	SD	CQ00820	DSPLT	243.00	-1.00	-5.00	-1.00	34.00	37.00	51.00
CQ00822	243.00	244.00	R	CQ00820	DSPLT	200.00	-1.00	-5.00	-1.00	25.00	31.00	44.00
CQ00823	246.00	247.00			DSPLT	207.00	-1.00	-5.00	-1.00	28.00	35.00	55.00
CQ00824	249.00	249.68			DSPLT	208.00	5.00	-5.00	2.00	82.00	39.00	63.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00567	250.00	250.99			DSPLT	211.00	4.00	-5.00	1.00	70.00	43.00	66.00
CQ00568	250.99	252.00			DSPLT	216.00	3.00	-5.00	-1.00	86.00	40.00	62.00
CQ00569	252.00	253.00			DSPLT	250.00	4.00	-5.00	2.00	109.00	41.00	61.00
CQ00570	253.00	254.00			DSPLT	234.00	3.00	-5.00	2.00	87.00	38.00	58.00
CQ00571	254.00	255.00			DSPLT	272.00	4.00	-5.00	1.00	129.00	43.00	67.00
CQ00572	255.00	255.86			DSPLT	281.00	4.00	-5.00	2.00	82.00	41.00	61.00
CQ00573	255.86	256.50			DSPLT	495.00	5.00	8.00	3.00	163.00	58.00	74.00
CQ00574	256.50	257.49			DSPLT	386.00	4.00	-5.00	3.00	133.00	46.00	64.00
CQ00576	257.49	258.42			DSPLT	1054.00	13.00	-5.00	14.00	676.00	65.00	65.00
CQ00577	258.42	259.30			DSPLT	481.00	4.00	-5.00	2.00	216.00	65.00	68.00
CQ00578	259.30	260.24			DSPLT	647.00	6.00	5.00	5.00	338.00	63.00	60.00
CQ00579	260.24	261.24			DSPLT	201.00	-1.00	-5.00	1.00	45.00	55.00	66.00
CQ00580	261.24	262.23			DSPLT	159.00	1.00	-5.00	2.00	38.00	47.00	62.00
CQ00581	261.24	262.23	SD	CQ00580	DSPLT	175.00	2.00	-5.00	1.00	47.00	51.00	63.00
CQ00582	261.24	262.23	R	CQ00580	DSPLT	156.00	-1.00	-5.00	-1.00	37.00	46.00	61.00
CQ00583	262.23	262.49			DSPLT	360.00	5.00	-5.00	2.00	212.00	56.00	66.00
CQ00584	262.49	263.44			DSPLT	654.00	4.00	-5.00	3.00	380.00	64.00	73.00
CQ00585	263.44	264.20			DSPLT	409.00	1.00	5.00	2.00	225.00	49.00	55.00
CQ00586	264.20	264.85			DSPLT	184.00	-1.00	-5.00	1.00	52.00	42.00	53.00
CQ00587	264.85	265.33			DSPLT	102.00	-1.00	-5.00	-1.00	32.00	46.00	66.00
CQ00588	265.33	266.00			DSPLT	1310.00	14.00	8.00	4.00	824.00	67.00	65.00
CQ00589	266.00	267.00			DSPLT	666.00	11.00	-5.00	4.00	465.00	60.00	62.00
CQ00590	267.00	268.00			DSPLT	167.00	-1.00	-5.00	-1.00	39.00	52.00	63.00
CQ00591	268.00	268.69			DSPLT	199.00	7.00	-5.00	4.00	30.00	57.00	63.00
CQ00592	268.69	269.20			DSPLT	200.00	4.00	-5.00	2.00	113.00	51.00	55.00
CQ00593	269.20	270.00			DSPLT	849.00	17.00	14.00	10.00	662.00	77.00	70.00
CQ00594	270.00	271.00			DSPLT	1540.00	24.00	9.00	5.00	1007.00	102.00	87.00
CQ00595	271.00	272.00			DSPLT	104.00	-1.00	-5.00	2.00	36.00	47.00	62.00
CQ00596	272.00	273.00			DSPLT	421.00	8.00	-5.00	3.00	206.00	62.00	71.00
CQ00597	273.00	273.90			DSPLT	365.00	7.00	-5.00	2.00	203.00	59.00	71.00
CQ00598	273.90	274.60			DSPLT	1347.00	27.00	8.00	6.00	948.00	81.00	72.00
CQ00599	274.60	275.00			DSPLT	308.00	5.00	-5.00	2.00	198.00	56.00	63.00
CQ00600	275.00	276.11			DSPLT	561.00	9.00	6.00	2.00	363.00	62.00	62.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00601	275.00	276.11	SD	CQ00600	DSPLT	630.00	10.00	8.00	2.00	418.00	62.00	62.00
CQ00602	275.00	276.11	R	CQ00600	DSPLT	543.00	8.00	-5.00	2.00	344.00	60.00	60.00
CQ00603	276.11	276.88			DSPLT	339.00	3.00	-5.00	1.00	161.00	68.00	68.00
CQ00604	276.88	278.00			DSPLT	1817.00	32.00	9.00	6.00	1364.00	110.00	80.00
CQ00605	278.00	278.47			DSPLT	2744.00	59.00	21.00	12.00	1534.00	159.00	105.00
CQ00606	278.47	279.00			DSPLT	1518.00	24.00	9.00	6.00	1081.00	92.00	62.00
CQ00607	279.00	280.00			DSPLT	2257.00	41.00	17.00	10.00	1812.00	120.00	84.00
CQ00608	280.00	281.00			DSPLT	1513.00	29.00	10.00	7.00	1173.00	106.00	86.00
CQ00609	281.00	282.00			DSPLT	1251.00	22.00	6.00	25.00	902.00	91.00	76.00
CQ00610	282.00	282.52			DSPLT	507.00	10.00	-5.00	2.00	369.00	63.00	63.00
CQ00611	282.52	283.24			DSPLT	175.00	19.00	-5.00	13.00	80.00	65.00	84.00
CQ00612	283.24	284.00			DSPLT	974.00	18.00	7.00	5.00	829.00	89.00	87.00
CQ00613	284.00	284.52			DSPLT	1189.00	21.00	9.00	4.00	812.00	114.00	90.00
CQ00614	284.52	285.52			DSPLT	2766.00	61.00	23.00	11.00	2485.00	159.00	96.00
CQ00615	285.52	286.41			DSPLT	2092.00	48.00	8.00	6.00	1789.00	135.00	100.00
CQ00616	286.41	287.22			DSPLT	2276.00	41.00	18.00	7.00	2011.00	162.00	99.00
CQ00617	287.22	288.25			DSPLT	1025.00	10.00	7.00	4.00	997.00	98.00	63.00
CQ00618	288.25	289.11			DSPLT	779.00	6.00	9.00	2.00	825.00	90.00	70.00
CQ00619	289.11	289.82			DSPLT	1402.00	19.00	10.00	7.00	1566.00	122.00	90.00
CQ00620	289.82	290.49			DSPLT	644.00	12.00	10.00	2.00	671.00	123.00	107.00
CQ00621	289.82	290.49	SD	CQ00620	DSPLT	838.00	13.00	9.00	4.00	696.00	132.00	108.00
CQ00622	289.82	290.49	R	CQ00620	DSPLT	641.00	12.00	10.00	2.00	660.00	122.00	108.00
CQ00623	290.49	291.50			DSPLT	277.00	6.00	6.00	-1.00	296.00	58.00	60.00
CQ00624	291.50	292.00			DSPLT	535.00	11.00	9.00	2.00	416.00	97.00	128.00
CQ00626	292.00	292.64			DSPLT	3440.00	32.00	23.00	6.00	3362.00	258.00	147.00
CQ00627	292.64	293.33			DSPLT	1212.00	14.00	10.00	3.00	1088.00	114.00	117.00
CQ00628	293.33	293.93			DSPLT	442.00	8.00	7.00	2.00	410.00	66.00	159.00
CQ00629	293.93	294.38			DSPLT	48.00	-1.00	-5.00	1.00	48.00	22.00	85.00
CQ00630	294.38	295.05			DSPLT	299.00	7.00	9.00	2.00	604.00	45.00	131.00
CQ00631	295.05	295.77			DSPLT	805.00	18.00	16.00	16.00	1844.00	48.00	160.00
CQ00632	295.77	296.61			DSPLT	98.00	2.00	-5.00	-1.00	108.00	26.00	117.00
CQ00633	296.61	297.48			DSPLT	31.00	-1.00	-5.00	-1.00	48.00	18.00	100.00
CQ00634	297.48	298.43			DSPLT	69.00	1.00	-5.00	1.00	38.00	22.00	94.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00635	298.43	299.00			DSPLT	64.00	-1.00	-5.00	-1.00	203.00	40.00	86.00
CQ00636	299.00	299.75			DSPLT	64.00	-1.00	-5.00	1.00	430.00	62.00	126.00
CQ00637	299.75	300.50			DSPLT	86.00	-1.00	-5.00	-1.00	496.00	61.00	125.00
CQ00638	300.50	301.44			DSPLT	87.00	1.00	-5.00	-1.00	322.00	44.00	113.00
CQ00639	301.44	302.50			DSPLT	103.00	3.00	-5.00	1.00	88.00	48.00	88.00
CQ00640	302.50	303.50			DSPLT	91.00	2.00	-5.00	-1.00	140.00	48.00	89.00
CQ00641	302.50	303.50	SD	CQ00640	DSPLT	86.00	1.00	-5.00	-1.00	175.00	47.00	79.00
CQ00642	302.50	303.50	R	CQ00640	DSPLT	90.00	2.00	-5.00	-1.00	143.00	49.00	89.00
CQ00643	303.50	304.00			DSPLT	86.00	2.00	-5.00	-1.00	387.00	60.00	108.00
CQ01051	304.00	305.00			DSPLT	77.00	2.00	-5.00	-1.00	142.00	38.00	78.00
CQ01052	305.00	306.00			DSPLT	79.00	3.00	-5.00	3.00	209.00	26.00	82.00
CQ01053	306.00	307.00			DSPLT	62.00	3.00	-5.00	2.00	137.00	31.00	84.00
CQ01054	307.00	308.00			DSPLT	73.00	2.00	7.00	1.00	129.00	27.00	102.00
CQ01055	308.00	309.00			DSPLT	98.00	3.00	-5.00	3.00	235.00	30.00	84.00
CQ01056	309.00	310.00			DSPLT	618.00	7.00	8.00	2.00	1274.00	40.00	94.00
CQ01057	310.00	311.00			DSPLT	396.00	11.00	8.00	4.00	924.00	23.00	112.00
CQ01058	311.00	312.00			DSPLT	46.00	-1.00	-5.00	1.00	58.00	13.00	70.00
CQ01059	314.00	315.00			DSPLT	79.00	1.00	-5.00	1.00	18.00	18.00	99.00
CQ01062	317.00	318.00	R	CQ01060	DSPLT	15.00	-1.00	-5.00	2.00	27.00	5.00	24.00
CQ01061	317.00	318.00	SD	CQ01060	DSPLT	12.00	-1.00	-5.00	17.00	25.00	4.00	19.00
CQ01060	317.00	318.00			DSPLT	15.00	-1.00	-5.00	-1.00	27.00	5.00	24.00
CQ01063	320.00	321.00			DSPLT	18.00	-1.00	-5.00	1.00	64.00	13.00	59.00

DOWN HOLE SURVEY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>AZIMUTH</i>	<i>DIP</i>	<i>TYPE</i>
QPD01005	0.00	90.00	-80.00	DM
QPD01005	3.00	90.11	-79.86	MB
QPD01005	6.00	90.21	-79.74	MB
QPD01005	9.00	90.27	-79.68	MB
QPD01005	12.00	90.27	-79.65	MB
QPD01005	15.00	90.26	-79.62	MB
QPD01005	18.00	90.49	-79.60	MB
QPD01005	21.00	90.57	-79.58	MB
QPD01005	24.00	90.82	-79.57	MB
QPD01005	27.00	90.91	-79.55	MB
QPD01005	30.00	91.19	-79.58	MB
QPD01005	33.00	91.09	-79.59	MB
QPD01005	36.00	90.93	-79.59	MB
QPD01005	39.00	91.04	-79.57	MB
QPD01005	42.00	91.23	-79.57	MB
QPD01005	45.00	91.29	-79.57	MB
QPD01005	48.00	91.12	-79.59	MB
QPD01005	51.00	91.21	-79.57	MB
QPD01005	54.00	91.39	-79.57	MB
QPD01005	57.00	91.23	-79.58	MB
QPD01005	60.00	91.43	-79.58	MB
QPD01005	63.00	91.44	-79.56	MB
QPD01005	66.00	91.64	-79.56	MB
QPD01005	69.00	91.81	-79.58	MB
QPD01005	72.00	91.65	-79.59	MB
QPD01005	75.00	91.83	-79.58	MB
QPD01005	78.00	91.83	-79.57	MB
QPD01005	81.00	91.88	-79.58	MB
QPD01005	84.00	91.92	-79.58	MB
QPD01005	87.00	92.20	-79.58	MB
QPD01005	90.00	92.14	-79.57	MB
QPD01005	93.00	92.18	-79.57	MB
QPD01005	96.00	92.14	-79.54	MB
QPD01005	99.00	92.36	-79.52	MB
QPD01005	102.00	92.39	-79.53	MB
QPD01005	105.00	92.49	-79.51	MB
QPD01005	108.00	92.67	-79.50	MB
QPD01005	111.00	92.65	-79.50	MB
QPD01005	114.00	92.66	-79.51	MB
QPD01005	117.00	92.88	-79.53	MB
QPD01005	120.00	92.74	-79.53	MB
QPD01005	123.00	92.76	-79.51	MB
QPD01005	126.00	92.95	-79.52	MB
QPD01005	129.00	93.01	-79.51	MB
QPD01005	132.00	93.19	-79.51	MB
QPD01005	135.00	93.14	-79.51	MB
QPD01005	138.00	93.33	-79.50	MB
QPD01005	141.00	93.28	-79.50	MB

QPD01005	144.00	93.50	-79.50	MB
QPD01005	147.00	93.53	-79.49	MB
QPD01005	150.00	93.51	-79.52	MB
QPD01005	153.00	93.42	-79.52	MB
QPD01005	156.00	93.71	-79.51	MB
QPD01005	159.00	93.70	-79.50	MB
QPD01005	162.00	93.69	-79.51	MB
QPD01005	165.00	93.52	-79.55	MB
QPD01005	168.00	93.50	-79.56	MB
QPD01005	171.00	93.65	-79.58	MB
QPD01005	174.00	93.55	-79.58	MB
QPD01005	177.00	93.58	-79.58	MB
QPD01005	180.00	93.97	-79.62	MB
QPD01005	183.00	93.96	-79.63	MB
QPD01005	186.00	94.01	-79.63	MB
QPD01005	189.00	94.13	-79.66	MB
QPD01005	192.00	94.11	-79.69	MB
QPD01005	195.00	94.24	-79.67	MB
QPD01005	198.00	94.52	-79.67	MB
QPD01005	201.00	94.92	-79.68	MB
QPD01005	204.00	95.01	-79.67	MB
QPD01005	207.00	95.04	-79.68	MB
QPD01005	210.00	95.27	-79.68	MB
QPD01005	213.00	95.43	-79.69	MB
QPD01005	216.00	95.49	-79.67	MB
QPD01005	219.00	95.51	-79.67	MB
QPD01005	222.00	95.56	-79.66	MB
QPD01005	225.00	95.87	-79.66	MB
QPD01005	228.00	96.04	-79.64	MB
QPD01005	231.00	96.20	-79.63	MB
QPD01005	234.00	96.34	-79.62	MB
QPD01005	237.00	96.37	-79.63	MB
QPD01005	240.00	96.53	-79.63	MB
QPD01005	243.00	96.91	-79.62	MB
QPD01005	246.00	97.14	-79.60	MB
QPD01005	249.00	97.12	-79.60	MB
QPD01005	252.00	97.12	-79.59	MB
QPD01005	255.00	97.35	-79.56	MB
QPD01005	258.00	97.39	-79.56	MB
QPD01005	261.00	97.29	-79.56	MB
QPD01005	264.00	97.54	-79.50	MB
QPD01005	267.00	97.69	-79.51	MB
QPD01005	270.00	97.71	-79.49	MB
QPD01005	273.00	97.85	-79.48	MB
QPD01005	276.00	97.86	-79.52	MB
QPD01005	279.00	97.77	-79.49	MB
QPD01005	282.00	97.85	-79.49	MB
QPD01005	285.00	97.87	-79.49	MB
QPD01005	288.00	97.70	-79.48	MB
QPD01005	291.00	97.96	-79.49	MB
QPD01005	294.00	97.93	-79.46	MB
QPD01005	297.00	98.01	-79.49	MB

QPD01005	300.00	98.01	-79.45	MB
QPD01005	303.00	98.09	-79.43	MB
QPD01005	306.00	98.33	-79.44	MB
QPD01005	309.00	98.33	-79.45	MB
QPD01005	312.00	98.45	-79.44	MB
QPD01005	315.00	98.37	-79.42	MB
QPD01005	318.00	98.49	-79.41	MB
QPD01005	321.00	98.67	-79.40	MB
QPD01005	324.00	98.90	-79.39	MB
QPD01005	327.00	98.99	-79.37	MB
QPD01005	330.00	99.13	-79.37	MB
QPD01005	333.00	99.48	-79.36	MB
QPD01005	336.00	99.77	-79.33	MB
QPD01005	339.00	99.83	-79.26	MB
QPD01005	342.00	100.09	-79.17	MB
QPD01005	345.00	100.43	-79.09	MB
QPD01005	348.00	100.57	-79.07	MB
QPD01005	351.00	100.78	-79.03	MB
QPD01005	354.00	101.01	-78.98	MB
QPD01005	357.00	101.37	-78.93	MB
QPD01005	360.00	101.58	-78.87	MB
QPD01005	366.00	102.11	-78.69	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01005	6.00	444.00
QPD01005	7.00	2145.00
QPD01005	8.00	261.00
QPD01005	9.00	540.00
QPD01005	10.00	417.00
QPD01005	11.00	456.00
QPD01005	12.00	913.00
QPD01005	13.00	420.00
QPD01005	14.00	603.00
QPD01005	15.00	766.00
QPD01005	16.00	1518.00
QPD01005	17.00	619.00
QPD01005	18.00	425.00
QPD01005	19.00	816.00
QPD01005	20.00	485.00
QPD01005	21.00	529.00
QPD01005	22.00	576.00
QPD01005	23.00	925.00
QPD01005	24.00	548.00
QPD01005	25.00	557.00
QPD01005	26.00	646.00
QPD01005	27.00	595.00
QPD01005	28.00	754.00
QPD01005	29.00	610.00
QPD01005	30.00	668.00
QPD01005	31.00	381.00
QPD01005	32.00	794.00
QPD01005	33.00	906.00
QPD01005	34.00	1200.00
QPD01005	35.00	1018.00
QPD01005	36.00	972.00
QPD01005	37.00	595.00
QPD01005	38.00	1057.00
QPD01005	39.00	1021.00
QPD01005	40.00	1212.00
QPD01005	41.00	204.00
QPD01005	42.00	226.00
QPD01005	43.00	8800.00
QPD01005	44.00	571.00
QPD01005	45.00	317.00
QPD01005	46.00	13.00
QPD01005	47.00	270.00
QPD01005	48.00	2.00
QPD01005	49.00	1784.00
QPD01005	50.00	2733.00
QPD01005	51.00	170.00
QPD01005	52.00	412.00
QPD01005	53.00	570.00

QPD01005	54.00	170.00
QPD01005	55.00	491.00
QPD01005	56.00	10830.00
QPD01005	57.00	137.00
QPD01005	58.00	303.00
QPD01005	59.00	424.00
QPD01005	60.00	849.00
QPD01005	61.00	833.00
QPD01005	62.00	676.00
QPD01005	63.00	769.00
QPD01005	64.00	895.00
QPD01005	65.00	890.00
QPD01005	66.00	859.00
QPD01005	67.00	825.00
QPD01005	68.00	845.00
QPD01005	69.00	790.00
QPD01005	70.00	1002.00
QPD01005	71.00	948.00
QPD01005	72.00	1045.00
QPD01005	73.00	2281.00
QPD01005	74.00	506.00
QPD01005	75.00	649.00
QPD01005	76.00	513.00
QPD01005	77.00	2444.00
QPD01005	78.00	1171.00
QPD01005	79.00	1073.00
QPD01005	80.00	1299.00
QPD01005	81.00	2241.00
QPD01005	82.00	2051.00
QPD01005	83.00	3400.00
QPD01005	84.00	1058.00
QPD01005	85.00	8368.00
QPD01005	86.00	7865.00
QPD01005	87.00	3755.00
QPD01005	88.00	1197.00
QPD01005	89.00	1197.00
QPD01005	90.00	1021.00
QPD01005	91.00	972.00
QPD01005	92.00	991.00
QPD01005	93.00	805.00
QPD01005	94.00	678.00
QPD01005	95.00	1042.00
QPD01005	96.00	793.00
QPD01005	97.00	921.00
QPD01005	98.00	600.00
QPD01005	99.00	941.00
QPD01005	100.00	919.00
QPD01005	101.00	841.00
QPD01005	102.00	743.00
QPD01005	103.00	1056.00
QPD01005	104.00	596.00
QPD01005	105.00	766.00

QPD01005	106.00	1033.00
QPD01005	107.00	913.00
QPD01005	108.00	620.00
QPD01005	109.00	884.00
QPD01005	110.00	715.00
QPD01005	111.00	719.00
QPD01005	112.00	832.00
QPD01005	113.00	736.00
QPD01005	114.00	878.00
QPD01005	115.00	738.00
QPD01005	116.00	802.00
QPD01005	117.00	866.00
QPD01005	118.00	677.00
QPD01005	119.00	650.00
QPD01005	120.00	1021.00
QPD01005	121.00	773.00
QPD01005	122.00	996.00
QPD01005	123.00	853.00
QPD01005	124.00	650.00
QPD01005	125.00	441.00
QPD01005	126.00	792.00
QPD01005	127.00	707.00
QPD01005	128.00	723.00
QPD01005	129.00	736.00
QPD01005	130.00	806.00
QPD01005	131.00	937.00
QPD01005	132.00	684.00
QPD01005	133.00	494.00
QPD01005	134.00	579.00
QPD01005	135.00	792.00
QPD01005	136.00	724.00
QPD01005	137.00	757.00
QPD01005	138.00	424.00
QPD01005	139.00	534.00
QPD01005	140.00	812.00
QPD01005	141.00	1029.00
QPD01005	142.00	806.00
QPD01005	143.00	665.00
QPD01005	144.00	657.00
QPD01005	145.00	507.00
QPD01005	146.00	637.00
QPD01005	147.00	633.00
QPD01005	148.00	1404.00
QPD01005	149.00	592.00
QPD01005	150.00	591.00
QPD01005	151.00	653.00
QPD01005	152.00	592.00
QPD01005	153.00	501.00
QPD01005	154.00	716.00
QPD01005	155.00	709.00
QPD01005	156.00	796.00
QPD01005	157.00	432.00

QPD01005	158.00	16390.00
QPD01005	159.00	874.00
QPD01005	160.00	752.00
QPD01005	161.00	1407.00
QPD01005	162.00	2176.00
QPD01005	163.00	478.00
QPD01005	164.00	511.00
QPD01005	165.00	498.00
QPD01005	166.00	755.00
QPD01005	167.00	657.00
QPD01005	168.00	507.00
QPD01005	169.00	511.00
QPD01005	170.00	744.00
QPD01005	171.00	501.00
QPD01005	172.00	653.00
QPD01005	173.00	635.00
QPD01005	174.00	626.00
QPD01005	175.00	876.00
QPD01005	176.00	836.00
QPD01005	177.00	870.00
QPD01005	178.00	798.00
QPD01005	179.00	960.00
QPD01005	180.00	660.00
QPD01005	181.00	672.00
QPD01005	182.00	474.00
QPD01005	183.00	727.00
QPD01005	184.00	649.00
QPD01005	185.00	692.00
QPD01005	186.00	604.00
QPD01005	187.00	413.00
QPD01005	188.00	600.00
QPD01005	189.00	1224.00
QPD01005	190.00	344.00
QPD01005	191.00	360.00
QPD01005	192.00	459.00
QPD01005	193.00	836.00
QPD01005	194.00	452.00
QPD01005	195.00	517.00
QPD01005	196.00	578.00
QPD01005	197.00	480.00
QPD01005	198.00	503.00
QPD01005	199.00	563.00
QPD01005	200.00	560.00
QPD01005	201.00	444.00
QPD01005	202.00	553.00
QPD01005	203.00	563.00
QPD01005	204.00	448.00
QPD01005	205.00	406.00
QPD01005	206.00	565.00
QPD01005	207.00	468.00
QPD01005	208.00	536.00
QPD01005	209.00	471.00

QPD01005	210.00	610.00
QPD01005	211.00	583.00
QPD01005	212.00	460.00
QPD01005	213.00	666.00
QPD01005	214.00	518.00
QPD01005	215.00	651.00
QPD01005	216.00	602.00
QPD01005	217.00	600.00
QPD01005	218.00	486.00
QPD01005	219.00	576.00
QPD01005	220.00	606.00
QPD01005	221.00	611.00
QPD01005	222.00	705.00
QPD01005	223.00	6639.00
QPD01005	224.00	553.00
QPD01005	225.00	635.00
QPD01005	226.00	1084.00
QPD01005	227.00	561.00
QPD01005	228.00	452.00
QPD01005	229.00	604.00
QPD01005	230.00	350.00
QPD01005	231.00	424.00
QPD01005	232.00	654.00
QPD01005	233.00	350.00
QPD01005	234.00	456.00
QPD01005	235.00	581.00
QPD01005	236.00	515.00
QPD01005	237.00	625.00
QPD01005	238.00	416.00
QPD01005	239.00	420.00
QPD01005	240.00	498.00
QPD01005	241.00	444.00
QPD01005	242.00	475.00
QPD01005	243.00	540.00
QPD01005	244.00	482.00
QPD01005	245.00	385.00
QPD01005	246.00	537.00
QPD01005	247.00	339.00
QPD01005	248.00	247.00
QPD01005	249.00	708.00
QPD01005	250.00	290.00
QPD01005	251.00	475.00
QPD01005	252.00	860.00
QPD01005	253.00	590.00
QPD01005	254.00	1920.00
QPD01005	255.00	373.00
QPD01005	256.00	670.00
QPD01005	257.00	2370.00
QPD01005	258.00	2384.00
QPD01005	259.00	1795.00
QPD01005	260.00	195.00
QPD01005	261.00	1365.00

QPD01005	262.00	1720.00
QPD01005	263.00	1500.00
QPD01005	264.00	510.00
QPD01005	265.00	942.00
QPD01005	266.00	366.00
QPD01005	267.00	300.00
QPD01005	268.00	630.00
QPD01005	269.00	880.00
QPD01005	270.00	972.00
QPD01005	271.00	321.00
QPD01005	272.00	1220.00
QPD01005	273.00	790.00
QPD01005	274.00	1905.00
QPD01005	275.00	1633.00
QPD01005	276.00	805.00
QPD01005	277.00	1395.00
QPD01005	278.00	2065.00
QPD01005	279.00	1825.00
QPD01005	280.00	1000.00
QPD01005	281.00	1440.00
QPD01005	282.00	660.00
QPD01005	283.00	1230.00
QPD01005	284.00	2400.00
QPD01005	285.00	565.00
QPD01005	286.00	2570.00
QPD01005	287.00	2285.00
QPD01005	288.00	690.00
QPD01005	289.00	770.00
QPD01005	290.00	2360.00
QPD01005	291.00	70.00
QPD01005	292.00	480.00
QPD01005	293.00	475.00
QPD01005	294.00	56.00
QPD01005	295.00	980.00
QPD01005	296.00	40.00
QPD01005	297.00	26.00
QPD01005	298.00	0.00
QPD01005	299.00	15.00
QPD01005	300.00	105.00
QPD01005	301.00	5.00
QPD01005	302.00	80.00
QPD01005	303.00	765.00
QPD01005	304.00	237.00
QPD01005	305.00	220.00
QPD01005	306.00	175.00
QPD01005	307.00	331.00
QPD01005	308.00	44.00
QPD01005	309.00	3424.00
QPD01005	310.00	30.00
QPD01005	311.00	30.00
QPD01005	312.00	4.00
QPD01005	313.00	4.00

QPD01005	314.00	8.00
QPD01005	315.00	140.00
QPD01005	316.00	4.00
QPD01005	317.00	1.00
QPD01005	318.00	12.00
QPD01005	319.00	63.00
QPD01005	320.00	1.00
QPD01005	321.00	18.00
QPD01005	322.00	9.00
QPD01005	323.00	13.00
QPD01005	324.00	1.00
QPD01005	325.00	4.00
QPD01005	326.00	1.00
QPD01005	327.00	2.00
QPD01005	328.00	6.00
QPD01005	329.00	2.00
QPD01005	330.00	4.00
QPD01005	331.00	1.00
QPD01005	332.00	1.00
QPD01005	333.00	1.00
QPD01005	334.00	1.00
QPD01005	335.00	1.00
QPD01005	336.00	1.00
QPD01005	337.00	1.00
QPD01005	338.00	20.00
QPD01005	339.00	30.00
QPD01005	340.00	41.00
QPD01005	341.00	1.00
QPD01005	342.00	1.00
QPD01005	343.00	14.00
QPD01005	344.00	33.00
QPD01005	345.00	17.00
QPD01005	346.00	1.00
QPD01005	347.00	1.00
QPD01005	348.00	1.00
QPD01005	349.00	13.00
QPD01005	350.00	60.00

<i>RQD</i>						
<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>WIDTH</i>	<i>RQD (m)</i>	<i>RQD (%)</i>	<i>NOTES</i>
QPD01005	6.00	9.00	0.00	0.00	0.47	
QPD01005	9.00	12.00	0.00	0.00	0.70	
QPD01005	12.00	15.00	0.00	0.00	0.70	
QPD01005	15.00	18.00	0.00	0.00	0.83	
QPD01005	18.00	21.00	0.00	0.00	0.62	
QPD01005	21.00	24.00	0.00	0.00	0.97	
QPD01005	24.00	27.00	0.00	0.00	0.94	
QPD01005	27.00	30.00	0.00	0.00	1.00	
QPD01005	30.00	33.00	0.00	0.00	0.92	
QPD01005	33.00	36.00	0.00	0.00	0.71	
QPD01005	36.00	39.00	0.00	0.00	0.97	
QPD01005	39.00	42.00	0.00	0.00	0.87	
QPD01005	42.00	45.00	0.00	0.00	0.85	
QPD01005	45.00	48.00	0.00	0.00	0.97	
QPD01005	48.00	51.00	0.00	0.00	0.96	
QPD01005	51.00	54.00	0.00	0.00	0.84	
QPD01005	54.00	57.00	0.00	0.00	0.84	
QPD01005	57.00	60.00	0.00	0.00	1.00	
QPD01005	60.00	63.00	0.00	0.00	0.92	
QPD01005	63.00	66.00	0.00	0.00	0.98	
QPD01005	66.00	69.00	0.00	0.00	0.97	
QPD01005	69.00	72.00	0.00	0.00	1.00	
QPD01005	72.00	75.00	0.00	0.00	0.93	
QPD01005	75.00	78.00	0.00	0.00	0.83	
QPD01005	78.00	81.00	0.00	0.00	0.50	
QPD01005	81.00	84.00	0.00	0.00	0.98	
QPD01005	84.00	87.00	0.00	0.00	0.95	
QPD01005	87.00	90.00	0.00	0.00	1.00	
QPD01005	90.00	93.00	0.00	0.00	1.00	
QPD01005	93.00	96.00	0.00	0.00	0.82	
QPD01005	96.00	99.00	0.00	0.00	1.00	
QPD01005	99.00	102.00	0.00	0.00	1.00	
QPD01005	102.00	105.00	0.00	0.00	1.00	
QPD01005	105.00	108.00	0.00	0.00	0.97	
QPD01005	108.00	111.00	0.00	0.00	0.19	
QPD01005	111.00	114.00	0.00	0.00	0.96	
QPD01005	114.00	117.00	0.00	0.00	0.99	
QPD01005	117.00	120.00	0.00	0.00	0.95	
QPD01005	120.00	123.00	0.00	0.00	1.00	

QPD01005	123.00	126.00	0.00	0.00	0.80
QPD01005	126.00	129.00	0.00	0.00	0.79
QPD01005	129.00	132.00	0.00	0.00	0.95
QPD01005	132.00	135.00	0.00	0.00	0.98
QPD01005	135.00	138.00	0.00	0.00	0.92
QPD01005	138.00	141.00	0.00	0.00	1.00
QPD01005	141.00	144.00	0.00	0.00	0.89
QPD01005	144.00	147.00	0.00	0.00	1.00
QPD01005	147.00	150.00	0.00	0.00	0.95
QPD01005	150.00	153.00	0.00	0.00	1.00
QPD01005	153.00	156.00	0.00	0.00	0.95
QPD01005	156.00	159.00	0.00	0.00	0.86
QPD01005	159.00	162.00	0.00	0.00	0.91
QPD01005	162.00	165.00	0.00	0.00	0.97
QPD01005	165.00	168.00	0.00	0.00	0.99
QPD01005	168.00	171.00	0.00	0.00	0.95
QPD01005	171.00	174.00	0.00	0.00	0.99
QPD01005	174.00	177.00	0.00	0.00	0.93
QPD01005	177.00	180.00	0.00	0.00	0.98
QPD01005	180.00	183.00	0.00	0.00	1.00
QPD01005	183.00	186.00	0.00	0.00	0.50
QPD01005	186.00	189.00	0.00	0.00	0.99
QPD01005	189.00	192.00	0.00	0.00	1.00
QPD01005	192.00	195.00	0.00	0.00	1.00
QPD01005	195.00	198.00	0.00	0.00	1.00
QPD01005	198.00	201.00	0.00	0.00	0.97
QPD01005	201.00	204.00	0.00	0.00	1.00
QPD01005	204.00	207.00	0.00	0.00	1.00
QPD01005	207.00	210.00	0.00	0.00	0.98
QPD01005	210.00	213.00	0.00	0.00	0.96
QPD01005	213.00	216.00	0.00	0.00	1.00
QPD01005	216.00	219.00	0.00	0.00	0.98
QPD01005	219.00	222.00	0.00	0.00	0.95
QPD01005	222.00	225.00	0.00	0.00	0.94
QPD01005	225.00	228.00	0.00	0.00	1.00
QPD01005	228.00	231.00	0.00	0.00	0.98
QPD01005	231.00	234.00	0.00	0.00	0.96
QPD01005	234.00	237.00	0.00	0.00	0.99
QPD01005	237.00	240.00	0.00	0.00	0.96
QPD01005	240.00	243.00	0.00	0.00	0.95
QPD01005	243.00	246.00	0.00	0.00	1.00

QPD01005	246.00	249.00	0.00	0.00	1.00
QPD01005	249.00	252.00	0.00	0.00	0.94
QPD01005	252.00	255.00	0.00	0.00	1.00
QPD01005	255.00	258.00	0.00	0.00	1.00
QPD01005	258.00	261.00	0.00	0.00	0.95
QPD01005	261.00	264.00	0.00	0.00	0.98
QPD01005	264.00	267.00	0.00	0.00	1.00
QPD01005	267.00	270.00	0.00	0.00	1.00
QPD01005	270.00	273.00	0.00	0.00	0.99
QPD01005	273.00	276.00	0.00	0.00	0.97
QPD01005	276.00	279.00	0.00	0.00	0.82
QPD01005	279.00	282.00	0.00	0.00	0.96
QPD01005	282.00	285.00	0.00	0.00	0.90
QPD01005	285.00	288.00	0.00	0.00	0.95
QPD01005	288.00	291.00	0.00	0.00	0.87
QPD01005	291.00	294.00	0.00	0.00	0.85
QPD01005	294.00	297.00	0.00	0.00	1.00
QPD01005	297.00	300.00	0.00	0.00	1.00
QPD01005	300.00	302.00	0.00	0.00	1.00
QPD01005	302.00	305.00	0.00	0.00	1.00
QPD01005	305.00	308.00	0.00	0.00	0.94
QPD01005	308.00	311.00	0.00	0.00	0.91
QPD01005	311.00	314.00	0.00	0.00	0.92
QPD01005	314.00	317.00	0.00	0.00	1.00
QPD01005	317.00	320.00	0.00	0.00	0.98
QPD01005	320.00	323.00	0.00	0.00	1.00
QPD01005	323.00	326.00	0.00	0.00	0.94
QPD01005	326.00	329.00	0.00	0.00	1.00
QPD01005	329.00	332.00	0.00	0.00	0.95
QPD01005	332.00	335.00	0.00	0.00	0.94
QPD01005	335.00	338.00	0.00	0.00	0.89
QPD01005	338.00	341.00	0.00	0.00	0.98
QPD01005	341.00	344.00	0.00	0.00	0.68
QPD01005	344.00	347.00	0.00	0.00	0.70
QPD01005	347.00	350.00	0.00	0.00	0.82
QPD01005	350.00	353.00	0.00	0.00	1.00
QPD01005	353.00	356.00	0.00	0.00	0.99
QPD01005	356.00	359.00	0.00	0.00	0.97
QPD01005	359.00	362.00	0.00	0.00	0.95
QPD01005	362.00	365.00	0.00	0.00	0.83
QPD01005	365.00	368.00	0.00	0.00	0.99

QPD01005	368.00	371.00	0.00	0.00	1.00
QPD01005	371.00	372.00	0.00	0.00	0.95

DRILL LOG QPD01006

ZONE:	PAPAVOINE	EASTING UTM:	651202.17	DDH STARTED:	4/30/01
SITE:	LAND	NORTHING UTM:	6323995.05	DDH FINISHED:	5/2/01
ORIENTATED:	Yes	ELEVATION (m):	284.94	GEOLOGIST 1:	GLEN BROWN
GEOTECH:	Yes	BEARING:	221	GEOLOGIST 2:	KARSTEN WINTERS
CASING (m):	15.80	DIP:	-45.00	LOG COMPLETED:	5/6/01
		LENGTH (m):	179.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

QPD01006 was drilled to test a target that had been interpreted from airborne and ground EM. The hole was collared in granite and mixed paragneiss and granite. 10% stringy graphite occurs throughout this unit, and locally becomes semi-massive to massive (58.5 to 58.97m). At 85.55 to 86.66, the unit becomes strongly hydrothermally altered with epidote, silica, sericite, graphite, serpentine and chlorite mineralization. From 86.66 to 128.4 the unit consists dominantly of granite with paragneiss. Granitic gneiss predominates from 128.4 until the end of the hole.

Sulfides are negligible.

DRILL LOG: QPD01006

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
0.00	15.80		UG	100				0											

15.80 18.50 Fg 100 0

Dominantly K-feldspar bearing pink granite.

18.50 85.55 Fg&-aR^g 100 0

90-95% of this interval consists of strongly foliated paragneiss. Remnants of garnets are present in a thin zone fairly high in the hole only. This contrasts notably with hole 007 in which garnet porphyroblasts are ubiquitous. 5-10% is made up by granitic intrusives (including 73.8 to 75m).

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
18.50	85.55	lcg									1	
18.50	85.55	q									1	
18.50	85.55	q									1	
18.50	85.55	fp	10								1	
18.50	85.55	mb									1	
18.50	85.55	mb	10								1	
18.50	85.55	lcg	10								1	
18.50	85.55	lcg									1	
18.50	85.55	lcg									1	
18.50	85.55	mu									1	
18.50	85.55	c									1	
18.50	85.55	c									1	
18.50	85.55	c									1	
18.50	85.55	fp									1	
18.50	85.55	mb									1	
18.50	85.55	c									1	
58.50	58.97	lcg									1	
58.50	58.97	lcg	75								1	
85.55	85.55	q	40								1	

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes										
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18.50	85.55	scp		ds															
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18.50	85.55	spy		ds															
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18.50	85.55	spo		ds															
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STRUCTURE		Type 1	Type 2	Intensity					CA	Qual	Dip	Dip/Dir	Notes			
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18.50	85.55	fn		3					75				Core angles for paragneiss variable, but commonly 75 deg			
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85.55	86.66	_nH		100				0				Shp	55			
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Saccaroidal textured contact zone with apple green mineral(s) supporting quartz. Accessory yellow-brown transparent to translucent mineral. Subrounded purple mineral ?sericite. Finely disseminated silvery graphite. 3mm wide contact band of ?serpentine+chlorite. Silica rich (mainly quartz) bands are also included in this zone.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes			
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85.55	86.66	ms		cg							1				
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85.55	86.66	r		sr							1				
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85.55	86.66	c		sr							1				
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85.55	86.66	ee		sr							1				
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86.66	128.40	Fg&-aR^g		100				0							
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Paragneiss percentage appreciably lower than 18.5 to 85.55m. Paragneiss is now quartz rich and contains less biotite; pseudomorphs of phyllosilicate after possible mafic or metamorphic (Al-silicate?) mineral. Granitic rocks (mainly white coloured) dominate, as does silica flooding. Saccharoidal alteration units are still present as multiple bands.

128.40	179.00	R^gqfj		100				0				Gr			
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Dominantly a migmatitic zone after granite protolith. Brittle fracturing of core parallel to layering is pronounced. K-feldspar and quartz dominate with minor biotite (5-10%). Minor temperature altered graphite is present, also trace irregular shaped blue-grey FeOx and epidote. Chlorite alteration is concentrated locally over short intervals, but can be pervasive.

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes			
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128.40	179.00	mu		ds							1				
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128.40	179.00	xm		ds							1				
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128.40	179.00	ee		ds							1				
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128.40	179.00	lcg		ds							1				
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128.40	179.00	c		rp							1				
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128.40	179.00	mb		rn							1				
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128.40	179.00	mb		mi							1				
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FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
128.40	179.00	fp	cg				1												
128.40	179.00	q	cg				1												
128.40	179.00	q	xn				1												

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
128.40	179.00	fs		3	80				
128.40	179.00	fn		2	80				Layering variable but focussed around 80 deg.

Assay Results for: QPD01006

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01064	18.50	19.50			DSPLT	44.00	-1.00	-5.00	2.00	35.00	19.00	105.00
CQ01065	21.50	22.50			DSPLT	59.00	-1.00	-5.00	-1.00	74.00	18.00	95.00
CQ01066	24.50	25.50			DSPLT	59.00	5.00	5.00	2.00	62.00	19.00	116.00
CQ01067	27.50	28.50			DSPLT	47.00	3.00	-5.00	-1.00	42.00	19.00	104.00
CQ01068	30.50	31.50			DSPLT	40.00	-1.00	-5.00	-1.00	59.00	18.00	93.00
CQ01069	33.50	34.50			DSPLT	50.00	-1.00	8.00	1.00	81.00	21.00	98.00
CQ01070	36.50	37.50			DSPLT	44.00	-1.00	-5.00	-1.00	45.00	19.00	93.00
CQ01071	39.50	40.50			DSPLT	125.00	-1.00	-5.00	2.00	22.00	21.00	99.00
CQ01072	42.50	43.50			DSPLT	105.00	2.00	6.00	-1.00	66.00	29.00	132.00
CQ01073	45.50	46.50			DSPLT	53.00	2.00	-5.00	1.00	50.00	20.00	115.00
CQ01074	48.50	49.50			DSPLT	44.00	3.00	-5.00	2.00	55.00	17.00	105.00
CQ01075	0.00	0.00	QS	LN1	STAND	13840.00	173.00	77.00	49.00	705.00	307.00	132.00
CQ01076	51.50	52.50			DSPLT	73.00	4.00	-5.00	-1.00	76.00	23.00	153.00
CQ01077	54.50	56.50			DSPLT	68.00	4.00	-5.00	-1.00	71.00	22.00	124.00
CQ01078	57.50	58.50			DSPLT	70.00	6.00	-5.00	-1.00	90.00	21.00	129.00
CQ01079	60.50	61.50			DSPLT	62.00	4.00	-5.00	-1.00	81.00	19.00	108.00
CQ01080	63.50	64.50			DSPLT	66.00	-1.00	5.00	-1.00	78.00	20.00	98.00
CQ01081	63.50	64.50	SD	CQ01080	DSPLT	62.00	1.00	-5.00	4.00	79.00	19.00	98.00
CQ01082	63.50	64.50	R	CQ01080	DSPLT	66.00	-1.00	-5.00	2.00	78.00	20.00	100.00
CQ01083	66.50	67.50			DSPLT	45.00	3.00	-5.00	1.00	56.00	16.00	70.00
CQ01084	69.50	70.50			DSPLT	35.00	1.00	5.00	2.00	41.00	17.00	104.00
CQ01085	72.50	73.50			DSPLT	50.00	-1.00	-5.00	-1.00	85.00	23.00	128.00
CQ01086	75.50	76.50			DSPLT	43.00	2.00	-5.00	3.00	66.00	19.00	122.00
CQ01087	78.50	79.50			DSPLT	46.00	2.00	-5.00	3.00	64.00	22.00	85.00
CQ01088	81.50	82.50			DSPLT	30.00	1.00	-5.00	3.00	51.00	15.00	32.00
CQ01089	84.50	85.50			DSPLT	33.00	2.00	-5.00	3.00	52.00	25.00	93.00

DOWN HOLE SURVEY

HOLE ID	DEPTH	AZIMUTH	DIP	TYPE
QPD01006	0.00	221.00	-45.00	DM
QPD01006	3.00	220.89	-43.79	MB
QPD01006	6.00	220.91	-43.02	MB
QPD01006	9.00	220.96	-42.83	MB
QPD01006	12.00	221.02	-42.77	MB
QPD01006	15.00	221.13	-42.70	MB
QPD01006	18.00	221.20	-42.73	MB
QPD01006	21.00	221.19	-42.79	MB
QPD01006	24.00	221.19	-42.81	MB
QPD01006	27.00	221.18	-42.80	MB
QPD01006	30.00	221.21	-42.81	MB
QPD01006	33.00	221.22	-42.83	MB
QPD01006	36.00	221.17	-42.84	MB
QPD01006	39.00	221.27	-42.85	MB
QPD01006	42.00	221.28	-42.83	MB
QPD01006	45.00	221.36	-42.83	MB
QPD01006	48.00	221.43	-42.79	MB
QPD01006	51.00	221.50	-42.76	MB
QPD01006	54.00	221.56	-42.71	MB
QPD01006	57.00	221.62	-42.71	MB
QPD01006	60.00	221.69	-42.68	MB
QPD01006	63.00	221.72	-42.66	MB
QPD01006	66.00	221.75	-42.62	MB
QPD01006	69.00	221.81	-42.57	MB
QPD01006	72.00	221.86	-42.56	MB
QPD01006	75.00	221.91	-42.54	MB
QPD01006	78.00	222.01	-42.51	MB
QPD01006	81.00	222.09	-42.49	MB
QPD01006	84.00	222.18	-42.49	MB
QPD01006	87.00	222.29	-42.47	MB
QPD01006	90.00	222.38	-42.42	MB
QPD01006	93.00	222.45	-42.38	MB
QPD01006	96.00	222.46	-42.40	MB
QPD01006	99.00	222.54	-42.42	MB
QPD01006	102.00	222.63	-42.39	MB
QPD01006	105.00	222.71	-42.35	MB
QPD01006	108.00	222.76	-42.28	MB
QPD01006	111.00	222.85	-42.21	MB
QPD01006	114.00	222.88	-42.11	MB
QPD01006	117.00	222.94	-42.05	MB
QPD01006	120.00	223.02	-41.96	MB
QPD01006	123.00	223.15	-41.90	MB
QPD01006	126.00	223.20	-41.84	MB
QPD01006	129.00	223.22	-41.77	MB
QPD01006	132.00	223.34	-41.66	MB
QPD01006	135.00	223.47	-41.58	MB
QPD01006	138.00	223.55	-41.51	MB
QPD01006	141.00	223.63	-41.42	MB

QPD01006	144.00	223.72	-41.33	MB
QPD01006	147.00	223.80	-41.24	MB
QPD01006	150.00	223.86	-41.18	MB
QPD01006	153.00	223.94	-41.11	MB
QPD01006	156.00	224.00	-41.04	MB
QPD01006	159.00	224.06	-41.02	MB
QPD01006	162.00	224.12	-40.97	MB
QPD01006	165.00	224.14	-40.94	MB
QPD01006	171.00	224.25	-40.84	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01006	16.00	24.00
QPD01006	17.00	230.00
QPD01006	18.00	8.00
QPD01006	19.00	33.00
QPD01006	20.00	425.00
QPD01006	21.00	43.00
QPD01006	22.00	1030.00
QPD01006	23.00	1115.00
QPD01006	24.00	752.00
QPD01006	25.00	1138.00
QPD01006	26.00	401.00
QPD01006	27.00	783.00
QPD01006	28.00	510.00
QPD01006	29.00	18.00
QPD01006	30.00	1.00
QPD01006	31.00	1.00
QPD01006	32.00	41.00
QPD01006	33.00	28.00
QPD01006	34.00	49.00
QPD01006	35.00	26.00
QPD01006	36.00	37.00
QPD01006	37.00	40.00
QPD01006	38.00	35.00
QPD01006	39.00	406.00
QPD01006	40.00	55.00
QPD01006	41.00	82.00
QPD01006	42.00	245.00
QPD01006	43.00	113.00
QPD01006	44.00	57.00
QPD01006	45.00	75.00
QPD01006	46.00	309.00
QPD01006	47.00	254.00
QPD01006	48.00	71.00
QPD01006	49.00	1130.00
QPD01006	50.00	437.00
QPD01006	51.00	196.00
QPD01006	52.00	327.00
QPD01006	53.00	264.00
QPD01006	54.00	51.00
QPD01006	55.00	1205.00
QPD01006	56.00	195.00
QPD01006	57.00	845.00
QPD01006	58.00	437.00
QPD01006	59.00	64.00
QPD01006	60.00	1314.00
QPD01006	61.00	168.00
QPD01006	62.00	121.00
QPD01006	63.00	1053.00

QPD01006	64.00	1237.00
QPD01006	65.00	1320.00
QPD01006	66.00	678.00
QPD01006	67.00	70.00
QPD01006	68.00	977.00
QPD01006	69.00	1387.00
QPD01006	70.00	631.00
QPD01006	71.00	848.00
QPD01006	72.00	758.00
QPD01006	73.00	917.00
QPD01006	74.00	0.00
QPD01006	75.00	0.00
QPD01006	76.00	715.00
QPD01006	77.00	1007.00
QPD01006	78.00	443.00
QPD01006	79.00	184.00
QPD01006	80.00	8.00
QPD01006	81.00	0.00
QPD01006	82.00	2.00
QPD01006	83.00	5.00
QPD01006	84.00	825.00
QPD01006	85.00	417.00
QPD01006	86.00	130.00
QPD01006	87.00	0.00
QPD01006	88.00	6.00
QPD01006	89.00	6.00
QPD01006	90.00	0.00
QPD01006	91.00	35.00
QPD01006	92.00	0.00
QPD01006	93.00	14.00
QPD01006	94.00	55.00
QPD01006	95.00	49.00
QPD01006	96.00	36.00
QPD01006	97.00	10.00
QPD01006	98.00	8.00
QPD01006	99.00	35.00
QPD01006	100.00	25.00
QPD01006	101.00	2.00
QPD01006	102.00	43.00
QPD01006	103.00	95.00
QPD01006	104.00	56.00
QPD01006	105.00	55.00
QPD01006	106.00	40.00
QPD01006	107.00	41.00
QPD01006	108.00	71.00
QPD01006	109.00	101.00
QPD01006	110.00	121.00
QPD01006	111.00	76.00
QPD01006	112.00	74.00
QPD01006	113.00	45.00
QPD01006	114.00	32.00
QPD01006	115.00	29.00

QPD01006	116.00	51.00
QPD01006	117.00	0.00
QPD01006	118.00	35.00
QPD01006	119.00	36.00
QPD01006	120.00	0.00
QPD01006	121.00	45.00
QPD01006	122.00	43.00
QPD01006	123.00	0.00
QPD01006	124.00	22.00
QPD01006	125.00	55.00
QPD01006	126.00	6.00
QPD01006	127.00	49.00
QPD01006	128.00	67.00
QPD01006	129.00	16.00
QPD01006	130.00	98.00
QPD01006	131.00	44.00
QPD01006	132.00	44.00
QPD01006	133.00	61.00
QPD01006	134.00	57.00
QPD01006	135.00	63.00
QPD01006	136.00	198.00
QPD01006	137.00	829.00
QPD01006	138.00	1.00
QPD01006	139.00	43.00
QPD01006	140.00	405.00
QPD01006	141.00	2828.00
QPD01006	142.00	4164.00
QPD01006	143.00	5005.00
QPD01006	144.00	482.00
QPD01006	145.00	1213.00
QPD01006	146.00	3041.00
QPD01006	147.00	1134.00
QPD01006	148.00	4204.00
QPD01006	149.00	1053.00
QPD01006	150.00	2256.00
QPD01006	151.00	532.00
QPD01006	152.00	641.00
QPD01006	153.00	288.00
QPD01006	154.00	79.00
QPD01006	155.00	49.00
QPD01006	156.00	80.00
QPD01006	157.00	82.00
QPD01006	158.00	17.00
QPD01006	159.00	71.00
QPD01006	160.00	48.00
QPD01006	161.00	30.00
QPD01006	162.00	79.00
QPD01006	163.00	79.00
QPD01006	164.00	56.00
QPD01006	165.00	88.00
QPD01006	166.00	60.00
QPD01006	167.00	61.00

QPD01006	168.00	63.00
QPD01006	169.00	74.00
QPD01006	170.00	91.00
QPD01006	171.00	84.00
QPD01006	172.00	48.00
QPD01006	173.00	28.00
QPD01006	174.00	57.00
QPD01006	175.00	56.00
QPD01006	176.00	45.00
QPD01006	177.00	94.00
QPD01006	178.00	95.00
QPD01006	179.00	90.00

<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>RQD</i>		<i>NOTES</i>
			<i>WIDTH</i>	<i>RQD (m)</i>	
QPD01006	16.00	19.00	0.00	0.00	0.50
QPD01006	19.00	22.00	0.00	0.00	0.99
QPD01006	22.00	25.00	0.00	0.00	1.00
QPD01006	25.00	28.00	0.00	0.00	0.90
QPD01006	28.00	31.00	0.00	0.00	0.96
QPD01006	31.00	34.00	0.00	0.00	0.99
QPD01006	34.00	37.00	0.00	0.00	1.00
QPD01006	37.00	40.00	0.00	0.00	0.93
QPD01006	40.00	43.00	0.00	0.00	0.99
QPD01006	43.00	46.00	0.00	0.00	0.99
QPD01006	46.00	49.00	0.00	0.00	1.00
QPD01006	49.00	52.00	0.00	0.00	0.97
QPD01006	52.00	55.00	0.00	0.00	0.99
QPD01006	55.00	58.00	0.00	0.00	1.00
QPD01006	58.00	61.00	0.00	0.00	0.77
QPD01006	61.00	64.00	0.00	0.00	0.97
QPD01006	64.00	67.00	0.00	0.00	0.99
QPD01006	67.00	70.00	0.00	0.00	0.98
QPD01006	70.00	73.00	0.00	0.00	0.99
QPD01006	73.00	76.00	0.00	0.00	0.93
QPD01006	76.00	79.00	0.00	0.00	0.85
QPD01006	79.00	82.00	0.00	0.00	0.77
QPD01006	82.00	85.00	0.00	0.00	0.80
QPD01006	85.00	88.00	0.00	0.00	0.93
QPD01006	88.00	91.00	0.00	0.00	1.00
QPD01006	91.00	94.00	0.00	0.00	0.78
QPD01006	94.00	97.00	0.00	0.00	0.88
QPD01006	97.00	100.00	0.00	0.00	0.91
QPD01006	100.00	103.00	0.00	0.00	0.94
QPD01006	103.00	106.00	0.00	0.00	0.99
QPD01006	106.00	109.00	0.00	0.00	0.81
QPD01006	109.00	112.00	0.00	0.00	0.94
QPD01006	112.00	115.00	0.00	0.00	0.70
QPD01006	115.00	118.00	0.00	0.00	0.99
QPD01006	118.00	121.00	0.00	0.00	0.87
QPD01006	121.00	124.00	0.00	0.00	0.89
QPD01006	124.00	127.00	0.00	0.00	0.94
QPD01006	127.00	130.00	0.00	0.00	0.95
QPD01006	130.00	133.00	0.00	0.00	0.99

QPD01006	133.00	136.00	0.00	0.00	0.91
QPD01006	136.00	139.00	0.00	0.00	0.87
QPD01006	139.00	142.00	0.00	0.00	0.20
QPD01006	142.00	145.00	0.00	0.00	0.33
QPD01006	145.00	148.00	0.00	0.00	0.29
QPD01006	148.00	151.00	0.00	0.00	0.10
QPD01006	151.00	154.00	0.00	0.00	0.47
QPD01006	154.00	157.00	0.00	0.00	0.63
QPD01006	157.00	160.00	0.00	0.00	0.84
QPD01006	160.00	163.00	0.00	0.00	0.50
QPD01006	163.00	166.00	0.00	0.00	0.92
QPD01006	166.00	169.00	0.00	0.00	0.87
QPD01006	169.00	172.00	0.00	0.00	0.91
QPD01006	172.00	175.00	0.00	0.00	0.66
QPD01006	175.00	178.00	0.00	0.00	0.87

DRILL LOG QPD01007

ZONE:	PAPAVOINE	EASTING UTM:	650859.81	DDH STARTED:	5/2/01
SITE:	LAND	NORTHING UTM:	6330400.65	DDH FINISHED:	5/5/01
ORIENTATED:	Yes	ELEVATION (m):	326.03	GEOLOGIST 1:	GLEN BROWN
GEOTECH:	Yes	BEARING:	90	GEOLOGIST 2:	KARSTEN WINTERS
CASING (m):	1.50	DIP:	-80.00	LOG COMPLETED:	5/21/01
		LENGTH (m):	447.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

QPD01007 was drilled to test 1) an EM anomaly as defined by airborne and ground based surveys, 2) to test for mineralization downdip from QPD01005 and updip from QPD01003. QPD01007 was collared in olivine gabbro norite with partially digested granitic and paragneissic inclusions. Up to 10% graphite occurs locally within unit - 2 % graphite overall. From 69.07 to 283.1 m. the rock consists of inclusion free olivine gabbro norite and gabbro norite. Troctolite is intersected from 283.1 to 299.1 m. From 229.1 m to 342.45 m, the unit consists of an olivine gabbro norite containing fragments (basal breccia) of country rock. Some of these fragments are moderately to strongly graphitic. Footwall rock consisting of granite and paragneiss (graphitic) was intersected until the end of the hole at 447 m.

Mineralization consists dominantly of pyrrhotite, chalcopyrite and pentlandite. In the hangingwall mineralization pentlandite and chalcopyrite typically occur in quantities approaching 10% of the observed pyrrhotite. In the footwall, chalcopyrite occurs in quantities approaching 40% of the observed pyrrhotite whereas pentlandite is still 10%. Significant pyrrhotite occurs at 225.15 to 281 m (0.3 to 1%), 281 to 341 m (2.5 to 10%), 341 to 342.45 m (4.5 to 25%), and 342.45 to 361.45 (2.0 %).

DRILL LOG: QPD01007

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
0.00	1.50	UG		100				0											

1.50	69.07	Mgno&Fg		100				0											
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Mixing zone and strong alteration textures and assemblages. Probable mafic intrusion digesting country rock (granite +/-paragneiss). Overall is mafic. Unknown if originally olivine bearing. Typically very coarse grained to glomeroporphyritic. Often zoned feldspar megacrysts, chlorite, graphite variably present as wisps, magnetite, ilmenite, orthopyroxene, clinopyroxene, and ubiquitous anhedral to subhedral lathic plagioclase. Large opx,cpx, blotchy magnetite, and felds megacrysts often associated with remnant felsic country rock. Sometimes see clinopyroxene rimming ortopyroxene. Sulphides disseminated. Spo and spy seen co-habiting and sometimes have oxide rims (+along grain boundaries and fractures). Scp seen at grain boundaries of spo. Suggestion of higher concentrations where graphite is present. Graphite overall approximates 2%vol but some metres reaches 5-10%. Chlorite occurs as an alteration mineral of grains and fractures (5-10%). Possible silicified talc, serpentine. Rock in total silicified. Corona textures are a feature (chlorite rimming pyroxenes, ex -olivines) as are zoned feldspar constituent. Very locally incipient flow-like texture of rock at 70CAs up to 10cm thick (contrasts to granular texture). Plagioclase becomes more tabular to acicular at its lowermost.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
1.50	54.00		hi			1	
1.50	69.07		sg			1	
1.50	69.07		ag			1	
1.50	69.07		cg			1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
1.50	69.07	c	8	an							1	
1.50	69.07	q									1	
1.50	69.07	fp		cg							1	
1.50	69.07	fp		an							1	
1.50	69.07	fp		su							1	
1.50	69.07	fp		eu							1	
1.50	69.07	lcg		rx							1	
1.50	69.07	fk									1	
1.50	69.07	po		an							1	
1.50	69.07	lcg	2	wy							1	
1.50	69.07	fp		bl							1	
1.50	69.07	po		su							1	
1.50	69.07	pc		an							1	
1.50	69.07	xm		cg							1	
1.50	69.07	xm		ds							1	

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

55.00	69.07	fp	ac					1											
55.00	69.07	fp	bl					1											

SULPHIDES *Min* *%* *Att 1* *Att 2* *Att 3* *Att 4* *Gr. Size* *Notes*

1.50	69.07	scp	0.20	ds															
1.50	69.07	spy	0.20	ds															
1.50	69.07	spo	0.50	ds															

STRUCTURE *Type 1* *Type 2* *Intensity* *CA* *Qual* *Dip* *Dip/Dir* *Notes*

1.50	69.07	fn		1	45														locally on metre scale have a mineral alignment/foliation. Graphite wisps often assoc.
1.50	69.07	fc		1	30														v. thin chlorite filled fractures 10-30CAs.
19.87	20.60	fa		3	32														Added by NP. Very friable material, local gouge, 1-2% pyrite in gouge.
20.60	20.90	fx		3															Added by NP. Brecciated rock associated to previous fault.
20.90	21.00	fa		3															Added by NP. Black fragmented rock. 1-2% diss. pyrite.
29.10	29.30	fx		2	45														Added by NP. Rock is fragmented. Fragment aligned at 45. Sharp contact with surrounding rock.
50.27	50.28	fg		3	15														Added by NP. Very good fault gouge, 1cm in width, extends 30 cm close to core axis.
55.50	55.54	fg		3	32														Added by NP. Black fine gouge in 2 0.5cm fault spaced by 3cm.
58.33	58.35	fg		3	22														Added by NP. Well developed fault gouge.
58.70	59.00	fa		2															Added by NP. Strongly broken core.
59.30	59.60	fa		3	21														Added by NP. Very finely broken core.
61.57	61.59	fg		3	60														Added by NP. Well developed fault gouge.

69.07 77.10 M-cgno 100 0

Plagioclase and pyroxene megacrysts alternating with unit below at a 1m to 0.5m intervals. Strong chlorite alteration of primary minerals and along usually high angle fractures. Some carbonate and possibly talc associated with chlorite alteration along fractures (74.1 - 75.20 = intense chloritised zone). Last megachrystic zone ends at 77.10. Coarse grained large magnetite blades are associated with this zone, as are coarse grained plagioclase and two pyroxene crystals. In part cumulate texture in the lower part of the interval. Minor spo and scp are present.

TEXTURES *Gr. Size* *Txt 1* *Txt 2* *Txt 3* *Rock No* *Notes*

69.07	77.10		og			1					
69.07	77.10		yv			1					

MINERALOGY *Min* *%* *Att 1* *Att 2* *Att 3* *Att 4* *Gr. Size* *Tone* *Colour* *Rock No* *Notes*

69.07	77.10	pc		an						1	
69.07	77.10	fp		an						1	
69.07	77.10	fp		su						1	

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
69.07	77.10	fp	eu					1							
69.07	77.10	fp	cg					1							
69.07	77.10	fp	hi					1							
69.07	77.10	po	an					1							
69.07	77.10	po	su					1							
69.07	77.10	fp	bl					1							
69.07	77.10	po	hi					1							
69.07	77.10	pc	su					1							
69.07	77.10	pc	en					1							
69.07	77.10	pc	cg					1							
69.07	77.10	xm	bl					1							
69.07	77.10	xm	cg					1							
69.07	77.10	xm	ds					1							
69.07	77.10	c	vn					1							
69.07	77.10	po	cg					1							
74.10	75.20	c	rp					1							

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
69.07	77.10	scp						
69.07	77.10	spo						

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
69.07	77.10	fs	1					typically high core angles (20 deg)
73.25	73.32	fg	3					Added by NP. Very well developed fault gouge.
74.30	74.60	fg	3	15				Added by NP. Well developed fault gouge.
74.60	75.10	fx	3					Added by NP. Possibly a fault breccia

77.10 86.55 Mgn 100 0

Moderately to strongly (fluid?) altered gabbro-norite. Sulphide content increased slightly. Biotite instead of chlorite coronar to plagioclase and pyroxene. Chlorite in part has replaced other minerals. Anhedral to sub-idiomorphic plagioclase totalling around 60% of rock. Low RQD's for the interval and some bleaching. Texture now more equant with smaller grainsizes than units above. High angle chlorite veinlets persist throughout unit. Some slicken on broken surfaces.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
77.10	86.55	eq			1	

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
77.10	86.55	fp		mg							1										
77.10	86.55	pc		en							1										
77.10	86.55	c		vn							1										
77.10	86.55	c		rp							1										
77.10	86.55	mb		ds							1										
77.10	86.55	mb		mg							1										
77.10	86.55	pc		mg							1										
77.10	86.55	fp		su							1										
77.10	86.55	pc		su							1										
77.10	86.55	fp		en							1										
77.10	86.55	po		an							1										
77.10	86.55	po		su							1										
77.10	86.55	po		mg							1										
77.10	86.55	po		en							1										
77.10	86.55	pc		an							1										
77.10	86.55	fp		an							1										
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>												
77.10	86.55	scp																			
77.10	86.55	spo																			
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>					<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>								
77.10	86.55	fs		1									typically high core angles (20 deg)								
77.40	77.42	fa		2					15				Added by NP. Possibly a fault								
80.46	80.60	fa		1									Added by NP. Moderately broken core. Could be a fault.								
81.60	81.90	fa		1									Added by NP. Strongly broken core. Could be a fault.								
82.30	82.60	fa		2									Added by NP. Strongly broken core. Could be a fault.								
83.80	84.30	fa		2					25				Added by NP. Strongly broken core. Probably a fault.								
85.30	85.35	fg		3									Added by NP.								
86.55	91.95	Mgn		100				0													

Weaker alteration continues, as well as high angle fractures and broken core. Mineralogy and texture are the same as in the previous interval, except for the amount of chlorite, which is decreasing.

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT								
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>															
86.55	91.95	mg				1																
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>										
86.55	91.95	pc		su							1											
86.55	91.95	fp		su							1											
86.55	91.95	fp		mg							1											
86.55	91.95	fp		en							1											
86.55	91.95	po		an							1											
86.55	91.95	po		su							1											
86.55	91.95	po		mg							1											
86.55	91.95	fp		an							1											
86.55	91.95	pc		an							1											
86.55	91.95	xm		mg							1											
86.55	91.95	pc		mg							1											
86.55	91.95	pc		en							1											
86.55	91.95	c		vn							1											
86.55	91.95	c		rp							1											
86.55	91.95	mb		ds							1											
86.55	91.95	mb		mg							1											
86.55	91.95	xm		ds							1											
86.55	91.95	po		en							1											
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>													
86.55	91.95	scp		ds																		
86.55	91.95	spo		ds																		
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>					<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>									
86.55	91.95	fs		1									typically high core angles (20 deg)									
91.15	91.20	fa		2					5				Added by NP									
91.95	184.75	Mgn		100					0				Irr									

Mineralogy and texture equivalent to previous interval. Plagioclase is dominant (60%). Appears anorthositic for most. Megacrystic intervals from 139.25 to 144.12 with similar mineralogy as higher up. Largest interval extends from 140.40m to 144.12m and includes a very felsic-pegmatitic interval from 141.1 to 141.6m.

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>													
91.95	184.75		mg			1														
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>								
91.95	184.75	po		en							1									
91.95	184.75	fp		su							1									
91.95	184.75	fp		mg							1									
91.95	184.75	po		an							1									
91.95	184.75	fp		an							1									
91.95	184.75	po		mg							1									
91.95	184.75	c		ds							1									
91.95	184.75	pc		an							1									
91.95	184.75	pc		su							1									
91.95	184.75	pc		en							1									
91.95	184.75	xm		ds							1									
91.95	184.75	mb		ds							1									
91.95	184.75	po		su							1									
139.25	144.12	po		cg							1									
139.25	144.12	pc		cg							1									
139.25	144.12	fp		bl							1									
139.25	144.12	fp		cg							1									
139.25	144.12	fp		eu							1									
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>											
91.95	184.75	scp																		
91.95	184.75	spo																		
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>				<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>								
91.95	184.75	fc		1								typically high core angles (20 deg)								
119.00	119.01	fa		1								Added by NP. Vein filled fault?								
161.70	162.00	fa		2				20				Added by NP.								
184.75	189.00	Mgno					100				0									

Transitional zone incorporating parts of the units above and below

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

189.00 225.15 M^lgno 100 0 Gr

This zone is distinctive in its leucocratic appearance. Plagioclase cumulate rock with distinct grain boundaries of lath shaped plagioclase crystals and interstitial pyroxenes (ortho and clino). Clino pyroxene occasionally coronar to ortho pyroxene. Suggestion of increasing olivine down hole. Talc-chlorite alteration of Fe/Mg minerals present throughout but pervasive close to high core angle chlorite infull fractures. Minor biotite disseminated and also rimming FeOx. Trace disseminated sulphides. First re-appearance of megacrystic zone at 224m

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
189.00	225.15	mg				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
189.00	225.15	xm		ds							1	
189.00	225.15	mb		og							1	
189.00	225.15	mb		ds							1	
189.00	225.15	c		vn							1	
189.00	225.15	c		rp							1	
189.00	225.15	pc		og							1	
189.00	225.15	o		an							1	
189.00	225.15	pc		an							1	
189.00	225.15	po	5	su							1	
189.00	225.15	po	10	an							1	
189.00	225.15	fp	65	lh							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
189.00	225.15	scp		ig					
189.00	225.15	spo		ig					
189.00	225.15	scp		ds					
189.00	225.15	spo		ds					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
189.00	225.15	fs		1	20				Thin chlorite filled fractures at high angle to core
200.36	200.38	fa		2	10				Added by NP. Fault? Strong density fractures.

225.15 283.10 Mgno 100 0 Gr

Previously referred to as "Normal" medium grained troctolite with mauve coloured mineral - possibly opx to 10%. Realistically this rock is a leuco olivine gabbro-norite that has graded from the unit above. Patchy disseminated interstitial sulphides averaging approx.2% (pyrrhotite dom.). Sulphides increase in amount down this interval and start increasing from trace amounts at about 225m were a notable mixing zone with megacrystic magnetite gabbro norite and large sulphide agglomerations appears (megacrystic intervals include 225.15 to 225.9, 228 to 228.16 and an absorbed paragneiss at 228.47 to 228.57m; core angles at 65 deg to relic banding). 228.57 to 233 is strongly chloritised associated with high angle fracturing. Size and quantity of biotite seems to be greater in this interval (same as for sulphides). FeOx persist and are rimmed by biotite. Note plagioclase crystals have non distinct grain boudaries and are anhedral to subhedral laths which is noticeably

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

different from the zone above. Some plagioclase are zoned and some labradorite is present. From 256.13 to 256.92 a possible paragneiss xenolith, rich in graphite (35-40%) with lesser amounts of chlorite, plagioclase and blebby sulphides. Note sulphides are disseminated and interstitial. Narrow zone of alteration, talc +silica of possible digested country rock(276.53-281). Two 5cm pegmatitic zones of plag and px between 280-280.6.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
225.15	283.10	cg			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
225.15	283.10	xm	1	ds						1	
225.15	283.10	xi	1	ds						1	
225.15	283.10	mb	1.5	ds						1	
225.15	283.10	o	15	su						1	
225.15	283.10	fp	55	an						1	
225.15	283.10	pc		an						1	
225.15	283.10	po	7.5	su						1	
225.15	283.10	po	7.5	an						1	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
225.15	256.13	scp	0.10	ds				
225.15	256.13	spo	0.40	ds				
256.92	261.00	se	0.10	ds				
256.92	261.00	scp	0.10	ds				
256.92	261.00	spo	0.30	ds				
261.00	281.00	se	0.20	ds				
261.00	281.00	scp	0.10	ds				
261.00	281.00	spo	1.00	ds				
281.00	283.10	se	0.20	ds				
281.00	283.10	scp	0.20	ds				
281.00	283.10	spo	2.50	ds				

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
225.15	283.10		0					Spear orientations ineffective for hole. Go to crayon.
225.15	283.10	fc	0	80				The dominant fracture to joint sets commonly near perpendicular to core(70-90CA). Some have thin chloritic interfaces. 20-50cm spaced on average.
230.00	230.10	fa	2					Added by NP. Core grinded but still holding together.

283.10	299.10	Mtr	100			0		Gr
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FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT		
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip

Gradually more sulphide to base of interval. 'Normal' troctolite but greener in overall colour and plags less lathic in shape. Approx. 15% of olivines now pinkish-possibly now pyroxene. Pyrrhotite is the dominant sulphide (itself commonly magnetic).

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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283.10	299.10	cg				1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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283.10	299.10	c	1	su							1	
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283.10	299.10	xi	0.5	ds							1	
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283.10	299.10	xm	0.5	ds							1	
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283.10	299.10	mb	0.5	ds							1	
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283.10	299.10	p	10	an							1	
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283.10	299.10	o	35	an							1	
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283.10	299.10	fp	45	an							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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283.10	285.50	se	0.30	ds					
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283.10	285.50	scp	0.30	ds					
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283.10	285.50	spo	3.00	ds					
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285.50	288.00	se	0.40	ds					
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285.50	288.00	scp	0.40	ds					
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285.50	288.00	spo	4.00	ds					
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288.00	292.00	se	0.60	ds					
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288.00	292.00	scp	0.60	ds					
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288.00	292.00	spo	6.00	ds					
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292.00	299.10	se	0.70	ds					
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292.00	299.10	scp	0.80	ds					
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292.00	299.10	spo	8.50	ds					
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STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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283.10	299.10	fs		2	80				fractures as per interval above
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290.00	299.10	fc		1	10				high angle thin wavy fractures +/-chlorite
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299.10	342.45	Mgno&^pB		100			0		Irr
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FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

Introduction of digested and remnant country rock (GT and paragneiss) within mafic. Absorbed breccias. Locally remnant layering in digested paragneiss. Variably strong to moderately metasomatised for both. In part remnant texture of the later mafic is visible. Sulphides persist but now variably sized and of irregular shape (very coarse to fine disseminations). Spo dominant. Scp preferentially on spo grain boundaries. Ratio of scp to spo increases between 336.25-341. Graphite as wisps and blotches but localised. Less visible oxides than in the above troctolites. At 342.45 is footwal contact.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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299.10	342.45	cg			1	
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MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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299.10	340.12	xm								1	
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299.10	340.12	lcg								1	
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299.10	340.12	q								1	
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299.10	340.12	p								1	
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299.10	340.12	fp								1	
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299.10	341.00	c		ir						1	
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301.12	301.80	lcg	15	rn						1	
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301.80	304.32	lcg	1	ds						1	
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304.32	304.38	lcg	50	by						1	
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304.38	305.31	lcg	.3	ds						1	
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307.14	309.63	lcg	3	ds						1	
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339.00	340.60	lcg	1	rn						1	
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340.60	341.00	lcg	5	rn						1	
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341.00	342.45	lcg	25	rn						1	
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SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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299.10	301.12	se	0.50	by				
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299.10	301.12	spo	7.50	by				
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301.12	301.80	spo	8.00	by				
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301.12	301.80	se	1.00	ds				
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301.12	301.80	scp	1.00	ds				
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301.80	305.30	spo	4.00	by				
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301.80	305.30	se	0.50	ds				
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301.80	305.30	scp	0.50	ds				
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305.30	314.35	spo	6.00					
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305.30	314.35	scp	1.00					
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305.30	314.35	se	0.80					
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FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

314.35	333.50	se	1.00															
314.35	333.50	scp	1.50															
314.35	333.50	spo	10.50															
333.50	336.25	spo	7.00															
333.50	336.25	se	0.50															
333.50	336.25	scp	0.50															
336.25	341.00	spo	4.20															
336.25	341.00	scp	0.50															
336.25	341.00	se	0.30															
341.00	342.23	spo	25.00															
341.00	342.23	scp	1.00															
341.00	342.23	se	1.00															
342.23	342.45	se	0.20															
342.23	342.45	spo	4.50															
342.23	342.45	scp	0.30															

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
299.10	319.88	fs	2	80				as per above
299.10	341.00	fc	1	25				high angle chlorite filled fractures irregularly.
341.00	342.45	fn	3	60				

342.45 442.05 Fg&-aR^g 100 0 Shp

In footwall. Alternating sequences of paragneiss and granite protolith. Paragneiss: variably chloritic, graphitic, coarse grained purple garnet porphyroblast bearing derived from possible psammatic to pelitic precursors commonly having half to metre scale alternations. Chlorite transitional to biotite downhole. At bottom of hole clusters of coarse grained biotite. Finer grained version of paragneiss is darker in colour and typically strongly foliated, often at high angles to core. Granite: remnant quartz and K-spar present.; includes minor graphite and garnet where pervasively altered. Some with minor sericitic mica grains. Other times high temperature and occasionally fluid altered and leucocratic. Sulphides typically blotchy localised concentrations in the granite protolith but more evenly distributed in the paragneiss. Contacts between lithologies are diffuse.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
342.45	447.00	bd			1	
342.45	447.00	gn			1	
342.45	447.00	pb			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
342.45	361.45	lcg	10							1	
342.45	447.00	g		pb						1	

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
342.45	447.00	fc					1												
342.45	447.00	ms	fg				1												
342.45	447.00	mb	st				1												
342.45	447.00	c	st				1												
342.45	447.00	lcg	rn				1												
342.45	447.00	g	cg				1												
342.45	447.00	fk	cg				1												
342.45	447.00	q	cg				1												

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
342.45	361.45	se	0.20						
342.45	361.45	scp	0.80						
342.45	361.45	spo	2.00						

<i>STRUCTURE</i>		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>
342.45	447.00	fn		2					Paragneiss variably foliated at high angles to core. Granitic zones brittle in comparison.
361.45	364.70	fa		2					chloritic foliated broken zone.
364.05	364.10	fg		3					Added by NP
364.10	364.70	fa		2					Added by NP. Strongly broken core.

442.05 442.58 -kMd 100 0
 Fine grained mafic dyke

442.58 447.00 Fg&-aR^g 100 0
 similar to previous unit of the same

Assay Results for: QPD01007

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ00826	265.40	266.00			DSPLT	260.00	1.00	-5.00	-1.00	136.00	46.00	58.00
CQ00827	266.00	267.00			DSPLT	673.00	3.00	-5.00	-1.00	270.00	64.00	65.00
CQ00828	267.00	268.00			DSPLT	146.00	-1.00	-5.00	-1.00	50.00	41.00	62.00
CQ00829	268.00	269.00			DSPLT	83.00	-1.00	-5.00	-1.00	20.00	39.00	60.00
CQ00830	269.00	270.00			DSPLT	127.00	-1.00	-5.00	-1.00	34.00	42.00	58.00
CQ00831	270.00	271.00			DSPLT	149.00	-1.00	-5.00	-1.00	21.00	42.00	57.00
CQ00832	271.00	272.00			DSPLT	158.00	-1.00	-5.00	-1.00	15.00	41.00	55.00
CQ00833	272.00	273.00			DSPLT	915.00	3.00	-5.00	-1.00	292.00	60.00	64.00
CQ00834	273.00	274.00			DSPLT	202.00	-1.00	-5.00	-1.00	64.00	41.00	60.00
CQ00835	274.00	275.00			DSPLT	127.00	-1.00	-5.00	-1.00	30.00	39.00	60.00
CQ00836	275.00	276.00			DSPLT	232.00	-1.00	-5.00	-1.00	50.00	45.00	61.00
CQ00837	276.00	277.00			DSPLT	564.00	4.00	-5.00	-1.00	236.00	55.00	58.00
CQ00838	277.00	278.00			DSPLT	206.00	-1.00	-5.00	-1.00	43.00	42.00	62.00
CQ00839	278.00	279.00			DSPLT	250.00	-1.00	-5.00	-1.00	51.00	41.00	56.00
CQ00840	279.00	280.00			DSPLT	298.00	-1.00	-5.00	-1.00	61.00	46.00	61.00
CQ00841	279.00	280.00	SD	CQ00840	DSPLT	276.00	-1.00	-5.00	-1.00	47.00	49.00	67.00
CQ00842	279.00	280.00	R	CQ00840	DSPLT	286.00	-1.00	-5.00	-1.00	61.00	44.00	59.00
CQ00843	280.00	281.00			DSPLT	366.00	-1.00	-5.00	-1.00	88.00	48.00	64.00
CQ00844	281.00	282.00			DSPLT	494.00	2.00	-5.00	-1.00	162.00	50.00	62.00
CQ00845	282.00	283.10			DSPLT	458.00	3.00	-5.00	-1.00	174.00	66.00	67.00
CQ00846	283.10	284.00			DSPLT	236.00	2.00	-5.00	-1.00	72.00	46.00	55.00
CQ00847	284.00	285.00			DSPLT	391.00	3.00	-5.00	1.00	133.00	50.00	58.00
CQ00848	285.00	285.50			DSPLT	351.00	3.00	-5.00	-1.00	132.00	48.00	60.00
CQ00849	285.50	286.50			DSPLT	395.00	6.00	-5.00	2.00	198.00	67.00	55.00
CQ00850	0.00	0.00	QS	LN1	STAND	14994.00	191.00	85.00	55.00	756.00	283.00	132.00
CQ00851	286.50	287.50			DSPLT	345.00	7.00	-5.00	15.00	202.00	98.00	57.00
CQ00852	287.50	288.00			DSPLT	373.00	7.00	5.00	3.00	229.00	110.00	60.00
CQ00853	288.00	289.00			DSPLT	355.00	6.00	-5.00	3.00	240.00	111.00	61.00
CQ00854	289.00	290.00			DSPLT	438.00	8.00	-5.00	3.00	289.00	121.00	64.00
CQ00855	290.00	291.00			DSPLT	500.00	9.00	6.00	3.00	333.00	138.00	70.00
CQ00856	291.00	292.00			DSPLT	631.00	11.00	6.00	4.00	416.00	157.00	68.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00857	292.00	293.00			DSPLT	733.00	15.00	11.00	4.00	607.00	168.00	72.00
CQ00858	293.00	294.00			DSPLT	553.00	9.00	-5.00	3.00	365.00	129.00	65.00
CQ00859	294.00	295.00			DSPLT	567.00	9.00	9.00	3.00	381.00	129.00	65.00
CQ00860	295.00	296.00			DSPLT	559.00	9.00	-5.00	3.00	397.00	121.00	62.00
CQ00861	295.00	296.00	SD	CQ00860	DSPLT	539.00	9.00	-5.00	3.00	364.00	117.00	57.00
CQ00862	295.00	296.00	R	CQ00860	DSPLT	584.00	9.00	-5.00	3.00	399.00	126.00	63.00
CQ00863	296.00	297.00			DSPLT	388.00	6.00	-5.00	3.00	260.00	88.00	66.00
CQ00864	297.00	298.00			DSPLT	522.00	8.00	-5.00	3.00	357.00	114.00	70.00
CQ00865	298.00	299.10			DSPLT	607.00	10.00	-5.00	3.00	372.00	134.00	79.00
CQ00866	299.10	300.10			DSPLT	439.00	10.00	5.00	3.00	243.00	83.00	66.00
CQ00867	300.10	301.12			DSPLT	551.00	7.00	6.00	3.00	393.00	111.00	100.00
CQ00868	301.12	301.80			DSPLT	530.00	7.00	-5.00	2.00	395.00	129.00	241.00
CQ00869	301.80	302.50			DSPLT	455.00	6.00	5.00	3.00	328.00	105.00	99.00
CQ00870	302.50	303.50			DSPLT	773.00	5.00	-5.00	2.00	497.00	167.00	121.00
CQ00871	303.50	304.50			DSPLT	310.00	6.00	-5.00	2.00	227.00	68.00	65.00
CQ00872	304.50	305.30			DSPLT	361.00	5.00	-5.00	2.00	235.00	86.00	55.00
CQ00873	305.30	306.00			DSPLT	615.00	9.00	-5.00	3.00	305.00	109.00	63.00
CQ00874	306.00	307.00			DSPLT	743.00	10.00	6.00	4.00	696.00	118.00	82.00
CQ00875	0.00	0.00	QS	LN1	STAND	14005.00	146.00	69.00	45.00	635.00	322.00	115.00
CQ00876	307.00	308.00			DSPLT	385.00	5.00	-5.00	3.00	282.00	106.00	79.00
CQ00877	308.00	309.00			DSPLT	468.00	8.00	6.00	3.00	353.00	112.00	78.00
CQ00878	309.00	310.00			DSPLT	381.00	7.00	5.00	2.00	321.00	120.00	93.00
CQ00879	310.00	311.00			DSPLT	724.00	10.00	6.00	4.00	346.00	126.00	56.00
CQ00880	311.00	312.00			DSPLT	726.00	11.00	8.00	4.00	502.00	149.00	62.00
CQ00881	311.00	312.00	SD	CQ00880	DSPLT	546.00	9.00	-5.00	2.00	328.00	118.00	65.00
CQ00882	311.00	312.00	R	CQ00880	DSPLT	778.00	12.00	9.00	4.00	538.00	161.00	68.00
CQ00883	312.00	313.00			DSPLT	970.00	13.00	11.00	4.00	504.00	180.00	73.00
CQ00884	313.00	314.00			DSPLT	575.00	11.00	-5.00	3.00	352.00	115.00	62.00
CQ00885	314.00	314.35			DSPLT	596.00	9.00	-5.00	4.00	303.00	107.00	69.00
CQ00886	314.35	315.00			DSPLT	764.00	12.00	-5.00	4.00	454.00	154.00	74.00
CQ00887	315.00	316.00			DSPLT	960.00	14.00	10.00	4.00	595.00	188.00	76.00
CQ00888	316.00	317.00			DSPLT	832.00	14.00	11.00	4.00	556.00	164.00	71.00
CQ00889	317.00	318.00			DSPLT	972.00	15.00	10.00	5.00	540.00	199.00	71.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00890	318.00	319.00			DSPLT	895.00	14.00	5.00	5.00	582.00	181.00	66.00
CQ00891	319.00	320.00			DSPLT	903.00	15.00	9.00	4.00	570.00	190.00	75.00
CQ00892	320.00	321.00			DSPLT	1226.00	18.00	6.00	7.00	749.00	249.00	90.00
CQ00893	321.00	322.00			DSPLT	1145.00	17.00	15.00	7.00	691.00	252.00	84.00
CQ00894	322.00	323.00			DSPLT	1020.00	12.00	8.00	5.00	630.00	235.00	80.00
CQ00895	323.00	324.00			DSPLT	1285.00	13.00	6.00	3.00	704.00	297.00	70.00
CQ00896	324.00	325.00			DSPLT	856.00	11.00	7.00	3.00	473.00	204.00	62.00
CQ00897	325.00	326.00			DSPLT	695.00	10.00	-5.00	3.00	465.00	177.00	61.00
CQ00898	326.00	327.00			DSPLT	686.00	9.00	-5.00	3.00	407.00	184.00	69.00
CQ00899	327.00	328.00			DSPLT	914.00	13.00	8.00	5.00	622.00	215.00	79.00
CQ00900	328.00	329.00			DSPLT	1194.00	17.00	12.00	5.00	737.00	265.00	82.00
CQ00901	328.00	329.00	SD	CQ00900	DSPLT	1078.00	16.00	12.00	4.00	720.00	243.00	83.00
CQ00902	328.00	329.00	R	CQ00900	DSPLT	1149.00	17.00	11.00	5.00	709.00	254.00	80.00
CQ00903	329.00	330.00			DSPLT	839.00	15.00	11.00	4.00	533.00	194.00	75.00
CQ00904	330.00	331.00			DSPLT	829.00	19.00	11.00	4.00	853.00	188.00	78.00
CQ00905	331.00	332.00			DSPLT	911.00	14.00	7.00	5.00	802.00	212.00	63.00
CQ00906	332.00	333.00			DSPLT	1028.00	16.00	6.00	5.00	447.00	214.00	76.00
CQ00907	333.00	333.50			DSPLT	699.00	16.00	10.00	5.00	467.00	152.00	66.00
CQ00908	333.50	334.50			DSPLT	1057.00	24.00	13.00	5.00	663.00	210.00	83.00
CQ00909	334.50	335.50			DSPLT	915.00	20.00	12.00	5.00	611.00	183.00	86.00
CQ00910	335.50	336.25			DSPLT	780.00	19.00	10.00	4.00	517.00	151.00	80.00
CQ00911	336.25	337.25			DSPLT	805.00	18.00	8.00	4.00	502.00	142.00	84.00
CQ00912	337.25	338.25			DSPLT	804.00	14.00	8.00	4.00	637.00	106.00	74.00
CQ00913	338.25	339.25			DSPLT	1948.00	35.00	16.00	9.00	1462.00	175.00	79.00
CQ00914	339.25	340.25			DSPLT	1925.00	22.00	13.00	7.00	1737.00	185.00	71.00
CQ00915	340.25	341.00			DSPLT	1478.00	18.00	7.00	5.00	1157.00	159.00	72.00
CQ00916	341.00	341.50			DSPLT	2749.00	15.00	9.00	5.00	2202.00	288.00	3310.00
CQ00917	341.50	342.45			DSPLT	3875.00	18.00	-5.00	5.00	2620.00	379.00	154.00
CQ00918	342.45	343.00			DSPLT	411.00	4.00	-5.00	2.00	293.00	18.00	14.00
CQ00919	343.00	344.00			DSPLT	1371.00	17.00	9.00	1.00	621.00	71.00	30.00
CQ00920	344.00	345.00			DSPLT	863.00	11.00	-5.00	2.00	904.00	70.00	60.00
CQ00921	344.00	345.00	SD	CQ00920	DSPLT	1361.00	12.00	7.00	2.00	2024.00	90.00	50.00
CQ00922	344.00	345.00	R	CQ00920	DSPLT	851.00	12.00	-5.00	3.00	922.00	69.00	60.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00923	345.00	346.00			DSPLT	293.00	8.00	-5.00	3.00	300.00	20.00	41.00
CQ00924	346.00	347.00			DSPLT	155.00	6.00	7.00	3.00	71.00	29.00	83.00
CQ00925	0.00	0.00	QS	LN1	STAND	12531.00	154.00	68.00	43.00	610.00	304.00	104.00
CQ00926	347.00	348.00			DSPLT	963.00	37.00	25.00	8.00	886.00	46.00	93.00
CQ00927	348.00	349.00			DSPLT	984.00	23.00	11.00	6.00	745.00	52.00	90.00
CQ00928	349.00	350.00			DSPLT	2321.00	62.00	22.00	14.00	2219.00	108.00	115.00
CQ00929	350.00	351.00			DSPLT	1673.00	20.00	5.00	4.00	1596.00	121.00	143.00
CQ00930	351.00	352.00			DSPLT	791.00	14.00	7.00	3.00	574.00	50.00	81.00
CQ00931	352.00	353.00			DSPLT	579.00	14.00	6.00	3.00	790.00	59.00	110.00
CQ00932	353.00	354.00			DSPLT	2259.00	58.00	25.00	13.00	1846.00	106.00	101.00
CQ00933	354.00	355.00			DSPLT	2131.00	64.00	21.00	12.00	2279.00	88.00	109.00
CQ00934	355.00	356.00			DSPLT	2893.00	71.00	21.00	13.00	2882.00	104.00	134.00
CQ00935	356.00	357.00			DSPLT	1548.00	34.00	18.00	7.00	1051.00	68.00	78.00
CQ00936	357.00	358.00			DSPLT	1856.00	80.00	31.00	17.00	1876.00	73.00	143.00
CQ00937	358.00	359.00			DSPLT	57.00	2.00	-5.00	-1.00	159.00	28.00	121.00
CQ00938	359.00	360.00			DSPLT	55.00	2.00	-5.00	2.00	101.00	28.00	106.00
CQ00939	360.00	361.00			DSPLT	365.00	11.00	-5.00	3.00	176.00	32.00	109.00
CQ00940	361.00	361.45			DSPLT	246.00	9.00	7.00	3.00	806.00	34.00	145.00
CQ00941	361.00	361.45	SD	CQ00940	DSPLT	166.00	4.00	-5.00	2.00	911.00	36.00	123.00
CQ00942	361.00	361.45	R	CQ00940	DSPLT	628.00	8.00	-5.00	3.00	1931.00	70.00	364.00
CQ00943	365.00	366.00			DSPLT	597.00	6.00	-5.00	2.00	988.00	67.00	67.00
CQ00944	368.00	369.00			DSPLT	691.00	7.00	-5.00	1.00	570.00	76.00	139.00
CQ00945	371.00	372.00			DSPLT	36.00	2.00	-5.00	1.00	21.00	22.00	79.00
CQ00946	3.00	4.00			DSPLT	24.00	-1.00	-5.00	2.00	22.00	30.00	42.00
CQ00947	6.00	7.00			DSPLT	38.00	-1.00	-5.00	2.00	42.00	68.00	86.00
CQ00948	9.00	10.00			DSPLT	151.00	4.00	-5.00	2.00	168.00	60.00	77.00
CQ00949	12.00	13.00			DSPLT	116.00	2.00	-5.00	1.00	137.00	54.00	59.00
CQ00950	0.00	0.00	QS	LN1	STAND	12911.00	140.00	67.00	39.00	618.00	310.00	107.00
CQ00951	15.00	16.00			DSPLT	81.00	-1.00	-5.00	2.00	48.00	41.00	48.00
CQ00952	18.00	19.00			DSPLT	147.00	-1.00	-5.00	2.00	70.00	73.00	109.00
CQ00953	21.00	22.00			DSPLT	201.00	4.00	-5.00	2.00	244.00	82.00	87.00
CQ00954	24.00	25.00			DSPLT	225.00	6.00	-5.00	2.00	106.00	155.00	181.00
CQ00955	27.00	28.00			DSPLT	91.00	-1.00	-5.00	1.00	42.00	39.00	50.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00956	30.00	31.00			DSPLT	214.00	2.00	-5.00	3.00	148.00	49.00	50.00
CQ00957	33.00	34.00			DSPLT	84.00	1.00	-5.00	2.00	69.00	48.00	65.00
CQ00958	36.00	37.00			DSPLT	87.00	-1.00	-5.00	-1.00	43.00	42.00	52.00
CQ00959	39.00	40.00			DSPLT	64.00	-1.00	-5.00	2.00	39.00	25.00	51.00
CQ00960	42.00	43.00			DSPLT	58.00	-1.00	-5.00	2.00	36.00	29.00	51.00
CQ00961	42.00	43.00	SD	CQ00960	DSPLT	55.00	-1.00	-5.00	1.00	34.00	24.00	48.00
CQ00962	42.00	43.00	R	CQ00960	DSPLT	57.00	1.00	-5.00	2.00	36.00	29.00	51.00
CQ00963	45.00	46.00			DSPLT	40.00	-1.00	-5.00	11.00	43.00	45.00	65.00
CQ00964	48.00	49.00			DSPLT	51.00	-1.00	-5.00	2.00	52.00	44.00	66.00
CQ00965	51.00	52.00			DSPLT	55.00	-1.00	-5.00	-1.00	39.00	43.00	65.00
CQ00966	54.00	55.00			DSPLT	78.00	-1.00	-5.00	1.00	60.00	57.00	79.00
CQ00967	57.00	58.00			DSPLT	72.00	-1.00	-5.00	2.00	50.00	49.00	73.00
CQ00968	60.00	61.00			DSPLT	75.00	-1.00	-5.00	1.00	52.00	51.00	79.00
CQ00969	63.00	64.00			DSPLT	118.00	-1.00	-5.00	-1.00	66.00	62.00	88.00
CQ00970	66.00	67.00			DSPLT	70.00	-1.00	-5.00	2.00	53.00	44.00	66.00
CQ00971	69.00	70.00			DSPLT	85.00	-1.00	-5.00	1.00	56.00	48.00	77.00
CQ00972	72.00	73.00			DSPLT	293.00	-1.00	-5.00	2.00	119.00	89.00	112.00
CQ00973	75.00	76.00			DSPLT	156.00	-1.00	-5.00	1.00	145.00	53.00	90.00
CQ00974	78.00	79.00			DSPLT	159.00	-1.00	-5.00	-1.00	41.00	41.00	61.00
CQ00975	0.00	0.00	QS	LN1	STAND							
CQ00977	84.00	85.00			DSPLT	138.00	-1.00	-5.00	-1.00	42.00	41.00	76.00
CQ00978	87.00	88.00			DSPLT	141.00	-1.00	-5.00	-1.00	43.00	41.00	62.00
CQ00979	93.00	94.00			DSPLT	141.00	-1.00	-5.00	-1.00	26.00	38.00	55.00
CQ00980	96.00	97.00			DSPLT	132.00	-1.00	-5.00	-1.00	23.00	38.00	57.00
CQ00981	96.00	97.00	SD	CQ00980	DSPLT	131.00	-1.00	-5.00	-1.00	21.00	38.00	56.00
CQ00982	96.00	97.00	R	CQ00980	DSPLT	127.00	-1.00	-5.00	-1.00	21.00	37.00	54.00
CQ00983	99.00	100.00			DSPLT	143.00	-1.00	-5.00	2.00	16.00	39.00	57.00
CQ00984	102.00	103.00			DSPLT	137.00	-1.00	-5.00	2.00	19.00	39.00	60.00
CQ00985	105.00	106.00			DSPLT	151.00	-1.00	-5.00	6.00	15.00	39.00	59.00
CQ00986	108.00	109.00			DSPLT	159.00	-1.00	-5.00	-1.00	13.00	37.00	62.00
CQ00987	111.00	112.00			DSPLT	165.00	-1.00	-5.00	2.00	26.00	36.00	59.00
CQ00988	90.00	91.00			DSPLT	86.00	-1.00	-5.00	-1.00	51.00	34.00	52.00
CQ00989	114.00	115.00			DSPLT	212.00	1.00	-5.00	-1.00	35.00	45.00	70.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ00990	117.00	118.00			DSPLT	144.00	-1.00	-5.00	1.00	42.00	43.00	74.00
CQ00991	120.00	121.00			DSPLT	128.00	-1.00	-5.00	-1.00	12.00	32.00	56.00
CQ00992	123.00	124.00			DSPLT	150.00	2.00	-5.00	1.00	21.00	34.00	57.00
CQ00993	126.00	127.00			DSPLT	146.00	-1.00	-5.00	-1.00	22.00	36.00	55.00
CQ00994	129.00	130.00			DSPLT	188.00	-1.00	-5.00	-1.00	34.00	41.00	59.00
CQ00995	132.00	133.00			DSPLT	159.00	-1.00	-5.00	1.00	34.00	39.00	60.00
CQ00996	135.00	136.00			DSPLT	126.00	-1.00	-5.00	-1.00	28.00	34.00	53.00
CQ00997	138.00	139.00			DSPLT	100.00	-1.00	-5.00	-1.00	57.00	38.00	65.00
CQ00998	141.00	142.00			DSPLT	8.00	-1.00	-5.00	-1.00	22.00	33.00	95.00
CQ00999	144.00	145.00			DSPLT	149.00	-1.00	-5.00	-1.00	28.00	41.00	61.00
CQ01000	147.00	148.00			DSPLT	156.00	-1.00	-5.00	-1.00	16.00	34.00	52.00
CQ01001	147.00	148.00	SD	CQ01000	DSPLT	161.00	-1.00	-5.00	1.00	18.00	35.00	53.00
CQ01002	147.00	148.00	R	CQ01000	DSPLT	166.00	-1.00	-5.00	-1.00	18.00	37.00	55.00
CQ01003	150.00	151.00			DSPLT	180.00	-1.00	-5.00	-1.00	27.00	39.00	58.00
CQ01004	153.00	154.00			DSPLT	162.00	-1.00	-5.00	1.00	33.00	37.00	57.00
CQ01005	156.00	157.00			DSPLT	159.00	-1.00	-5.00	1.00	46.00	40.00	59.00
CQ01006	159.00	160.00			DSPLT	151.00	-1.00	-5.00	1.00	27.00	36.00	56.00
CQ01007	162.00	163.00			DSPLT	134.00	-1.00	-5.00	-1.00	38.00	35.00	55.00
CQ01008	165.00	166.00			DSPLT	113.00	2.00	-5.00	3.00	53.00	33.00	49.00
CQ01009	168.00	169.00			DSPLT	141.00	-1.00	-5.00	1.00	48.00	34.00	48.00
CQ01010	171.00	172.00			DSPLT	152.00	-1.00	20.00	3.00	51.00	34.00	49.00
CQ01011	174.00	175.00			DSPLT	159.00	1.00	-5.00	-1.00	26.00	36.00	53.00
CQ01012	177.00	178.00			DSPLT	152.00	-1.00	-5.00	-1.00	22.00	35.00	51.00
CQ01013	180.00	181.00			DSPLT	153.00	-1.00	-5.00	1.00	30.00	35.00	46.00
CQ01014	183.00	184.00			DSPLT	195.00	1.00	-5.00	-1.00	29.00	37.00	49.00
CQ01015	186.00	187.00			DSPLT	189.00	-1.00	-5.00	-1.00	24.00	39.00	52.00
CQ01016	189.00	190.00			DSPLT	162.00	-1.00	-5.00	-1.00	24.00	35.00	46.00
CQ01017	192.00	193.00			DSPLT	202.00	1.00	-5.00	1.00	27.00	37.00	49.00
CQ01018	195.00	196.00			DSPLT	184.00	-1.00	-5.00	2.00	27.00	40.00	50.00
CQ01019	198.00	199.00			DSPLT	173.00	-1.00	-5.00	1.00	28.00	35.00	45.00
CQ01020	201.00	202.00			DSPLT	291.00	-1.00	-5.00	1.00	80.00	42.00	53.00
CQ01021	201.00	202.00	SD	CQ01020	DSPLT	444.00	1.00	-5.00	2.00	133.00	48.00	58.00
CQ01022	201.00	202.00	R	CQ01020	DSPLT	294.00	1.00	-5.00	1.00	81.00	43.00	53.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01023	204.00	205.00			DSPLT	215.00	1.00	-5.00	-1.00	30.00	44.00	54.00
CQ01024	207.00	208.00			DSPLT	203.00	-1.00	-5.00	-1.00	36.00	42.00	52.00
CQ01025	0.00	0.00	QS	LN1	STAND	13598.00	173.00	79.00	48.00	716.00	304.00	127.00
CQ01026	210.00	211.00			DSPLT	167.00	-1.00	-5.00	1.00	32.00	35.00	45.00
CQ01027	213.00	214.00			DSPLT	174.00	-1.00	-5.00	1.00	37.00	35.00	48.00
CQ01028	216.00	217.00			DSPLT	187.00	-1.00	-5.00	1.00	21.00	38.00	49.00
CQ01029	219.00	220.00			DSPLT	165.00	-1.00	-5.00	1.00	24.00	37.00	51.00
CQ01030	222.00	223.00			DSPLT	138.00	-1.00	-5.00	1.00	20.00	35.00	51.00
CQ01031	225.00	226.00			DSPLT	502.00	1.00	6.00	2.00	298.00	72.00	60.00
CQ01032	228.00	229.00			DSPLT	558.00	2.00	-5.00	3.00	149.00	57.00	55.00
CQ01033	231.00	232.00			DSPLT	168.00	-1.00	-5.00	1.00	22.00	40.00	58.00
CQ01034	234.00	235.00			DSPLT	190.00	-1.00	-5.00	-1.00	18.00	40.00	53.00
CQ01035	237.00	238.00			DSPLT	334.00	-1.00	-5.00	1.00	69.00	44.00	57.00
CQ01036	240.00	241.00			DSPLT	154.00	-1.00	-5.00	-1.00	21.00	36.00	52.00
CQ01037	243.00	244.00			DSPLT	186.00	-1.00	-5.00	-1.00	35.00	39.00	53.00
CQ01038	246.00	247.00			DSPLT	193.00	-1.00	-5.00	-1.00	31.00	39.00	52.00
CQ01039	249.00	250.00			DSPLT	226.00	-1.00	-5.00	2.00	50.00	41.00	51.00
CQ01040	252.00	253.00			DSPLT	287.00	-1.00	-5.00	-1.00	79.00	41.00	51.00
CQ01042	252.00	253.00	R	CQ01040	DSPLT	286.00	-1.00	6.00	2.00	77.00	41.00	51.00
CQ01043	255.00	256.00			DSPLT	219.00	-1.00	-5.00	1.00	65.00	45.00	56.00
CQ01044	258.00	259.00			DSPLT	116.00	-1.00	-5.00	2.00	25.00	38.00	47.00
CQ01045	261.00	262.00			DSPLT	153.00	-1.00	-5.00	1.00	21.00	34.00	46.00
CQ01046	264.00	265.00			DSPLT	1013.00	5.00	6.00	4.00	623.00	62.00	61.00
CQ00976	81.00	82.00			DSPLT	114.00	-1.00	-5.00	2.00	54.00	44.00	66.00
CQ01041	252.00	253.00	SD	CQ01040	DSPLT							

DOWN HOLE SURVEY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>AZIMUTH</i>	<i>DIP</i>	<i>TYPE</i>
QPD01007	0.00	90.00	-80.00	DM
QPD01007	3.00	90.59	-79.94	MB
QPD01007	6.00	90.96	-79.89	MB
QPD01007	9.00	91.10	-79.88	MB
QPD01007	12.00	91.12	-79.88	MB
QPD01007	15.00	91.19	-79.87	MB
QPD01007	18.00	91.29	-79.87	MB
QPD01007	21.00	91.47	-79.89	MB
QPD01007	24.00	91.63	-79.88	MB
QPD01007	27.00	91.82	-79.87	MB
QPD01007	30.00	91.91	-79.86	MB
QPD01007	33.00	92.13	-79.87	MB
QPD01007	36.00	92.24	-79.85	MB
QPD01007	39.00	92.37	-79.83	MB
QPD01007	42.00	92.42	-79.81	MB
QPD01007	45.00	92.39	-79.87	MB
QPD01007	48.00	92.36	-79.85	MB
QPD01007	51.00	92.24	-79.85	MB
QPD01007	54.00	92.26	-79.83	MB
QPD01007	57.00	92.24	-79.85	MB
QPD01007	60.00	92.35	-79.82	MB
QPD01007	63.00	92.32	-79.81	MB
QPD01007	66.00	92.25	-79.79	MB
QPD01007	69.00	92.28	-79.81	MB
QPD01007	72.00	92.34	-79.79	MB
QPD01007	75.00	92.64	-79.81	MB
QPD01007	78.00	92.63	-79.78	MB
QPD01007	81.00	92.54	-79.76	MB
QPD01007	84.00	92.61	-79.74	MB
QPD01007	87.00	92.74	-79.76	MB
QPD01007	90.00	92.81	-79.78	MB
QPD01007	93.00	92.93	-79.76	MB
QPD01007	96.00	93.00	-79.75	MB
QPD01007	99.00	93.30	-79.76	MB
QPD01007	102.00	93.31	-79.76	MB
QPD01007	105.00	93.50	-79.76	MB
QPD01007	108.00	93.71	-79.75	MB
QPD01007	111.00	93.68	-79.80	MB
QPD01007	114.00	93.74	-79.80	MB
QPD01007	117.00	93.84	-79.81	MB
QPD01007	120.00	93.94	-79.81	MB
QPD01007	123.00	93.83	-79.79	MB
QPD01007	126.00	94.18	-79.79	MB
QPD01007	129.00	94.42	-79.79	MB
QPD01007	132.00	94.35	-79.79	MB
QPD01007	135.00	94.45	-79.81	MB
QPD01007	138.00	94.54	-79.79	MB
QPD01007	141.00	94.46	-79.76	MB

QPD01007	144.00	94.64	-79.77	MB
QPD01007	147.00	94.70	-79.77	MB
QPD01007	150.00	94.71	-79.77	MB
QPD01007	153.00	94.85	-79.75	MB
QPD01007	156.00	94.90	-79.75	MB
QPD01007	159.00	94.91	-79.74	MB
QPD01007	162.00	95.16	-79.74	MB
QPD01007	165.00	95.24	-79.72	MB
QPD01007	168.00	95.36	-79.72	MB
QPD01007	171.00	95.43	-79.70	MB
QPD01007	174.00	95.42	-79.70	MB
QPD01007	177.00	95.51	-79.70	MB
QPD01007	180.00	95.80	-79.69	MB
QPD01007	183.00	95.93	-79.67	MB
QPD01007	186.00	96.05	-79.68	MB
QPD01007	189.00	96.21	-79.68	MB
QPD01007	192.00	96.38	-79.64	MB
QPD01007	195.00	96.29	-79.63	MB
QPD01007	198.00	96.45	-79.63	MB
QPD01007	201.00	96.78	-79.63	MB
QPD01007	204.00	96.68	-79.66	MB
QPD01007	207.00	96.84	-79.67	MB
QPD01007	210.00	96.96	-79.70	MB
QPD01007	213.00	97.25	-79.70	MB
QPD01007	216.00	97.32	-79.71	MB
QPD01007	219.00	97.38	-79.75	MB
QPD01007	222.00	97.49	-79.77	MB
QPD01007	225.00	97.76	-79.78	MB
QPD01007	228.00	97.79	-79.81	MB
QPD01007	231.00	98.04	-79.82	MB
QPD01007	234.00	98.20	-79.82	MB
QPD01007	237.00	98.38	-79.83	MB
QPD01007	240.00	98.63	-79.84	MB
QPD01007	243.00	99.06	-79.82	MB
QPD01007	246.00	99.31	-79.84	MB
QPD01007	249.00	99.32	-79.84	MB
QPD01007	252.00	99.71	-79.83	MB
QPD01007	255.00	99.79	-79.87	MB
QPD01007	258.00	99.83	-79.88	MB
QPD01007	261.00	100.14	-79.87	MB
QPD01007	264.00	100.27	-79.85	MB
QPD01007	267.00	100.54	-79.84	MB
QPD01007	270.00	100.60	-79.85	MB
QPD01007	273.00	100.91	-79.83	MB
QPD01007	276.00	101.18	-79.83	MB
QPD01007	279.00	101.22	-79.81	MB
QPD01007	282.00	101.64	-79.79	MB
QPD01007	285.00	101.88	-79.78	MB
QPD01007	288.00	101.94	-79.75	MB
QPD01007	291.00	102.16	-79.75	MB
QPD01007	294.00	102.50	-79.75	MB
QPD01007	297.00	102.42	-79.72	MB

QPD01007	300.00	102.62	-79.70	MB
QPD01007	303.00	103.02	-79.73	MB
QPD01007	306.00	103.07	-79.72	MB
QPD01007	309.00	103.05	-79.72	MB
QPD01007	312.00	103.14	-79.72	MB
QPD01007	315.00	103.25	-79.74	MB
QPD01007	318.00	103.30	-79.73	MB
QPD01007	321.00	103.44	-79.71	MB
QPD01007	324.00	103.56	-79.71	MB
QPD01007	327.00	103.47	-79.73	MB
QPD01007	330.00	103.42	-79.72	MB
QPD01007	333.00	103.59	-79.72	MB
QPD01007	336.00	103.78	-79.70	MB
QPD01007	339.00	103.88	-79.69	MB
QPD01007	342.00	104.03	-79.67	MB
QPD01007	345.00	104.29	-79.64	MB
QPD01007	348.00	104.42	-79.63	MB
QPD01007	351.00	104.45	-79.63	MB
QPD01007	354.00	104.78	-79.61	MB
QPD01007	357.00	104.76	-79.63	MB
QPD01007	360.00	105.09	-79.66	MB
QPD01007	363.00	105.38	-79.68	MB
QPD01007	366.00	105.36	-79.70	MB
QPD01007	369.00	105.30	-79.68	MB
QPD01007	372.00	105.61	-79.66	MB
QPD01007	375.00	105.87	-79.64	MB
QPD01007	378.00	106.08	-79.63	MB
QPD01007	381.00	106.25	-79.59	MB
QPD01007	384.00	106.57	-79.57	MB
QPD01007	387.00	106.61	-79.58	MB
QPD01007	390.00	106.95	-79.53	MB
QPD01007	393.00	107.43	-79.51	MB
QPD01007	396.00	107.79	-79.46	MB
QPD01007	399.00	107.88	-79.45	MB
QPD01007	402.00	107.77	-79.45	MB
QPD01007	405.00	107.88	-79.44	MB
QPD01007	408.00	108.24	-79.48	MB
QPD01007	411.00	108.39	-79.52	MB
QPD01007	414.00	108.55	-79.50	MB
QPD01007	417.00	108.79	-79.52	MB
QPD01007	420.00	108.73	-79.53	MB
QPD01007	423.00	109.13	-79.48	MB
QPD01007	426.00	109.37	-79.49	MB
QPD01007	429.00	109.48	-79.48	MB
QPD01007	432.00	109.49	-79.46	MB
QPD01007	435.00	109.50	-79.46	MB
QPD01007	441.00	109.37	-79.34	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01007	2.00	660.00
QPD01007	3.00	874.00
QPD01007	4.00	777.00
QPD01007	5.00	45.00
QPD01007	6.00	82.00
QPD01007	7.00	6290.00
QPD01007	8.00	230.00
QPD01007	9.00	1730.00
QPD01007	10.00	1429.00
QPD01007	11.00	604.00
QPD01007	12.00	273.00
QPD01007	13.00	594.00
QPD01007	14.00	895.00
QPD01007	15.00	76.00
QPD01007	16.00	362.00
QPD01007	17.00	30.00
QPD01007	18.00	12.00
QPD01007	19.00	1177.00
QPD01007	20.00	1.00
QPD01007	21.00	1500.00
QPD01007	22.00	40.00
QPD01007	23.00	2272.00
QPD01007	24.00	688.00
QPD01007	25.00	1725.00
QPD01007	26.00	0.00
QPD01007	27.00	507.00
QPD01007	28.00	890.00
QPD01007	29.00	0.00
QPD01007	30.00	2043.00
QPD01007	31.00	565.00
QPD01007	32.00	1423.00
QPD01007	33.00	705.00
QPD01007	34.00	1468.00
QPD01007	35.00	257.00
QPD01007	36.00	440.00
QPD01007	37.00	1442.00
QPD01007	38.00	1016.00
QPD01007	39.00	3304.00
QPD01007	40.00	686.00
QPD01007	41.00	1250.00
QPD01007	42.00	1650.00
QPD01007	43.00	1817.00
QPD01007	44.00	1565.00
QPD01007	45.00	3205.00
QPD01007	46.00	3000.00
QPD01007	47.00	1490.00
QPD01007	48.00	2196.00
QPD01007	49.00	1395.00

QPD01007	50.00	831.00
QPD01007	51.00	2048.00
QPD01007	52.00	1112.00
QPD01007	53.00	1650.00
QPD01007	54.00	1982.00
QPD01007	55.00	1580.00
QPD01007	56.00	2497.00
QPD01007	57.00	2400.00
QPD01007	58.00	2102.00
QPD01007	59.00	572.00
QPD01007	60.00	1403.00
QPD01007	61.00	1675.00
QPD01007	62.00	1540.00
QPD01007	63.00	2125.00
QPD01007	64.00	3822.00
QPD01007	65.00	2253.00
QPD01007	66.00	1526.00
QPD01007	67.00	1493.00
QPD01007	68.00	2373.00
QPD01007	69.00	2292.00
QPD01007	70.00	1690.00
QPD01007	71.00	2024.00
QPD01007	72.00	3118.00
QPD01007	73.00	5255.00
QPD01007	74.00	105.00
QPD01007	75.00	4730.00
QPD01007	76.00	977.00
QPD01007	77.00	611.00
QPD01007	78.00	938.00
QPD01007	79.00	805.00
QPD01007	80.00	550.00
QPD01007	81.00	777.00
QPD01007	82.00	1412.00
QPD01007	83.00	216.00
QPD01007	84.00	60.00
QPD01007	85.00	1425.00
QPD01007	86.00	1360.00
QPD01007	87.00	503.00
QPD01007	88.00	1140.00
QPD01007	89.00	380.00
QPD01007	90.00	1175.00
QPD01007	91.00	100.00
QPD01007	92.00	914.00
QPD01007	93.00	277.00
QPD01007	94.00	1045.00
QPD01007	95.00	800.00
QPD01007	96.00	915.00
QPD01007	97.00	1220.00
QPD01007	98.00	870.00
QPD01007	99.00	970.00
QPD01007	100.00	1258.00
QPD01007	101.00	1190.00

QPD01007	102.00	440.00
QPD01007	103.00	1400.00
QPD01007	104.00	685.00
QPD01007	105.00	1190.00
QPD01007	106.00	1085.00
QPD01007	107.00	467.00
QPD01007	108.00	950.00
QPD01007	109.00	757.00
QPD01007	110.00	1233.00
QPD01007	111.00	990.00
QPD01007	112.00	1186.00
QPD01007	113.00	1555.00
QPD01007	114.00	612.00
QPD01007	115.00	684.00
QPD01007	116.00	1448.00
QPD01007	117.00	1245.00
QPD01007	118.00	55.00
QPD01007	119.00	47.00
QPD01007	120.00	140.00
QPD01007	121.00	125.00
QPD01007	122.00	1461.00
QPD01007	123.00	701.00
QPD01007	124.00	313.00
QPD01007	125.00	92.00
QPD01007	126.00	808.00
QPD01007	127.00	88.00
QPD01007	128.00	1240.00
QPD01007	129.00	1650.00
QPD01007	130.00	1255.00
QPD01007	131.00	739.00
QPD01007	132.00	1158.00
QPD01007	133.00	507.00
QPD01007	134.00	1283.00
QPD01007	135.00	1233.00
QPD01007	136.00	1126.00
QPD01007	137.00	1112.00
QPD01007	138.00	1072.00
QPD01007	139.00	1194.00
QPD01007	140.00	2825.00
QPD01007	141.00	2766.00
QPD01007	142.00	5025.00
QPD01007	143.00	2420.00
QPD01007	144.00	3833.00
QPD01007	145.00	732.00
QPD01007	146.00	751.00
QPD01007	147.00	781.00
QPD01007	148.00	1322.00
QPD01007	149.00	1240.00
QPD01007	150.00	985.00
QPD01007	151.00	1042.00
QPD01007	152.00	1825.00
QPD01007	153.00	917.00

QPD01007	154.00	860.00
QPD01007	155.00	642.00
QPD01007	156.00	1081.00
QPD01007	157.00	584.00
QPD01007	158.00	1610.00
QPD01007	159.00	550.00
QPD01007	160.00	1092.00
QPD01007	161.00	1404.00
QPD01007	162.00	202.00
QPD01007	163.00	1720.00
QPD01007	164.00	1081.00
QPD01007	165.00	1553.00
QPD01007	166.00	999.00
QPD01007	167.00	1360.00
QPD01007	168.00	1750.00
QPD01007	169.00	274.00
QPD01007	170.00	848.00
QPD01007	171.00	905.00
QPD01007	172.00	900.00
QPD01007	173.00	1060.00
QPD01007	174.00	833.00
QPD01007	175.00	1011.00
QPD01007	176.00	186.00
QPD01007	177.00	673.00
QPD01007	178.00	394.00
QPD01007	179.00	840.00
QPD01007	180.00	1280.00
QPD01007	181.00	742.00
QPD01007	182.00	915.00
QPD01007	183.00	882.00
QPD01007	184.00	992.00
QPD01007	185.00	944.00
QPD01007	186.00	953.00
QPD01007	187.00	917.00
QPD01007	188.00	444.00
QPD01007	189.00	567.00
QPD01007	190.00	350.00
QPD01007	191.00	705.00
QPD01007	192.00	573.00
QPD01007	193.00	645.00
QPD01007	194.00	797.00
QPD01007	195.00	608.00
QPD01007	196.00	915.00
QPD01007	197.00	888.00
QPD01007	198.00	754.00
QPD01007	199.00	802.00
QPD01007	200.00	720.00
QPD01007	201.00	528.00
QPD01007	202.00	816.00
QPD01007	203.00	658.00
QPD01007	204.00	1031.00
QPD01007	205.00	805.00

QPD01007	206.00	831.00
QPD01007	207.00	805.00
QPD01007	208.00	818.00
QPD01007	209.00	723.00
QPD01007	210.00	616.00
QPD01007	211.00	697.00
QPD01007	212.00	840.00
QPD01007	213.00	431.00
QPD01007	214.00	604.00
QPD01007	215.00	630.00
QPD01007	216.00	622.00
QPD01007	217.00	626.00
QPD01007	218.00	426.00
QPD01007	219.00	534.00
QPD01007	220.00	606.00
QPD01007	221.00	843.00
QPD01007	222.00	612.00
QPD01007	223.00	689.00
QPD01007	224.00	674.00
QPD01007	225.00	1875.00
QPD01007	226.00	1064.00
QPD01007	227.00	1091.00
QPD01007	228.00	43.00
QPD01007	229.00	691.00
QPD01007	230.00	340.00
QPD01007	231.00	657.00
QPD01007	232.00	771.00
QPD01007	233.00	634.00
QPD01007	234.00	785.00
QPD01007	235.00	668.00
QPD01007	236.00	744.00
QPD01007	237.00	515.00
QPD01007	238.00	654.00
QPD01007	239.00	1089.00
QPD01007	240.00	751.00
QPD01007	241.00	836.00
QPD01007	242.00	735.00
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QPD01007	246.00	763.00
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QPD01007	251.00	870.00
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QPD01007	261.00	785.00
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QPD01007	263.00	724.00
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QPD01007	267.00	757.00
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QPD01007	269.00	607.00
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QPD01007	271.00	603.00
QPD01007	272.00	704.00
QPD01007	273.00	684.00
QPD01007	274.00	573.00
QPD01007	275.00	511.00
QPD01007	276.00	513.00
QPD01007	277.00	918.00
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QPD01007	304.00	1130.00
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QPD01007	309.00	2587.00

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QPD01007	312.00	1692.00
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QPD01007	352.00	193.00
QPD01007	353.00	129.00
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QPD01007	356.00	820.00
QPD01007	357.00	452.00
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QPD01007	365.00	21.00
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QPD01007	367.00	855.00
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QPD01007	370.00	8.00
QPD01007	371.00	589.00
QPD01007	372.00	24.00
QPD01007	373.00	45.00
QPD01007	374.00	71.00
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QPD01007	377.00	29.00
QPD01007	378.00	153.00
QPD01007	379.00	32.00
QPD01007	380.00	8.00
QPD01007	381.00	2.00
QPD01007	382.00	39.00
QPD01007	383.00	49.00
QPD01007	384.00	16.00
QPD01007	385.00	172.00
QPD01007	386.00	451.00
QPD01007	387.00	4.00
QPD01007	388.00	2.00
QPD01007	389.00	0.00
QPD01007	390.00	0.00
QPD01007	391.00	0.00
QPD01007	392.00	0.00
QPD01007	393.00	33.00
QPD01007	394.00	413.00
QPD01007	395.00	10.00
QPD01007	396.00	1.00
QPD01007	397.00	140.00
QPD01007	398.00	60.00
QPD01007	399.00	380.00
QPD01007	400.00	145.00
QPD01007	401.00	12.00
QPD01007	402.00	28.00
QPD01007	403.00	320.00
QPD01007	404.00	612.00
QPD01007	405.00	79.00
QPD01007	406.00	16.00
QPD01007	407.00	30.00
QPD01007	408.00	50.00
QPD01007	409.00	150.00
QPD01007	410.00	230.00
QPD01007	411.00	12.00
QPD01007	412.00	12.00
QPD01007	413.00	180.00

QPD01007	414.00	114.00
QPD01007	415.00	100.00
QPD01007	416.00	40.00
QPD01007	417.00	120.00
QPD01007	418.00	119.00
QPD01007	419.00	30.00
QPD01007	420.00	360.00
QPD01007	421.00	10.00
QPD01007	422.00	360.00
QPD01007	423.00	10.00
QPD01007	424.00	3.00
QPD01007	425.00	0.00
QPD01007	426.00	0.00
QPD01007	427.00	37.00
QPD01007	428.00	198.00
QPD01007	429.00	76.00
QPD01007	430.00	110.00
QPD01007	431.00	71.00
QPD01007	432.00	110.00
QPD01007	433.00	6.00
QPD01007	434.00	2.00
QPD01007	435.00	275.00
QPD01007	436.00	290.00
QPD01007	437.00	290.00
QPD01007	438.00	0.00
QPD01007	439.00	0.00
QPD01007	440.00	0.00
QPD01007	441.00	1.00
QPD01007	442.00	200.00
QPD01007	443.00	1.00
QPD01007	444.00	0.00
QPD01007	445.00	0.00
QPD01007	446.00	87.00

<i>RQD</i>						
<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>WIDTH</i>	<i>RQD (m)</i>	<i>RQD (%)</i>	<i>NOTES</i>
QPD01007	2.00	3.00	0.00	0.00	1.00	
QPD01007	3.00	6.00	0.00	0.00	0.98	
QPD01007	6.00	9.00	0.00	0.00	0.94	
QPD01007	9.00	12.00	0.00	0.00	0.83	
QPD01007	12.00	15.00	0.00	0.00	0.93	
QPD01007	15.00	18.00	0.00	0.00	0.88	
QPD01007	18.00	21.00	0.00	0.00	0.77	
QPD01007	21.00	24.00	0.00	0.00	0.74	
QPD01007	24.00	27.00	0.00	0.00	0.92	
QPD01007	27.00	30.00	0.00	0.00	0.93	
QPD01007	30.00	33.00	0.00	0.00	0.93	
QPD01007	33.00	36.00	0.00	0.00	0.50	
QPD01007	36.00	39.00	0.00	0.00	0.82	
QPD01007	39.00	42.00	0.00	0.00	0.95	
QPD01007	42.00	45.00	0.00	0.00	0.91	
QPD01007	42.00	45.00	0.00	0.00	0.80	
QPD01007	45.00	48.00	0.00	0.00	0.85	
QPD01007	45.00	48.00	0.00	0.00	0.83	
QPD01007	48.00	51.00	0.00	0.00	0.62	
QPD01007	48.00	51.00	0.00	0.00	0.50	
QPD01007	51.00	54.00	0.00	0.00	0.86	
QPD01007	51.00	54.00	0.00	0.00	0.78	
QPD01007	54.00	55.00	0.00	0.00	1.00	
QPD01007	54.00	57.00	0.00	0.00	0.89	
QPD01007	57.00	60.00	0.00	0.00	0.47	
QPD01007	60.00	63.00	0.00	0.00	0.93	
QPD01007	63.00	66.00	0.00	0.00	0.86	
QPD01007	66.00	69.00	0.00	0.00	0.93	
QPD01007	69.00	72.00	0.00	0.00	0.64	
QPD01007	72.00	75.00	0.00	0.00	0.55	
QPD01007	75.00	78.00	0.00	0.00	0.97	
QPD01007	78.00	81.00	0.00	0.00	0.53	
QPD01007	81.00	84.00	0.00	0.00	0.30	
QPD01007	84.00	87.00	0.00	0.00	0.53	
QPD01007	87.00	90.00	0.00	0.00	0.37	
QPD01007	90.00	93.00	0.00	0.00	0.67	
QPD01007	93.00	96.00	0.00	0.00	0.97	
QPD01007	96.00	99.00	0.00	0.00	0.99	
QPD01007	99.00	102.00	0.00	0.00	0.98	

QPD01007	102.00	105.00	0.00	0.00	0.83
QPD01007	105.00	108.00	0.00	0.00	0.78
QPD01007	108.00	111.00	0.00	0.00	0.84
QPD01007	111.00	114.00	0.00	0.00	0.89
QPD01007	114.00	117.00	0.00	0.00	0.77
QPD01007	117.00	120.00	0.00	0.00	0.50
QPD01007	120.00	123.00	0.00	0.00	0.71
QPD01007	123.00	126.00	0.00	0.00	0.78
QPD01007	126.00	129.00	0.00	0.00	0.88
QPD01007	129.00	132.00	0.00	0.00	0.88
QPD01007	132.00	135.00	0.00	0.00	0.90
QPD01007	135.00	138.00	0.00	0.00	0.92
QPD01007	138.00	141.00	0.00	0.00	0.90
QPD01007	141.00	144.00	0.00	0.00	0.83
QPD01007	144.00	147.00	0.00	0.00	0.98
QPD01007	147.00	150.00	0.00	0.00	0.87
QPD01007	150.00	153.00	0.00	0.00	0.98
QPD01007	153.00	156.00	0.00	0.00	0.93
QPD01007	156.00	159.00	0.00	0.00	0.99
QPD01007	159.00	162.00	0.00	0.00	0.91
QPD01007	162.00	165.00	0.00	0.00	0.93
QPD01007	165.00	168.00	0.00	0.00	0.97
QPD01007	168.00	171.00	0.00	0.00	0.69
QPD01007	171.00	174.00	0.00	0.00	0.85
QPD01007	174.00	177.00	0.00	0.00	0.97
QPD01007	177.00	180.00	0.00	0.00	0.67
QPD01007	180.00	183.00	0.00	0.00	1.00
QPD01007	183.00	186.00	0.00	0.00	0.98
QPD01007	186.00	189.00	0.00	0.00	0.95
QPD01007	189.00	192.00	0.00	0.00	0.98
QPD01007	192.00	195.00	0.00	0.00	1.00
QPD01007	195.00	198.00	0.00	0.00	1.00
QPD01007	198.00	201.00	0.00	0.00	0.83
QPD01007	201.00	204.00	0.00	0.00	1.00
QPD01007	204.00	207.00	0.00	0.00	1.00
QPD01007	207.00	210.00	0.00	0.00	1.00
QPD01007	210.00	213.00	0.00	0.00	1.00
QPD01007	213.00	216.00	0.00	0.00	0.83
QPD01007	216.00	219.00	0.00	0.00	0.96
QPD01007	219.00	222.00	0.00	0.00	0.93
QPD01007	222.00	225.00	0.00	0.00	1.00

QPD01007	225.00	228.00	0.00	0.00	0.98
QPD01007	228.00	231.00	0.00	0.00	0.65
QPD01007	231.00	234.00	0.00	0.00	0.92
QPD01007	234.00	237.00	0.00	0.00	0.98
QPD01007	237.00	240.00	0.00	0.00	0.89
QPD01007	240.00	243.00	0.00	0.00	0.98
QPD01007	243.00	246.00	0.00	0.00	0.85
QPD01007	246.00	249.00	0.00	0.00	0.98
QPD01007	249.00	252.00	0.00	0.00	0.97
QPD01007	252.00	255.00	0.00	0.00	0.94
QPD01007	255.00	258.00	0.00	0.00	0.94
QPD01007	258.00	261.00	0.00	0.00	0.88
QPD01007	261.00	264.00	0.00	0.00	0.96
QPD01007	264.00	267.00	0.00	0.00	0.95
QPD01007	267.00	270.00	0.00	0.00	0.94
QPD01007	270.00	273.00	0.00	0.00	1.00
QPD01007	273.00	276.00	0.00	0.00	1.00
QPD01007	276.00	279.00	0.00	0.00	0.98
QPD01007	279.00	282.00	0.00	0.00	0.98
QPD01007	282.00	285.00	0.00	0.00	1.00
QPD01007	285.00	288.00	0.00	0.00	0.87
QPD01007	288.00	291.00	0.00	0.00	0.88
QPD01007	291.00	294.00	0.00	0.00	0.85
QPD01007	294.00	297.00	0.00	0.00	1.00
QPD01007	297.00	300.00	0.00	0.00	1.00
QPD01007	300.00	303.00	0.00	0.00	0.96
QPD01007	303.00	306.00	0.00	0.00	1.00
QPD01007	306.00	309.00	0.00	0.00	0.93
QPD01007	309.00	312.00	0.00	0.00	0.92
QPD01007	312.00	315.00	0.00	0.00	0.90
QPD01007	315.00	318.00	0.00	0.00	1.00
QPD01007	318.00	321.00	0.00	0.00	1.00
QPD01007	321.00	324.00	0.00	0.00	1.00
QPD01007	324.00	327.00	0.00	0.00	0.94
QPD01007	327.00	330.00	0.00	0.00	0.97
QPD01007	330.00	333.00	0.00	0.00	1.00
QPD01007	333.00	336.00	0.00	0.00	0.89
QPD01007	336.00	339.00	0.00	0.00	0.96
QPD01007	339.00	342.00	0.00	0.00	0.87
QPD01007	342.00	345.00	0.00	0.00	0.96
QPD01007	345.00	348.00	0.00	0.00	0.80

QPD01007	348.00	351.00	0.00	0.00	0.90
QPD01007	351.00	354.00	0.00	0.00	0.97
QPD01007	354.00	357.00	0.00	0.00	0.90
QPD01007	357.00	360.00	0.00	0.00	0.97
QPD01007	360.00	363.00	0.00	0.00	0.55
QPD01007	363.00	366.00	0.00	0.00	0.34
QPD01007	366.00	369.00	0.00	0.00	0.87
QPD01007	369.00	372.00	0.00	0.00	0.97
QPD01007	372.00	374.00	0.00	0.00	1.00
QPD01007	374.00	377.00	0.00	0.00	0.93
QPD01007	377.00	380.00	0.00	0.00	0.82
QPD01007	380.00	383.00	0.00	0.00	1.00
QPD01007	383.00	386.00	0.00	0.00	1.00
QPD01007	386.00	389.00	0.00	0.00	0.90
QPD01007	389.00	392.00	0.00	0.00	0.86
QPD01007	392.00	395.00	0.00	0.00	0.72
QPD01007	395.00	398.00	0.00	0.00	0.82
QPD01007	398.00	401.00	0.00	0.00	0.95
QPD01007	401.00	404.00	0.00	0.00	0.94
QPD01007	404.00	407.00	0.00	0.00	0.74
QPD01007	407.00	410.00	0.00	0.00	0.97
QPD01007	410.00	413.00	0.00	0.00	0.97
QPD01007	413.00	416.00	0.00	0.00	0.93
QPD01007	416.00	419.00	0.00	0.00	0.86
QPD01007	419.00	422.00	0.00	0.00	0.87
QPD01007	422.00	425.00	0.00	0.00	0.88
QPD01007	425.00	428.00	0.00	0.00	0.89
QPD01007	428.00	431.00	0.00	0.00	0.96
QPD01007	431.00	434.00	0.00	0.00	0.97
QPD01007	434.00	437.00	0.00	0.00	1.00
QPD01007	437.00	440.00	0.00	0.00	0.95
QPD01007	440.00	443.00	0.00	0.00	0.97
QPD01007	443.00	447.00	0.00	0.00	0.98

DRILL LOG QPD01008

ZONE:	PAPAVOINE	EASTING UTM:	650216.47	DDH STARTED:	6/30/01
SITE:	LAND	NORTHING UTM:	6330998.30	DDH FINISHED:	7/6/01
ORIENTATED:	Yes	ELEVATION (m):	315.94	GEOLOGIST 1:	L. FONTAINE-GEARY
GEOTECH:	Yes	BEARING:	90	GEOLOGIST 2:	GLEN BROWN
CASING (m):	1.80	DIP:	-80.00	LOG COMPLETED:	7/10/01
		LENGTH (m):	648.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

DDH QPD01008 was drilled to test an offhole EM conductor in DDH QPD01003. Paragneiss and granite were intersected until 101.77 m where the sill was encountered. The top of the sill consisted of olivine gabbro norite and gabbro norite until 191.45 m where troctolite was intersected. This unit of troctolite was encountered until 519.50 m where a raft of graphitic footwall paragneiss was intersected until 528.47 m. From the raft of paragneiss until the footwall contact at 589.78 m, the rock consisted of varying units of troctolite and olivine norite. The lower 10 m of the sill consisted of variably textured mafic rock as a result of partial digestion of footwall rock. Footwall rock consisted of paragneiss, graphitic paragneiss and granite.

Sulfide mineralization was restricted to six zones in this hole: 1. hangingwall contact zone, 2. silicification zone, 3. paragneiss raft zone, 4. sill base zone, 5. basal contact zone, 6. footwall zone.

1. Hangingwall Contact Zone: mineralization occurs directly below the strongly serpentized upper contact of the sill. Mineralization consists of 1 to 15% pyrrhotite and up to 3% chalcopyrite in olivine gabbro norite.
2. Silicification Zone: this 0.5 m wide zone at 483 m is defined by dissolution of the mafic rock (forming vugs) and the deposition of 5% pyrrhotite and lesser pyrite and chalcopyrite with associated silicification/carbonatization.
3. Paragneiss Raft Zone: this strongly hornfelsed zone at 519.5 to 528.47 m consists of rafted footwall rock within troctolite. The sulfides consist of 1 to 4% pyrrhotite and/or pentlandite and minor chalcopyrite.
4. Sill Base Zone: weak lower sill mineralization occurs from 576.77 to the footwall contact at 589.78 m. This variably textured zone is related to the partial digestion of footwall rock into the sill resulting in the precipitation of disseminated and blebby sulfides. Sulfides consist of .5% pyrrhotite, and trace chalcopyrite and pentlandite.
5. Basal Contact Zone: sulfides within this zone of semi-massive mineralization at 601.23 to 602.54 m consists of 18 to 55% pyrrhotite and minor pentlandite.
6. Footwall Zone: this zone of disseminated and blebby mineralization represents all sulfidization in the footwall rock from 589.78 m to 626.28 m except for that which occurs in the Basal Contact Zone. From 589.78 to 614.5, sulfides consisted of 1 to 5% pyrrhotite, 0.5 to 2% pentlandite, and minor chalcopyrite. Chalcopyrite was negligible after 602.54 m. Minor mineralization consisting dominantly of pyrrhotite with trace chalcopyrite occurred from 614.5 to 626.28 m.

DRILL LOG: QPD01008

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
0.00	1.80	UG		100				0											
1.80	59.80	aR^g		70	a2	Fn		30	s2	l2	a2	l	gy						
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>												
1.80	59.80	4	it			2	Variation to medium grained												
1.80	59.80	2	gn	ie		1	paragneiss												
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>							
1.80	9.10	f	35	su							1								
1.80	9.10	mb	15	ba	pt					bk	1								
1.80	9.10	q	50	su							1								
10.75	59.80	mb	15	fo							1								
10.75	59.80	f	35	su							1								
10.75	59.80	q	50	su							1								
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>										
8.84	9.73	spo	1.00	by					associated to quartz bands(veins?) and fractures										
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>					<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>						
2.30	3.00	fn							24	G									
7.00	8.20	fn							20	G									
8.84	9.73	sh		2					53	G			Presence of biotite alt, quartz veinlets and spo could reflect presence of a shear.						
11.10	16.40	fn							20	G									
16.40	19.10	fn							40	G									
46.10	46.50	fn							20	G									
53.00	70.00	fn							20	G									
SUB UNITS		<i>Rock Type</i>	<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Min 1</i>	<i>Att 1</i>	<i>Min 1</i>	<i>Att 2</i>	<i>Min 3</i>	<i>Att 3</i>	<i>Min 4</i>	<i>Att 4</i>	<i>Tone</i>	<i>Colour</i>	<i>Notes</i>			
8.84	10.75	aR^g	2	sc										m	br	35 to 65% of biotite, could be alteration			
30.70	31.10	Fn	4	ie		f	tw							l	pi	corse grained, 35% pink feld, 35% chl, 30 qtz, vein like, irr contacts			
39.25	40.80	Fg	4	ie										l	pi	locally very coarse grained			

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT							
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir				
43.32	44.92	Fg	4	ie															
47.10	50.10	Fg	4	ie															
59.80	80.90	Fg&-aR^g		50			aR^g		50			br	Shp	80	G				

Multiple zones of fine grained textured stratigraphy making up 50% of the interval (rock 2) interbedded with coarser grained foliated gneisses and associated granitic cross cutting selvages (rock 1) through to 101.77m but divided here at 80.90m. Specific intervals of rock2 tabulated as sub-units. Protolith likely to be fine grained sediment (pelite) now largely alteration overprinted within pssamite protolith interbeds. Alternatively the fine 'rock' is of mafic derivation. In part strongly magnetic, in part weakly foliated. 'Rock 1' is largely equivalent to 1.8 to 59.8m.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
62.85	64.90	4	eq	gn		1	
66.30	66.65	4	ag	gn		1	
69.50	74.50	4	ag	gn		1	
77.00	78.50	4	it	gn		1	
78.73	79.15	4	it	gn		1	
79.40	80.45	4	it	gn		1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
62.85	64.90	f	30	xn						wh	1	
62.85	64.90	q	30	xn					p	gn	1	
62.85	64.90	mb	10	an						bk	1	
62.85	64.90	c	30	xn						gn	1	
66.30	66.65	c	30	xn						gn	1	
66.30	66.65	q	30	xn						wh	1	
66.30	66.65	f	30	xn						gn	1	
66.30	66.65	mb	10	an						bk	1	
69.50	74.50	mb	10	an						bk	1	
69.50	74.50	c	30	xn						gn	1	
69.50	74.50	f	30	xn						gn	1	
69.50	74.50	q	30	xn						wh	1	
77.00	78.50	q	40	xn						clr	1	
77.00	78.50	f	40	xn						wh	1	
77.00	78.50	mb	20	fk						br	1	
78.73	79.15	q	40	xn						clr	1	
78.73	79.15	f	40	xn						wh	1	
78.73	79.15	mb	20	fk						br	1	

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT							
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
79.40	80.45	mb	10	fk																	
79.40	80.45	c	30	xn																	
79.40	80.45	q	30	xn																	
79.40	80.45	f	30	xn																	

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
59.80	62.85	fn		1	60	G			
66.65	69.50	fn		1	55	G			
69.50	74.50	fn		2	60	G			
77.00	78.50	fn		2	60	G			
78.73	79.15	fn		2	60	G			
79.40	80.45	fn		2	60	G			

SUB UNITS		Rock Type	Gr. Size	Txt 1	Txt 2	Min 1	Att 1	Min 1	Att 2	Min 3	Att 3	Min 4	Att 4	Tone	Colour	Notes
59.80	62.85	aR^g	2	eq		xx	ir	q	su	f	su	mb	su	m	br	this is 'rock 2'. Also trace dissem. sulphides
64.90	66.30	aR^g	2	eq		xx	ir	q	su	f	su	mb	su	m	br	
66.65	69.50	aR^g	2	eq		xx	ir	q	su	f	su	mb	su	m	br	
74.50	77.00	aR^g	2	eq		xx	ir	q	su	f	su	mb	su	m	br	
78.50	78.73	aR^g	2	eq		xx	ir	q	su	f	su	mb	su	m	br	
79.15	79.40	aR^g	2	eq		xx	ir	q	su	f	su	mb	su	m	br	
80.45	80.90	aR^g	2	eq		xx	ir	q	su	f	su	mb	su	m	br	

80.90 84.15 aR^g 100 0 Shp 60 M

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
80.90	84.15	3	gn			1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
80.90	84.15	mb	10	su						br	1	
80.90	84.15	f	20	su						wh	1	
80.90	84.15	q	30	su						clr	1	
80.90	84.15	xx	40	ir					p	br	1	

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
80.90	84.15	fn		1	55	G			

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
84.15	84.95	Fn		100				0						Shp	80	M			
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>												
84.15	84.95	4	it			1													
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>							
84.15	84.95	mb	30	fk						bk	1								
84.15	84.95	q	30	su						clr	1								
84.15	84.95	f	30	su				p		gn	1								
84.95	85.60	aR^g		60				aR^g		40				Shp	80	M			
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>												
84.95	85.60	3	it	gn		2													
84.95	85.60	3	eq			1													
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>							
84.95	85.60	mb	10	fk						br	2								
84.95	85.60	f	50	xn						wh	2								
84.95	85.60	q	40	xn						clr	2								
84.95	85.60	mb	10	su						br	1								
84.95	85.60	f	20	su						wh	1								
84.95	85.60	q	30	su						wh	1								
84.95	85.60	xx	40	ir				l		br	1								
85.60	91.10	aR^g		100		q		0						Shp	60	G			
TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>												
85.60	91.10	3	gn			1													
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>							
85.60	91.10	mb	15	fo							1								
85.60	91.10	f	25	xn							1								
85.60	91.10	q	60	xn							1								

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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85.60	91.10	fn		2	60	G			
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91.10	91.50	aR^g		100			0		Shp 60 M
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TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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91.10	91.50	3	it	gn		2	
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91.10	91.50	3	eq			1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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91.10	91.50	mb	10	fk						br	2	
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91.10	91.50	f	50	xn						wh	2	
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91.10	91.50	q	40	xn						clr	2	
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91.10	91.50	mb	10	su						br	1	
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91.10	91.50	f	20	su						wh	1	
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91.10	91.50	q	30	su						wh	1	
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91.10	91.50	xx	40	ir						br	1	
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91.50	101.77	aR^g		100			0		Shp 60 M
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Assimilation of mafic intrusive fluids from immediately below and country rock.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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91.50	101.77	3	ie			1	
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Fluid assimilation with underlying sill. Some textural destruction

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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91.50	101.77	xx	30	ir							1	
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91.50	101.77	f	10	ir							1	
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91.50	101.77	q	40	ir							1	
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91.50	101.77	mb	20	ir							1	
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ALTERATION MIN.		Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Notes
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91.50	101.77	mb	3	pt						br	trace sulphides
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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91.50	101.77	spo	0.10	ds					
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FROM	TO	ROCK 1						ROCK 2						COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

SUB UNITS		Rock Type	Gr. Size	Txt 1	Txt 2	Min 1	Att 1	Min 1	Att 2	Min 3	Att 3	Min 4	Att 4	Tone	Colour	Notes
98.85	100.10	Fn		lt		q		f								dissem su in pegmatitic unit

101.77	102.34	Mtr															Shp	45	G
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Interval is very serpentinised. Interpreted to be later alteration associated with later structural movement along contact with hornfels above. Note serp associated with thin chlorite veins elsewhere (ie later structural feature).

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
101.77	102.34	4				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
101.77	102.34	c	5	ir							1	
101.77	102.34	xi	5	pt							1	
101.77	102.34	p	20	su							1	
101.77	102.34	r	30	an							1	
101.77	102.34	fp	40	su							1	

ALTERATION MIN.		Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Notes
101.77	102.34	c	1	ir							
101.77	102.34	r	3	su							

102.34	107.76	y	Mgno														Gr	P
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Sulphide bearing (pyrrhotite, chalcocite) interval of an overall Mgno package from 102.34-191.45m. Sulphides are occurring commonly as blebs and occasionally as fine-grained trace disseminated. Sulphide abundances vary over the 10's cm scale.

Mineralogical abundances of mafic also vary over intervals, as well as grain-size.

Serp patches (cm-10's cm scale) associated with minor shearing and veining (serp, chlorite). Sulphides appear more blebby associated with serp patches.

A common light green mineral (texturally similar to the pink-red opx's) is logged as clinopyroxene, however it may be olivine. BUT near chlorite fractures serpentine (ex-olivine) is clearly present with lighter green mineral in contact with the sepr. Mineralogy is considered to be comprised mostly of plag, cpx, opx with lesser amounts of magnetite and serp (ex-olivine)

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
102.34	102.45	4				1	
102.45	102.65	3				1	
102.65	102.73	3				1	
102.73	102.84	3				1	
102.84	103.09	3				1	
103.09	103.25	3				1	
103.25	103.60	3				1	
103.60	103.70	4				1	

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

103.70	103.85	3																
103.85	104.05	4																
104.05	104.20	4																
104.20	104.42	4																
104.42	104.56	3																
104.56	104.74	5																
104.74	105.40	3																
105.40	107.76	5																

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
102.34	102.45	p	20	su							1	
102.34	102.45	r	12	an							1	
102.34	102.45	xi	10	an							1	
102.34	102.45	fp	55	su							1	
102.45	102.65	fp	60	su							1	
102.45	102.65	pc	15	su							1	
102.45	102.65	po	11	su							1	
102.45	102.65	r	8	an							1	
102.65	102.73	fp	61	su							1	
102.65	102.73	r	9	an							1	
102.65	102.73	pc	16	su							1	
102.65	102.73	po	12	su							1	
102.73	102.84	fp	60	su							1	
102.73	102.84	pc	15	su							1	
102.73	102.84	po	10	su							1	
102.73	102.84	r	5	an							1	
102.84	103.09	po	12	su							1	
102.84	103.09	r	9	an							1	
102.84	103.09	fp	61	su							1	
102.84	103.09	pc	16	su							1	
103.09	103.25	fp	57	su							1	
103.09	103.25	pc	12	su							1	
103.09	103.25	po	8	su							1	

FROM	TO	Ore	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
			Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip
103.09	103.25	r	5															
103.25	103.60	fp	61															
103.25	103.60	pc	16															
103.25	103.60	po	12															
103.25	103.60	r	9															
103.60	103.70	po	5															
103.60	103.70	fp	60															
103.60	103.70	r	18															
103.60	103.70	xi	5															
103.70	103.85	pc	16															
103.70	103.85	po	12															
103.70	103.85	r	9															
103.70	103.85	fp	61															
103.85	104.05	fp	60															
103.85	104.05	pc	13															
103.85	104.05	r	10															
103.85	104.05	po	5															
104.05	104.20	fp	65															
104.05	104.20	c	5															
104.05	104.20	r	14															
104.05	104.20	po	15															
104.20	104.42	r	5															
104.20	104.42	fp	70															
104.20	104.42	po	15															
104.20	104.42	pc	10															
104.42	104.56	r	5															
104.42	104.56	po	14															
104.42	104.56	fp	50															
104.42	104.56	pc	30															
104.56	104.74	fp	75															
104.56	104.74	po	10															
104.56	104.74	xi	8															

FROM	TO	ROCK 1					ROCK 2				COLOUR		UPPER CONTACT								
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
104.56	104.74	r	7	an					1												
104.74	105.40	fp	70	su					1												
104.74	105.40	po	15	su					1												
104.74	105.40	pc	10	su					1												
104.74	105.40	r	4	an					1												
105.40	107.76	r	4	an					1												
105.40	107.76	fp	70	su					1												
105.40	107.76	pc	15	su					1												
105.40	107.76	po	10	su					1												

<i>ALTERATION MIN.</i>		<i>Min</i>	<i>Inten</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Notes</i>
102.34	102.45	r	2	og							
102.45	103.60	r	1	og							
103.60	103.70	r	2	og							
103.70	103.85	r	1	og							
103.85	104.20	r	2	og							
104.20	107.76	r	1	og							

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>
102.34	102.45	spo	2.00	by					
102.34	102.45	scp	0.50	by					
102.45	102.65	spo	5.00	by					
102.45	102.65	scp	1.00	by					
102.65	102.73	spo	1.00	by					
102.65	102.73	scp	0.50	by					
102.73	102.84	scp	2.00	by					
102.73	102.84	spo	8.00	by					
102.84	103.09	scp	0.50	by					
102.84	103.09	spo	1.00	by					
103.09	103.25	scp	3.00	by					
103.09	103.25	spo	15.00	by					
103.25	103.60	spo	1.00	by					
103.25	103.60	scp	0.50	by					

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
103.60	103.70	spo	10.00	by											
103.60	103.70	scp	2.00	by											
103.70	103.85	spo	1.00	by											
103.70	103.85	scp	0.50	by											
103.85	104.05	scp	2.00	by											
103.85	104.05	spo	10.00	by											
104.05	104.20	scp	0.20	by											
104.05	104.20	spo	0.50	by											
104.42	104.56	spo	0.50	by											
104.42	104.56	scp	0.20	by											
104.74	105.40	scp	0.20	by											
104.74	105.40	spo	0.50	by											
105.40	107.76	scp	0.20	by											
105.40	107.76	spo	0.20	by											

107.76 131.70 Mgno 100 0 Gr 60 G

Variably textured (grain-size) mafic, with occasional intervals of fine-grained trace sulphides (<<1% pyrrhotite). Variable mineral proportions throughout. A soft very pale green mineral starts to appear from 120m. Its occurrence is characterised by mm scale round pits (mineral washes out easily) which become larger (up to 5mm) from 179.65m. It comprises only approx 1% of the rock when mm scale, and up to 5% when larger scale down-hole. It looks like talc, but it isn't (it isn't greasy, and does not float on water). It may be a clay of some sort. When occurring in larger 'pits' the mineral is whiter, and occasionally the 'pit' is rimmed by serpentine. Some kind of amygdal?? Core ori's not good as used metal drop. Mark commonly in middle of core, or scratched across.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
107.76	113.04	4	ie		1	rare verfy fg pyrrhotite
113.04	113.25	5	ie		1	
113.25	114.05	4	ie		1	occasional fg pyrrhotite blebs
114.05	114.25	3	ie		1	
114.25	115.40	4	ie		1	occasional fg pyrrhotite blebs
115.04	120.00	4	ie		1	
120.00	131.70	4	ie		1	slight variations in grain size

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
107.76	113.04	fp	65	su	tw			gy		1	
107.76	113.04	r	2	an				bk		1	
107.76	113.04	pc	25	su				gn		1	
107.76	113.04	po	10	su				pi		1	

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT								
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
113.04	113.25	pc	5	su			5.00	gn	1											
113.04	113.25	fp	65	su	tw			gy	1											
113.04	113.25	xm	15	an				bk	1											
113.04	113.25	r	10	an			4.00	bk	1											
113.04	113.25	po	5	su			5.00	pi	1											
113.25	114.05	r	5	an				bk	1											
113.25	114.05	po	5	su				pi	1											
113.25	114.05	fp	65	su	tw			gy	1											
113.25	114.05	pc	25	su				gn	1											
114.05	114.25	fp	60	su	tw			gy	1											
114.05	114.25	pc	30	su				gn	1											
114.05	114.25	r	2	an				bk	1											
114.05	114.25	o	5	su				gn	1											
114.05	114.25	po	3	su				pi	1											
114.25	115.40	pc	20	su				gn	1											
114.25	115.40	r	5	an			5.00	bk	1											
114.25	115.40	po	5	su			5.00	pi	1											
114.25	115.40	fp	70	su	tw			gy	1											
115.40	120.00	fp	65	su	tw			gy	1											
115.40	120.00	pc	23	su				gn	1											
115.40	120.00	po	8	su				pi	1											
115.40	120.00	r	2	an				bk	1											
120.00	131.70	fp	65	su	tw			gy	1											
120.00	131.70	pc	30	su				gn	1											olivine?
120.00	131.70	po	7	su				pi	1											
120.00	131.70	r	2	an				bk	1											
120.00	131.70	xx	1	in	pt		1.00	p	gn	1										not talc
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>						<i>Notes</i>						
113.04	113.25	spo	1.00	ds				1.00						interstitial to magnetite						
131.70	179.65	Mgn				100									0			Gr		1

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT					
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

Interval appears to barren of olivine (if green mineral correctly logged as cpx!). Varying grain size and mineralogy proportions. Sulphides mostly barren except for occasional intervals where <1% pyrrhotite.

Core orientations not good as used metal drop. Commonly mark in middle of core.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
131.70	145.83	4			1	trace fg pyrrhotite (<<1%)
145.83	150.70	5			1	
150.70	152.60	4			1	trace fg pyrrhotite (<1%)
152.60	165.00	5			1	trace fg pyrrhotite (<1%)
165.00	166.90	4			1	trace fg pyrrhotite (<1%)
166.90	179.65	5			1	trace fg pyrrhotite (<1%)

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
131.70	145.83	pc	25	su					gn	1	olivine?
131.70	145.83	po	14	su					pi	1	
131.70	145.83	xx	1	in	pt		1.00	p	gn	1	not talc
131.70	145.83	fp	60	su	tw				gy	1	
145.83	150.70	fp	55	su	tw				gy	1	
145.83	150.70	pc	30	su					gn	1	olivine?
145.83	150.70	po	12	su					pi	1	
145.83	150.70	xx	3	in	pt		1.00	p	gn	1	not talc; rare bronzite
150.70	152.60	fp	55	su	tw				gy	1	
150.70	152.60	pc	30	su					gn	1	olivine?
150.70	152.60	po	12	su					pi	1	
150.70	152.60	xx	2	in	pt			p	gn	1	
150.70	152.60	xx	1	su					bz	1	bronzite
152.60	165.00	po	15	su					pi	1	
152.60	165.00	pc	24	su					gn	1	olivine?
152.60	165.00	xx	3	in	pt		1.00	p	gn	1	not talc
152.60	165.00	xm	1	an					bk	1	
152.60	165.00	fp	55	su	tw				gy	1	
165.00	166.90	fp	55	su	tw				gy	1	
165.00	166.90	pc	30	su					gn	1	olivine?
165.00	166.90	po	10	su					pi	1	
165.00	166.90	xx	3	in	pt		1.00	p	gn	1	not talc

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT							
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
187.45	191.45	pc	15	su				gn	1												
187.45	191.45	fp	60	su	tw	zn		wh	1												

191.45 228.20 Mtr 100 0 Shp 80 M

uniform zone with plag's roughly aligning into a flow banding. Well preserved olivines and minor opx

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
191.45	228.20	4	cm	fw	1	alignment of plag defines flow banding approx 80deg to CA

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
191.45	228.20	r	1	an					bk	1	local replacement of olivines
191.45	228.20	xm	5	an					bk	1	typically edging olivines
191.45	228.20	xx	2	in	pt				wh	1	
191.45	228.20	po	5	su					pi	1	
191.45	228.20	o	32	an					gn	1	commonly anhedral; frequently sunhedral; glassy appearance, often partially/wholly replaced by serp and magnetite
191.45	228.20	fp	55	eu	tw	zn	4.00		gy	1	commonly grey and frequent white; defines flow banding

228.20 232.45 Mtr 100 0 Gr P

Interval characterised by zones of zoned plags, and these zones associated with more magnetite. Occasional fg pyrrhotite blebs associated with these zones also. Evidence of magma mixing? Huge opx crystals distinctive.

Possibly a different flow

Occasional carbonate? filled circular 'pits' (white, crystalline on pit wall). Similar to 'pits' described up-hole, but here appears to be a carbonate rather than some kind of ?clay.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
228.20	232.45	4			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
228.20	232.45	r	2	an			2.00		bk	1	alt of olivines
228.20	232.45	po	5	su			5.00		pi	1	
228.20	232.45	xm	8	an			2.00		bk	1	
228.20	232.45	o	30	an			3.00		gn	1	
228.20	232.45	fp	55	su	tw	zn	4.00		gy	1	plag's commonly zoned, grey cores and white rims. Less euhedral

232.45 233.15 Mtr 100 0 Gr P

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

Megacrystic zone (pegmatitic mafic) with coarse grey plag's rimmed by white plag, and coarse magnetites, olivines (with magnetite along crystal fractures) and opx. Slightly more opx.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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232.45	233.15	5				1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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232.45	233.15	xm	10	su						bk	1	
232.45	233.15	po	8	su						pi	1	
232.45	233.15	o	20	su						gn	1	
232.45	233.15	fp	62	su	tw	zn				gy	1	

233.15	235.35	Mtr				100							0			Gr	P
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Same as unit above megacrystic interval. No suls.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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233.15	235.35	4				1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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233.15	235.35	xm	5	an						bk	1	
233.15	235.35	po	5	su						pi	1	
233.15	235.35	o	35	an						gn	1	
233.15	235.35	fp	55	su	tw					gy	1	

235.35	236.65	Mtr				100							0			Gr	90	M
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Coarser grained troctolite. Slightly more opx. Very coarse opx and magnetite on lower contact. Same feature as seen in leuco-pegmatitic unit at 241.1-241.23m (significance??)

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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235.35	236.65	5				1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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235.35	236.65	xm	5	an				3.00		bk	1	
235.35	236.65	po	10	su				4.00		pi	1	
235.35	236.65	o	25	an				3.00		gn	1	
235.35	236.65	fp	60	su	tw			5.00		gy	1	

236.65	249.31	Mtr				100							0			Shp	80	M
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FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

Troctolite with smaller granularity to above unit. Thin (12cm) leucocratic interval (60deg CA) divides troctolite into coarse grained and medium grained intervals. Medium grained interval contains less opx. From 246.1m more opx, and rock coarser grained.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes											
236.65	241.10	4				1												
241.10	241.23	5				1												
241.23	246.10	3				1												
246.10	249.31	4				1												

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes					
236.65	241.10	xm	5	an				2.00		bk	1						
236.65	241.10	po	5	su				4.00		pi	1						
236.65	241.10	o	30	an				3.00		gn	1						
236.65	241.10	fp	60	su	tw			4.00		gy	1						
241.23	246.10	po	2	su				2.00		pi	1						
241.23	246.10	xm	5	an				2.00		bk	1						
241.23	246.10	o	33	an				2.00		gn	1	glassy					
241.23	246.10	fp	60	su	tw			3.00	l	gy	1						
246.10	249.31	xx	2	in	xn			1.00		wh	1	possibly carbonate; where clay up-hole now more crystalline. Pit define where washed out					
246.10	249.31	po	5	su				3.00		pi	1						
246.10	249.31	o	35	an				3.00		gn	1						
246.10	249.31	fp	58	su	tw			3.00		gy	1						

SUB UNITS		Rock Type	Gr. Size	Txt 1	Txt 2	Min 1	Att 1	Min 1	Att 2	Min 3	Att 3	Min 4	Att 4	Tone	Colour	Notes
241.10	241.23	M ^l igno	5	po		fp	zn	xm	lm	pc	lm	po	an		wh	pegmatitic unit. vcg opx & mag on bottom contact. 80% plag, mostly white with occassional remnant grey cores. Elongate lamellar gn cpx with opx core.

249.31 255.10 Mtr 100 0 Gr 90 M

Abundant magnetite, more opx (coarser). Zoned plag zones, these zones less abundant towards contacts. Unit same as that from 235.35-236.65. Rare fg suls (<<1%pyrrhotite, <<1%chalco). Sample interval from 252-254.16m is over most rich zone of zoned plag's.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes											
249.31	255.10	5				1												

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes					
249.31	255.10	r	2	an				2.00		bk	1	replacing olivines					

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
249.31	255.10	xm	10	an			4.00	bk	1												
249.31	255.10	po	15	su			5.00	pi	1												
249.31	255.10	o	18	an			4.00	gn	1												
249.31	255.10	fp	55	su	tw	zn	5.00		1												gy cores, wh-lgn rims

255.10 483.70 Mtr 100 0 Gr P

Broadly homogeneous troctolite with consistent grain size. Slight variations in mineralogical abundances. Plag's are more lath like, particularly from 323.7m. White ?carbonate mineral and associated pits where mineral washed out (1-3mm pits; vfg mineral) are characteristic. Grades out to <1% from 406.5m. Beyond 446m rare occurrences. Zones with fg bronze coloured biotite flecks. Distinct lack of magnetite over 255.1-291.45m, then start getting weakly magnetic ilmenite. Where more abundant mag also get slightly more opx and more plag (refer to mineralogy intervals for percentages). No sul.

From 419.7-451m occ. pegmatitic plag rich and/or opx rich cm's scale intervals with magnetite and olivine (sub-units record these).

Sampling is to the boundaries defining change in mineralogy abundance changes, to ascertain any obvious chemistry changes. Through pegmatitic zones only the thickest interval (449-449.4) is pulled out for separate sampling, the rest are lumped into composite samples.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
255.10	483.70	3			1	slightly coarser grained to 289.2m

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
255.10	257.73	o	38	an			3.00		gn	1	
255.10	257.73	po	2	su			3.00		pi	1	
255.10	257.73	xx	1	in	xn		1.00		wh	1	pits where mineral washed out.
255.10	257.73	xm	1	an			2.00		bk	1	
255.10	257.73	fp	58	su	tw		3.00		gy	1	
257.73	289.20	fp	58	su	tw		3.00		gy	1	
257.73	289.20	o	34	an			3.00		gn	1	
257.73	289.20	xx	5	in	xn		1.00		wh	1	assoc. pits
257.73	289.20	po	2	su			3.00		pi	1	
257.73	289.20	xm	1	an			2.00		bk	1	
289.20	291.45	o	30	an			3.00		gn	1	
289.20	291.45	xm	1	an			2.00		bk	1	
289.20	291.45	xx	10	in	xn		1.00		wh	1	pits larger (<=3mm)
289.20	291.45	fp	57	su	tw		3.00	l	gy	1	whiter
289.20	291.45	po	2	su			3.00		pi	1	
291.45	322.00	fp	57	su	tw		3.00		gy	1	
291.45	322.00	o	34	an			3.00		gn	1	

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT								
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
291.45	322.00	xx	5	in	xn			1.00		wh												
291.45	322.00	po	2	su				3.00		pi												
291.45	322.00	xi	2	an				2.00		bk												
322.00	323.70	xi	3	an				2.00		bk												
322.00	323.70	fp	55	su	tw			3.00		gy												
322.00	323.70	o	29	an				3.00		gn												
322.00	323.70	xx	10	in	xn			1.00		wh												
322.00	323.70	po	3	su				3.00		pi												
323.70	333.45	o	30	an				3.00		gn												
323.70	333.45	xx	5	in	xn			1.00		wh												
323.70	333.45	xi	4	an				2.00		bk												
323.70	333.45	po	2	su				3.00		pi												
323.70	333.45	fp	59	su	tw			3.00		gy												
333.45	344.90	fp	63	su	tw			3.00	l	gy												
333.45	344.90	o	22	an				3.00		gn												
333.45	344.90	xx	7	in	xn			1.00		wh												
333.45	344.90	xi	5	an				2.00		bk												
333.45	344.90	po	3	su				3.00		pi												
344.90	393.50	fp	56	su	tw			3.00	l	gy												
344.90	393.50	xi	2	an				2.00		bk												
344.90	393.50	po	2	su				2.00		pi												
344.90	393.50	o	35	an				3.00		gn												
344.90	393.50	xx	5	in	xn			1.00		wh												
393.50	406.50	fp	57	su				3.00		gy												
393.50	406.50	o	35	an				3.00		gn												
393.50	406.50	po	3	su				2.00		pi												
393.50	406.50	xx	3	in	xn			1.00		wh												
393.50	406.50	xi	2	an				2.00		bk												
406.50	483.70	xi	2	an				2.00		bk												
406.50	483.70	fp	61	su	tw			3.00		gy												
406.50	483.70	o	35	an				3.00		gn												
406.50	483.70	po	2	su				2.00		pi												

weakly magnetic

slight decrease in abundance towards lower contact

slight variations in fp abundance over interval

localised slight occasional increases in abundance (up to 5%)

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes												
419.70	419.80	spy	0.20	ds					cubic												
448.60	448.75	spy	0.20	ds					cubic												
449.00	449.40	spy	0.20	ds					cubic												

SUB UNITS		Rock Type	Gr. Size	Txt 1	Txt 2	Min 1	Att 1	Min 1	Att 2	Min 3	Att 3	Min 4	Att 4	Tone	Colour	Notes				
419.70	419.80	M^lgno	5			fp	su	po	su	o	an	xm	an			a leuco vcg plag (60%), vcg opx (20%), cg mag (10%) mg ol (10%)				
436.50	436.56	M^jgno	5			po	su	fp	su							vcg opx (80%), vcg plag (20%)				
448.60	448.75	M^lgno	5			fp	su	po	su	o	an	xm	an			a leuco vcg plag (75%), vcg opx (15%), mg ol (5%), cg mag (5%)				
449.00	449.40	M^lgno	5			fp	su	po	su	xm	an	o	an			a leuco vcg plag (65%), vcg opx (20%), mg mag (10%), mg ol (5%)				
450.70	451.00	M^lgno	5			fp	su	po	su	o	an	xm	an			a leuco vcg plag (65%), vcg opx (25%), mg ol (5%), mg mag (5%)				

483.70 484.19 y M 100 0 Irr I

Silicified (or carbonate??) unit with irregular contact with host troctolite (especially up-hole contact). Vugs (10% after olivine?) with vuggy white quartz and cubic/platy pyrite characterize interval (fault zone with hydrothermal signature). White ?carbonate (as seen up hole) also associated with vugs, particularly when not true vugs, but rather mg-cg rounded filled 'vugs'. Are the pits seen up-hole with assoc white mineral actually altered olivines???

Plag's no longer with crystal form. Frequent grey core remnants, however microcrystalline quartz (silicification; or carbonate??) forming matrix to plag, opx, ?cpx. Opx's well preserved. Green mineral preserved and looks like green mineral logged as olivine in troctolite. BUT is not altered, certainly not to serp and magnetite, so evidence for it being cpx (await Karsten's report to validate logging). Assay for gold.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes												
483.70	484.19	5	bd			1	breccia												

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes									
483.70	484.19	xx	2	xn				1.00		wh	1										
483.70	484.19	po	5	su				4.00		pi	1										
483.70	484.19	q	27	ms	xn			1.00	p	gy	1										
483.70	484.19	o	30	an				5.00		gn	1	?cpx									
483.70	484.19	fp	30	an	zn			5.00	d	gy	1										

ALTERATION MIN.		Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Notes										
483.70	484.19	q	2	xn							possible carbonate; hard, but not as hard as quartz (possible microcrystalline mix?)										

FROM	TO	ROCK 1							ROCK 2					COLOUR		UPPER CONTACT				
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2			%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>												
483.70	484.19	scp	0.20	ds					assoc. with spo												
483.70	484.19	spy	0.50	ds					assoc. with vugs												
483.70	484.19	spo	5.00	by																	

<i>STRUCTURE</i>		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>					<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>								
483.70	484.19	fx		2					P												

484.19 519.50 Mtr 100 0 Irr P

Slightly coarser grained unit to troctolite up-hole from breccia zone. Occasional brown-bronze coloured biotite (fg flecks). Slightly more opx from approx. 505m. Fragments of country rock appear at 517 m to the end of the unit.

<i>TEXTURES</i>		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>														
484.19	519.50	4				1															

<i>MINERALOGY</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
484.19	519.50	mb	0.2	lm				2.00		bz	1										
484.19	519.50	po	3	su				3.00		pi	1										
484.19	519.50	xi	5	an				3.00		bk	1	?magnetite (more magnetic to above occurrences of ilm)									
484.19	519.50	o	32	an				3.00		gn	1										
484.19	519.50	fp	62	su	tw			4.00	l	gy	1										

519.50 522.44 -aR^g-n 80 Mtr 20 d gy Shp G

strongly foliated unit of graphitic paragneiss partially digested by a troctolitic host. Unit essentially consists of finely laminated bands of graphite in a matrix of plagioclase-olivine-pyroxene, sulfides occur throughout unit - variable size (mean = 0.5 cm) however locally up to 2 cm, sulfides consists of pyrrhotite and pentlandite (??) - or alternatively magnetic and non magnetic pyrrolite (hexagonal and monoclinic) - both sulfides appear essentially the same although the one classified as non-magnetic pyrrhotite/pentlandite appears to have a better defined cleavage, very leucocratic zones locally, unit appears to be part of a raft of country rock

<i>TEXTURES</i>		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>	<i>Notes</i>														
519.50	522.44	3	gn			1	well foliated														

<i>MINERALOGY</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>									
519.50	519.87	lcg	3	ds				2.00	l	gy	1										
519.87	520.36	lcg	20	rn					l	gy	1										
520.36	522.44	lcg	5	rn	ds				l	gy	1										

<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>												
519.50	519.87	se	3.00	by				4.00	non magnetitic blebs similar to pyrrhotite in appearance but with good cleavage												

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

519.50	519.87	spo	2.00	by			4.00													sub rounded blebs of pyrrhotite
519.87	520.36	se	1.00	ds																
519.87	520.36	spo	1.00	ds																
520.36	522.44	se	3.00	by			4.00													
520.36	522.44	spo	3.00	by			4.00													

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
519.87	521.25	fn		3		G	-35	30	strong graphitic bands - used core orientation device, measurement at 520.16, pt at 525

522.44	524.92	Mtr	80	aR^g	20	l	gy	Gr	M
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unit of very diffuse, anhedral olivine grains in a matrix of plagioclase and elongate ribbony black fragments (possibly amphibolite) which provide a weak orientation to the unit, black fragments represent 7 percent of the unit and are representative of the country rock, at 522.68 to 522.92 unit is leucocratic and brecciated with large (2cm) grains of olivine, sulfides consists of magnetic and non magnetic pyrrhotite (hexagonal and monoclinic)/pentlandite (???) - both sulfides appear essentially the same although the one classified as non-magnetic pyrrhotite/pentlandite appears to have a better defined cleavage

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
522.44	524.92	lcg	4	ds				2.00	l	si	1	
522.44	524.92	fp	35	an	am			3.00	l	gy	1	
522.44	524.92	o	50	an	mo			3.00	l	gy	1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
522.44	522.92	spo	4.00	by				3.00	

524.92	526.56	M	50	Mno	50	d	bk	Gr	M
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Amphibolitic unit intruded by troctolite which has partially digested the host unit to form pegmatitic olivine norite veinlets within the amphibolite, pegmatitic veinlets contain large (cm scale) grains of pyroxene and olivine and angular fragments of amphibolite within a matrix of white plagioclase, the texture of the unit within the pegmatitic portions is similar to a breccia, pegmatitic portion contains vugs which host graphite and pyrite, graphite throughout unit occurs as thin ribbony stringers, olivine and pyroxene grains are locally altered to chlorite and serpentine, unit contains non magnetic variant of pyrrhotite

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
524.92	525.66	lcg	3	ds							1	
526.06	526.56	lcg	3	ds							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
524.92	525.66	spo	2.00	by				3.00	non magnetitic variant or is it pentlandite

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT							
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
526.06	526.56	bx		3		G			breccia formed by igneous rock intruding into country rock - frags of amphibolitelpo

SUB UNITS		Rock Type	Gr. Size	Txt 1	Txt 2	Min 1	Att 1	Min 1	Att 2	Min 3	Att 3	Min 4	Att 4	Tone	Colour	Notes
525.66	526.06	fnR		aa										k	gn	fn grain greyish green unit, non foliated, minor leuco zones

526.56 528.47 aR^g 70 M 30 l gy Shp G

unit of hornfeld paragneiss with mafic components, and a breccia zone similar to the previous unit with angular - ragged amphibolitic fragments, the sulfides in this unit appear to be dominantly pentlandite with minor chalcopyrite, large pegmatitic opx grains have been partially to fully pseudomorphed by chlorite/serpentine within the breccia, lower 60 cm of unit consists of hornfelded fn grained granitic rock,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
526.56	527.50	lcg	3	ds							1	
527.50	527.88	fp	30	tw	eu			5.00			1	
527.50	527.88	po	8	ab				5.00			1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
526.56	528.47	scp	0.10	ds					
526.56	528.47	se	2.50	ds					

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
527.50	527.88	bx		3		G			breccia zone consisting of large grains of olivine, opx and amphibole frags

528.47 565.40 Mtr 100 0 Shp M

fairly uniform medium grained unit of troctolite, the unit near the upper contact has partially assimilated country rock and the crystals look more stubby - less well defined, also some alteration of the pyroxenes to amphibole/chlorite and leaching of minerals to form vugs has occurred near the contact, the dominant variation within the unit revolves around composition as outlined in the mineralogy section - more opx occurs at the top and bottom of the unit, unit is pitted throughout - dissolution

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
528.80	563.70	3	eq			1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
528.47	529.80	fp	65	su				3.00			1	
528.47	529.80	po	10	an				3.00			1	
528.47	529.80	o	25	an				3.00			1	
529.80	551.14	mb	1	pt				3.00			1	
529.80	551.14	fp	60	su	tw			3.00			1	

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

529.80	551.14	xi	3	an				3.00		1												
529.80	551.14	po	6	an				3.00		1												
529.80	551.14	o	25	an				3.00		1												
551.14	565.40	fp	70	su	tw			3.00		wh	1											
551.14	565.40	o	20	an				3.00	p	ol	1											
551.14	565.40	po	8	an				4.00		br	1											

ALTERATION MIN. *Min* *Inten* *Att 1* *Att 2* *Att 3* *Att 4* *Gr.Size* *Tone* *Colour* *Notes*

528.47	528.72	c	2	og																		opx replaced by actinolite/chlorite
528.47	528.72	a	2	og																		opx replaced by actinolite/chlorite

SULPHIDES *Min* *%* *Att 1* *Att 2* *Att 3* *Att 4* *Gr. Size* *Notes*

551.14	565.40	spo	0.10	ds				1.00														
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565.40 579.00 Mno 100 0 Shp G

variably textured unit varying between medium to coarse grained olivine norite to local zones (cm to dm scale) which are more pegmatitic, unit becomes significantly darker in appearance from 570 m to 577.45 m - plagioclase becomes more labradoritic, trace pyrrhotite locally, pegmatitic portion consists of cm scale opx, plag, ilmenite, and elongate biotites (mm to cm scale) with lesser olivine proportionally than in finer grained component of unit, plagioclase grains have formed first with pyroxenes and ilmenite forming interstitially - occasionally the ilmenite forms elongate skeletal grains, sulfides (pyrrhotite-chalcopyrite) appear in significant concentrations (.5%) at 576.77 m, unit is gradational into troctolite at lower contact, unit is pitted/vuggy throughout

TEXTURES *Gr. Size* *Txt 1* *Txt 2* *Txt 3* *Rock No* *Notes*

565.40	565.53	5			1					
568.84	569.02	5			1					
569.56	570.25	5			1					
574.05	574.16	5			1					
575.34	575.54	5			1					
576.97	577.13	5			1					

MINERALOGY *Min* *%* *Att 1* *Att 2* *Att 3* *Att 4* *Gr.Size* *Tone* *Colour* *Rock No* *Notes*

565.40	579.00	mb	1	bl				2.00		1	
565.40	579.00	xi	3	an	sk			3.00		1	
565.40	579.00	fp	62	su	lh	tw		4.00		1	
565.40	579.00	o	18	su				3.00		1	
565.40	579.00	po	15	bk				4.00		1	

SULPHIDES *Min* *%* *Att 1* *Att 2* *Att 3* *Att 4* *Gr. Size* *Notes*

576.77	579.00	scp	0.10	ds								generally attached to spo blebs
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FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT								
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
576.77	579.00	spo	0.50	by	ds			3.00														

579.00 582.18 Mtr 100 0 l gy Gr l

this unit is marked by an increase in olivine at the expense of opx and a more consistent coarse grain size, the grain boundaries become more diffuse towards the lower contact, pitted texture throughout

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No							Notes
579.00	582.18	4	sg			1							
MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes	
579.00	582.18	xm	0.5	an							1	concentrated near sulfides	
579.00	582.18	fp	55	bl	lh	su					1		
579.00	582.18	po	5	an							1		
579.00	582.18	o	35	an				4.00	k	ol	1		
SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size					Notes
579.00	582.18	scp	0.10	ds								composite blebs with spo/se	
579.00	582.18	se	0.10	ds								some blebs occur individually whereas others are composites with scp and spo	
579.00	582.18	spo	0.50	by									

582.18 585.00 Mno 100 0 l gy Gr l

variably textured unit of leuco olivine norite, grain size dominantly medium grain but locally pegmatitic and fn grain, significant biotite throughout likely related to assimilation of footwall rock, extreme dissolution of fn grained component at 584.28 m to 584.65 m with 5 mm biotite flakes within vugs

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No							Notes
584.28	584.65	4	vg			1							
MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes	
582.18	585.00	xi	3	an				3.00			1		
582.18	585.00	mb	4	fk				2.00			1		
582.18	585.00	fp	65	su				3.00			1		
582.18	585.00	po	12	an				3.00			1		
582.18	585.00	o	15	an				3.00			1		
SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size					Notes
582.18	585.00	scp	0.10	ds				1.00					

FROM	TO	ROCK 1					ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

582.18	585.00	se	0.10	ds			1.00												
582.18	585.00	spo	0.40	by			3.00												

585.00	589.78	Mtr					100													0			Gr	I
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variably textured unit resulting from the partial digestion of country rock as evidenced by foliated 'fragments' within the unit and the abundant biotite with lesser graphite, olivines and opx grains are more stubby in appearance with locally less well defined grain boundaries, variable grain size from medium to very coarse, unit is locally quite vuggy

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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588.05	588.25	4	vg			1	
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MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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585.00	589.78	xi	3	ds				2.00			1	
585.00	589.78	fp	55	su	lh			4.00			1	
585.00	589.78	mb	5	fk				2.00			1	
585.00	589.78	po	6	an				3.00			1	
585.00	589.78	o	30	an	mo			4.00			1	
588.05	588.25	lcg	5	rn							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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585.00	589.78	se	0.10	ds				1.00	
585.00	589.78	scp	0.10	ds				1.00	
585.00	589.78	spo	0.60	by	ds	mz		3.00	

589.78	591.00	-aR^g-n					85																		d	bk	Shp	G
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strongly graphitic unit of finely laminated paragneiss with lesser pulses of modified mafic igneous rock, sulfides throughout unit, foliation within unit is variable and folded, between stringy graphite lamellae occurs dark green, fine grained hard units - possibly amphibolite,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
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589.78	591.00	lcg	18	rb							1	
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SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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589.78	591.00	se	2.00	by	ds			3.00	
589.78	591.00	spo	1.00	by	ds			3.00	

591.00	601.23	fnR					70	x2																			Shp	M
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FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

unit of intensely cooked up paragneiss containing squibs of altered pyroxene/olivine mafic rock, difficult to discern contacts due to the intense contact metamorphism, intensely silicified/albitized fragments (.5 to 4 cm) within unit, much of unit is strongly brecciated with angular and lozenge shaped clasts more or less oriented perpendicular to core axis, serpentine replacement of pyroxenes occur adjacent to narrow fractures, pentlandite occurs as grain composites with pyrrhotite and chalcopyrite in addition to occurrences individually, unit becomes weakly graphitic towards lower contact, magnetite intimately associated with sulfides,

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
591.00	592.00	spo	0.10	ds				2.00	
591.00	592.00	scp	0.10	ds					
591.00	592.00	se	1.00	by	ds			3.00	
592.00	592.80	se	1.50	by	ds			4.00	
592.00	592.80	spo	1.50	by	ds			4.00	
592.00	592.80	scp	0.10	ds					
592.80	593.56	scp	0.10	ds				2.00	
592.80	593.56	spo	1.50	by	ds			4.00	
592.80	593.56	se	0.80	ds	by			3.00	composite grains with spo
593.56	594.30	scp	0.10	ds					
593.56	594.30	spo	5.00	by				4.00	
593.56	594.30	se	0.50	ds				2.00	
594.30	595.24	spo	1.50	by				4.00	
594.30	595.24	se	0.20	ds				2.00	
594.30	595.24	scp	0.10	ds					
595.24	595.88	scp	0.10	ds					
595.24	595.88	spo	2.00	by				4.00	
595.24	595.88	se	0.50	ds	by			3.00	
595.88	596.10	spo	0.50	ds				3.00	
596.10	597.13	spo	6.00	by				4.00	
596.10	597.13	se	1.00	ds	by			2.00	
596.10	597.13	scp	0.40	ds	by			3.00	
597.13	598.05	spo	4.00	by				4.00	
597.13	598.05	se	0.50	ds				2.00	
597.13	598.05	scp	0.10	ds					
598.05	599.06	se	0.50	ds	by			3.00	
598.05	599.06	scp	0.30	ds	by				

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT							
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
598.05	599.06	spo	5.00	by	ds					4.00											
599.06	600.00	se	1.00	ds	by					3.00											
599.06	600.00	scp	0.30	by	ds					2.00											
599.06	600.00	spo	5.00	by	ds					5.00											
600.00	600.63	spo	5.00	by	ds					4.00											
600.00	600.63	se	0.50	ds						2.00											
600.00	600.63	scp	0.30	ds																	
600.63	601.23	scp	0.20	ds																	
600.63	601.23	spo	5.00	by	ds					4.00											
600.63	601.23	se	0.50	ds																	

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
592.10	593.28	bx		3		P			
593.56	593.77	bx		3		P			
595.24	595.88	bx		2		P			
596.50	601.23	bx		2		P			

SUB UNITS		Rock Type	Gr. Size	Txt 1	Txt 2	Min 1	Att 1	Min 1	Att 2	Min 3	Att 3	Min 4	Att 4	Tone	Colour	Notes
595.87	596.10	Fg		eq										l	pi	
601.23	602.54	y	\$yc-p			50				fnR		50			Gr	M

unit of semi massive to locally massive pyrrhotite within intensely silicified, albitized and chloritized paragneissic (?) hornfels, all original textures within the host rock for the sulfides has been overprinted by the said alteration, zones of massive sulfide contain angular fragments of the host rock, weak foliation developed locally by remnant paragneiss replaced by chlorite, only trace pentlandite observed within this unit, upper contact defined by increased silicification with previous unit and higher component of sulfides,

ALTERATION MIN.		Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Notes
601.23	602.54	fal	3	og							pervasive
601.23	602.54	c	3	og							ribbony bands
601.23	602.54	q	3	og							pervasive

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
601.23	601.63	se	0.30	ds				1.00	
601.23	601.63	spo	18.00	rx	ds				
601.63	602.54	se	0.50	ds				1.00	
601.63	602.54	spo	55.00	ms					

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
602.20	602.40	fn		2		G	-48	212	
602.54	603.00	Fg			100			0	p cr Shp G -60 184

highly altered unit of granite - albitized and silicified, patchy mottled appearance, upper contact has greenish discoloration and more silicified, irregular pyrrhotite blebs throughout. Upper contact is marked by a 2cm massive spo layer within the graphitic shale however this is at an angle to the foliation in the shale, and mimics the orientation of the the granite contact proper.

ALTERATION MIN.		Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone Colour	Notes
602.54	603.00	fal	3	og						
602.54	603.00	q	3	og						

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
602.54	603.00	scp	0.80	by				3.00	
602.54	603.00	se	0.10	ds					
602.54	603.00	spo	1.50	by	ds			3.00	

603.00	615.00	-aR^g-n			100			0	m bk Shp M
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well foliated unit of graphitic paragneiss. graphite occurs as ribbon strands which define the foliation, graphite abundance decreases downhole, other components of paragneiss include biotite, feldspar and quartz, narrow units of creamy white granite occur locally throughout unit, sulfides are irregular and elongate along foliation,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone Colour	Rock No	Notes
603.00	604.03	lcg	20	rn						1	
604.19	604.41	lcg	20	rn						1	
604.53	604.75	lcg	50	rn	ms					1	
604.83	606.65	lcg	15	rn						1	
606.65	607.17	lcg	22	rn						1	
607.44	609.74	lcg	10	rn						1	
609.74	611.56	lcg	8	rn						1	
611.76	612.38	lcg	8	rn						1	
612.53	615.00	lcg	5	rn						1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
603.00	604.03	spo	1.00	ds	rn				elongate along foliation
604.19	604.41	spo	2.00	ds	rn				elongate along foliation
604.41	604.83	spo	0.50	ds					

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT							
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
604.83	605.80	spo	1.50	ds																	elongate along foliation
604.83	605.80	se	0.10	ds																	
605.80	606.27	spo	2.50	ds	by																irregular blebs along foliation
605.80	606.27	se	0.50	ds																	
606.27	607.17	spo	5.00	ds	rn																
606.27	607.17	se	1.00	ds																	
607.17	607.44	spo	1.00	ds	rn																
607.44	607.74	spo	5.00	ds	rn																2.00
607.44	607.74	se	2.00	ds	rn																1.00
607.74	608.21	se	1.00	ds	ds																
608.21	608.78	spo	0.30	ds																	
608.21	608.78	se	2.00	ds	by																2.00
608.78	609.69	spo	1.00	ds																	
608.78	609.69	se	4.00	ds	rn																elongate along foliation - may be non magnetic pentlandite
609.69	610.69	se	4.00	ds																	1.00
610.69	611.56	se	4.00	ds																	1.00
611.56	611.76	spo	0.20	ds																	2.00
611.76	612.53	se	2.00	ds																	2.00
611.76	612.53	spo	1.00	ds																	
612.53	613.50	spo	1.00	ds																	1.00
612.53	613.50	se	1.00	ds																	1.00
613.50	614.00	spo	2.00	ds																	
614.00	614.50	spo	1.00	ds																	
614.50	615.00	spo	0.30	ds																	
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>		<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>											
613.50	614.50	fn		2			G	-24	34												
SUB UNITS		<i>Rock Type</i>	<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Min 1</i>	<i>Att 1</i>	<i>Min 1</i>	<i>Att 2</i>	<i>Min 3</i>	<i>Att 3</i>	<i>Min 4</i>	<i>Att 4</i>	<i>Tone</i>	<i>Colour</i>	<i>Notes</i>					
604.03	604.19	Fg		ag		q		f						l	cr						
604.41	604.53	Fg		ag		q		f						l	wh						
604.75	604.83	Fg		ag		q		f		c				p	wh						
607.17	607.44	Fg		ag		q		f		mb				l	wh	4 cm wide inclusion of graphitic paragneiss					

FROM	TO	ROCK 1					ROCK 2				COLOUR		UPPER CONTACT				
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

611.56	611.76	Fg	ag	q	f	mb					l	wh							
612.38	612.53	Fg	ag	q	f	mb					l	wh	4 cm wide inclusion of graphitic paragneiss						
615.00	616.74	Fg		100						0		l	cr	Shp					M

medium to coarse grained granitic unit, white to pale creamy colour, locally graphic granite - mermekitic textures, granite may be composite of two granites - the mermekitic zones appear to be rafts within a more granular - chaotic looking granite - some of the q grains appear to have been brecciated,

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
615.00	615.66	scp	0.10	ds					
615.00	615.66	spo	0.20	by					

616.74	617.64	-aR^g-n		100					0				Fa						M
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well foliated unit of weakly graphitic paragneiss, dominant mineralogy is amphibole-feldspar-quartz-biotite, the more mafic (amphibole-biotite-graphite) portions of the unit form the foliation and wrap around the more felsic portions,

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
616.74	617.64	lcg	4	m							1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
616.74	617.64	spo	1.50	ds					fn grained spo occurs along foliation

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
616.74	617.64	fn		2		G	-50	50	

617.64	619.66	Fg		100					0				Shp						G
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dominantly a medium grained pale creamy quartz-feldspar-biotite granite (similar to previous) with 2 more pegmatitic sections, minor mermekitic textures within pegmatitic portions,

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
617.64	618.05	5				1	
618.05	619.30	3				1	
619.30	619.66	5				1	

619.66	625.84	aR^g		100	-b	-g			0				Shp						M
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strong foliation provided by biotite, purplish garnets throughout, locally leucocratic,

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
619.66	625.84	3	gn			1	

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT			
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir	

<i>MINERALOGY</i>												<i>Notes</i>	
<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>				
619.66	625.84	lcg	2	fk					1				
619.66	625.84	mb	25	fk					1				
619.66	625.84	g	8	rb					1				
619.66	625.84	f	35	an					1				
619.66	625.84	q	30	an					1				

<i>STRUCTURE</i>												<i>Notes</i>	
<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>			<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>					
619.66	621.00	fn	2			G	-58	46	wavy foliation, around Q-plag and Gt augen				
621.00	622.00	fn	2			G	-62	54					
623.00	623.50	fn	2			G	-84	234	crenulated fabric				
623.50	624.50	fn	2			G	-80	245	crenulated fabric				

625.84 626.28 Fg 100 0 l wh Shp G

chaotic texture of fragmented plagioclase and quartz crystals, pegmatitic, minor muscovite and pyrrhotite, pyrite occurs along fractures,

<i>TEXTURES</i>							<i>Notes</i>	
<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>				
625.84	626.28	4	bd	1				

<i>MINERALOGY</i>												<i>Notes</i>	
<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>				
625.84	626.28	mu	1	fk					1				
625.84	626.28	c	1	an					1				
625.84	626.28	f	50	bk		4.00			1				
625.84	626.28	q	45	bk		4.00	wh		1				

<i>SULPHIDES</i>												<i>Notes</i>	
<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>							
625.84	626.28	spo	0.50	an									

626.28 648.00 aR^g 95 -b -g Fg 5 Shp M

typical biotite - garnet paragneiss with minor zones which are more granitic in appearance, weak graphite throughout, granitic gneiss locally throughout,

<i>TEXTURES</i>							<i>Notes</i>	
<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>				
626.28	648.00	3	gn	1				

<i>MINERALOGY</i>												<i>Notes</i>	
<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>				
626.28	648.00	lcg	1	fk	ds				1				

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT								
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA	Qual	Dip	Dip/Dir
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>				<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>				<i>Notes</i>							
626.50	627.50	fn		2				G		-55	45											
633.00	635.00	fn		2				G		-50	50				gneissis; wavy							
635.00	637.00	fn		3				G		-53	50				gneissic							
637.00	639.00	fn		1				G		-53	52				local Q-fld melt with weak gneissic fol.							
639.00	641.00	fn		3				G		-56	50				gneissic							
641.00	643.00	fn		2				G		-58	45				schistose							
SUB UNITS		<i>Rock Type</i>	<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Min 1</i>	<i>Att 1</i>	<i>Min 1</i>	<i>Att 2</i>	<i>Min 3</i>	<i>Att 3</i>	<i>Min 4</i>	<i>Att 4</i>	<i>Tone</i>	<i>Colour</i>	<i>Notes</i>						
634.87	635.20	Fg		eq		q		f		c		mb			wh							
637.30	637.94	R^gqfj		gn		q		f		c		mb			wh	similar to granite but with some foliation						

Assay Results for: QPD01008

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ01101	8.82	9.72			DSPLT	26.00	6.00	1.00	7.00	93.00	9.90	168.00
CQ01102	9.72	10.75			DSPLT	16.00	-2.00	3.00	-5.00	304.00	1.10	79.00
CQ01103	91.50	93.00			DSPLT	9.00	21.00	2.00	-5.00	175.00	1.70	101.00
CQ01104	93.00	94.00			DSPLT	9.00	23.00	4.00	-5.00	155.00	1.20	110.00
CQ01105	94.00	95.00			DSPLT	11.00	16.00	7.00	-5.00	204.00	1.20	87.00
CQ01106	95.00	96.00			DSPLT	13.00	3.00	5.00	-5.00	209.00	1.30	82.00
CQ01107	96.00	97.00			DSPLT	12.00	12.00	4.00	-5.00	213.00	1.00	218.00
CQ01108	97.00	98.00			DSPLT	16.00	7.00	7.00	-5.00	258.00	1.50	102.00
CQ01109	98.00	98.85			DSPLT	13.00	12.00	9.00	-5.00	202.00	1.30	90.00
CQ01110	98.85	100.40			DSPLT	-5.00	13.00	6.00	-5.00	375.00	1.00	114.00
CQ01111	100.40	101.77			DSPLT	13.00	7.00	22.00	-5.00	344.00	1.20	151.00
CQ01112	101.77	102.34			DSPLT	18.00	-2.00	6.00	-5.00	171.00	1.00	95.00
CQ01113	102.34	103.25			DSPLT	-5.00	-2.00	9.00	-5.00	96.00	1.50	180.00
CQ01114	103.25	103.60			DSPLT	-5.00	-2.00	2.00	-5.00	67.00	1.40	48.00
CQ01115	103.60	103.70			DSPLT	-5.00	4.00	26.00	-5.00	91.00	1.80	53.00
CQ01116	103.70	103.85			DSPLT	-5.00	4.00	2.00	-5.00	96.00	1.30	118.00
CQ01117	103.85	104.05			DSPLT	-5.00	14.00	31.00	-5.00	71.00	1.90	74.00
CQ01118	104.05	104.20			DSPLT	-5.00	-2.00	6.00	-5.00	83.00	1.70	68.00
CQ01119	128.00	130.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	90.00	1.20	39.00
CQ01120	104.20	104.42			DSPLT	6.00	-2.00	1.00	-5.00	96.00	5.30	61.00
CQ01121	104.20	104.42	SD	CQ01120	DSPLT	-5.00	-2.00	-1.00	-5.00	74.00	1.10	175.00
CQ01122	104.20	104.42	R	CQ01120	DSPLT	-5.00	-2.00	2.00	-5.00	82.00	1.40	109.00
CQ01123	104.42	104.56			DSPLT	-5.00	-2.00	12.00	-5.00	91.00	1.30	328.00
CQ01124	104.56	104.74			DSPLT	7.00	-2.00	1.00	-5.00	44.00	1.20	455.00
CQ01125	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	183.00	-5.00	232.00	-1.00	132.00
CQ01126	104.74	105.40			DSPLT	-5.00	-2.00	4.00	-5.00	71.00	1.50	54.00
CQ01127	105.40	106.50			DSPLT	-5.00	-2.00	3.00	-5.00	55.00	1.20	207.00
CQ01128	106.50	107.76			DSPLT	-5.00	-2.00	2.00	-5.00	88.00	1.50	143.00
CQ01129	107.76	109.00			DSPLT	-5.00	-2.00	4.00	-5.00	62.00	2.00	85.00
CQ01130	109.00	110.00			DSPLT	-5.00	-2.00	2.00	-5.00	62.00	1.30	69.00
CQ01131	110.00	111.00			DSPLT	-5.00	4.00	2.00	-5.00	62.00	1.50	61.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01132	111.00	112.00			DSPLT	-5.00	-2.00	-1.00	-5.00	69.00	1.70	40.00
CQ01133	112.00	113.04			DSPLT	-5.00	-2.00	2.00	6.00	71.00	1.60	48.00
CQ01134	113.04	113.25			DSPLT	12.00	-2.00	2.00	-5.00	11.00	-1.00	141.00
CQ01135	113.25	114.05			DSPLT	-5.00	-2.00	3.00	-5.00	85.00	1.70	48.00
CQ01136	114.05	114.25			DSPLT	-5.00	-2.00	1.00	-5.00	97.00	1.30	40.00
CQ01137	114.25	115.40			DSPLT	-5.00	9.00	3.00	11.00	76.00	8.90	48.00
CQ01138	115.40	116.00			DSPLT	-5.00	-2.00	-1.00	-5.00	130.00	1.80	47.00
CQ01139	130.00	131.70			DSPLT	-5.00	-2.00	1.00	-5.00	57.00	1.10	36.00
CQ01140	116.00	117.00			DSPLT	-5.00	-2.00	-1.00	-5.00	85.00	1.10	39.00
CQ01141	116.00	117.00	SD	CQ01140	DSPLT	-5.00	-2.00	1.00	-5.00	84.00	1.00	40.00
CQ01142	116.00	117.00	R	CQ01140	DSPLT	-5.00	-2.00	-1.00	-5.00	99.00	1.30	38.00
CQ01143	117.00	118.00			DSPLT	-5.00	-2.00	1.00	-5.00	69.00	1.00	33.00
CQ01144	118.00	119.00			DSPLT	-5.00	2.00	2.00	-5.00	68.00	1.30	33.00
CQ01145	119.00	120.00			DSPLT	-5.00	-2.00	2.00	-5.00	77.00	1.30	35.00
CQ01146	120.00	122.00			COMPOSITE	-5.00	2.00	-1.00	-5.00	106.00	1.10	36.00
CQ01147	122.00	124.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	86.00	1.40	36.00
CQ01148	124.00	126.00			COMPOSITE	-5.00	-2.00	14.00	-5.00	84.00	1.20	36.00
CQ01149	126.00	128.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	60.00	1.20	35.00
CQ01150	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	177.00	-5.00	204.00	-1.00	59.00
CQ01151	131.70	133.00			COMPOSITE	-5.00	-2.00	-1.00	6.00	74.00	1.30	42.00
CQ01152	133.00	135.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	62.00	1.10	39.00
CQ01153	135.00	137.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	67.00	1.30	44.00
CQ01154	137.00	139.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	89.00	-1.00	45.00
CQ01155	139.00	141.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	83.00	1.10	46.00
CQ01156	141.00	143.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	71.00	3.80	42.00
CQ01157	143.00	144.00			DSPLT	-5.00	-2.00	-1.00	7.00	71.00	2.50	52.00
CQ01158	144.00	145.83			COMPOSITE	-5.00	-2.00	1.00	-5.00	74.00	1.10	49.00
CQ01159	145.83	147.00			DSPLT	-5.00	-2.00	2.00	-5.00	62.00	-1.00	57.00
CQ01160	147.00	149.00			COMPOSITE	-5.00	4.00	2.00	-5.00	70.00	1.00	45.00
CQ01161	147.00	149.00	SD	CQ01160	COMPOSITE	-5.00	-2.00	2.00	-5.00	68.00	-1.00	49.00
CQ01162	147.00	149.00	R	CQ01160	COMPOSITE	-5.00	3.00	2.00	-5.00	68.00	1.10	46.00
CQ01163	149.00	150.70			COMPOSITE	-5.00	-2.00	2.00	-5.00	84.00	-1.00	44.00
CQ01164	150.70	152.60			COMPOSITE	-5.00	-2.00	2.00	-5.00	86.00	-1.00	47.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ01165	152.60	154.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	58.00	1.10	51.00
CQ01166	154.00	156.00			COMPOSITE	-5.00	4.00	2.00	-5.00	61.00	1.30	50.00
CQ01167	156.00	159.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	90.00	1.10	48.00
CQ01168	159.00	162.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	74.00	1.40	54.00
CQ01169	162.00	165.00			COMPOSITE	-5.00	-2.00	2.00	6.00	79.00	-1.00	55.00
CQ01170	165.00	166.90			COMPOSITE	-5.00	-2.00	-1.00	-5.00	80.00	1.60	54.00
CQ01171	166.90	169.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	86.00	1.30	59.00
CQ01172	169.00	172.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	84.00	-1.00	58.00
CQ01173	172.00	175.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	128.00	2.20	63.00
CQ01174	175.00	178.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	123.00	1.80	59.00
CQ01175	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	178.00	-5.00	269.00	-1.00	64.00
CQ01176	178.00	179.65			COMPOSITE	-5.00	-2.00	1.00	-5.00	201.00	1.70	76.00
CQ01177	179.65	182.00			COMPOSITE	5.00	-2.00	1.00	-5.00	103.00	1.60	68.00
CQ01178	182.00	185.00			COMPOSITE	6.00	-2.00	2.00	-5.00	136.00	1.70	68.00
CQ01179	185.00	187.45			COMPOSITE	7.00	-2.00	1.00	-5.00	111.00	1.30	70.00
CQ01180	187.45	190.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	146.00	1.70	59.00
CQ01181	187.45	190.00	SD	CQ01180	COMPOSITE	5.00	-2.00	1.00	-5.00	136.00	1.80	59.00
CQ01182	187.45	190.00	R	CQ01180	COMPOSITE	-5.00	-2.00	-1.00	-5.00	154.00	2.00	55.00
CQ01183	190.00	191.45			COMPOSITE	-5.00	-2.00	-1.00	-5.00	132.00	1.60	40.00
CQ01184	191.45	194.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	129.00	1.60	59.00
CQ01185	194.00	197.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	96.00	1.10	57.00
CQ01186	197.00	200.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	144.00	2.20	55.00
CQ01187	200.00	203.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	110.00	1.80	52.00
CQ01188	203.00	206.00			COMPOSITE	6.00	5.00	2.00	-5.00	122.00	1.70	73.00
CQ01189	206.00	209.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	117.00	1.40	58.00
CQ01190	209.00	212.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	112.00	1.30	55.00
CQ01191	212.00	215.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	102.00	1.60	99.00
CQ01192	215.00	218.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	129.00	3.00	54.00
CQ01193	218.00	221.00			COMPOSITE	5.00	-2.00	1.00	5.00	122.00	1.80	51.00
CQ01194	221.00	224.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	146.00	1.60	60.00
CQ01195	224.00	227.00			COMPOSITE	-5.00	-2.00	-5.00	-5.00	121.00	1.60	72.00
CQ01196	227.00	228.20			COMPOSITE	-5.00	-2.00	-5.00	-5.00	105.00	1.30	90.00
CQ01197	228.20	230.00			COMPOSITE	7.00	4.00	1.00	-5.00	92.00	1.30	50.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01198	230.00	232.45			DSPLT	10.00	-2.00	6.00	-5.00	107.00	1.40	52.00
CQ01199	232.45	233.15			DSPLT	27.00	-2.00	2.00	6.00	44.00	1.60	122.00
CQ01200	233.15	235.35			COMPOSITE	-5.00	-2.00	-1.00	-5.00	94.00	1.50	58.00
CQ01201	233.15	235.35	SD	CQ01200	COMPOSITE	-5.00	-2.00	2.00	-5.00	109.00	2.10	57.00
CQ01202	233.15	235.35	R	CQ01200	COMPOSITE	-5.00	-2.00	2.00	-5.00	107.00	1.50	53.00
CQ01203	235.35	236.65			COMPOSITE	-5.00	-2.00	-1.00	-5.00	59.00	1.80	70.00
CQ01204	236.65	239.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	126.00	1.60	68.00
CQ01205	239.00	241.10			COMPOSITE	-5.00	-2.00	1.00	-5.00	97.00	1.70	55.00
CQ01206	241.10	241.23			COMPOSITE	17.00	-2.00	-1.00	-5.00	104.00	1.30	77.00
CQ01207	241.23	244.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	93.00	1.60	53.00
CQ01208	244.00	246.10			COMPOSITE	-5.00	-2.00	2.00	-5.00	63.00	1.80	65.00
CQ01209	246.10	248.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	79.00	1.10	73.00
CQ01210	248.00	249.31			COMPOSITE	-5.00	-2.00	-1.00	-5.00	95.00	-1.00	72.00
CQ01211	249.31	252.00			COMPOSITE	15.00	-2.00	-1.00	-5.00	132.00	-1.00	96.00
CQ01212	252.00	254.16			COMPOSITE	18.00	-2.00	1.00	-5.00	113.00	-1.00	139.00
CQ01213	254.16	255.10			COMPOSITE	22.00	-2.00	1.00	-5.00	58.00	-1.00	141.00
CQ01214	255.10	257.73			COMPOSITE	-5.00	-2.00	-1.00	-5.00	163.00	-1.00	67.00
CQ01215	257.73	260.00			COMPOSITE	-5.00	2.00	-1.00	-5.00	163.00	-1.00	58.00
CQ01216	260.00	261.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	122.00	-1.00	58.00
CQ01217	261.00	264.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	156.00	1.10	54.00
CQ01218	264.00	267.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	130.00	-1.00	61.00
CQ01219	267.00	270.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	138.00	-1.00	54.00
CQ01220	270.00	273.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	209.00	1.10	58.00
CQ01221	270.00	273.00	SD	CQ01220	COMPOSITE	-5.00	-2.00	-1.00	-5.00	106.00	-1.00	60.00
CQ01222	270.00	273.00	R	CQ01220	COMPOSITE	-5.00	-2.00	-1.00	-5.00	202.00	-1.00	63.00
CQ01223	273.00	276.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	108.00	-1.00	60.00
CQ01224	276.00	279.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	115.00	-1.00	60.00
CQ01225	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	161.00	5.00	307.00	-1.00	132.00
CQ01226	279.00	282.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	100.00	-1.00	59.00
CQ01227	282.00	285.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	182.00	-1.00	54.00
CQ01228	285.00	288.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	103.00	-1.00	59.00
CQ01229	288.00	289.20			COMPOSITE	-5.00	-2.00	1.00	-5.00	139.00	-1.00	56.00
CQ01230	289.20	291.45			COMPOSITE	-5.00	8.00	1.00	-5.00	101.00	-1.00	59.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01231	291.45	294.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	105.00	-1.00	59.00
CQ01232	294.00	297.00			COMPOSITE	-5.00	3.00	-1.00	-5.00	108.00	-1.00	59.00
CQ01233	297.00	300.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	109.00	-1.00	56.00
CQ01234	300.00	303.00			COMPOSITE	-5.00	4.00	1.00	8.00	101.00	-1.00	57.00
CQ01235	303.00	306.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	101.00	-1.00	61.00
CQ01236	306.00	309.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	114.00	-1.00	56.00
CQ01237	309.00	312.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	101.00	-1.00	57.00
CQ01238	312.00	315.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	92.00	-1.00	53.00
CQ01239	315.00	318.00			COMPOSITE	-5.00	3.00	-1.00	-5.00	98.00	-1.00	55.00
CQ01240	318.00	321.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	117.00	-1.00	55.00
CQ01241	318.00	321.00	SD	CQ01240	COMPOSITE	-5.00	-2.00	-1.00	-5.00	105.00	-1.00	55.00
CQ01242	318.00	321.00	R	CQ01240	COMPOSITE	-5.00	-2.00	-1.00	-5.00	95.00	-1.00	56.00
CQ01243	321.00	322.00			COMPOSITE	-5.00	5.00	-1.00	-5.00	182.00	-1.00	51.00
CQ01244	322.00	323.70			COMPOSITE	-5.00	-2.00	-1.00	-5.00	133.00	-1.00	55.00
CQ01245	323.70	326.00			COMPOSITE	5.00	-2.00	-1.00	-5.00	137.00	-1.00	57.00
CQ01246	326.00	327.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	155.00	1.10	54.00
CQ01247	327.00	330.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	113.00	-1.00	54.00
CQ01248	330.00	333.00			COMPOSITE	-5.00	4.00	-1.00	-5.00	107.00	-1.00	56.00
CQ01249	333.00	333.45			DSPLT	-5.00	-2.00	-1.00	-5.00	143.00	-1.00	58.00
CQ01250	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	186.00	-5.00	463.00	-1.00	111.00
CQ01251	333.45	336.00			COMPOSITE	5.00	-2.00	-1.00	-5.00	96.00	-1.00	55.00
CQ01252	336.00	339.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	94.00	-1.00	56.00
CQ01253	339.00	342.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	91.00	1.10	57.00
CQ01254	342.00	344.90			COMPOSITE	-5.00	-2.00	2.00	-5.00	112.00	1.00	61.00
CQ01255	344.90	346.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	166.00	-1.00	60.00
CQ01256	346.00	348.00			COMPOSITE	5.00	-2.00	-1.00	-5.00	134.00	-1.00	58.00
CQ01257	348.00	351.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	129.00	1.10	55.00
CQ01258	351.00	354.00			COMPOSITE	7.00	-2.00	1.00	-5.00	106.00	-1.00	55.00
CQ01259	354.00	357.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	119.00	-1.00	58.00
CQ01260	357.00	360.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	129.00	1.10	52.00
CQ01261	357.00	360.00	SD	CQ01260	COMPOSITE	-5.00	-2.00	-1.00	-5.00	83.00	-1.00	54.00
CQ01262	357.00	360.00	R	CQ01260	COMPOSITE	-5.00	5.00	1.00	-5.00	136.00	1.10	52.00
CQ01263	360.00	363.00			COMPOSITE	-5.00	-2.00	-1.00	6.00	105.00	-1.00	54.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01264	363.00	366.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	136.00	-1.00	53.00
CQ01265	366.00	369.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	117.00	-1.00	51.00
CQ01266	369.00	372.00			COMPOSITE	-5.00	-2.00	-1.00	5.00	125.00	-1.00	58.00
CQ01267	372.00	375.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	124.00	-1.00	57.00
CQ01268	375.00	378.00			COMPOSITE	-5.00	3.00	-1.00	-5.00	151.00	-1.00	55.00
CQ01269	378.00	381.00			COMPOSITE	-5.00	6.00	-1.00	-5.00	125.00	-1.00	61.00
CQ01270	381.00	384.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	116.00	-1.00	59.00
CQ01271	384.00	387.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	150.00	-1.00	55.00
CQ01272	387.00	390.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	111.00	-1.00	50.00
CQ01273	390.00	393.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	142.00	1.10	53.00
CQ01274	393.00	396.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	138.00	-1.00	52.00
CQ01275	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	163.00	-5.00	542.00	-1.00	104.00
CQ01276	396.00	399.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	146.00	1.10	54.00
CQ01277	399.00	402.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	132.00	-1.00	57.00
CQ01278	402.00	405.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	108.00	-1.00	59.00
CQ01279	405.00	408.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	101.00	-1.00	55.00
CQ01280	408.00	411.00			COMPOSITE	5.00	-2.00	-1.00	-5.00	120.00	-1.00	57.00
CQ01281	408.00	411.00	SD	CQ01280	COMPOSITE	-5.00	-2.00	-1.00	-5.00	133.00	1.20	55.00
CQ01282	408.00	411.00	R	CQ01280	COMPOSITE	-5.00	-2.00	-1.00	-5.00	136.00	-1.00	55.00
CQ01283	411.00	414.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	138.00	-1.00	54.00
CQ01284	414.00	417.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	141.00	-1.00	57.00
CQ01285	417.00	420.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	123.00	-1.00	62.00
CQ01286	420.00	423.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	103.00	1.10	64.00
CQ01287	423.00	426.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	156.00	-1.00	57.00
CQ01288	426.00	429.00			COMPOSITE	-5.00	-2.00	3.00	21.00	93.00	-1.00	-2.00
CQ01289	429.00	432.00			COMPOSITE	-5.00	8.00	1.00	-5.00	96.00	1.10	-2.00
CQ01290	432.00	435.00			COMPOSITE	-5.00	5.00	1.00	-5.00	111.00	-1.00	56.00
CQ01291	435.00	438.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	90.00	-1.00	65.00
CQ01292	438.00	441.00			COMPOSITE	-5.00	-2.00	1.00	10.00	61.00	-1.00	62.00
CQ01293	441.00	444.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	73.00	-1.00	59.00
CQ01294	444.00	447.00			COMPOSITE	-5.00	10.00	-1.00	-5.00	97.00	-1.00	54.00
CQ01295	447.00	449.00			COMPOSITE	-5.00	2.00	-1.00	-5.00	90.00	-1.00	63.00
CQ01296	449.00	449.40			DSPLT	-5.00	-2.00	-1.00	-5.00	99.00	-1.00	86.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01297	449.40	451.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	71.00	1.00	55.00
CQ01298	451.00	453.00			COMPOSITE	-5.00	-2.00	3.00	10.00	92.00	1.50	64.00
CQ01299	453.00	456.00			COMPOSITE	-5.00	-2.00	1.00	9.00	64.00	-1.00	60.00
CQ01300	456.00	459.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	65.00	-1.00	56.00
CQ01301	456.00	459.00	SD	CQ01300	COMPOSITE	-5.00	-2.00	1.00	10.00	88.00	-1.00	57.00
CQ01302	456.00	459.00	R	CQ01300	COMPOSITE	-5.00	11.00	-1.00	-5.00	64.00	-1.00	60.00
CQ01303	459.00	462.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	53.00	-1.00	53.00
CQ01304	462.00	465.00			COMPOSITE	-5.00	6.00	1.00	-5.00	62.00	-1.00	55.00
CQ01305	465.00	468.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	73.00	-1.00	60.00
CQ01306	468.00	471.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	79.00	-1.00	53.00
CQ01307	471.00	474.00			COMPOSITE	-5.00	-2.00	4.00	27.00	77.00	-1.00	51.00
CQ01308	474.00	477.00			COMPOSITE	-5.00	14.00	2.00	-5.00	79.00	-1.00	55.00
CQ01309	477.00	480.00			COMPOSITE	-5.00	9.00	1.00	-5.00	66.00	1.00	55.00
CQ01310	480.00	483.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	89.00	-1.00	57.00
CQ01311	483.00	483.70			COMPOSITE	-5.00	-2.00	2.00	-5.00	84.00	-1.00	60.00
CQ01312	483.70	484.19			DSPLT	-5.00	-2.00	3.00	-5.00	110.00	-1.00	70.00
CQ01313	484.19	486.00			COMPOSITE	-5.00	7.00	2.00	-5.00	70.00	-1.00	60.00
CQ01314	486.00	489.00			COMPOSITE	-5.00	-2.00	-1.00	6.00	72.00	-1.00	59.00
CQ01315	489.00	492.00			COMPOSITE	-5.00	9.00	1.00	-5.00	78.00	-1.00	56.00
CQ01316	492.00	495.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	77.00	-1.00	55.00
CQ01317	495.00	498.00			COMPOSITE	-5.00	4.00	1.00	-5.00	76.00	-1.00	61.00
CQ01318	498.00	501.00			COMPOSITE	-5.00	6.00	2.00	-5.00	82.00	-1.00	56.00
CQ01319	501.00	504.00			COMPOSITE	-5.00	4.00	-1.00	-5.00	112.00	-1.00	53.00
CQ01320	504.00	507.00			COMPOSITE	-5.00	3.00	1.00	-5.00	77.00	-1.00	55.00
CQ01321	504.00	507.00	SD	CQ01320	COMPOSITE	-5.00	6.00	-1.00	-5.00	80.00	-1.00	60.00
CQ01322	504.00	507.00	R	CQ01320	COMPOSITE	-5.00	4.00	-1.00	-5.00	87.00	1.20	58.00
CQ01323	507.00	510.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	90.00	-1.00	59.00
CQ01324	510.00	513.00			COMPOSITE	-5.00	3.00	1.00	-5.00	77.00	-1.00	57.00
CQ01325	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	168.00	-5.00	243.00	-1.00	109.00
CQ01326	513.00	516.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	83.00	-1.00	58.00
CQ01327	516.00	518.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	93.00	-1.00	63.00
CQ01328	518.00	519.50			DSPLT	-5.00	-2.00	2.00	-5.00	134.00	1.00	67.00
CQ01329	519.50	519.87			DSPLT	-5.00	-2.00	8.00	-5.00	386.00	-1.00	148.00

Sample No.	From	To	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01330	519.87	520.36			DSPLT	-5.00	4.00	6.00	-5.00	620.00	-1.00	185.00
CQ01331	520.36	521.42			DSPLT	-5.00	9.00	6.00	-5.00	402.00	1.20	135.00
CQ01332	521.42	522.44			DSPLT	-5.00	16.00	6.00	-5.00	599.00	1.00	145.00
CQ01333	522.44	523.20			DSPLT	-5.00	12.00	5.00	-5.00	233.00	-1.00	126.00
CQ01334	523.20	524.04			DSPLT	-5.00	4.00	3.00	-5.00	232.00	-1.00	101.00
CQ01335	524.04	524.92			DSPLT	-5.00	-2.00	4.00	-5.00	194.00	1.30	108.00
CQ01336	524.92	525.66			DSPLT	-5.00	-2.00	4.00	-5.00	371.00	-1.00	147.00
CQ01337	525.66	526.06			DSPLT	-5.00	-2.00	6.00	-5.00	153.00	-1.00	70.00
CQ01338	526.06	526.56			DSPLT	-5.00	10.00	5.00	-5.00	493.00	1.00	213.00
CQ01339	526.56	526.97			DSPLT	-5.00	-2.00	4.00	-5.00	218.00	-1.00	90.00
CQ01340	526.97	527.88			DSPLT	-5.00	-2.00	5.00	-5.00	271.00	-1.00	143.00
CQ01341	526.97	527.88	SD	CQ01340	DSPLT	-5.00	19.00	6.00	-5.00	281.00	-1.00	131.00
CQ01342	526.97	527.88	R	CQ01340	DSPLT	-5.00	8.00	5.00	-5.00	255.00	-1.00	143.00
CQ01343	527.88	528.47			DSPLT	-5.00	5.00	6.00	-5.00	106.00	-1.00	68.00
CQ01344	528.47	529.80			DSPLT	-5.00	-2.00	1.00	-5.00	101.00	1.10	59.00
CQ01345	529.80	531.00			DSPLT	-5.00	-2.00	-1.00	-5.00	97.00	-1.00	68.00
CQ01346	531.00	533.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	101.00	1.10	62.00
CQ01347	533.00	536.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	103.00	-1.00	59.00
CQ01348	536.00	539.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	83.00	-1.00	56.00
CQ01349	539.00	542.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	104.00	-1.00	63.00
CQ01350	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	175.00	-5.00	263.00	-1.00	107.00
CQ01351	542.00	545.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	106.00	-1.00	66.00
CQ01352	545.00	548.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	135.00	-1.00	59.00
CQ01353	548.00	550.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	187.00	1.10	57.00
CQ01354	550.00	551.14			COMPOSITE	-5.00	-2.00	2.00	-5.00	181.00	-1.00	49.00
CQ01355	551.14	554.00			COMPOSITE	-5.00	2.00	1.00	-5.00	200.00	-1.00	52.00
CQ01356	554.00	557.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	166.00	-1.00	50.00
CQ01357	557.00	560.00			COMPOSITE	-5.00	-2.00	2.00	-5.00	123.00	-1.00	53.00
CQ01358	560.00	561.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	112.00	1.00	60.00
CQ01359	561.00	564.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	98.00	-1.00	61.00
CQ01360	564.00	565.40			COMPOSITE	-5.00	3.00	-1.00	-5.00	137.00	1.00	64.00
CQ01361	564.00	565.40	SD	CQ01360	COMPOSITE	-5.00	-2.00	-1.00	-5.00	171.00	-1.00	61.00
CQ01362	564.00	565.40	R	CQ01360	COMPOSITE	-5.00	-2.00	1.00	-5.00	134.00	-1.00	65.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01363	565.40	567.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	109.00	-1.00	69.00
CQ01364	567.00	568.82			COMPOSITE	-5.00	-2.00	-1.00	-5.00	127.00	-1.00	74.00
CQ01365	568.82	570.00			COMPOSITE	-5.00	-2.00	1.00	-5.00	196.00	-1.00	74.00
CQ01366	570.00	573.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	141.00	-1.00	68.00
CQ01367	573.00	576.00			COMPOSITE	-5.00	-2.00	-1.00	-5.00	92.00	-1.00	71.00
CQ01368	576.00	576.77			DSPLT	-5.00	-2.00	4.00	-5.00	138.00	1.00	68.00
CQ01369	576.77	577.45			DSPLT	-5.00	-2.00	9.00	-5.00	162.00	-1.00	66.00
CQ01370	577.45	578.00			DSPLT	-5.00	3.00	-1.00	-5.00	114.00	1.10	64.00
CQ01371	578.00	579.00			DSPLT	-5.00	-2.00	5.00	-5.00	91.00	-1.00	73.00
CQ01372	579.00	580.00			DSPLT	-5.00	-2.00	7.00	-5.00	84.00	-1.00	67.00
CQ01373	580.00	580.93			DSPLT	-5.00	4.00	6.00	-5.00	79.00	-1.00	62.00
CQ01374	580.93	581.55			DSPLT	-5.00	-2.00	2.00	-5.00	96.00	-1.00	54.00
CQ01375	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	179.00	-5.00	270.00	1.20	103.00
CQ01376	581.55	582.18			DSPLT	-5.00	-2.00	4.00	-5.00	96.00	1.20	56.00
CQ01377	582.18	582.90			DSPLT	-5.00	2.00	2.00	-5.00	108.00	-1.00	59.00
CQ01378	582.90	583.73			DSPLT	-5.00	-2.00	-1.00	-5.00	101.00	-1.00	76.00
CQ01379	583.73	584.28			DSPLT	-5.00	3.00	4.00	-5.00	102.00	-1.00	67.00
CQ01380	584.28	585.00			DSPLT	-5.00	-2.00	11.00	-5.00	135.00	-1.00	74.00
CQ01381	584.28	585.00	SD	CQ01380	DSPLT	-5.00	-2.00	2.00	-5.00	152.00	-1.00	74.00
CQ01382	584.28	585.00	R	CQ01380	DSPLT	-5.00	-2.00	11.00	-5.00	145.00	-1.00	79.00
CQ01383	585.00	586.00			DSPLT	-5.00	-2.00	4.00	-5.00	84.00	-1.00	66.00
CQ01384	586.00	586.95			DSPLT	-5.00	-2.00	5.00	-5.00	107.00	-1.00	62.00
CQ01385	586.95	587.93			DSPLT	-5.00	-2.00	12.00	-5.00	97.00	-1.00	69.00
CQ01386	587.93	588.90			DSPLT	-5.00	-2.00	13.00	-5.00	126.00	-1.00	74.00
CQ01387	588.90	589.78			DSPLT	-5.00	-2.00	9.00	-5.00	97.00	-1.00	62.00
CQ01388	589.78	590.49			DSPLT	5.00	-2.00	17.00	-5.00	506.00	1.20	118.00
CQ01389	590.49	591.00			DSPLT	-5.00	-2.00	13.00	-5.00	518.00	1.20	138.00
CQ01390	591.00	592.00			DSPLT	-5.00	-2.00	14.00	-5.00	139.00	-1.00	69.00
CQ01391	592.00	592.80			DSPLT	-5.00	-2.00	17.00	-5.00	148.00	-1.00	62.00
CQ01392	592.80	593.56			DSPLT	-5.00	-2.00	20.00	-5.00	106.00	-1.00	62.00
CQ01393	593.56	594.30			DSPLT	-5.00	-2.00	31.00	-5.00	116.00	-1.00	72.00
CQ01394	594.30	595.24			DSPLT	-5.00	3.00	21.00	-5.00	73.00	-1.00	67.00
CQ01395	595.24	595.88			DSPLT	-5.00	3.00	29.00	-5.00	96.00	-1.00	78.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ01396	595.88	596.10			DSPLT	-5.00	25.00	2.00	-5.00	633.00	-1.00	47.00
CQ01397	596.10	597.13			DSPLT	-5.00	13.00	34.00	-5.00	131.00	-1.00	84.00
CQ01398	597.13	598.05			DSPLT	-5.00	4.00	22.00	-5.00	78.00	-1.00	81.00
CQ01399	598.05	599.06			DSPLT	-5.00	4.00	25.00	-5.00	105.00	-1.00	92.00
CQ01400	599.06	600.00			DSPLT	-5.00	13.00	38.00	-5.00	84.00	-1.00	94.00
CQ01401	599.06	600.00	SD	CQ01400	DSPLT	-5.00	6.00	34.00	-5.00	82.00	-1.00	91.00
CQ01402	599.06	600.00	R	CQ01400	DSPLT	-5.00	12.00	35.00	-5.00	80.00	-1.00	87.00
CQ01403	600.00	600.63			DSPLT	-5.00	6.00	22.00	-5.00	116.00	-1.00	97.00
CQ01404	600.63	601.23			DSPLT	-5.00	6.00	25.00	-5.00	155.00	-1.00	80.00
CQ01405	601.23	601.63			DSPLT	-5.00	22.00	29.00	-5.00	396.00	-1.00	168.00
CQ01406	601.63	602.54			DSPLT	-5.00	17.00	17.00	-5.00	263.00	-1.00	324.00
CQ01407	602.54	603.00			DSPLT	12.00	22.00	12.00	-5.00	349.00	-1.00	126.00
CQ01408	603.00	604.03			DSPLT	-5.00	28.00	20.00	-5.00	350.00	-1.00	157.00
CQ01409	604.03	604.83			DSPLT	5.00	18.00	9.00	-5.00	391.00	-1.00	147.00
CQ01410	604.83	605.80			DSPLT	-5.00	13.00	13.00	-5.00	428.00	-1.00	160.00
CQ01411	605.80	606.27			DSPLT	-5.00	31.00	35.00	-5.00	565.00	-1.00	163.00
CQ01412	606.27	607.17			DSPLT	-5.00	28.00	33.00	-5.00	390.00	-1.00	196.00
CQ01413	607.17	607.44			DSPLT	-5.00	24.00	16.00	-5.00	271.00	-1.00	103.00
CQ01414	607.44	607.74			DSPLT	16.00	10.00	31.00	-5.00	499.00	-1.00	214.00
CQ01415	607.74	608.21			DSPLT	11.00	12.00	12.00	-5.00	528.00	-1.00	168.00
CQ01416	608.21	608.78			DSPLT	-5.00	14.00	36.00	-5.00	525.00	-1.00	173.00
CQ01417	608.78	609.69			DSPLT	-5.00	9.00	84.00	-5.00	444.00	-1.00	169.00
CQ01418	609.69	610.69			DSPLT	13.00	9.00	14.00	-5.00	342.00	-1.00	149.00
CQ01419	610.69	611.56			DSPLT	5.00	18.00	30.00	-5.00	345.00	-1.00	151.00
CQ01420	611.56	612.53			DSPLT	6.00	10.00	12.00	-5.00	330.00	-1.00	135.00
CQ01421	611.56	612.53	SD	CQ01420	DSPLT	9.00	10.00	9.00	-5.00	319.00	-1.00	124.00
CQ01422	611.56	612.53	R	CQ01420	DSPLT	15.00	11.00	8.00	-5.00	329.00	-1.00	136.00
CQ01423	612.53	613.50			DSPLT	8.00	9.00	5.00	-5.00	311.00	-1.00	130.00
CQ01424	613.50	614.00			DSPLT	9.00	172.00	6.00	-5.00	271.00	-1.00	103.00
CQ01425	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	183.00	-5.00	396.00	-1.00	89.00
CQ01426	614.00	615.00			DSPLT	8.00	8.00	4.00	-5.00	245.00	-1.00	96.00
CQ01427	615.00	616.66			DSPLT	6.00	9.00	1.00	-5.00	472.00	-1.00	10.00
CQ01428	616.66	616.74			DSPLT	9.00	9.00	-1.00	-5.00	317.00	-1.00	20.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ01429	616.74	617.64			DSPLT	-5.00	20.00	3.00	-5.00	272.00	-1.00	115.00
CQ01430	617.64	618.50			DSPLT	-5.00	37.00	1.00	5.00	320.00	-1.00	35.00
CQ01431	618.50	619.66			DSPLT	-5.00	15.00	1.00	-5.00	333.00	-1.00	15.00
CQ01432	619.66	620.85			DSPLT	11.00	22.00	3.00	-5.00	293.00	-1.00	97.00
CQ01433	620.85	623.00			DSPLT	-5.00	24.00	7.00	-5.00	340.00	-1.00	87.00

DOWN HOLE SURVEY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>AZIMUTH</i>	<i>DIP</i>	<i>TYPE</i>
QPD01008	0.00	90.00	-80.00	DM
QPD01008	3.00	90.16	-79.98	MB
QPD01008	6.00	90.31	-79.96	MB
QPD01008	9.00	90.65	-79.95	MB
QPD01008	12.00	90.82	-79.96	MB
QPD01008	15.00	90.98	-80.00	MB
QPD01008	18.00	90.96	-80.02	MB
QPD01008	21.00	90.77	-80.00	MB
QPD01008	24.00	90.70	-79.95	MB
QPD01008	27.00	90.87	-79.92	MB
QPD01008	30.00	90.94	-79.89	MB
QPD01008	33.00	90.93	-79.86	MB
QPD01008	36.00	91.29	-79.87	MB
QPD01008	39.00	91.42	-79.92	MB
QPD01008	42.00	91.63	-79.91	MB
QPD01008	45.00	91.68	-79.85	MB
QPD01008	48.00	91.57	-79.87	MB
QPD01008	51.00	91.54	-79.89	MB
QPD01008	54.00	91.69	-79.86	MB
QPD01008	57.00	91.68	-79.84	MB
QPD01008	60.00	91.71	-79.85	MB
QPD01008	63.00	91.62	-79.87	MB
QPD01008	66.00	91.51	-79.88	MB
QPD01008	69.00	91.52	-79.88	MB
QPD01008	72.00	91.36	-79.89	MB
QPD01008	75.00	91.32	-79.89	MB
QPD01008	78.00	91.28	-79.89	MB
QPD01008	81.00	91.07	-79.91	MB
QPD01008	84.00	91.24	-79.94	MB
QPD01008	87.00	91.45	-79.95	MB
QPD01008	90.00	91.67	-79.95	MB
QPD01008	93.00	91.85	-79.94	MB
QPD01008	96.00	91.93	-79.91	MB
QPD01008	99.00	92.18	-79.88	MB
QPD01008	102.00	92.57	-79.87	MB
QPD01008	105.00	92.38	-79.85	MB
QPD01008	108.00	92.69	-79.82	MB
QPD01008	111.00	92.93	-79.80	MB
QPD01008	114.00	93.12	-79.76	MB
QPD01008	117.00	93.51	-79.72	MB
QPD01008	120.00	93.94	-79.69	MB
QPD01008	123.00	94.22	-79.65	MB
QPD01008	126.00	94.47	-79.65	MB
QPD01008	129.00	94.57	-79.67	MB
QPD01008	132.00	94.51	-79.66	MB
QPD01008	135.00	94.69	-79.64	MB
QPD01008	138.00	94.98	-79.60	MB
QPD01008	141.00	95.31	-79.58	MB

QPD01008	144.00	95.41	-79.57	MB
QPD01008	147.00	95.57	-79.57	MB
QPD01008	150.00	95.81	-79.55	MB
QPD01008	153.00	96.14	-79.53	MB
QPD01008	156.00	96.27	-79.53	MB
QPD01008	159.00	96.40	-79.53	MB
QPD01008	162.00	96.55	-79.52	MB
QPD01008	165.00	96.70	-79.50	MB
QPD01008	168.00	96.96	-79.48	MB
QPD01008	171.00	97.07	-79.49	MB
QPD01008	174.00	97.27	-79.49	MB
QPD01008	177.00	97.44	-79.41	MB
QPD01008	180.00	97.53	-79.41	MB
QPD01008	183.00	97.64	-79.39	MB
QPD01008	186.00	97.90	-79.34	MB
QPD01008	189.00	98.09	-79.32	MB
QPD01008	192.00	98.28	-79.31	MB
QPD01008	195.00	98.43	-79.28	MB
QPD01008	198.00	98.76	-79.24	MB
QPD01008	201.00	99.10	-79.22	MB
QPD01008	204.00	99.36	-79.20	MB
QPD01008	207.00	99.64	-79.19	MB
QPD01008	210.00	99.78	-79.17	MB
QPD01008	213.00	99.99	-79.16	MB
QPD01008	216.00	100.13	-79.12	MB
QPD01008	219.00	100.14	-79.10	MB
QPD01008	222.00	100.08	-79.04	MB
QPD01008	225.00	100.20	-79.02	MB
QPD01008	228.00	100.27	-78.99	MB
QPD01008	231.00	100.39	-78.96	MB
QPD01008	234.00	100.50	-78.99	MB
QPD01008	237.00	100.57	-78.98	MB
QPD01008	240.00	100.54	-78.97	MB
QPD01008	243.00	100.35	-78.99	MB
QPD01008	246.00	100.60	-78.98	MB
QPD01008	249.00	100.71	-78.99	MB
QPD01008	252.00	100.61	-79.00	MB
QPD01008	255.00	100.70	-79.00	MB
QPD01008	258.00	100.77	-79.02	MB
QPD01008	261.00	100.81	-79.01	MB
QPD01008	264.00	100.83	-78.99	MB
QPD01008	267.00	100.67	-78.99	MB
QPD01008	270.00	100.67	-78.99	MB
QPD01008	273.00	100.88	-79.01	MB
QPD01008	276.00	100.88	-79.00	MB
QPD01008	279.00	100.94	-79.00	MB
QPD01008	282.00	100.89	-79.02	MB
QPD01008	285.00	101.05	-79.02	MB
QPD01008	288.00	100.82	-79.03	MB
QPD01008	291.00	100.74	-79.04	MB
QPD01008	294.00	100.69	-79.08	MB
QPD01008	297.00	100.70	-79.07	MB

QPD01008	300.00	100.70	-79.08	MB
QPD01008	303.00	100.77	-79.07	MB
QPD01008	306.00	100.62	-79.07	MB
QPD01008	309.00	100.60	-79.06	MB
QPD01008	312.00	100.51	-79.05	MB
QPD01008	315.00	100.45	-79.07	MB
QPD01008	318.00	100.21	-79.04	MB
QPD01008	321.00	100.51	-79.05	MB
QPD01008	324.00	100.48	-79.04	MB
QPD01008	327.00	100.31	-79.05	MB
QPD01008	330.00	100.16	-79.05	MB
QPD01008	333.00	100.08	-79.03	MB
QPD01008	336.00	100.04	-79.02	MB
QPD01008	339.00	100.05	-79.03	MB
QPD01008	342.00	100.17	-79.01	MB
QPD01008	345.00	100.07	-79.01	MB
QPD01008	348.00	100.17	-79.03	MB
QPD01008	351.00	100.01	-79.01	MB
QPD01008	354.00	100.22	-78.99	MB
QPD01008	357.00	100.22	-78.97	MB
QPD01008	360.00	100.10	-78.95	MB
QPD01008	363.00	99.98	-78.94	MB
QPD01008	366.00	99.92	-78.93	MB
QPD01008	369.00	99.93	-78.95	MB
QPD01008	372.00	100.27	-78.91	MB
QPD01008	375.00	100.44	-78.86	MB
QPD01008	378.00	100.26	-78.85	MB
QPD01008	381.00	100.12	-78.84	MB
QPD01008	384.00	100.20	-78.79	MB
QPD01008	387.00	100.68	-78.78	MB
QPD01008	390.00	100.78	-78.73	MB
QPD01008	393.00	100.90	-78.71	MB
QPD01008	396.00	100.91	-78.69	MB
QPD01008	399.00	101.16	-78.70	MB
QPD01008	402.00	100.94	-78.70	MB
QPD01008	405.00	100.82	-78.69	MB
QPD01008	408.00	100.98	-78.66	MB
QPD01008	411.00	100.93	-78.66	MB
QPD01008	414.00	100.72	-78.66	MB
QPD01008	417.00	100.88	-78.64	MB
QPD01008	420.00	101.01	-78.64	MB
QPD01008	423.00	100.88	-78.63	MB
QPD01008	426.00	100.94	-78.61	MB
QPD01008	429.00	100.69	-78.61	MB
QPD01008	432.00	100.59	-78.60	MB
QPD01008	435.00	100.57	-78.61	MB
QPD01008	438.00	100.61	-78.61	MB
QPD01008	441.00	100.49	-78.61	MB
QPD01008	444.00	100.43	-78.60	MB
QPD01008	447.00	100.46	-78.58	MB
QPD01008	450.00	100.56	-78.58	MB
QPD01008	453.00	100.72	-78.57	MB

QPD01008	456.00	100.76	-78.54	MB
QPD01008	459.00	100.92	-78.52	MB
QPD01008	462.00	100.65	-78.49	MB
QPD01008	465.00	100.49	-78.48	MB
QPD01008	468.00	100.49	-78.47	MB
QPD01008	471.00	100.59	-78.46	MB
QPD01008	474.00	100.57	-78.48	MB
QPD01008	477.00	100.55	-78.50	MB
QPD01008	480.00	100.50	-78.49	MB
QPD01008	483.00	100.67	-78.52	MB
QPD01008	486.00	101.04	-78.50	MB
QPD01008	489.00	101.02	-78.51	MB
QPD01008	492.00	100.83	-78.53	MB
QPD01008	495.00	100.87	-78.48	MB
QPD01008	498.00	101.12	-78.47	MB
QPD01008	501.00	101.29	-78.46	MB
QPD01008	504.00	101.16	-78.50	MB
QPD01008	507.00	101.24	-78.49	MB
QPD01008	510.00	101.37	-78.48	MB
QPD01008	513.00	101.59	-78.47	MB
QPD01008	516.00	101.55	-78.47	MB
QPD01008	519.00	101.64	-78.44	MB
QPD01008	522.00	101.72	-78.37	MB
QPD01008	525.00	102.03	-78.39	MB
QPD01008	528.00	102.24	-78.33	MB
QPD01008	531.00	102.38	-78.30	MB
QPD01008	534.00	102.26	-78.33	MB
QPD01008	537.00	102.47	-78.30	MB
QPD01008	540.00	102.64	-78.31	MB
QPD01008	543.00	102.74	-78.28	MB
QPD01008	546.00	102.71	-78.24	MB
QPD01008	549.00	102.76	-78.25	MB
QPD01008	552.00	102.83	-78.25	MB
QPD01008	555.00	102.60	-78.27	MB
QPD01008	558.00	102.86	-78.27	MB
QPD01008	561.00	103.06	-78.26	MB
QPD01008	564.00	102.94	-78.24	MB
QPD01008	567.00	102.90	-78.22	MB
QPD01008	570.00	103.08	-78.21	MB
QPD01008	573.00	103.14	-78.21	MB
QPD01008	576.00	103.23	-78.19	MB
QPD01008	579.00	103.38	-78.18	MB
QPD01008	582.00	103.26	-78.20	MB
QPD01008	585.00	103.37	-78.16	MB
QPD01008	588.00	103.70	-78.17	MB
QPD01008	591.00	103.97	-78.17	MB
QPD01008	594.00	104.02	-78.16	MB
QPD01008	597.00	103.90	-78.16	MB
QPD01008	600.00	104.04	-78.15	MB
QPD01008	603.00	104.30	-78.14	MB
QPD01008	606.00	104.49	-78.14	MB
QPD01008	609.00	104.74	-78.12	MB

QPD01008	612.00	105.00	-78.14	MB
QPD01008	615.00	105.03	-78.10	MB
QPD01008	618.00	105.14	-78.16	MB
QPD01008	621.00	105.15	-78.15	MB
QPD01008	624.00	105.47	-78.15	MB
QPD01008	627.00	106.04	-78.16	MB

MAGNETIC SUSCEPTIBILITY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>MAG SUS</i>
QPD01008	2.00	0.00
QPD01008	3.00	0.00
QPD01008	4.00	0.00
QPD01008	5.00	128.00
QPD01008	6.00	28.00
QPD01008	7.00	1.00
QPD01008	8.00	0.00
QPD01008	9.00	155.00
QPD01008	10.00	2.00
QPD01008	11.00	1.00
QPD01008	12.00	0.00
QPD01008	13.00	3.00
QPD01008	14.00	0.00
QPD01008	15.00	0.00
QPD01008	16.00	184.00
QPD01008	17.00	154.00
QPD01008	18.00	3.00
QPD01008	19.00	0.00
QPD01008	20.00	0.00
QPD01008	21.00	53.00
QPD01008	22.00	115.00
QPD01008	23.00	3.00
QPD01008	24.00	1.00
QPD01008	25.00	140.00
QPD01008	26.00	4.00
QPD01008	27.00	63.00
QPD01008	28.00	2.00
QPD01008	29.00	1.00
QPD01008	30.00	178.00
QPD01008	31.00	28.00
QPD01008	32.00	5.00
QPD01008	33.00	2.00
QPD01008	34.00	17.00
QPD01008	35.00	0.00
QPD01008	36.00	17.00
QPD01008	37.00	7.00
QPD01008	38.00	26.00
QPD01008	39.00	180.00
QPD01008	40.00	27.00
QPD01008	41.00	25.00
QPD01008	42.00	164.00
QPD01008	43.00	205.00
QPD01008	44.00	26.00
QPD01008	45.00	17.00
QPD01008	46.00	34.00
QPD01008	47.00	25.00
QPD01008	48.00	19.00
QPD01008	49.00	17.00

QPD01008	50.00	19.00
QPD01008	51.00	10.00
QPD01008	52.00	218.00
QPD01008	53.00	7.00
QPD01008	54.00	4.00
QPD01008	55.00	280.00
QPD01008	56.00	0.00
QPD01008	57.00	3.00
QPD01008	58.00	0.00
QPD01008	59.00	0.00
QPD01008	60.00	125.00
QPD01008	61.00	13.00
QPD01008	62.00	135.00
QPD01008	63.00	61.00
QPD01008	64.00	39.00
QPD01008	65.00	12.00
QPD01008	66.00	445.00
QPD01008	67.00	147.00
QPD01008	68.00	240.00
QPD01008	69.00	19.00
QPD01008	70.00	2.00
QPD01008	71.00	146.00
QPD01008	72.00	196.00
QPD01008	73.00	127.00
QPD01008	74.00	46.00
QPD01008	75.00	107.00
QPD01008	76.00	40.00
QPD01008	77.00	101.00
QPD01008	78.00	61.00
QPD01008	79.00	53.00
QPD01008	80.00	188.00
QPD01008	81.00	84.00
QPD01008	82.00	63.00
QPD01008	83.00	113.00
QPD01008	84.00	77.00
QPD01008	85.00	47.00
QPD01008	86.00	115.00
QPD01008	87.00	78.00
QPD01008	88.00	181.00
QPD01008	89.00	104.00
QPD01008	90.00	58.00
QPD01008	91.00	0.00
QPD01008	92.00	0.00
QPD01008	93.00	74.00
QPD01008	94.00	47.00
QPD01008	95.00	0.00
QPD01008	96.00	0.00
QPD01008	97.00	0.00
QPD01008	98.00	125.00
QPD01008	99.00	1.00
QPD01008	100.00	0.00
QPD01008	101.00	0.00

QPD01008	102.00	24.00
QPD01008	103.00	154.00
QPD01008	104.00	371.00
QPD01008	105.00	301.00
QPD01008	106.00	232.00
QPD01008	107.00	591.00
QPD01008	108.00	386.00
QPD01008	109.00	214.00
QPD01008	110.00	285.00
QPD01008	111.00	583.00
QPD01008	112.00	238.00
QPD01008	113.00	648.00
QPD01008	114.00	411.00
QPD01008	115.00	277.00
QPD01008	116.00	472.00
QPD01008	117.00	561.00
QPD01008	118.00	289.00
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QPD01008	121.00	269.00
QPD01008	122.00	327.00
QPD01008	123.00	344.00
QPD01008	124.00	296.00
QPD01008	125.00	310.00
QPD01008	126.00	364.00
QPD01008	127.00	211.00
QPD01008	128.00	261.00
QPD01008	129.00	252.00
QPD01008	130.00	241.00
QPD01008	131.00	248.00
QPD01008	132.00	227.00
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QPD01008	134.00	399.00
QPD01008	135.00	377.00
QPD01008	136.00	212.00
QPD01008	137.00	545.00
QPD01008	138.00	260.00
QPD01008	139.00	400.00
QPD01008	140.00	507.00
QPD01008	141.00	747.00
QPD01008	142.00	617.00
QPD01008	143.00	388.00
QPD01008	144.00	766.00
QPD01008	145.00	570.00
QPD01008	146.00	980.00
QPD01008	147.00	449.00
QPD01008	148.00	316.00
QPD01008	149.00	293.00
QPD01008	150.00	500.00
QPD01008	151.00	420.00
QPD01008	152.00	3198.00
QPD01008	153.00	685.00

QPD01008	154.00	521.00
QPD01008	155.00	1716.00
QPD01008	156.00	649.00
QPD01008	157.00	758.00
QPD01008	158.00	342.00
QPD01008	159.00	1076.00
QPD01008	160.00	407.00
QPD01008	161.00	322.00
QPD01008	162.00	340.00
QPD01008	163.00	541.00
QPD01008	164.00	2890.00
QPD01008	165.00	833.00
QPD01008	166.00	792.00
QPD01008	167.00	399.00
QPD01008	168.00	707.00
QPD01008	169.00	570.00
QPD01008	170.00	482.00
QPD01008	171.00	977.00
QPD01008	172.00	391.00
QPD01008	173.00	744.00
QPD01008	174.00	790.00
QPD01008	175.00	530.00
QPD01008	176.00	541.00
QPD01008	177.00	869.00
QPD01008	178.00	980.00
QPD01008	179.00	577.00
QPD01008	180.00	651.00
QPD01008	181.00	976.00
QPD01008	182.00	825.00
QPD01008	183.00	750.00
QPD01008	184.00	1628.00
QPD01008	185.00	1084.00
QPD01008	186.00	1336.00
QPD01008	187.00	549.00
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QPD01008	189.00	769.00
QPD01008	190.00	431.00
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QPD01008	193.00	600.00
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QPD01008	195.00	536.00
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QPD01008	197.00	890.00
QPD01008	198.00	528.00
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QPD01008	200.00	966.00
QPD01008	201.00	681.00
QPD01008	202.00	735.00
QPD01008	203.00	800.00
QPD01008	204.00	722.00
QPD01008	205.00	538.00

QPD01008	206.00	1806.00
QPD01008	207.00	780.00
QPD01008	208.00	477.00
QPD01008	209.00	792.00
QPD01008	210.00	523.00
QPD01008	211.00	497.00
QPD01008	212.00	835.00
QPD01008	213.00	831.00
QPD01008	214.00	811.00
QPD01008	215.00	1116.00
QPD01008	216.00	624.00
QPD01008	217.00	682.00
QPD01008	218.00	560.00
QPD01008	219.00	608.00
QPD01008	220.00	627.00
QPD01008	221.00	913.00
QPD01008	222.00	828.00
QPD01008	223.00	552.00
QPD01008	224.00	734.00
QPD01008	225.00	717.00
QPD01008	226.00	558.00
QPD01008	227.00	342.00
QPD01008	228.00	288.00
QPD01008	229.00	2025.00
QPD01008	230.00	1456.00
QPD01008	231.00	1063.00
QPD01008	232.00	3669.00
QPD01008	233.00	725.00
QPD01008	234.00	570.00
QPD01008	235.00	1105.00
QPD01008	236.00	441.00
QPD01008	237.00	488.00
QPD01008	238.00	849.00
QPD01008	239.00	827.00
QPD01008	240.00	873.00
QPD01008	241.00	730.00
QPD01008	242.00	640.00
QPD01008	243.00	587.00
QPD01008	244.00	535.00
QPD01008	245.00	799.00
QPD01008	246.00	657.00
QPD01008	247.00	743.00
QPD01008	248.00	770.00
QPD01008	249.00	659.00
QPD01008	250.00	4667.00
QPD01008	251.00	3754.00
QPD01008	252.00	816.00
QPD01008	253.00	889.00
QPD01008	254.00	4638.00
QPD01008	255.00	6280.00
QPD01008	256.00	187.00
QPD01008	257.00	309.00

QPD01008	258.00	493.00
QPD01008	259.00	709.00
QPD01008	260.00	683.00
QPD01008	261.00	562.00
QPD01008	262.00	821.00
QPD01008	263.00	843.00
QPD01008	264.00	729.00
QPD01008	265.00	408.00
QPD01008	266.00	358.00
QPD01008	267.00	399.00
QPD01008	268.00	449.00
QPD01008	269.00	580.00
QPD01008	270.00	689.00
QPD01008	271.00	251.00
QPD01008	272.00	278.00
QPD01008	273.00	297.00
QPD01008	274.00	407.00
QPD01008	275.00	527.00
QPD01008	276.00	323.00
QPD01008	277.00	390.00
QPD01008	278.00	655.00
QPD01008	279.00	442.00
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QPD01008	281.00	411.00
QPD01008	282.00	752.00
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QPD01008	286.00	422.00
QPD01008	287.00	608.00
QPD01008	288.00	497.00
QPD01008	289.00	282.00
QPD01008	290.00	199.00
QPD01008	291.00	103.00
QPD01008	292.00	206.00
QPD01008	293.00	170.00
QPD01008	294.00	456.00
QPD01008	295.00	329.00
QPD01008	296.00	392.00
QPD01008	297.00	581.00
QPD01008	298.00	512.00
QPD01008	299.00	428.00
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QPD01008	305.00	417.00
QPD01008	306.00	387.00
QPD01008	307.00	402.00
QPD01008	308.00	425.00
QPD01008	309.00	448.00

QPD01008	310.00	448.00
QPD01008	311.00	258.00
QPD01008	312.00	332.00
QPD01008	313.00	475.00
QPD01008	314.00	620.00
QPD01008	315.00	497.00
QPD01008	316.00	407.00
QPD01008	317.00	452.00
QPD01008	318.00	418.00
QPD01008	319.00	558.00
QPD01008	320.00	449.00
QPD01008	321.00	448.00
QPD01008	322.00	350.00
QPD01008	323.00	747.00
QPD01008	324.00	394.00
QPD01008	325.00	410.00
QPD01008	326.00	572.00
QPD01008	327.00	379.00
QPD01008	328.00	570.00
QPD01008	329.00	602.00
QPD01008	330.00	440.00
QPD01008	331.00	435.00
QPD01008	332.00	430.00
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QPD01008	343.00	237.00
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QPD01008	346.00	248.00
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QPD01008	348.00	240.00
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QPD01008	351.00	371.00
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QPD01008	355.00	260.00
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QPD01008	399.00	531.00
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QPD01008	401.00	507.00
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QPD01008	405.00	386.00
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QPD01008	473.00	693.00
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QPD01008	479.00	620.00
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QPD01008	491.00	1328.00
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QPD01008	497.00	450.00
QPD01008	498.00	274.00
QPD01008	499.00	324.00
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QPD01008	507.00	374.00
QPD01008	508.00	552.00
QPD01008	509.00	402.00
QPD01008	510.00	450.00
QPD01008	511.00	461.00
QPD01008	512.00	349.00
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QPD01008	515.00	252.00
QPD01008	516.00	565.00
QPD01008	517.00	310.00

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QPD01008	529.00	181.00
QPD01008	530.00	322.00
QPD01008	531.00	186.00
QPD01008	532.00	637.00
QPD01008	533.00	359.00
QPD01008	534.00	327.00
QPD01008	535.00	700.00
QPD01008	536.00	706.00
QPD01008	537.00	322.00
QPD01008	538.00	725.00
QPD01008	539.00	340.00
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QPD01008	541.00	457.00
QPD01008	542.00	415.00
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QPD01008	545.00	535.00
QPD01008	546.00	427.00
QPD01008	547.00	362.00
QPD01008	548.00	533.00
QPD01008	549.00	769.00
QPD01008	550.00	245.00
QPD01008	551.00	312.00
QPD01008	552.00	624.00
QPD01008	553.00	307.00
QPD01008	554.00	249.00
QPD01008	555.00	408.00
QPD01008	556.00	282.00
QPD01008	557.00	307.00
QPD01008	558.00	514.00
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QPD01008	560.00	220.00
QPD01008	561.00	315.00
QPD01008	562.00	503.00
QPD01008	563.00	488.00
QPD01008	564.00	1010.00
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QPD01008	566.00	413.00
QPD01008	567.00	756.00
QPD01008	568.00	669.00
QPD01008	569.00	523.00

QPD01008	570.00	1393.00
QPD01008	571.00	569.00
QPD01008	572.00	431.00
QPD01008	573.00	759.00
QPD01008	574.00	321.00
QPD01008	575.00	226.00
QPD01008	576.00	486.00
QPD01008	577.00	443.00
QPD01008	578.00	1018.00
QPD01008	579.00	1061.00
QPD01008	580.00	755.00
QPD01008	581.00	2087.00
QPD01008	582.00	296.00
QPD01008	583.00	1550.00
QPD01008	584.00	299.00
QPD01008	585.00	322.00
QPD01008	586.00	218.00
QPD01008	587.00	719.00
QPD01008	588.00	227.00
QPD01008	589.00	1740.00
QPD01008	590.00	734.00
QPD01008	591.00	474.00
QPD01008	592.00	169.00
QPD01008	593.00	1166.00
QPD01008	594.00	1828.00
QPD01008	595.00	559.00
QPD01008	596.00	257.00
QPD01008	597.00	374.00
QPD01008	598.00	716.00
QPD01008	599.00	446.00
QPD01008	600.00	969.00
QPD01008	601.00	262.00
QPD01008	602.00	2957.00
QPD01008	603.00	199.00
QPD01008	604.00	428.00
QPD01008	605.00	110.00
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QPD01008	607.00	428.00
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QPD01008	610.00	70.00
QPD01008	611.00	0.00
QPD01008	612.00	2.00
QPD01008	613.00	5.00
QPD01008	614.00	203.00
QPD01008	615.00	0.00
QPD01008	616.00	1.00
QPD01008	617.00	253.00
QPD01008	618.00	3.00
QPD01008	619.00	0.00
QPD01008	620.00	0.00
QPD01008	621.00	173.00

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QPD01008	624.00	0.00
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QPD01008	626.00	0.00
QPD01008	627.00	0.00
QPD01008	628.00	0.00
QPD01008	629.00	2.00
QPD01008	630.00	0.00
QPD01008	631.00	0.00
QPD01008	632.00	19.00
QPD01008	633.00	52.00
QPD01008	634.00	0.00
QPD01008	635.00	0.00
QPD01008	636.00	87.00
QPD01008	637.00	1.00
QPD01008	638.00	0.00
QPD01008	639.00	0.00
QPD01008	640.00	1.00
QPD01008	641.00	0.00
QPD01008	642.00	0.00
QPD01008	643.00	288.00
QPD01008	644.00	0.00
QPD01008	645.00	1.00
QPD01008	646.00	0.00
QPD01008	647.00	264.00
QPD01008	648.00	305.00

RQD

<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>WIDTH</i>	<i>RQD (m)</i>	<i>RQD (%)</i>	<i>NOTES</i>
QPD01008	1.80	3.00	1.20	0.90	0.75	
QPD01008	3.00	6.00	3.00	2.20	0.73	
QPD01008	6.00	9.00	3.00	1.74	0.58	
QPD01008	9.00	12.00	3.00	2.76	0.92	
QPD01008	12.00	15.00	3.00	2.57	0.86	
QPD01008	15.00	18.00	3.00	2.58	0.86	
QPD01008	18.00	21.00	3.00	2.53	0.84	
QPD01008	21.00	24.00	3.00	0.00	0.00	
QPD01008	24.00	27.00	3.00	2.62	0.87	
QPD01008	27.00	30.00	3.00	2.35	0.78	
QPD01008	30.00	33.00	3.00	1.40	0.47	
QPD01008	33.00	36.00	3.00	2.42	0.81	
QPD01008	36.00	39.00	3.00	2.71	0.90	
QPD01008	39.00	42.00	3.00	1.88	0.63	
QPD01008	42.00	45.00	3.00	2.33	0.78	
QPD01008	45.00	48.00	3.00	3.00	1.00	
QPD01008	48.00	51.00	3.00	2.70	0.90	
QPD01008	51.00	54.00	3.00	2.72	0.91	
QPD01008	54.00	57.00	3.00	2.93	0.98	
QPD01008	57.00	60.00	3.00	2.75	0.92	
QPD01008	60.00	63.00	3.00	2.90	0.97	
QPD01008	63.00	66.00	3.00	1.57	0.52	
QPD01008	66.00	69.00	3.00	3.00	1.00	
QPD01008	69.00	72.00	3.00	2.70	0.90	
QPD01008	72.00	75.00	3.00	2.30	0.77	
QPD01008	75.00	78.00	3.00	2.91	0.97	
QPD01008	78.00	81.00	3.00	2.30	0.77	
QPD01008	81.00	84.00	3.00	3.00	1.00	
QPD01008	84.00	87.00	3.00	2.85	0.95	
QPD01008	87.00	90.00	3.00	2.75	0.92	
QPD01008	90.00	93.00	3.00	2.80	0.93	
QPD01008	93.00	96.00	3.00	1.94	0.65	
QPD01008	96.00	99.00	3.00	2.95	0.98	
QPD01008	99.00	102.00	3.00	2.64	0.88	
QPD01008	102.00	105.00	3.00	2.69	0.90	
QPD01008	105.00	108.00	3.00	2.20	0.73	
QPD01008	108.00	111.00	3.00	2.91	0.97	
QPD01008	111.00	114.00	3.00	2.72	0.91	
QPD01008	114.00	117.00	3.00	2.75	0.92	

QPD01008	117.00	120.00	3.00	2.95	0.98
QPD01008	120.00	123.00	3.00	2.88	0.96
QPD01008	123.00	126.00	3.00	2.75	0.92
QPD01008	126.00	129.00	3.00	3.00	1.00
QPD01008	129.00	132.00	3.00	2.70	0.90
QPD01008	132.00	135.00	3.00	3.00	1.00
QPD01008	135.00	138.00	3.00	3.00	1.00
QPD01008	138.00	141.00	3.00	2.80	0.93
QPD01008	141.00	144.00	3.00	2.50	0.83
QPD01008	144.00	147.00	3.00	2.83	0.94
QPD01008	147.00	150.00	3.00	2.91	0.97
QPD01008	150.00	153.00	3.00	2.88	0.96
QPD01008	153.00	156.00	3.00	2.85	0.95
QPD01008	156.00	159.00	3.00	2.32	0.77
QPD01008	159.00	162.00	3.00	2.45	0.82
QPD01008	162.00	165.00	3.00	1.50	0.50
QPD01008	165.00	168.00	3.00	2.75	0.92
QPD01008	168.00	171.00	3.00	2.27	0.76
QPD01008	171.00	174.00	3.00	2.68	0.89
QPD01008	174.00	177.00	3.00	2.85	0.95
QPD01008	177.00	180.00	3.00	2.65	0.88
QPD01008	180.00	183.00	3.00	1.50	0.50
QPD01008	183.00	186.00	3.00	2.86	0.95
QPD01008	186.00	189.00	3.00	2.88	0.96
QPD01008	189.00	192.00	3.00	2.76	0.92
QPD01008	192.00	195.00	3.00	2.80	0.93
QPD01008	195.00	198.00	3.00	2.76	0.92
QPD01008	198.00	201.00	3.00	3.00	1.00
QPD01008	201.00	204.00	3.00	3.00	1.00
QPD01008	204.00	207.00	3.00	2.74	0.91
QPD01008	207.00	210.00	3.00	2.84	0.95
QPD01008	210.00	213.00	3.00	3.00	1.00
QPD01008	213.00	216.00	3.00	3.00	1.00
QPD01008	216.00	219.00	3.00	3.00	1.00
QPD01008	219.00	222.00	3.00	2.90	0.97
QPD01008	222.00	225.00	3.00	2.90	0.97
QPD01008	225.00	228.00	3.00	2.94	0.98
QPD01008	228.00	231.00	3.00	2.85	0.95
QPD01008	231.00	234.00	3.00	2.95	0.98
QPD01008	234.00	237.00	3.00	3.00	1.00
QPD01008	237.00	240.00	3.00	2.90	0.97

QPD01008	240.00	243.00	3.00	2.91	0.97
QPD01008	243.00	246.00	3.00	3.00	1.00
QPD01008	246.00	249.00	3.00	2.81	0.94
QPD01008	249.00	252.00	3.00	2.92	0.97
QPD01008	252.00	255.00	3.00	2.90	0.97
QPD01008	255.00	258.00	3.00	3.00	1.00
QPD01008	258.00	261.00	3.00	3.00	1.00
QPD01008	261.00	264.00	3.00	3.00	1.00
QPD01008	264.00	267.00	3.00	3.00	1.00
QPD01008	267.00	270.00	3.00	3.00	1.00
QPD01008	270.00	273.00	3.00	2.95	0.98
QPD01008	273.00	276.00	3.00	2.97	0.99
QPD01008	276.00	279.00	3.00	2.95	0.98
QPD01008	279.00	282.00	3.00	2.93	0.98
QPD01008	282.00	285.00	3.00	2.95	0.98
QPD01008	285.00	288.00	3.00	2.95	0.98
QPD01008	288.00	291.00	3.00	3.00	1.00
QPD01008	291.00	294.00	3.00	3.00	1.00
QPD01008	294.00	297.00	3.00	2.85	0.95
QPD01008	297.00	300.00	3.00	3.00	1.00
QPD01008	300.00	303.00	3.00	2.97	0.99
QPD01008	303.00	306.00	3.00	2.93	0.98
QPD01008	306.00	309.00	3.00	2.97	0.99
QPD01008	309.00	312.00	3.00	2.97	0.99
QPD01008	312.00	315.00	3.00	2.95	0.98
QPD01008	315.00	318.00	3.00	2.90	0.97
QPD01008	318.00	321.00	3.00	3.00	1.00
QPD01008	321.00	324.00	3.00	2.96	0.99
QPD01008	324.00	327.00	3.00	2.97	0.99
QPD01008	327.00	330.00	3.00	2.97	0.99
QPD01008	330.00	333.00	3.00	2.97	0.99
QPD01008	333.00	336.00	3.00	2.96	0.99
QPD01008	336.00	339.00	3.00	2.94	0.98
QPD01008	339.00	342.00	3.00	2.90	0.97
QPD01008	342.00	345.00	3.00	2.95	0.98
QPD01008	345.00	348.00	3.00	3.00	1.00
QPD01008	348.00	351.00	3.00	3.00	1.00
QPD01008	351.00	354.00	3.00	3.00	1.00
QPD01008	354.00	357.00	3.00	3.00	1.00
QPD01008	357.00	360.00	3.00	3.00	1.00
QPD01008	360.00	363.00	3.00	3.00	1.00

QPD01008	363.00	366.00	3.00	2.93	0.98
QPD01008	366.00	369.00	3.00	2.90	0.97
QPD01008	369.00	372.00	3.00	3.00	1.00
QPD01008	372.00	375.00	3.00	2.97	0.99
QPD01008	375.00	378.00	3.00	3.00	1.00
QPD01008	378.00	381.00	3.00	3.00	1.00
QPD01008	381.00	384.00	3.00	3.00	1.00
QPD01008	384.00	387.00	3.00	3.00	1.00
QPD01008	387.00	390.00	3.00	3.00	1.00
QPD01008	390.00	393.00	3.00	3.00	1.00
QPD01008	393.00	396.00	3.00	3.00	1.00
QPD01008	396.00	399.00	3.00	3.00	1.00
QPD01008	399.00	402.00	3.00	3.00	1.00
QPD01008	402.00	405.00	3.00	3.00	1.00
QPD01008	405.00	408.00	3.00	3.00	1.00
QPD01008	408.00	411.00	3.00	3.00	1.00
QPD01008	411.00	414.00	3.00	3.00	1.00
QPD01008	414.00	417.00	3.00	3.00	1.00
QPD01008	417.00	420.00	3.00	3.00	1.00
QPD01008	420.00	423.00	3.00	3.00	1.00
QPD01008	423.00	426.00	3.00	2.97	0.99
QPD01008	426.00	429.00	3.00	3.00	1.00
QPD01008	429.00	432.00	3.00	3.00	1.00
QPD01008	432.00	435.00	3.00	3.00	1.00
QPD01008	435.00	438.00	3.00	3.00	1.00
QPD01008	438.00	441.00	3.00	3.00	1.00
QPD01008	441.00	444.00	3.00	3.00	1.00
QPD01008	444.00	447.00	3.00	3.00	1.00
QPD01008	447.00	450.00	3.00	3.00	1.00
QPD01008	450.00	453.00	3.00	3.00	1.00
QPD01008	453.00	456.00	3.00	3.00	1.00
QPD01008	456.00	459.00	3.00	3.00	1.00
QPD01008	459.00	462.00	3.00	3.00	1.00
QPD01008	462.00	465.00	3.00	3.00	1.00
QPD01008	465.00	468.00	3.00	3.00	1.00
QPD01008	468.00	471.00	3.00	3.00	1.00
QPD01008	471.00	474.00	3.00	3.00	1.00
QPD01008	474.00	477.00	3.00	3.00	1.00
QPD01008	477.00	480.00	3.00	3.00	1.00
QPD01008	480.00	483.00	3.00	3.00	1.00
QPD01008	483.00	486.00	3.00	3.00	1.00

QPD01008	486.00	489.00	3.00	3.00	1.00
QPD01008	489.00	492.00	3.00	3.00	1.00
QPD01008	492.00	495.00	3.00	3.00	1.00
QPD01008	495.00	498.00	3.00	3.00	1.00
QPD01008	498.00	501.00	3.00	3.00	1.00
QPD01008	501.00	504.00	3.00	3.00	1.00
QPD01008	504.00	507.00	3.00	3.00	1.00
QPD01008	507.00	510.00	3.00	3.00	1.00
QPD01008	510.00	513.00	3.00	3.00	1.00
QPD01008	513.00	516.00	3.00	3.00	1.00
QPD01008	516.00	519.00	3.00	3.00	1.00
QPD01008	519.00	522.00	3.00	3.00	1.00
QPD01008	522.00	525.00	3.00	3.00	1.00
QPD01008	525.00	528.00	3.00	2.62	0.87
QPD01008	528.00	531.00	3.00	3.00	1.00
QPD01008	531.00	534.00	3.00	3.00	1.00
QPD01008	534.00	537.00	3.00	3.00	1.00
QPD01008	537.00	540.00	3.00	3.00	1.00
QPD01008	540.00	543.00	3.00	3.00	1.00
QPD01008	543.00	546.00	3.00	3.00	1.00
QPD01008	546.00	549.00	3.00	3.00	1.00
QPD01008	549.00	552.00	3.00	3.00	1.00
QPD01008	552.00	555.00	3.00	3.00	1.00
QPD01008	555.00	558.00	3.00	3.00	1.00
QPD01008	558.00	561.00	3.00	3.00	1.00
QPD01008	561.00	564.00	3.00	3.00	1.00
QPD01008	564.00	567.00	3.00	2.94	0.98
QPD01008	567.00	570.00	3.00	3.00	1.00
QPD01008	570.00	573.00	3.00	3.00	1.00
QPD01008	573.00	576.00	3.00	3.00	1.00
QPD01008	576.00	579.00	3.00	3.00	1.00
QPD01008	579.00	582.00	3.00	3.00	1.00
QPD01008	582.00	585.00	3.00	2.95	0.98
QPD01008	585.00	588.00	3.00	3.00	1.00
QPD01008	588.00	591.00	3.00	3.00	1.00
QPD01008	591.00	594.00	3.00	3.00	1.00
QPD01008	594.00	597.00	3.00	2.93	0.98
QPD01008	597.00	600.00	3.00	2.90	0.97
QPD01008	600.00	603.00	3.00	2.44	0.81
QPD01008	603.00	606.00	3.00	2.90	0.97
QPD01008	606.00	609.00	3.00	2.90	0.97

QPD01008	609.00	612.00	3.00	3.00	1.00
QPD01008	612.00	615.00	3.00	2.28	0.76
QPD01008	615.00	618.00	3.00	2.72	0.91
QPD01008	618.00	621.00	3.00	2.95	0.98
QPD01008	621.00	624.00	3.00	3.00	1.00
QPD01008	624.00	627.00	3.00	2.77	0.92
QPD01008	627.00	630.00	3.00	2.75	0.92
QPD01008	630.00	633.00	3.00	2.80	0.93
QPD01008	633.00	636.00	3.00	3.00	1.00
QPD01008	636.00	639.00	3.00	2.90	0.97
QPD01008	639.00	642.00	3.00	2.93	0.98
QPD01008	642.00	645.00	3.00	3.00	1.00
QPD01008	645.00	648.00	3.00	3.00	1.00

DRILL LOG QPD01009

ZONE:	ANOMALY A-14	EASTING UTM:	667306.33	DDH STARTED:	7/5/01
SITE:	LAND	NORTHING UTM:	6314193.47	DDH FINISHED:	7/7/01
ORIENTATED:	Yes	ELEVATION (m):	388.76	GEOLOGIST 1:	L.FONTAINE-GEARY
GEOTECH:	Yes	BEARING:	270	GEOLOGIST 2:	GLEN BROWN
CASING (m):	1.90	DIP:	-80.00	LOG COMPLETED:	7/12/01
		LENGTH (m):	183.00		
		SURVEY STATUS:	GPS-A		

SUMMARY

Collared within quartz rich gabbro. Q-fld blebs (1-2cm diam) comprise 2% of rock, and an interval of 5% of the gabbro. Probable evidence for country rock assimilation.

Trace sulphides through gabbro, with 9% suls from 46.72-46.9m (5% spo, 3% scp, 1% se).

Narrow zone up-hole within gabbro proper between 18.71-18.89m of 12% spo, 1.5% scp, and 1% se.

Footwall contact faulted (46.9-48.3m), with associated serpentinitisation of cpx's towards fault zone. On footwall side of fault the gabbro is assimilated with granite and is heavily amphibolised.

Beyond assimilated zone. core is monotonous paragneiss with varying amounts of quartz, biotite and feldspar. Paragneiss is intruded (local melts?) by white granite/pegmatite through out.

Await assays (as at 15 July 2001)

DHEM completed and shows conductor 80m away from hole. Modelling not completed.

Nothing in core, in footwall at least, to explain conductor. Possible thickening of contact sulphides away from hole??

Recommendations: depending on size of conductor modelled from the DHEM, a world class ore-body is not considered a real possibility given the small intersection of sulphides at the footwall contact (although faulted).

Reassess target when assays returned and DHEM modelling done.

DRILL LOG: QPD01009

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT				
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip
0.00	1.90	UG		100				0						Irr				I

1.90	7.25	Mgb		100				0						Irr				I
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Quartz rich gabbro. Assimilated gneiss components? Occasional q-fld crystalline blebs (1-3cm; 2% of rocks) and q-fld pegmatitic veins mixed with gabbro (local meltys? assimilated gneiss pieces re-melted?). Plag's commonly white but interval characterised by pinky crystals also. Possible very weak sub-surface weathering, however see same feature towards faulted contact down-hole.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
1.90	7.25	2	sg			1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
1.90	7.25	mb	10	fk				2.00	d	br	1	
1.90	7.25	fp	20	su	sb			2.00	p	pi	1	pinky fids's. Plag commonly white
1.90	7.25	q	30	an				2.00	p	gy	1	
1.90	7.25	pc	40	an				2.00		gn	1	

SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
1.90	7.25	se	0.01	ds				1.00	internal to pyrrhotite
1.90	7.25	spo	0.10	ds	by			1.00	rare clots of dissem sul

7.25	7.58	Fn		90				Mgb	10	j2			Irr				P
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clasts of fine-grained quartz-pink fld with amphibole-chlorite rims. matrix is amphibolised gabbro, q-plag crystalline bleb mix.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
7.25	7.58	2				1	
7.25	7.58	2				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
7.25	7.58	a	2	lh				2.00	d	gn	1	
7.25	7.58	f	13	an				2.00	l	pi	1	
7.25	7.58	q	85	xn				2.00		clr	1	

ALTERATION MIN.		Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Notes
7.25	7.58	c	2	ri						gn	

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT						
		Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir	
7.25	7.58	a	2	ri				d	gn											rims fg clasts, and dominant in matrix between

7.58 48.44 Mgb 100 0 Irr P

Homogeneous gabbro interval. Trace sul (disseminated blebs and round blebs occasional, slight variation in abundance). Rock is characterised by q-plag crystalline clots throughout, with varying abundance (21.75-29.2m, and from 39m most abundant-approx. 5% of rock, from 29.2-35.6m) rare pegmatitic veins of q-plag-mix with gabbro (local melts??). Quartz clasts (angular-subangular) with amp-chl rims (3mm) occasional from 35.6m (about 3% of rock). Lower contact is faulted with cpx's becoming serpentinised towards fault zone.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
7.58	46.00	2	sg			1	
46.72	47.85	4				1	large plag grains
47.85	48.44	2				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
7.58	18.71	q	30	an				2.00	p	gy	1	
7.58	18.71	fp	20	su	sb			2.00		wh	1	
7.58	18.71	mb	10	fk				2.00	d	br	1	
7.58	18.71	pc	39	an				2.00	d	gn	1	
18.71	18.89	pc	15	an				2.00	d	gn	1	
18.71	18.89	q	10	an				2.00	p	gy	1	
18.71	18.89	fp	15	su	sb			2.00		wh	1	
18.71	18.89	a	25	su	og			2.00	d	gn	1	alteration
18.71	18.89	mb	5	fk				2.00	d	br	1	
18.89	35.60	pc	39	an				2.00	d	gn	1	
18.89	35.60	q	30	an				2.00	p	gy	1	
18.89	35.60	fp	20	su	sb			2.00		wh	1	slightly less fp (few %) from 35.6-36, 37.9-38.7m)
18.89	43.00	mb	10	fk				2.00	d	br	1	
43.00	44.42	mb	10	fk				2.00	d	br	1	
43.00	44.42	pc	40	an				2.00	d	gn	1	
43.00	44.42	fp	20	an				2.00		wh	1	weak pink colouring of some crystals, less euhedral form of plag, and pink colour indicates some degree of melting
43.00	44.42	q	30	an				2.00	p	gy	1	
44.42	46.20	xm	1	ri				1.00		bk	1	assoc with serp, and rimming it
44.42	46.20	pc	36	an				2.00	d	gn	1	
44.42	46.20	q	30	an				2.00	p	gy	1	
44.42	46.20	fp	20	an				2.00	p	gy	1	also common pinky colouration

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT								
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
44.42	46.20	mb	10	fk				2.00	d	br	1											
44.42	46.20	r	3	an				2.00		bk	1											
46.20	47.85	xm	1	an				1.00		bk	1											assoc. with serp
46.20	47.85	c	4	am				1.00		gn	1											
46.20	47.85	xx	5	am				2.00	d	rd	1											soft, some form of iron oxide? See similar thing occ. associated with \$ ultramafic at Leinster
46.20	47.85	fp	70	su	ta	tw		4.00		gy	1											
46.20	47.85	r	20	ar	ig			3.00		bk	1											
47.85	48.44	c	10	am				1.00		gn	1											
47.85	48.44	fp	70	sb				2.00	m	gy	1											
47.85	48.44	r	10	an				2.00		bk	1											
ALTERATION MIN.		Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone		Colour	Notes										
18.71	18.89	a	2	og					d	gn												
44.42	46.20	r	1	og	an					bk		magnetite partial rims; replacing pc, and abundant adjacent to chlorite rich fractures (0.5-1cm thick)										
46.20	47.85	c	2	in					d	gn		fills fractures										
46.20	48.44	r	3	ar	ig					bk		replacing pc, intergrowth to plag blades										
47.85	48.30	c	3	og						gn		friable fault zone with chlorite alt.										
SULPHIDES		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone		Colour	Notes										
7.58	16.42	se	0.01	ds				1.00				within pyrrhotite										
7.58	16.42	spo	0.10	ds	by	ru		2.00				rare; occurs as clots of dissem suls, and round blebs										
16.42	18.71	spo	0.15	ds	by	ru		2.00				slightly more common; occurs as clots of dissem suls, and round blebs										
16.42	18.71	se	0.01	ds				1.00				within spo										
18.71	18.89	spo	12.00	ms	by			2.00				massive stringers at margins of interval; and small blebs										
18.71	18.89	scp	1.50	by	ig			2.00				along spo fractures and as small blebs. Assoc. with spo on contacts of interval.										
18.71	18.89	se	1.00	ds				1.00				within spo										
18.89	19.67	spo	0.10	by	ru			2.00				rare round blebs										
18.89	19.67	se	0.01	ds				1.00				within spo										
19.67	20.95	spo	0.50	by	ru			3.00				round blebs										
19.67	20.95	se	0.20	ds				1.00				within spo										
20.95	23.22	se	0.01	ds				1.00				within spo										

FROM	TO	ROCK 1								ROCK 2				COLOUR		UPPER CONTACT				
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
<i>MINERALOGY</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>	<i>Notes</i>								
48.44	49.15	fp	22	sb				2.00		gy	1									
48.44	49.15	r	10	an				2.00		bk	1									
48.44	49.15	pc	10	an				2.00		gn	1									
48.44	49.15	f	5	an				3.00		pi	1									
48.44	49.15	q	45	an				2.00		gy	1									
49.15	49.90	r	5	an				2.00		bk	1									
49.15	49.90	q	35	an				2.00		gy	1									
49.15	49.90	pc	25	an				2.00		gn	1									
49.15	49.90	fp	20	an				2.00		gy	1									
49.90	54.54	q	25	an				2.00	p	gy	1									
49.90	54.54	fp	20	an				2.00		wh	1									
49.90	54.54	mb	5	fk				2.00	d	br	1									
49.90	54.54	a	45	an				2.00	d	gn	1									
54.54	55.78	f	7	an				3.00		pi	1									
54.54	55.78	a	36	an				2.00	d	gn	1									
54.54	55.78	q	25	an				2.00	p	gy	1									
54.54	55.78	fp	20	an				2.00		wh	1									
54.54	55.78	mb	5	fk				2.00	d	br	1									
<i>ALTERATION MIN.</i>		<i>Min</i>	<i>Inten</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr.Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Notes</i>									
48.44	49.15	r	2	an						bk										
49.15	49.90	r	1	an						bk										
49.90	55.78	a	3	og	an				d	gn										
<i>SULPHIDES</i>		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Notes</i>											
48.44	49.37	scp	1.50	kd	ri			2.00	assoc with spo, clustered on rims											
48.44	49.37	se	0.50	ds				1.00	within spo											
48.44	49.37	spo	5.50	by	ru			3.00	many rounded blebs, also commonly fine-grained											
49.37	49.65	spo	9.00	by	bl			3.00	blebs clustered into bands aligned with rock foliation											
49.37	49.65	scp	0.50	by	ri			2.00	small blebs on rims of spo											
49.37	49.65	se	0.50	ds				1.00	within spo											
49.65	49.81	spo	2.00	ds				2.00	dissem through rock between spy bands											

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT							
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
49.65	49.81	spy	15.00	ba	su				3.00												0.5cm bands of subhedral crystals
49.81	50.28	scp	1.00	by	ri				2.00												clustered on margins of spo
49.81	50.28	spo	4.00	by					2.00												
50.28	52.05	spo	2.00	ds	by				1.00												mostly dissem, some fine-grained rounded blebs
50.28	52.05	scp	1.00	ds	ri				2.00												clustered on spo margins and dissem through rock. Higher scp/spo at previous occurrences up-hole
52.05	54.54	spo	0.80	ds					1.00												
52.05	54.54	scp	0.20	ds					1.00												
54.54	55.78	scp	2.00	by	ri				2.00												aggregates on rim of spo
54.54	55.78	spo	5.00	by	kd				3.00												blebs clustered with granitic rich intervals

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
49.50	50.50	fn	2		G	-38	206	
51.50	52.50	fn	2		G	-22	170	
53.50	54.50	fn	2		G	-55	84	

55.78 60.15 Fg 100 0 Irr I

undeformed. From 55.78-56.47 assimilation of some amphibolised/granitised gabbro. Strong chemical mixing with granite proper. Difficult to work out separate percentages of gabbro and granite. Still see spo in this mixed zone, and spc becomes more dominant sulphide into granite proper (56.47-57.91m). Local pegmatitic interval from 59.07-59.25m

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
55.78	59.07	3			1	
59.07	59.25	5	eq		1	pegmatitic interval
59.25	60.15	3			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
55.78	55.93	xm	5	fk			2.00	d	br	1	
55.78	55.93	a	10	an			2.00	d	gn	1	
55.78	55.93	f	18	an			3.00		pi	1	
55.78	55.93	fp	18	an			2.00		wh	1	
55.78	55.93	q	40	an			2.00	p	gy	1	
55.93	56.47	mb	7	fk			2.00	d	br	1	
55.93	56.47	a	10	an			2.00	d	gn	1	
55.93	56.47	fp	20	an			2.00		wh	1	
55.93	56.47	f	20	an			3.00		pi	1	
55.93	56.47	q	40	an			2.00	p	gy	1	

FROM	TO	ROCK 1						ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

56.47	60.15	mb	10	fk			2.00	d	br	1											
56.47	60.15	f	25	an			2.00		wh	1											
56.47	60.15	fp	25	an			2.00		pi	1											
56.47	60.15	q	40	an			2.00	l	gy	1											

ALTERATION MIN. *Min* *Inten* *Att 1* *Att 2* *Att 3* *Att 4* *Gr.Size* *Tone* *Colour* *Notes*

55.78	56.47	a	1	og				d	gn												alteration of gabbro assimilated into granite
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SULPHIDES *Min* *%* *Att 1* *Att 2* *Att 3* *Att 4* *Gr. Size* *Notes*

55.78	55.93	scp	2.00	by	ri			2.00													aggregated at spo margins
55.78	55.93	spo	7.00	by	kd	ir		3.00													clustered irregular shaped blebs
55.93	56.47	scp	0.50	by	ri			2.00													
55.93	56.47	spo	2.00	by	ru			3.00													
56.47	56.91	spo	0.20	by				2.00													
56.47	56.91	scp	1.00	by	ru			2.00													

SUB UNITS *Rock Type* *Gr. Size* *Txt 1* *Txt 2* *Min 1* *Att 1* *Min 1* *Att 2* *Min 3* *Att 3* *Min 4* *Att 4* *Tone* *Colour* *Notes*

59.07	59.25	gF	5	eq		fk	su	q	in	f	ri	mb	ri									very coarse subhedral Na-feldspars rimmed with fine-grained pink K-fld and biotite. Large quartz crystals fill intergranular space of Na-fld
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60.15	61.70	Mgb				90			gF		10		f					lrr		l	
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Amphibolised gabbro (possible with granitic injections and 1-2cm blobs). Granitic injection intervals well defined compared with mixed unit described up-hole. Possible assimilation of paragneiss also. Rare fine-grained spo through rock, more abundant from 61.4m

TEXTURES *Gr. Size* *Txt 1* *Txt 2* *Txt 3* *Rock No* *Notes*

60.15	61.70	3				2															
60.15	61.70	2				1															

MINERALOGY *Min* *%* *Att 1* *Att 2* *Att 3* *Att 4* *Gr.Size* *Tone* *Colour* *Rock No* *Notes*

60.15	61.70	a	10	lh			2.00	d	gn	2											
60.15	61.70	q	15	an			2.00	p	gy	2											
60.15	61.70	f	25	an			2.00		pi	2											
60.15	61.70	fk	40	an			3.00		pi	2											
60.15	61.70	mb	10	fk			2.00	d	br	1											
60.15	61.70	pc	15	an			2.00		wh	1											
60.15	61.70	q	25	an			2.00	l	gy	1											

FROM	TO	ROCK 1								ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2			%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

60.15	61.70	a	50	an				2.00	d	gn	1												
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ALTERATION MIN. *Min Inten Att 1 Att 2 Att 3 Att 4 Gr.Size Tone Colour* *Notes*

60.15	61.70	a	3	an					d	gn													
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SULPHIDES *Min % Att 1 Att 2 Att 3 Att 4 Gr. Size* *Notes*

61.40	61.70	scp	0.20	ds				1.00															assoc with spo
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61.40	61.70	spo	2.00	ds				1.00															isolated 1cm vein of clustered spo(+scp) blebs @ 61.47m
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STRUCTURE *Type 1 Type 2 Intensity* *CA Qual Dip Dip/Dir* *Notes*

61.00	61.70	fn		2					G		-65	40											
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61.70	63.03	aR^g						100					0					Shp		G		-35	25
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Minor amphibolised gabbroic assimilated at top of unit.

Biotite rich paragneiss with plag-q crystalline cm scale intervals (approx 20% of rock) (local melts of more felsic primary layers??). Cm scale amph-chl rich layers towards granite down-hole

TEXTURES *Gr. Size Txt 1 Txt 2 Txt 3 Rock No* *Notes*

61.70	63.03	2	ld				1																
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ALTERATION MIN. *Min Inten Att 1 Att 2 Att 3 Att 4 Gr.Size Tone Colour* *Notes*

62.38	63.03	c	2	an																			
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62.38	63.03	a	3	an																			fine-grained cm scale layers towards granite. Also q-fld in layers.
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63.03	63.54	Fg						100					0					Irr		G			
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undeformed

TEXTURES *Gr. Size Txt 1 Txt 2 Txt 3 Rock No* *Notes*

63.03	63.54	3					1																
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MINERALOGY *Min % Att 1 Att 2 Att 3 Att 4 Gr.Size Tone Colour Rock No* *Notes*

63.03	63.54	f	5	an				2.00		pi	1												
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63.03	63.54	mb	15	fk				2.00	d	br	1												
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63.03	63.54	q	30	an				3.00		clr	1												
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63.03	63.54	fk	50	an				3.00		wh	1												
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63.54	63.83	Fg						100					0					Irr		G			
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dirty granite (amphibolised). although contact irregular granite above has intruded at an angle to this one.

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

TEXTURES *Gr. Size Txt 1 Txt 2 Txt 3 Rock No* *Notes*

63.54 63.83 2 1

MINERALOGY *Min % Att 1 Att 2 Att 3 Att 4 Gr.Size Tone C Colour Rock No* *Notes*

63.54 63.83 mb 10 fk 2.00 d br 1
 63.54 63.83 q 30 an 2.00 p gy 1
 63.54 63.83 a 25 an 2.00 d gn 1
 63.54 63.83 f 34 su 3.00 wh 1

ALTERATION MIN. *Min Inten Att 1 Att 2 Att 3 Att 4 Gr.Size Tone Colour* *Notes*

63.54 63.83 a 2 an d gn

SULPHIDES *Min % Att 1 Att 2 Att 3 Att 4 Gr. Size* *Notes*

63.54 63.84 spo 1.00 ds 1.00

63.83 64.52 y aR 80 gF 20 Shp G -60 70

possibly amphibolised gabbro?

TEXTURES *Gr. Size Txt 1 Txt 2 Txt 3 Rock No* *Notes*

63.84 64.52 3 2
 63.84 64.52 2 1

MINERALOGY *Min % Att 1 Att 2 Att 3 Att 4 Gr.Size Tone C Colour Rock No* *Notes*

63.83 64.52 ee 10 an 2.00 gn 2
 63.83 64.52 f 10 an 2.00 pi 2
 63.83 64.52 q 70 ms 3.00 p gy 2
 63.83 64.52 f 13 an 2.00 gy 1
 63.83 64.52 mb 15 fk 2.00 d br 1
 63.83 64.52 q 25 an 2.00 gy 1
 63.83 64.52 a 40 an 2.00 gn 1

ALTERATION MIN. *Min Inten Att 1 Att 2 Att 3 Att 4 Gr.Size Tone Colour* *Notes*

63.83 64.52 a 3 an d gn

SULPHIDES *Min % Att 1 Att 2 Att 3 Att 4 Gr. Size* *Notes*

63.83 64.52 scp 1.00 ds 1.00 assoc with spo
 63.83 64.52 spo 6.00 ds lm 1.00 lamellae of dissem spo

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT			
Ore	Rock type 1	%	Pre	Sufx 1	Sufx 2	Rock type 2	%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

64.52	64.79	Fg				100								Shp		G	-60	15
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dirty granite (amphibolised) like interval above. More spo

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
64.52	64.79	2			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
64.52	64.79	mb	10	fk				d	br	1	
64.52	64.79	a	17	an			2.00	d	gn	1	
64.52	64.79	f	35	an			2.00		wh	1	
64.52	64.79	q	35	an			2.00	p	gy	1	

ALTERATION MIN.	Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Notes
64.52	64.79	a	2	an				d	gn	

SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
64.52	64.79	spo	3.00	ds			1.00	

64.79	65.65	y	R^gqfj			100							Gr		P		
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Amphibolised granite with varying sulphide abundances. Quartz veins with spo and amphibole are layer parallel. Sampling excludes 1xq vein >10cm thick (64.94-65.05m). Others are lumped into amphibolised granitic gneiss samples. 30% spo zone from 65.25-65.4m has a local steep fol towards 15% spo zone down-hole

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
64.79	65.65	2			1	

MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
64.79	65.25	mb	10	fk			2.00	d	br	1	
64.79	65.25	f	15	an			2.00	l	gy	1	
64.79	65.25	q	30	an			2.00		gy	1	
64.79	65.25	a	35	an			2.00	d	gn	1	
65.25	65.40	mb	5	fk			2.00	d	br	1	
65.25	65.40	a	25	an			2.00	d	gn	1	
65.25	65.40	q	40	an			2.00		gy	1	
65.40	65.65	f	10	an			2.00		gy	1	
65.40	65.65	a	25	an			2.00	d	gn	1	
65.40	65.65	q	50	an			2.00		gy	1	

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT					
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

ALTERATION MIN.	Min	Inten	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Notes
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64.79	65.65	a	3	an				d	gn	
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SULPHIDES	Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Notes
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64.79	64.94	scp	0.20	ds			1.00	assoc. with spo
64.79	64.94	spo	9.80	ds			1.00	
64.94	65.05	scp	0.20	by			1.00	with spo
64.94	65.05	spo	4.80	by			2.00	within q vein
65.05	65.24	scp	0.20	ds			1.00	with spo
65.05	65.24	spo	9.80	ds	by	kd	1.00	clustered into rough layers
65.25	65.40	scp	1.00	ds			1.00	
65.25	65.40	spo	30.00	ne			2.00	
65.40	65.65	scp	0.50	ds			1.00	with spo
65.40	65.65	spo	14.50	ds	lm		1.00	lamellae of dissem spo

STRUCTURE	Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
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65.30	65.50	fn	2		G	-80	70	local steepening of fol. Normally -60 towards 070.
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VEINS	Min	Acc 1	Acc 2	Type 1	Type 2	%	Width	CA	Qual	Dip	Dip/Dir	Notes
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64.79	65.65	q		si		15.00	0.00		G	-60	70	masive quartz
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65.65	65.85	aR^g			100					0		Shp	G	-60	70
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banded paragneiss. Layers defined by q-fld rich and amph rich mm-cm scale bands.

TEXTURES	Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
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65.65	65.85	2	ba		1	biotite rich and quart rich cm bands
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MINERALOGY	Min	%	Att 1	Att 2	Att 3	Att 4	Gr.Size	Tone	Colour	Rock No	Notes
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65.65	65.85	a	10	an			2.00	d	gn	1	
65.65	65.85	mb	25	pt			2.00	d	br	1	
65.65	65.85	f	35	an			2.00		wh	1	
65.65	65.85	q	30	an			2.00	l	gy	1	

65.85	66.80	gF			100					0		Shp	G	-60	70
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Undeformed pegmatite

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT					
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No		Notes												
65.85	66.80	5				1		slightly myrmakitic at up-hole contact												
MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes								
65.85	66.80	mb	5	bl				5.00	d	br	1	mostly constrained to central part of peg.								
65.85	66.80	f	5	ri				3.00		pi	1									
65.85	66.80	q	15	an				4.00		clr	1									
65.85	66.80	fk	75	su				5.00		wh	1									

66.80 94.80 aR^g 94 Fg 6 Shp G -44 70

Paragneiss unit with white granitic intervals.
 The paragneiss itself varies in composition between quite amphibolised to more felsic and layered felsic/mafic. Sub-units record this

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes								
66.80	68.90	f	25	an				2.00		wh	1									
66.80	68.90	a	25	an				2.00	d	gn	1									
66.80	68.90	mb	10	pt				2.00	d	br	1									
66.80	68.90	q	40	an				2.00	p	gy	1									
68.90	70.16	a	50	su				2.00	d	gn	1									
68.90	70.16	q	30	an				2.00	p	gy	1									
68.90	70.16	f	15	an				2.00	l	gy	1									
68.90	70.16	ba	5	fk				2.00	d	br	1									
70.16	71.05	a	5	an				2.00	d	gn	1									
70.16	71.05	q	50	an				2.00	p	gy	1									
70.16	71.05	fal	30	an				2.00		wh	1									
70.16	71.05	mb	15	pt				2.00	d	br	1									
71.05	71.40	mb	15	pt				2.00	d	br	2									
71.05	71.40	q	45	an				2.00	p	gy	2									
71.05	71.40	f	40	an				3.00		wh	2									
71.40	73.82	q	40	an				2.00	p	gy	1									
71.40	73.82	a	25	an					d	gn	1									
71.40	73.82	f	25	an				2.00		wh	1									
71.40	73.82	mb	10	pt				2.00	d	br	1									

FROM	TO	ROCK 1					ROCK 2				COLOUR		UPPER CONTACT								
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
73.82	75.34	a	60	an			2.00	d	gn	1											
73.82	75.34	q	20	an			2.00	p	gy	1											
73.82	75.34	fai	15	an			2.00		wh	1											
73.82	75.34	mb	4	fk			2.00	d	br	1											
75.34	75.70	mb	10	pt			2.00	d	br	2											
75.34	75.70	f	50	an			3.00		wh	2											
75.34	75.70	q	40	an			2.00	p	gy	2											
75.70	76.88	q	45	an			2.00	p	gy	1											
75.70	76.88	f	25	an			2.00		wh	1											
75.70	76.88	a	25	an			2.00	d	gn	1											
75.70	76.88	mb	5	fk			2.00	d	br	1											
76.88	77.13	f	55	su			4.00		wh	2											
76.88	77.13	q	30	an			3.00	p	gy	2											
76.88	77.13	mb	15	pt			3.00	d	br	2											
77.13	82.20	mb	15	pt			2.00	d	br	1											
77.13	82.20	f	20	an			2.00		gy	1											
77.13	82.20	a	25	an			2.00	d	gn	1											
77.13	82.20	q	40	an			2.00	p	gy	1											
82.20	82.50	q	40	an			2.00	p	gy	2											
82.20	82.50	mb	10	fk			2.00	d	br	2											
82.20	82.50	f	5	an			2.00		pi	1											
82.20	82.50	f	45	su			3.00		wh	2											
82.50	88.80	q	35	an			2.00	p	gy	1											
82.50	88.80	a	35	an			2.00	d	gn	1											
82.50	88.80	f	20	an			2.00		gy	1											
82.50	88.80	mb	10	pt			2.00	d	br	1											
88.80	94.80	a	10	an			2.00	d	gn	1											
88.80	94.80	q	40	an			2.00	p	gy	1											
88.80	94.80	f	30	an			2.00		wh	1											
88.80	94.80	mb	20	pt			2.00	d	br	1											

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
SULPHIDES		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>												<i>Notes</i>	
73.82	75.34	spo	1.00	ds					1.00												
STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>						<i>CA</i>	<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>							
67.00	69.00	fn		2						G		-40	50								
71.50	72.50	fn		3						G		-65	30								
75.75	76.88	fn		3						G		-40	355								
91.00	92.00	fn		3						60	G										
SUB UNITS		<i>Rock Type</i>	<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Min 1</i>	<i>Att 1</i>	<i>Min 1</i>	<i>Att 2</i>	<i>Min 3</i>	<i>Att 3</i>	<i>Min 4</i>	<i>Att 4</i>	<i>Tone</i>	<i>Colour</i>	<i>Notes</i>					
66.80	68.90	aR^g	2	ba		q	an	f	an	a	an	mb	pt			cm-10'cm scale q-fld rich bands and amphibole rich bands.					
68.90	70.16	aR^g	2	ld	ms	a	su	q	an	f	an	mb	pt			more massive amphibole rich unit with occ. thin q-fld layers					
70.16	71.05	aR^g		ld	ms	q	an	f	an	mb	pt	a	an			generally massive felsic rich unit, some cm scale bt-amp rich layers					
71.05	71.40	Fg	3	ag		q	an	f	an	mb	pt			wh		white granite with bt alt in finer grained matrix					
71.40	73.82	aR^g		ba		q	an	a	an	f	an	mb	pt			banded q-fld and amph rich layers (cm-cm's scale)					
73.82	75.34	aR^g		ld	ms	a	an	q	an	f	an	mb	pt	gn		quite massive amphibolised unit with common mm scale q-fld layers. Containe trace spo vfg (1%).					
75.34	75.70	Fg	3	ag		f	an	q	an	mb	pt			wh		bt alt white granite. (as above)					
75.70	76.88	aR^g	2	ld	ms	q	an	f	an	a	an	mb	fk			massive with some degree of amp rich and q-fld rich layering					
76.88	77.13	Fg	4	sg		f	su	q	an	mb	pt			wh		coarser grained white granite with long bt plates (pegmatitic)					
77.13	82.20	aR^g	2	ld	ms	q	an	a	an	f	an	mb	pt			patches mostly massive with some mm scale layers (q-fld rich), other patches banded amp rich & q-fld rich					
82.20	82.50	Fg	3	sg		f	su	q	an	mb	fk					white granite with some pink fld					
82.50	88.80	aR^g	2	ms	ld	q	an	a	an	f	an	mb	pt			mostly massive. Intervals with well banded q-fld rich and amp rich layers. Occ 10cm white granite cross-cutting fol.					
88.80	94.80	aR^g		ba		q	an	f	an	mb	pt	a	an			well segregated q-fld rich and bt-amp rich layers (mm-cm scale)					
94.80	104.80	Fg	100									0			Irr	G					

Thick granitic unit with patches of assimilated paragneiss. More pegmatitic down-hole. Contains pink feldspar.

FROM	TO	ROCK 1					ROCK 2					COLOUR		UPPER CONTACT						
		Ore	Rock type 1			%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual

TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>		<i>Notes</i>															
94.80	99.50	4				1																	
99.50	104.80	5				1		patches where medium to coarse grained															
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>		<i>Notes</i>										
94.80	104.80	fal	5	an				3.00		pi	1												
94.80	104.80	mb	10	pt				3.00	d	br	1												
94.80	104.80	q	30	an				3.00	p	gy	1												
94.80	104.80	f	55	su				4.00		wh	1												

104.80 106.90 aR^g 100 0 *lrr* *l*

well banded (mm-cm's scale) q-fld rich and bt-amp rich layered unit

TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>		<i>Notes</i>															
104.80	106.90	2	ba			1																	
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>		<i>Notes</i>										
104.80	106.90	a	10	an				2.00	d	gn	1												
104.80	106.90	mb	20	pt				2.00	d	br	1												
104.80	106.90	f	30	an				2.00		wh	1												
104.80	106.90	q	40	an				2.00	p	gy	1												

STRUCTURE		<i>Type 1</i>	<i>Type 2</i>	<i>Intensity</i>	<i>CA</i>		<i>Qual</i>	<i>Dip</i>	<i>Dip/Dir</i>	<i>Notes</i>										
105.00	106.90	fn		2	46		G													

106.90 108.40 Fg 100 0 *Shp* *95* *G*

medium grained pink-whit undeformed granite. Coarser grains towards down-hole contact

TEXTURES		<i>Gr. Size</i>	<i>Txt 1</i>	<i>Txt 2</i>	<i>Txt 3</i>	<i>Rock No</i>		<i>Notes</i>															
106.90	108.00	3				1																	
108.00	108.40	4				1																	
MINERALOGY		<i>Min</i>	<i>%</i>	<i>Att 1</i>	<i>Att 2</i>	<i>Att 3</i>	<i>Att 4</i>	<i>Gr. Size</i>	<i>Tone</i>	<i>Colour</i>	<i>Rock No</i>		<i>Notes</i>										
106.90	108.40	fal	5	an				2.00		pi	1												
106.90	108.40	mb	10	pt				2.00	d	br	1												
106.90	108.40	q	25	an				2.00		clr	1												
106.90	108.40	f	60	an				3.00		wh	1												

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

108.40 113.35 aR^g 80 Fg 20 Irr G

banded to massive paragneiss with 20 cm white granite intervals (granite undeformed)

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
108.40	113.35	3				2	
108.40	113.35	2				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
108.40	113.35	mb	10	pt				2.00	d	br	2	
108.40	113.35	q	40	an				2.00		clr	2	
108.40	113.35	f	50	an				3.00		wh	2	
108.40	113.35	a	10	an				2.00	d	gn	1	
108.40	113.35	f	20	an				2.00		wh	1	
108.40	113.35	mb	30	pt				2.00	d	br	1	
108.40	113.35	q	40	an				2.00	p	gy	1	

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
110.00	111.00	fn		2	40	G			
111.50	112.50	fn		2	30	G			

113.35 116.35 Fg 85 aR^g 15 Irr G

Thick white pegmatitic white granite with 25cm interval of paragneiss in middle. Granite undeformed.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
113.35	116.35	2				2	
113.35	116.35	4				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
113.35	116.35	f	20	an				2.00		gy	2	
113.35	116.35	mb	20	pt				2.00	d	br	2	
113.35	116.35	a	20	an				2.00	d	gn	2	
113.35	116.35	q	40	an				2.00	p	gy	2	
113.35	116.35	mb	10	pt				3.00	d	br	1	
113.35	116.35	q	35	an				3.00		clr	1	
113.35	116.35	f	55	su				4.00		wh	1	

FROM	TO	ROCK 1				ROCK 2				COLOUR		UPPER CONTACT			
		Ore	Rock type 1	%	Pre Sufx 1 Sufx 2	Rock type 2	%	Pre Sufx 1 Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir

116.35	139.30	aR^g		85		Fg		15					Irr		G
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Q-fld richly layered paragneiss with medium-grained to coarse grained white granite layers (cross-cut paragneiss fol, chilled margins).

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes								
116.35	118.10	2	ba			1	paragneiss. Very felsic, abundant q-fld rich layers (mm-cm scale)								
118.10	118.60	4				2	undeformed white granite								
118.60	120.30	2	ba			1	paragneiss as above								
120.30	120.65	3				2	finer grained white granite. Undeformed								
120.65	123.80	2	ba			1	paragneiss as above.								
123.80	124.50	3				2	white granite undeformed								
124.50	130.15	2	ba			1	paragneiss as above								
130.15	131.05	3				2	undeformed white granite								
131.05	136.80	2	ba			1	paragneiss as above								
136.80	137.05	3				2	undeformed white granite								
137.05	137.55	2	ba			1	paragneiss as above								
137.55	138.60	5				2	pegmatitic white granite								
138.60	139.30	2	ba			1	paragneiss as above								

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes			
116.35	139.30	mb	10	pt				3.00	d	br	2				
116.35	139.30	q	40	an				3.00		clr	2				
116.35	139.30	f	50	su				3.00		wh	2				
116.35	139.30	a	10	an				2.00	d	gn	1				
116.35	139.30	mb	20	pt				2.00	d	br	1				
116.35	139.30	f	30	an				2.00		wh	1				
116.35	139.30	q	40	an				2.00	p	gy	1				

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes			
125.50	126.60	fn		3		G	-45	34				
130.50	131.50	fn		3		G	-45	48	quite consistent fol in paragneiss throughout whole unit.			

139.30	140.40	Fg		100				0					Irr		G
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undeformed medium-grained granite

FROM	TO	ROCK 1							ROCK 2				COLOUR		UPPER CONTACT						
		Ore	Rock type 1		%	Pre	Sufx 1	Sufx 2	Rock type 2		%	Pre	Sufx 1	Sufx 2	Tone	Colour	Type	CA	CA Qual	Dip	Dip/Dir
159.55	160.35	a	30	su			3.00	p	gn	1											
160.35	163.10	a	40	an			2.00		gn	1											pale green and dark green; pale green amph overprinting dark green
160.35	163.10	q	30	an			2.00	p	gy	1											
160.35	163.10	mb	15	pt			2.00	d	br	1											
160.35	163.10	f	15	an			2.00		gy	1											
163.10	163.85	a	60	su			3.00	d	gn	1											
163.85	179.30	f	20	an			2.00		gy	1											
163.85	179.30	q	35	an			2.00	p	gy	1											
163.85	179.30	a	20	an			2.00	d	gn	1											
163.85	179.30	mb	25	pt			2.00	d	br	1											

STRUCTURE		Type 1	Type 2	Intensity	CA	Qual	Dip	Dip/Dir	Notes
141.00	145.00	fn		3	45	G			
147.00	148.00	fn		3		G	-40	44	
168.00	170.00	fa		3	50	G			very consistent CA over most of interval

VEINS		Min	Acc 1	Acc 2	Type 1	Type 2	%	Width	CA	Qual	Dip	Dip/Dir	Notes
159.55	160.35	q			dn		40.00	0.00		I			criss-cross
163.10	163.85	q			dn		40.00	0.00		I			criss-cross

179.30 183.00 Fg 100 0 Irr M

variably grain-sized white-pinky granite. Undeformed.

TEXTURES		Gr. Size	Txt 1	Txt 2	Txt 3	Rock No	Notes
179.30	180.40	3				1	
180.40	181.85	5				1	
181.85	183.00	4				1	

MINERALOGY		Min	%	Att 1	Att 2	Att 3	Att 4	Gr. Size	Tone	Colour	Rock No	Notes
179.30	183.00	f	3	an				3.00		pi	1	
179.30	183.00	mb	7	pt				4.00	d	br	1	
179.30	183.00	q	36	an				4.00		clr	1	
179.30	183.00	f	54	su				4.00		wh	1	

Assay Results for: QPD01009

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01434	1.90	4.00			COMPOSITE	-5.00	13.00	1.00	-5.00	128.00	-1.00	72.00
CQ01435	4.00	6.00			COMPOSITE	-5.00	10.00	1.00	-5.00	115.00	-1.00	65.00
CQ01436	6.00	7.25			COMPOSITE	-5.00	11.00	1.00	-5.00	171.00	-1.00	66.00
CQ01437	7.25	7.58			COMPOSITE	-5.00	6.00	1.00	-5.00	548.00	-1.00	26.00
CQ01438	7.58	9.00			COMPOSITE	-5.00	10.00	-1.00	-5.00	127.00	-1.00	61.00
CQ01439	9.00	11.00			COMPOSITE	-5.00	12.00	1.00	-5.00	150.00	-1.00	64.00
CQ01440	11.00	13.00			COMPOSITE	-5.00	14.00	2.00	-5.00	136.00	-1.00	75.00
CQ01441	11.00	13.00	SD	CQ01440	COMPOSITE	-5.00	11.00	1.00	-5.00	90.00	-1.00	73.00
CQ01442	11.00	13.00	R	CQ01440	COMPOSITE	-5.00	13.00	2.00	-5.00	145.00	-1.00	64.00
CQ01443	13.00	15.00			COMPOSITE	-5.00	13.00	1.00	-5.00	108.00	-1.00	65.00
CQ01444	15.00	16.42			COMPOSITE	-5.00	11.00	1.00	-5.00	81.00	-1.00	86.00
CQ01445	16.42	17.50			DSPLT	-5.00	10.00	2.00	-5.00	95.00	-1.00	75.00
CQ01446	17.50	18.71			DSPLT	-5.00	11.00	2.00	-5.00	87.00	-1.00	68.00
CQ01447	18.71	18.89			DSPLT	-5.00	11.00	2.00	-5.00	81.00	-1.00	70.00
CQ01448	18.89	19.67			DSPLT	-5.00	11.00	2.00	-5.00	115.00	-1.00	72.00
CQ01449	19.67	20.95			DSPLT	-5.00	11.00	2.00	-5.00	100.00	-1.00	68.00
CQ01450	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	175.00	-5.00	277.00	-1.00	106.00
CQ01451	20.95	22.00			DSPLT	-5.00	10.00	2.00	-5.00	93.00	-1.00	72.00
CQ01452	22.00	23.22			DSPLT	-5.00	8.00	2.00	-5.00	107.00	-1.00	69.00
CQ01453	23.22	23.48			DSPLT	-5.00	14.00	2.00	-5.00	103.00	-1.00	69.00
CQ01454	23.48	25.02			DSPLT	-5.00	8.00	2.00	-5.00	117.00	-1.00	65.00
CQ01455	25.02	25.18			DSPLT	-5.00	10.00	1.00	-5.00	90.00	-1.00	70.00
CQ01456	25.18	27.00			DSPLT	-5.00	7.00	1.00	-5.00	137.00	-1.00	68.00
CQ01457	27.00	29.00			COMPOSITE	-5.00	6.00	2.00	-5.00	93.00	-1.00	71.00
CQ01458	29.00	31.00			COMPOSITE	-5.00	15.00	-1.00	-5.00	109.00	-1.00	71.00
CQ01459	31.00	33.00			COMPOSITE	-5.00	16.00	1.00	-5.00	99.00	-1.00	68.00
CQ01460	33.00	34.00			COMPOSITE	-5.00	7.00	1.00	-5.00	111.00	-1.00	74.00
CQ01461	33.00	34.00	SD	CQ01460	COMPOSITE	-5.00	12.00	-1.00	-5.00	91.00	-1.00	68.00
CQ01462	33.00	34.00	R	CQ01460	COMPOSITE	-5.00	11.00	1.00	-5.00	119.00	-1.00	77.00
CQ01463	34.00	35.60			COMPOSITE	-5.00	17.00	1.00	-5.00	151.00	-1.00	72.00
CQ01464	35.60	37.00			COMPOSITE	-5.00	13.00	1.00	-5.00	109.00	-1.00	74.00

Sample No.	From	T0	QC Type	Name	Samp. Type	Ni ppm	Pd ppb	Pt ppb	Au ppd	Cu ppm	Co ppm	Zn ppm
CQ01465	37.00	39.00			COMPOSITE	-5.00	8.00	1.00	-5.00	118.00	-1.00	81.00
CQ01466	39.00	41.00			COMPOSITE	-5.00	12.00	1.00	-5.00	116.00	-1.00	70.00
CQ01467	41.00	43.00			DSPLT	-5.00	6.00	-1.00	-5.00	109.00	-1.00	74.00
CQ01468	43.00	44.42			DSPLT	-5.00	8.00	2.00	-5.00	104.00	-1.00	85.00
CQ01469	44.42	46.20			DSPLT	-5.00	7.00	2.00	-5.00	105.00	-1.00	75.00
CQ01470	46.20	46.72			DSPLT	-5.00	6.00	4.00	-5.00	70.00	-1.00	73.00
CQ01471	46.72	46.90			DSPLT	-5.00	227.00	76.00	-5.00	49.00	-1.00	467.00
CQ01472	46.90	48.44			DSPLT	-5.00	21.00	12.00	-5.00	36.00	-1.00	30.00
CQ01473	48.44	49.37			DSPLT	-5.00	15.00	19.00	-5.00	196.00	-1.00	50.00
CQ01474	49.37	49.65			DSPLT	-5.00	5.00	12.00	-5.00	121.00	-1.00	72.00
CQ01475	0.00	0.00	QS	LN1	STAND	-5.00	-2.00	182.00	-5.00	304.00	-1.00	105.00
CQ01476	49.65	49.81			DSPLT	-5.00	2.00	7.00	-5.00	109.00	-1.00	60.00
CQ01477	49.81	50.28			DSPLT	-5.00	-2.00	35.00	-5.00	169.00	-1.00	73.00
CQ01478	50.28	52.05			DSPLT	12.00	9.00	16.00	-5.00	151.00	1.10	87.00
CQ01479	52.05	53.00			DSPLT	-5.00	7.00	4.00	-5.00	106.00	-1.00	84.00
CQ01480	53.00	54.54			DSPLT	-5.00	10.00	4.00	-5.00	107.00	-1.00	87.00
CQ01481	53.00	54.54	SD	CQ01480	DSPLT	11.00	20.00	21.00	-5.00	204.00	-1.00	100.00
CQ01482	53.00	54.54	R	CQ01480	DSPLT	6.00	10.00	4.00	-5.00	107.00	-1.00	90.00
CQ01483	54.54	55.78			DSPLT	-5.00	5.00	3.00	-5.00	122.00	-1.00	88.00
CQ01484	55.78	55.93			DSPLT	-5.00	27.00	16.00	-5.00	92.00	-1.00	42.00
CQ01485	55.93	56.47			DSPLT	10.00	13.00	3.00	-5.00	190.00	-1.00	7.00
CQ01486	56.47	56.91			DSPLT	9.00	14.00	5.00	-5.00	189.00	-1.00	20.00
CQ01487	56.91	58.00			DSPLT	11.00	19.00	1.00	-5.00	175.00	-1.00	10.00
CQ01488	60.15	61.40			DSPLT	-5.00	19.00	1.00	-5.00	157.00	-1.00	100.00
CQ01489	61.40	61.70			DSPLT	7.00	4.00	1.00	-5.00	87.00	-1.00	153.00
CQ01490	61.70	63.03			DSPLT	5.00	10.00	2.00	-5.00	300.00	-1.00	112.00
CQ01491	63.03	63.54			DSPLT	-5.00	18.00	1.00	-5.00	210.00	-1.00	19.00
CQ01492	63.54	63.83			DSPLT	-5.00	14.00	2.00	-5.00	93.00	-1.00	164.00
CQ01493	63.83	64.52			DSPLT	-5.00	2.00	8.00	-5.00	326.00	-1.00	241.00
CQ01494	64.52	64.79			DSPLT	-5.00	9.00	2.00	-5.00	153.00	-1.00	128.00
CQ01495	64.79	64.94			DSPLT	-5.00	4.00	6.00	-5.00	219.00	-1.00	284.00
CQ01496	64.94	65.05			DSPLT	-5.00	-2.00	3.00	-5.00	1175.00	-1.00	62.00
CQ01497	65.05	65.25			DSPLT	-5.00	9.00	8.00	-5.00	336.00	-1.00	175.00

<i>Sample No.</i>	<i>From</i>	<i>T0</i>	<i>QC Type</i>	<i>Name</i>	<i>Samp. Type</i>	<i>Ni ppm</i>	<i>Pd ppb</i>	<i>Pt ppb</i>	<i>Au ppd</i>	<i>Cu ppm</i>	<i>Co ppm</i>	<i>Zn ppm</i>
CQ01498	65.25	65.40			DSPLT	10.00	-2.00	19.00	-5.00	481.00	-1.00	155.00
CQ01499	65.40	65.65			DSPLT	5.00	-2.00	7.00	-5.00	482.00	-1.00	116.00
CQ01500	65.65	65.85			DSPLT	-5.00	11.00	-1.00	-5.00	298.00	-1.00	93.00

DOWN HOLE SURVEY

<i>HOLE ID</i>	<i>DEPTH</i>	<i>AZIMUTH</i>	<i>DIP</i>	<i>TYPE</i>
QPD01009	0.00	270.00	-80.00	DM
QPD01009	3.00	270.24	-80.03	MB
QPD01009	6.00	270.09	-80.03	MB
QPD01009	9.00	269.84	-80.03	MB
QPD01009	12.00	270.03	-80.02	MB
QPD01009	15.00	270.18	-80.04	MB
QPD01009	18.00	270.35	-80.06	MB
QPD01009	21.00	270.45	-80.11	MB
QPD01009	24.00	270.45	-80.10	MB
QPD01009	27.00	270.39	-80.13	MB
QPD01009	30.00	270.56	-80.10	MB
QPD01009	33.00	270.95	-80.10	MB
QPD01009	36.00	270.85	-80.10	MB
QPD01009	39.00	270.86	-80.08	MB
QPD01009	42.00	271.11	-80.09	MB
QPD01009	45.00	271.20	-80.12	MB
QPD01009	48.00	271.02	-80.10	MB
QPD01009	51.00	271.08	-80.07	MB
QPD01009	54.00	271.21	-80.05	MB
QPD01009	57.00	271.32	-80.01	MB
QPD01009	60.00	271.13	-79.99	MB
QPD01009	63.00	271.11	-80.00	MB
QPD01009	66.00	271.15	-79.94	MB
QPD01009	69.00	271.07	-79.90	MB
QPD01009	72.00	271.32	-79.86	MB
QPD01009	75.00	271.41	-79.84	MB
QPD01009	78.00	271.42	-79.85	MB
QPD01009	81.00	271.30	-79.81	MB
QPD01009	84.00	271.41	-79.80	MB
QPD01009	87.00	271.26	-79.79	MB
QPD01009	90.00	271.26	-79.77	MB
QPD01009	93.00	271.41	-79.77	MB
QPD01009	96.00	271.42	-79.77	MB
QPD01009	99.00	271.18	-79.79	MB
QPD01009	102.00	270.99	-79.82	MB
QPD01009	105.00	270.96	-79.79	MB
QPD01009	108.00	270.73	-79.77	MB
QPD01009	111.00	270.49	-79.76	MB
QPD01009	114.00	270.68	-79.75	MB
QPD01009	117.00	270.60	-79.75	MB
QPD01009	120.00	270.29	-79.68	MB
QPD01009	123.00	270.16	-79.59	MB
QPD01009	126.00	270.46	-79.60	MB
QPD01009	129.00	270.33	-79.65	MB
QPD01009	132.00	270.42	-79.58	MB
QPD01009	135.00	270.38	-79.54	MB
QPD01009	138.00	270.17	-79.49	MB
QPD01009	141.00	270.10	-79.45	MB

QPD01009	144.00	269.86	-79.44	MB
QPD01009	147.00	269.76	-79.36	MB
QPD01009	150.00	269.59	-79.32	MB
QPD01009	153.00	269.04	-79.31	MB
QPD01009	156.00	268.99	-79.29	MB
QPD01009	159.00	268.76	-79.30	MB
QPD01009	162.00	268.51	-79.29	MB
QPD01009	165.00	268.41	-79.29	MB
QPD01009	168.00	268.57	-79.28	MB
QPD01009	174.00	268.70	-79.22	MB

MAGNETIC SUSCEPTIBILITY

HOLE ID DEPTH MAG SUS

QPD01009	2.00	11.00
QPD01009	3.00	2.00
QPD01009	4.00	50.00
QPD01009	5.00	1.00
QPD01009	6.00	1.00
QPD01009	7.00	0.00
QPD01009	8.00	0.00
QPD01009	9.00	69.00
QPD01009	10.00	2.00
QPD01009	11.00	0.00
QPD01009	12.00	93.00
QPD01009	13.00	54.00
QPD01009	14.00	6.00
QPD01009	15.00	0.00
QPD01009	16.00	3.00
QPD01009	17.00	2.00
QPD01009	18.00	1.00
QPD01009	19.00	73.00
QPD01009	20.00	22.00
QPD01009	21.00	60.00
QPD01009	22.00	9.00
QPD01009	23.00	2.00
QPD01009	24.00	1.00
QPD01009	25.00	0.00
QPD01009	26.00	74.00
QPD01009	27.00	120.00
QPD01009	28.00	27.00
QPD01009	29.00	83.00
QPD01009	30.00	256.00
QPD01009	31.00	192.00
QPD01009	32.00	175.00
QPD01009	33.00	185.00
QPD01009	34.00	152.00
QPD01009	35.00	140.00
QPD01009	36.00	348.00
QPD01009	37.00	480.00
QPD01009	38.00	409.00
QPD01009	39.00	128.00
QPD01009	40.00	728.00
QPD01009	41.00	1032.00
QPD01009	42.00	888.00
QPD01009	43.00	778.00
QPD01009	44.00	2695.00
QPD01009	45.00	495.00
QPD01009	46.00	1058.00
QPD01009	47.00	0.00
QPD01009	48.00	0.00
QPD01009	49.00	336.00

QPD01009	50.00	706.00
QPD01009	51.00	296.00
QPD01009	52.00	357.00
QPD01009	53.00	476.00
QPD01009	54.00	419.00
QPD01009	55.00	359.00
QPD01009	56.00	0.00
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QPD01009	62.00	2.00
QPD01009	63.00	184.00
QPD01009	64.00	1853.00
QPD01009	65.00	574.00
QPD01009	66.00	144.00
QPD01009	67.00	7.00
QPD01009	68.00	75.00
QPD01009	69.00	79.00
QPD01009	70.00	20.00
QPD01009	71.00	0.00
QPD01009	72.00	128.00
QPD01009	73.00	1.00
QPD01009	74.00	141.00
QPD01009	75.00	210.00
QPD01009	76.00	62.00
QPD01009	77.00	55.00
QPD01009	78.00	25.00
QPD01009	79.00	2.00
QPD01009	80.00	109.00
QPD01009	81.00	230.00
QPD01009	82.00	240.00
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QPD01009	84.00	109.00
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QPD01009	88.00	121.00
QPD01009	89.00	27.00
QPD01009	90.00	1.00
QPD01009	91.00	145.00
QPD01009	92.00	189.00
QPD01009	93.00	239.00
QPD01009	94.00	173.00
QPD01009	95.00	1.00
QPD01009	96.00	0.00
QPD01009	97.00	59.00
QPD01009	98.00	128.00
QPD01009	99.00	0.00
QPD01009	100.00	0.00
QPD01009	101.00	3.00

QPD01009	102.00	0.00
QPD01009	103.00	0.00
QPD01009	104.00	0.00
QPD01009	105.00	33.00
QPD01009	106.00	0.00
QPD01009	107.00	0.00
QPD01009	108.00	0.00
QPD01009	109.00	26.00
QPD01009	110.00	109.00
QPD01009	111.00	0.00
QPD01009	112.00	97.00
QPD01009	113.00	89.00
QPD01009	114.00	0.00
QPD01009	115.00	47.00
QPD01009	116.00	60.00
QPD01009	117.00	0.00
QPD01009	118.00	7.00
QPD01009	119.00	0.00
QPD01009	120.00	0.00
QPD01009	121.00	0.00
QPD01009	122.00	0.00
QPD01009	123.00	0.00
QPD01009	124.00	0.00
QPD01009	125.00	0.00
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QPD01009	127.00	0.00
QPD01009	128.00	0.00
QPD01009	129.00	0.00
QPD01009	130.00	0.00
QPD01009	131.00	0.00
QPD01009	132.00	0.00
QPD01009	133.00	0.00
QPD01009	134.00	0.00
QPD01009	135.00	0.00
QPD01009	136.00	0.00
QPD01009	137.00	0.00
QPD01009	138.00	0.00
QPD01009	139.00	0.00
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QPD01009	146.00	0.00
QPD01009	147.00	0.00
QPD01009	148.00	0.00
QPD01009	149.00	0.00
QPD01009	150.00	0.00
QPD01009	151.00	0.00
QPD01009	152.00	0.00
QPD01009	153.00	0.00

QPD01009	154.00	0.00
QPD01009	155.00	0.00
QPD01009	156.00	0.00
QPD01009	157.00	26.00
QPD01009	158.00	0.00
QPD01009	159.00	0.00
QPD01009	160.00	0.00
QPD01009	161.00	0.00
QPD01009	162.00	0.00
QPD01009	163.00	0.00
QPD01009	164.00	1147.00
QPD01009	165.00	776.00
QPD01009	166.00	556.00
QPD01009	167.00	0.00
QPD01009	168.00	0.00
QPD01009	169.00	0.00
QPD01009	170.00	0.00
QPD01009	171.00	0.00
QPD01009	172.00	556.00
QPD01009	173.00	666.00
QPD01009	174.00	254.00
QPD01009	175.00	0.00
QPD01009	176.00	131.00
QPD01009	177.00	0.00
QPD01009	178.00	0.00
QPD01009	179.00	0.00
QPD01009	180.00	0.00
QPD01009	181.00	0.00
QPD01009	182.00	0.00
QPD01009	183.00	0.00

RQD

<i>HOLE ID</i>	<i>FROM</i>	<i>TO</i>	<i>WIDTH</i>	<i>RQD (m)</i>	<i>RQD (%)</i>	<i>NOTES</i>
QPD01009	1.90	3.00	1.10	1.08	0.98	
QPD01009	3.00	6.00	3.00	2.93	0.98	
QPD01009	6.00	9.00	3.00	2.76	0.92	
QPD01009	9.00	12.00	3.00	2.92	0.97	
QPD01009	12.00	15.00	3.00	2.75	0.92	
QPD01009	15.00	18.00	3.00	2.90	0.97	
QPD01009	18.00	21.00	3.00	2.91	0.97	
QPD01009	21.00	24.00	3.00	2.86	0.95	
QPD01009	24.00	27.00	3.00	2.92	0.97	
QPD01009	27.00	30.00	3.00	3.00	1.00	
QPD01009	30.00	33.00	3.00	2.93	0.98	
QPD01009	33.00	36.00	3.00	2.84	0.95	
QPD01009	36.00	39.00	3.00	2.94	0.98	
QPD01009	39.00	42.00	3.00	2.96	0.99	
QPD01009	42.00	45.00	3.00	2.97	0.99	
QPD01009	45.00	48.00	3.00	1.45	0.48	
QPD01009	48.00	51.00	3.00	2.04	0.68	
QPD01009	51.00	54.00	3.00	2.91	0.97	
QPD01009	54.00	57.00	3.00	2.98	0.99	
QPD01009	57.00	60.00	3.00	2.40	0.80	
QPD01009	60.00	63.00	3.00	2.85	0.95	
QPD01009	63.00	66.00	3.00	2.84	0.95	
QPD01009	66.00	69.00	3.00	2.49	0.83	
QPD01009	69.00	72.00	3.00	2.98	0.99	
QPD01009	72.00	75.00	3.00	2.77	0.92	
QPD01009	75.00	78.00	3.00	2.68	0.89	
QPD01009	78.00	81.00	3.00	3.00	1.00	
QPD01009	81.00	84.00	3.00	2.02	0.67	
QPD01009	84.00	87.00	3.00	3.00	1.00	
QPD01009	87.00	90.00	3.00	2.94	0.98	
QPD01009	90.00	93.00	3.00	2.75	0.92	
QPD01009	93.00	96.00	3.00	2.92	0.97	
QPD01009	96.00	99.00	3.00	2.66	0.89	
QPD01009	99.00	102.00	3.00	2.65	0.88	
QPD01009	102.00	105.00	3.00	2.87	0.96	
QPD01009	105.00	108.00	3.00	2.57	0.86	
QPD01009	108.00	111.00	3.00	2.75	0.92	
QPD01009	111.00	114.00	3.00	2.73	0.91	
QPD01009	114.00	117.00	3.00	3.00	1.00	

QPD01009	117.00	120.00	3.00	3.00	1.00
QPD01009	120.00	123.00	3.00	3.00	1.00
QPD01009	123.00	126.00	3.00	2.85	0.95
QPD01009	126.00	129.00	3.00	2.90	0.97
QPD01009	129.00	132.00	3.00	3.00	1.00
QPD01009	132.00	135.00	3.00	2.93	0.98
QPD01009	135.00	138.00	3.00	2.92	0.97
QPD01009	138.00	141.00	3.00	2.83	0.94
QPD01009	141.00	144.00	3.00	2.97	0.99
QPD01009	144.00	147.00	3.00	2.94	0.98
QPD01009	147.00	150.00	3.00	3.00	1.00
QPD01009	150.00	153.00	3.00	3.00	1.00
QPD01009	153.00	156.00	3.00	2.90	0.97
QPD01009	156.00	159.00	3.00	3.00	1.00
QPD01009	159.00	162.00	3.00	3.00	1.00
QPD01009	162.00	165.00	3.00	3.00	1.00
QPD01009	165.00	168.00	3.00	2.99	1.00
QPD01009	168.00	171.00	3.00	2.84	0.95
QPD01009	171.00	174.00	3.00	3.00	1.00
QPD01009	174.00	177.00	3.00	2.60	0.87
QPD01009	177.00	180.00	3.00	2.28	0.76
QPD01009	180.00	183.00	3.00	2.93	0.98

Appendix 5c

DDH Geochemical Analysis Certificates



BONDAR CLEGG



VANCOUVER BRANCH

Geochemical Lab Report

Long

WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



VANCOUVER BRANCH

Geochemical Lab Report

REPORT: V01-00770.0 (COMPLETE)

REFERENCE: ORDER #JMM01

CLIENT: WMC EXPLORATION INC.

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.3712

DATE RECEIVED: 02-MAY-01 DATE PRINTED: 7-MAY-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010504	1 AU	Au - FA35/36	32	1 PPB	FIRE ASSAY
010504	2 PT	Pt - FA36	32	5 PPB	FIRE ASSAY
010504	3 PD	Pd - FA36	32	1 PPB	FIRE ASSAY
010504	4 Ag	Ag - IC30	32	0.5 PPM	HF-HNO3-HClO4-HCL
010504	5 Cu	Cu - IC30	32	1 PPM	HF-HNO3-HClO4-HCL
010504	6 Pb	Pb - IC30	32	2 PPM	HF-HNO3-HClO4-HCL
010504	7 Zn	Zn - IC30	32	2 PPM	HF-HNO3-HClO4-HCL
010504	8 Mo	Mo - IC30	32	1 PPM	HF-HNO3-HClO4-HCL
010504	9 Ni	Ni - IC30	32	1 PPM	HF-HNO3-HClO4-HCL
010504	10 Co	Co - IC30	32	1 PPM	HF-HNO3-HClO4-HCL
010504	11 Cd	Cd - IC30	32	1.0 PPM	HF-HNO3-HClO4-HCL
010504	12 Bi	Bi - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	13 As	As - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	14 Sb	Sb - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	15 Fe Tot	Fe - IC30	32	0.01 PCT	HF-HNO3-HClO4-HCL
010504	16 Mn	Mn - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	17 Te	Te - IC30	32	25 PPM	HF-HNO3-HClO4-HCL
010504	18 Ba	Ba - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	19 Cr	Cr - IC30	32	2 PPM	HF-HNO3-HClO4-HCL
010504	20 V	V - IC30	32	2 PPM	HF-HNO3-HClO4-HCL
010504	21 Sn	Sn - IC30	32	20 PPM	HF-HNO3-HClO4-HCL
010504	22 W	W - IC30	32	20 PPM	HF-HNO3-HClO4-HCL
010504	23 La	La - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	24 Al	Al - IC30	32	0.01 PCT	HF-HNO3-HClO4-HCL
010504	25 Mg	Mg - IC30	32	0.01 PCT	HF-HNO3-HClO4-HCL
010504	26 Ca	Ca - IC30	32	0.01 PCT	HF-HNO3-HClO4-HCL
010504	27 Na	Na - IC30	32	0.01 PCT	HF-HNO3-HClO4-HCL
010504	28 K	K - IC30	32	0.01 PCT	HF-HNO3-HClO4-HCL
010504	29 Sr	Sr - IC30	32	1 PPM	HF-HNO3-HClO4-HCL
010504	30 Y	Y - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	31 Ga	Ga - IC30	32	10 PPM	HF-HNO3-HClO4-HCL
010504	32 Li	Li - IC30	32	2 PPM	HF-HNO3-HClO4-HCL
010504	33 Nb	Nb - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	34 Sc	Sc - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	35 Ta	Ta - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	36 Ti	Ti - IC30	32	0.01 PCT	HF-HNO3-HClO4-HCL

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010504	37 Zr	Zr - IC30	32	5 PPM	HF-HNO3-HClO4-HCL
010504	38 S	S - IC30	32	0.002 PCT	HF-HNO3-HClO4-HCL

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	31	? -200	31	TOTAL SAMPLE PREP	29
P PREPARED PULP	1	4 AS RECEIVED	1	SAMPLE SPLITS	2
				PULP VERIFICATION	1

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

 This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00770.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 02-MAY-01 DATE PRINTED: 7-MAY-01 PAGE 1A(1/ 8)

Table with columns: SAMPLE NUMBER, ELEMENT, and various chemical elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti) with their respective units and values.



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00770.0 (COMPLETE)

DATE RECEIVED: 02-MAY-01

DATE PRINTED: 7-MAY-01

PROJECT: XCAQUENI.3712
PAGE 1B(2/ 8)

SAMPLE NUMBER	ELEMENT	Zr UNITS PPM	S PCT
CQ00196		23	1.568
CQ00197		18	1.877
CQ00198		21	1.162
CQ00199		27	1.854
CQ00200		33	1.481
CQ00201		34	1.361
CQ00202		30	1.493
CQ00203		72	3.541
CQ00204		289	0.761
CQ00205		47	2.267
CQ00206		34	2.644
CQ00207		14	>10.00
CQ00208		13	>10.00
CQ00209		19	>10.00
CQ00210		71	0.947
CQ00211		52	0.461
CQ00212		41	0.585
CQ00213		34	1.025
CQ00214		46	0.966
CQ00215		53	2.374
CQ00216		68	0.352
CQ00217		44	0.142
CQ00218		46	0.372
CQ00219		30	0.771
CQ00220		31	0.662
CQ00221		39	0.638
CQ00222		37	0.663
CQ00223		38	0.373
CQ00224		47	0.430
CQ00225		14	5.521



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00770.0 (COMPLETE)

DATE RECEIVED: 02-MAY-01 DATE PRINTED: 7-MAY-01 PAGE 2A(3/ 8)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT	AU	PT	PD	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti
	UNITS	PPB	PPB	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	
CQ00226		<1	10	10	<0.5	165	13	108	5	247	37	<1.0	<5	<5	<5	6.83	1381	<25	462	303	220	<20	<20	22	>10.00	1.99	2.38	2.42	1.55	216	13	13	51	15	33	<5	0.52	
CQ00227		2	6	12	<0.5	226	11	147	3	231	55	<1.0	<5	<5	<5	9.34	2162	<25	320	277	325	<20	<20	14	8.16	2.93	2.84	1.93	1.07	154	10	<10	25	22	38	<5	0.67	



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00770.0 (COMPLETE)

DATE RECEIVED: 02-MAY-01 DATE PRINTED: 7-MAY-01 PAGE 2B(4/ 8)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT	Zr UNITS PPM	S PCT
CQ00226		41	0.315
CQ00227		33	0.427



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00770.0 (COMPLETE)

DATE RECEIVED: 02-MAY-01 DATE PRINTED: 7-MAY-01 PAGE 3A(5/ 8)

PROJECT: XCAQUENI.3712

Table with columns for STANDARD NAME, ELEMENT UNITS, and various chemical elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti) with their respective units and values.



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Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
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DATE RECEIVED: 02-MAY-01 DATE PRINTED: 7-MAY-01 PAGE 38(6/ 8)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT	Zr UNITS PPM	S PCT
ANALYTICAL BLANK		<5	<0.002
ANALYTICAL BLANK		-	-
Number of Analyses		1	1
Mean Value		3	0.001
Standard Deviation		-	-
Accepted Value		<1	<0.001

ST 248		-	-
Number of Analyses		-	-
Mean Value		-	-
Standard Deviation		-	-
Accepted Value		-	-

CANMET STSD-4		52	0.109
Number of Analyses		1	1
Mean Value		52	0.109
Standard Deviation		-	-
Accepted Value		53	0.090

ST 260		-	-
Number of Analyses		-	-
Mean Value		-	-
Standard Deviation		-	-
Accepted Value		-	-



BONDAR CLEGG



VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00770.0 (COMPLETE)

DATE RECEIVED: 02-MAY-01 DATE PRINTED: 7-MAY-01 PAGE 4A(7/ 8)

PROJECT: XCAQUENT.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
CQ00196		3	10	25	0.8	1080	8	78	10	1669	132	<1.0	<5	<5	<5	>10.00	1062	<25	18	639	154	<20	<20	8	3.85	8.58	4.25	0.27	0.17	80	9	<10	50	6	19	<5	0.57	
Duplicate		3	6	23	0.8	1092	6	78	9	1694	133	<1.0	<5	<5	<5	>10.00	1071	<25	20	508	149	<20	<20	8	3.87	8.66	4.30	0.23	0.15	81	9	<10	48	6	18	<5	0.57	
CQ00214		6	22	30	<0.5	1196	18	158	5	1529	77	<1.0	<5	<5	<5	7.63	1208	<25	423	327	327	<20	<20	18	8.13	2.41	2.39	1.92	1.25	199	7	11	19	24	22	<5	0.61	
Duplicate					<0.5	1250	23	172	5	1580	81	<1.0	<5	<5	<5	9.04	1371	<25	495	315	325	<20	<20	16	>10.00	2.46	2.94	1.96	1.48	216	12	11	19	20	39	<5	0.62	
CQ00219		4	12	32	<0.5	646	7	131	4	380	65	<1.0	<5	<5	<5	9.94	2177	<25	315	253	328	<20	<20	18	8.50	3.01	2.95	1.41	1.30	153	10	<10	34	22	34	<5	0.94	
Duplicate		5	10	30																																		



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PROJECT: XCAQUENI.3712
PAGE 4B(8/ 8)

SAMPLE NUMBER	ELEMENT	Zr UNITS PPM	S PCT
CQ00196		23	1.568
Duplicate		17	1.555
CQ00214		46	0.966
Duplicate		49	1.010
CQ00219		30	0.771
Duplicate			



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Geochemical Lab Report

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

PL



BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-00770.2 (COMPLETE)

REFERENCE: ORDER #JMM01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.3712

DATE RECEIVED: 22-JUN-01

DATE PRINTED: 27-JUN-01

DATE APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
010627	1	S Tot S (Total) - ST60	22	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	22	? -200	22	SAMPLES FROM STORAGE	22

REMARKS: Please note that the reported Sulfur result was determined by Leco furnace. Please advise if gravimetric result is required.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.3712

REPORT: V01-00770.2 (COMPLETE)

DATE RECEIVED: 22-JUN-01

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PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT
D? CQ00199		2.01
D? CQ00200		1.71
D? CQ00201		1.63
D? CQ00202		1.72
D? CQ00203		3.70
D? CQ00204		0.74
D? CQ00205		2.66
D? CQ00206		2.89
D? CQ00207		26.00
D? CQ00208		16.17
D? CQ00209		26.77
D? CQ00210		0.98
D? CQ00211		0.54
D? CQ00212		0.63
D? CQ00213		1.18
D? CQ00214		1.12
D? CQ00215		3.03
D? CQ00216		0.41
D? CQ00217		0.15
D? CQ00218		0.41
D? CQ00219		0.96
D? CQ00220		0.73



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PROJECT: XCAQUEN1.3712

DATE PRINTED: 27-JUN-01

PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	S Tot PCT
UTS-4		1.82
Number of Analyses		1
Mean Value		1.820
Standard Deviation		-
Accepted Value		1.80



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DATE PRINTED: 27-JUN-01

PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT
CQ00199		2.01
Duplicate		1.98
CQ00208		16.17
Duplicate		16.32
CQ00213		1.18
Duplicate		1.17
CQ00218		0.41
Duplicate		0.41

BC

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Geochemical Lab Report

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

A handwritten signature or set of initials, possibly 'JTB', located in the bottom right corner of the page.



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Geochemical Lab Report

REPORT: V01-00770.4 (COMPLETE)

REFERENCE: ORDER #JMM01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: XCAQUENI.3712

DATE RECEIVED: 18-JUL-01
DATE PRINTED: 26-JUL-01
SUBMITTED BY: J. MCKINNON-MATTHEWS

DATE APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
010724	1	Ni Ni - GA50	16	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
010724	2	S Tot S (Total) - ST60	2	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	16	? -200	16		

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Geochemical Lab Report

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DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 26-JUL-01

PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
D? CQ00197		0.211	1.96
D? CQ00198		0.137	1.19
D? CQ00200		0.125	
D? CQ00203		0.174	
D? CQ00204		0.042	
D? CQ00205		0.225	
D? CQ00206		0.153	
D? CQ00207		1.248	
D? CQ00209		1.253	
D? CQ00210		0.098	
D? CQ00211		0.020	
D? CQ00212		0.031	
D? CQ00215		0.271	
D? CQ00216		0.037	
D? CQ00217		0.009	
D? CQ00220		0.025	



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PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Ni PCT	S Tot PCT
SU-1A		1.223	-
Number of Analyses		1	-
Mean Value		1.2229	-
Standard Deviation		-	-
Accepted Value		1.233	10.00
UTS-4		-	1.83
Number of Analyses		-	1
Mean Value		-	1.830
Standard Deviation		-	-
Accepted Value		-	1.80



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Geochemical Lab Report

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DATE RECEIVED: 18-JUL-01

DATE PRINTED: 26-JUL-01

PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
CQ00197		0.211	1.96
Duplicate		0.215	1.93
CQ00210		0.098	
Duplicate		0.097	
CQ00217		0.009	
Duplicate		0.010	



BONDAR CLEGG



WMC EXPLORATION INC.
MR. KELLY MONIER
C/O GEOPRO SERVICES
7225 EAST 28TH ST
TUCSON, AZ 85710

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REPORT: V01-00790.0 (COMPLETE)

REFERENCE: ORDER #JMM02

CLIENT: WMC EXPLORATION INC.
PROJECT: XCAQUENI.3712

SUBMITTED BY: J. MCKINNON-MATTHEWS
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 36 rows of analytical data.

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 3 rows of analytical data.

Table with columns: SAMPLE TYPES, NUMBER, SIZE FRACTIONS, NUMBER, SAMPLE PREPARATIONS, NUMBER. Contains 2 rows of sample preparation data.

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

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MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 1A(1/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00001		4	7	6	<.5	581	10	128	2	1221	130	1.1	<5	<5	<5	>10.00		952	<25	152	342	124	<20	<20	9	9.18	5.73	4.95	1.32	0.40	295	11	10	14	6	<5	<5	0.46	26
CQ00002		2	<5	3	<.5	330	5	74	<1	615	101	<1.0	<5	14	<5	9.27		954	<25	158	119	68	<20	<20	9	9.64	5.20	5.62	1.56	0.38	307	13	<10	12	<5	<5	<5	0.60	29
CQ00003		2	<5	2	<.5	267	9	65	2	600	83	<1.0	<5	6	<5	8.31		927	<25	154	104	72	<20	<20	9	9.62	5.00	5.69	1.65	0.36	321	12	<10	10	<5	<5	<5	0.55	30
CQ00004		5	<5	5	<.5	594	9	72	2	1576	108	<1.0	<5	<5	<5	8.61		858	<25	171	92	63	<20	<20	9	>10.00	4.59	6.17	1.80	0.41	356	12	<10	5	<5	<5	<5	0.63	32
CQ00005		6	6	7	<.5	761	9	75	3	1883	112	<1.0	<5	<5	<5	8.60		864	<25	162	108	83	<20	<20	10	9.99	4.44	6.08	1.75	0.38	338	14	<10	6	<5	<5	7	0.66	35
CQ00006		4	7	5	0.5	966	9	96	1	2160	122	<1.0	<5	14	<5	>10.00		961	<25	157	191	83	<20	<20	8	9.60	5.47	5.36	1.39	0.39	298	11	<10	8	<5	<5	<5	0.45	22
CQ00007		8	7	5	0.5	892	5	87	1	2796	119	<1.0	<5	<5	<5	>10.00		993	<25	117	126	66	<20	<20	7	8.03	6.34	4.72	1.29	0.35	276	10	<10	7	<5	<5	<5	0.38	18
CQ00008		<1	<5	<1	<.5	40	<2	47	3	97	29	<1.0	<5	8	<5	4.61		654	<25	313	94	107	<20	<20	17	10.00	2.02	6.15	2.64	0.56	404	24	<10	4	8	8	<5	0.98	67
CQ00009		8	9	12	0.8	1237	<2	81	2	2090	81	<1.0	<5	6	<5	9.36		934	<25	224	121	127	<20	<20	14	8.74	3.42	5.66	1.94	0.46	333	19	<10	6	7	6	<5	1.25	42
CQ00010		<1	<5	<1	<.5	32	<2	74	<1	131	91	<1.0	<5	26	<5	9.62		1273	30	227	229	415	<20	<20	19	6.53	3.63	6.46	1.88	0.45	262	31	<10	6	29	31	<5	4.24	29
CQ00011		<1	<5	2	<.5	52	<2	66	2	102	48	<1.0	<5	<5	<5	7.67		1038	<25	228	242	242	<20	<20	19	8.27	3.92	6.22	2.16	0.45	317	28	<10	5	17	18	<5	1.45	52
CQ00012		2	<5	5	<.5	226	4	78	1	542	63	<1.0	<5	<5	<5	9.80		1177	<25	137	141	85	<20	<20	9	7.67	6.25	4.67	1.53	0.34	270	12	<10	7	<5	<5	<5	0.57	24
CQ00013		3	<5	8	<.5	531	<2	68	<1	849	62	<1.0	<5	<5	<5	8.46		925	<25	132	91	47	<20	<20	8	9.05	5.35	5.17	1.72	0.31	326	10	<10	6	<5	<5	<5	0.45	26
CQ00014		5	10	25	<.5	907	6	83	<1	1632	107	<1.0	<5	10	<5	>10.00		986	<25	120	137	75	<20	<20	7	9.50	5.95	5.56	1.52	0.27	302	10	<10	4	<5	<5	<5	0.43	21
CQ00015		3	6	10	<.5	630	9	99	<1	1308	96	<1.0	<5	<5	<5	7.82		687	<25	174	471	140	<20	<20	9	>10.00	4.16	6.42	1.50	0.37	365	9	11	6	7	<5	<5	0.40	19
CQ00016		3	5	9	<.5	391	7	70	1	986	75	<1.0	<5	<5	<5	8.95		939	<25	120	99	50	<20	<20	7	>10.00	5.58	5.81	1.61	0.25	328	8	<10	5	<5	<5	<5	0.36	18
CQ00017		2	<5	5	<.5	191	6	60	<1	442	52	<1.0	<5	6	<5	7.83		949	<25	150	123	60	<20	<20	8	>10.00	5.13	6.08	1.68	0.37	345	10	<10	5	<5	<5	<5	0.48	38
CQ00018		10	5	15	<.5	862	7	93	1	1878	88	<1.0	<5	<5	<5	8.23		807	<25	150	112	55	<20	<20	7	9.04	4.23	5.53	1.43	0.35	325	9	<10	5	<5	<5	<5	0.43	33
CQ00019		5	<5	6	<.5	368	2	59	1	846	56	<1.0	<5	8	<5	6.55		756	<25	131	120	65	<20	<20	6	7.89	3.94	5.47	1.55	0.33	320	8	<10	5	<5	<5	<5	0.44	26
CQ00020		2	<5	5	<.5	318	7	62	3	585	55	<1.0	<5	<5	<5	7.42		853	<25	178	113	64	<20	<20	11	9.55	4.50	5.60	1.92	0.45	346	14	<10	5	<5	<5	<5	0.68	43
CQ00021		6	<5	16	<.5	653	6	75	2	1356	83	<1.0	<5	13	<5	9.10		996	<25	171	158	112	<20	<20	14	8.19	4.66	5.54	1.76	0.35	294	20	<10	4	6	7	<5	1.04	56
CQ00022		5	<5	5	<.5	329	6	63	2	591	56	<1.0	<5	14	<5	7.64		876	<25	179	117	62	<20	<20	10	9.84	4.56	5.62	1.88	0.39	343	13	<10	5	<5	<5	<5	0.66	42
CQ00023		3	<5	5	<.5	295	5	71	3	636	60	<1.0	<5	9	<5	8.56		985	<25	167	135	61	<20	<20	9	9.86	5.46	5.89	1.77	0.43	333	12	<10	4	<5	<5	<5	0.50	29
CQ00024		9	13	14	0.6	1470	9	111	<1	3739	168	1.3	<5	<5	<5	>10.00		1199	<25	146	214	90	<20	<20	9	7.17	6.09	4.82	1.23	0.47	234	12	<10	6	<5	<5	<5	0.55	12
CQ00025		44	61	145	<.5	816	9	139	2	15803	286	2.1	<5	<5	<5	>10.00		1076	<25	51	328	35	<20	<20	7	2.22	>10.00	0.90	0.58	0.35	54	6	<10	17	<5	<5	11	0.11	14
CQ00026		3	<5	6	<.5	435	6	71	1	955	73	<1.0	<5	13	<5	8.84		941	<25	157	114	64	<20	<20	7	>10.00	5.13	6.22	1.85	0.34	348	9	<10	5	<5	<5	<5	0.44	20
CQ00027		3	5	5	<.5	405	7	62	<1	774	64	<1.0	<5	<5	<5	7.43		794	<25	166	189	68	<20	<20	6	9.92	4.47	6.00	1.64	0.44	337	8	<10	5	<5	<5	<5	0.41	21
CQ00028		<1	<5	2	<.5	130	4	51	<1	289	44	<1.0	<5	9	<5	6.34		728	<25	160	112	39	<20	<20	7	9.89	4.42	5.96	1.75	0.39	346	8	<10	4	<5	<5	<5	0.38	24
CQ00029		3	<5	5	<.5	188	5	56	<1	524	53	<1.0	<5	7	<5	6.16		714	<25	150	73	47	<20	<20	6	8.55	3.64	5.52	1.68	0.39	326	8	<10	5	<5	<5	<5	0.48	22
CQ00030		3	<5	5	<.5	258	3	58	2	521	55	<1.0	<5	11	<5	6.48		687	<25	176	127	47	<20	<20	7	9.66	3.87	5.66	1.79	0.46	367	8	<10	3	<5	<5	<5	0.37	26



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 1B(2/16)

PROJECT: XCAQUEN1.3712

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00001		1.384
CQ00002		0.854
CQ00003		0.681
CQ00004		1.181
CQ00005		1.284
CQ00006		1.279
CQ00007		1.201
CQ00008		0.089
CQ00009		1.414
CQ00010		0.132
CQ00011		0.138
CQ00012		0.291
CQ00013		0.604
CQ00014		1.412
CQ00015		1.319
CQ00016		0.800
CQ00017		0.273
CQ00018		1.137
CQ00019		0.519
CQ00020		0.408
CQ00021		0.881
CQ00022		0.408
CQ00023		0.384
CQ00024		2.332
CQ00025		6.081
CQ00026		0.679
CQ00027		0.628
CQ00028		0.225
CQ00029		0.406
CQ00030		0.570



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 2A(3/16)

PROJECT: XCAQUEN1.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00031		2	<5	2	<.5	105	<2	42	2	251	41	<1.0	<5	<5	<5	6.07	738	<25	172	82	43	<20	<20	8	>10.00	4.10	5.84	1.93	0.40	364	10	<10	8	<5	<5	<5	0.49	26
CQ00032		<1	<5	1	<.5	16	3	49	<1	64	33	<1.0	<5	<5	<5	5.51	692	<25	186	89	42	<20	<20	9	>10.00	3.78	6.39	2.16	0.37	400	11	<10	4	<5	<5	<5	0.53	26
CQ00033		<1	<5	2	<.5	115	6	87	<1	241	51	<1.0	<5	15	<5	8.27	1002	<25	146	83	43	<20	<20	9	>10.00	5.55	5.96	1.62	0.29	311	11	<10	11	<5	<5	<5	0.50	22
CQ00034		2	<5	5	<.5	360	4	80	3	813	64	<1.0	<5	<5	<5	7.47	866	<25	159	188	87	<20	<20	8	9.90	4.58	6.34	1.78	0.35	339	11	<10	5	<5	<5	6	0.63	24
CQ00035		1	<5	2	<.5	84	3	60	<1	188	45	<1.0	<5	7	<5	7.56	908	<25	143	184	54	<20	<20	6	>10.00	5.43	6.03	1.89	0.30	351	8	<10	4	<5	<5	<5	0.43	19
CQ00036		2	<5	6	<.5	329	8	72	<1	748	67	<1.0	<5	<5	<5	9.12	994	<25	137	201	45	<20	<20	8	9.53	5.70	5.54	1.76	0.30	325	10	<10	4	<5	<5	<5	0.48	25
CQ00037		1	<5	<1	<.5	36	3	49	2	105	35	<1.0	<5	<5	6	5.65	699	<25	156	192	44	<20	<20	7	9.22	4.15	5.78	1.81	0.52	341	8	<10	4	<5	<5	<5	0.42	29
CQ00038		<1	<5	<1	<.5	45	2	50	2	128	37	<1.0	<5	6	<5	6.82	830	<25	140	110	64	<20	<20	7	9.54	4.91	5.83	1.63	0.38	332	9	<10	8	<5	<5	<5	0.47	25
CQ00039		2	<5	3	<.5	620	5	72	<1	1127	71	<1.0	<5	<5	<5	7.93	837	<25	144	143	85	<20	<20	7	9.32	4.38	5.98	1.68	0.37	338	9	<10	6	<5	<5	<5	0.50	24
CQ00040		<1	<5	<1	<.5	53	<2	65	3	134	41	<1.0	<5	6	<5	6.93	881	<25	176	99	60	<20	<20	9	9.75	4.53	6.04	1.75	0.41	366	13	<10	5	<5	<5	<5	0.61	36
CQ00041		1	<5	<1	<.5	41	2	62	1	115	42	<1.0	<5	5	<5	7.12	902	<25	178	145	66	<20	<20	9	9.99	4.72	6.13	1.80	0.41	374	13	<10	5	<5	<5	<5	0.63	36
CQ00042		2	<5	2	<.5	53	4	67	2	133	42	<1.0	<5	<5	<5	7.10	895	<25	179	112	61	<20	<20	10	9.99	4.53	6.08	1.79	0.40	373	13	<10	5	<5	<5	<5	0.60	35
CQ00043		3	6	2	<.5	84	4	61	<1	215	44	<1.0	<5	<5	<5	7.18	890	<25	173	207	82	<20	<20	11	>10.00	4.52	6.34	1.88	0.41	354	15	<10	5	<5	7	<5	0.72	35
CQ00044		1	<5	2	<.5	56	4	65	3	144	46	<1.0	<5	9	<5	7.72	960	<25	160	197	90	<20	<20	8	9.70	5.02	6.08	1.82	0.42	342	11	<10	4	<5	5	<5	0.65	30
CQ00045		3	<5	1	<.5	65	5	62	3	142	44	<1.0	<5	9	<5	7.33	882	<25	144	173	60	<20	<20	7	9.72	4.71	5.91	1.78	0.39	348	9	<10	4	<5	<5	<5	0.44	24
CQ00046		2	<5	2	<.5	108	4	61	2	268	47	<1.0	<5	<5	<5	7.06	861	<25	154	231	103	<20	<20	8	8.82	4.76	5.72	1.74	0.49	325	11	<10	4	<5	5	<5	0.67	32
CQ00047		5	<5	11	0.6	990	13	75	2	1639	159	1.0	<5	<5	<5	9.83	718	<25	150	213	80	<20	<20	9	7.60	3.67	4.56	1.56	0.52	269	11	<10	3	<5	<5	<5	0.55	21
CQ00048		3	<5	6	<.5	337	7	61	1	555	79	<1.0	<5	17	<5	7.19	738	<25	168	163	84	<20	<20	9	9.55	3.93	5.77	1.98	0.54	329	12	<10	4	<5	<5	<5	0.50	31
CQ00049		3	5	8	<.5	432	9	57	3	587	82	<1.0	<5	<5	<5	7.02	655	<25	161	181	82	<20	<20	7	9.37	3.41	5.75	2.03	0.45	337	10	<10	5	<5	<5	<5	0.46	26
CQ00050		44	75	163	<.5	783	6	136	<1	15360	278	2.0	<5	<5	<5	>10.00	1047	<25	92	316	34	<20	<20	7	2.16	>10.00	0.88	0.58	0.42	53	6	<10	16	<5	<5	<5	0.10	15
CQ00051		2	<5	5	<.5	356	9	83	3	457	97	<1.0	<5	<5	<5	5.78	474	<25	166	388	75	<20	<20	5	>10.00	2.31	5.78	1.87	0.46	337	6	<10	6	<5	<5	<5	0.35	12
CQ00052		3	<5	9	<.5	211	5	66	<1	232	87	<1.0	<5	10	<5	7.56	644	<25	162	346	87	<20	<20	7	9.17	2.80	5.21	1.78	0.39	325	10	<10	5	<5	<5	<5	0.55	20
CQ00053		2	<5	2	<.5	105	2	73	<1	121	55	<1.0	<5	<5	<5	8.69	1031	<25	187	182	84	<20	<20	10	9.95	4.58	5.88	2.00	0.39	318	14	<10	5	<5	5	<5	0.58	46
CQ00054		1	<5	1	<.5	65	4	66	4	112	48	<1.0	<5	<5	<5	8.34	965	<25	161	186	85	<20	<20	10	9.51	4.78	5.80	1.89	0.32	320	14	<10	6	<5	<5	<5	0.58	36
CQ00055		2	<5	1	<.5	79	4	63	<1	130	44	<1.0	<5	<5	<5	7.66	866	<25	134	128	54	<20	<20	5	8.79	4.40	5.49	1.77	0.28	302	6	<10	5	<5	<5	<5	0.37	18
CQ00056		2	<5	3	<.5	137	8	65	2	267	46	<1.0	<5	<5	<5	6.65	736	<25	148	200	68	<20	<20	7	9.38	4.17	5.51	1.85	0.32	335	8	<10	5	<5	<5	<5	0.41	26
CQ00057		2	<5	3	<.5	251	9	74	<1	458	69	<1.0	<5	<5	<5	8.56	866	<25	156	173	76	<20	<20	6	10.00	4.70	5.63	1.84	0.33	318	7	<10	5	<5	<5	<5	0.40	20
CQ00058		2	<5	5	<.5	168	9	65	3	211	64	<1.0	<5	8	<5	9.14	902	<25	139	180	58	<20	<20	6	>10.00	4.85	5.87	1.88	0.34	320	8	<10	5	<5	<5	<5	0.40	20
CQ00059		2	<5	10	<.5	335	9	80	2	434	101	<1.0	<5	<5	6	8.66	616	<25	144	350	100	<20	<20	6	9.70	2.96	5.61	1.89	0.36	330	7	11	6	<5	<5	<5	0.40	19
CQ00060		1	<5	4	<.5	142	6	53	2	184	62	<1.0	<5	<5	<5	7.31	739	<25	130	125	54	<20	<20	<5	9.54	3.59	6.01	2.06	0.36	350	<5	<10	5	<5	<5	<5	0.22	11



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

PROJECT: XCAQUEN1.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 2B(4/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00031		0.248
CQ00032		0.075
CQ00033		0.170
CQ00034		0.593
CQ00035		0.139
CQ00036		0.595
CQ00037		0.082
CQ00038		0.083
CQ00039		0.919
CQ00040		0.100
CQ00041		0.090
CQ00042		0.102
CQ00043		0.175
CQ00044		0.118
CQ00045		0.148
CQ00046		0.228
CQ00047		2.550
CQ00048		0.917
CQ00049		1.223
CQ00050		5.993
CQ00051		1.453
CQ00052		1.479
CQ00053		0.413
CQ00054		0.440
CQ00055		0.417
CQ00056		0.557
CQ00057		1.012
CQ00058		1.118
CQ00059		2.410
CQ00060		0.942



BONDAR CLEGG



Geochemical Job Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 3A(5/16)

PROJECT: XCAQUENI_3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective values and units.



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

PROJECT: XCAQUENT.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 3B(6/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00061		0.820
CQ00062		0.954
CQ00063		2.334
CQ00064		1.636
CQ00065		1.705
CQ00066		2.215
CQ00067		1.714
CQ00068		1.434
CQ00069		0.410
CQ00070		0.364
CQ00071		1.680
CQ00072		0.816
CQ00073		0.418
CQ00074		2.324
CQ00075		5.336
CQ00076		1.928
CQ00077		0.323
CQ00078		0.316
CQ00079		0.742
CQ00080		0.242
CQ00081		0.385
CQ00082		0.250
CQ00083		1.300
CQ00084		0.388
CQ00085		3.517
CQ00086		1.105
CQ00087		0.910
CQ00088		1.848
CQ00089		0.998
CQ00090		1.039



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 4A(7/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00091		2	<5	2	<.5	190	<2	90	2	198	109	<1.0	<5	<5	<5	>10.00	1096	<25	247	292	223	<20	<20	9	7.95	4.11	5.33	1.91	0.52	243	17	<10	7	14	18	<5	1.29	47	
CQ00092		1	<5	2	<.5	29	<2	69	<1	36	44	1.8	<5	<5	<5	6.89	870	<25	220	337	200	<20	<20	9	7.27	4.41	4.62	2.13	0.64	261	16	<10	9	13	19	<5	0.96	65	
CQ00093		2	<5	1	<.5	16	<2	64	1	17	45	<1.0	<5	<5	<5	7.08	963	<25	224	405	189	<20	<20	8	7.89	4.02	5.20	2.27	0.49	268	16	<10	6	12	18	<5	1.14	51	
CQ00094		2	<5	<1	<.5	31	<2	86	<1	29	60	<1.0	<5	<5	<5	9.81	1291	<25	218	442	226	<20	<20	10	7.32	5.33	5.47	1.90	0.49	232	20	<10	8	13	23	<5	1.43	57	
CQ00095		<1	<5	1	<.5	18	<2	74	<1	20	39	<1.0	<5	<5	<5	7.16	1184	<25	228	522	244	<20	<20	10	7.71	4.87	4.68	2.21	0.50	238	19	<10	7	15	23	<5	0.87	51	
CQ00096		1	<5	<1	<.5	18	<2	77	<1	15	41	<1.0	<5	<5	<5	7.41	1164	<25	282	361	212	<20	<20	11	8.51	4.40	5.19	2.19	0.53	265	20	<10	9	13	21	<5	1.00	44	
CQ00097		2	<5	<1	<.5	19	<2	84	2	19	48	<1.0	<5	<5	<5	8.00	1222	<25	301	346	233	<20	<20	16	8.05	4.43	4.62	2.17	0.57	245	27	<10	8	16	21	<5	1.45	36	
CQ00098		1	<5	<1	<.5	12	<2	82	3	12	46	<1.0	<5	<5	<5	7.42	1175	<25	299	284	227	<20	<20	14	8.66	4.10	5.00	2.29	0.53	261	24	<10	6	15	22	<5	1.53	38	
CQ00099		<1	<5	<1	<.5	14	<2	84	2	16	49	<1.0	<5	<5	<5	7.60	1194	<25	276	296	257	<20	<20	12	8.69	4.04	5.09	2.20	0.52	264	22	<10	6	17	23	<5	1.61	39	
CQ00100		2	<5	<1	<.5	11	<2	77	<1	16	47	<1.0	<5	<5	<5	7.43	1195	<25	268	302	260	<20	<20	11	8.81	4.14	5.24	2.20	0.52	271	19	<10	7	16	23	<5	1.65	34	
CQ00101		1	<5	<1	<.5	11	<2	75	<1	15	47	<1.0	<5	<5	<5	7.16	1131	<25	260	306	259	<20	<20	10	8.31	3.98	4.89	2.23	0.55	266	19	<10	6	16	21	<5	1.69	36	
CQ00102		1	<5	<1	<.5	9	<2	66	<1	13	41	<1.0	<5	<5	<5	6.19	1022	<25	226	355	256	<20	<20	10	6.79	3.56	4.19	2.14	0.63	243	18	<10	6	17	18	<5	1.63	40	
CQ00103		<1	<5	<1	<.5	17	<2	85	2	17	53	<1.0	<5	<5	<5	7.97	1231	<25	331	263	275	<20	<20	14	7.91	4.10	4.66	2.22	0.61	257	25	<10	8	18	24	<5	1.97	45	
CQ00104		1	<5	1	<.5	83	<2	101	1	79	75	<1.0	<5	<5	<5	>10.00	1427	<25	348	192	226	<20	<20	21	7.32	3.87	4.37	2.02	0.60	235	33	<10	10	17	22	<5	2.13	48	
CQ00105		<1	<5	<1	<.5	23	<2	86	<1	34	57	<1.0	<5	<5	<5	8.67	1359	<25	316	181	232	<20	<20	10	8.49	4.20	4.76	2.04	0.60	263	18	<10	8	15	21	<5	1.72	30	
CQ00106		1	<5	<1	<.5	17	<2	86	<1	37	58	<1.0	<5	<5	<5	8.61	1308	<25	359	145	206	<20	<20	11	8.69	3.99	4.75	2.11	0.61	281	17	<10	9	12	20	<5	1.79	35	
CQ00107		1	<5	<1	<.5	14	<2	87	<1	54	54	<1.0	<5	<5	<5	9.12	1432	<25	339	146	193	<20	<20	10	8.60	4.39	4.80	2.04	0.55	277	17	<10	9	11	20	<5	1.52	31	
CQ00108		1	<5	<1	<.5	24	<2	86	2	106	58	<1.0	<5	<5	<5	8.49	1332	<25	317	120	195	<20	<20	9	8.69	4.17	4.74	2.12	0.57	282	15	<10	9	11	19	<5	1.72	30	
CQ00109		1	<5	<1	<.5	11	<2	82	1	73	54	<1.0	<5	6	<5	8.13	1248	<25	305	130	184	<20	<20	10	7.61	4.06	4.24	2.03	0.64	266	16	<10	8	11	18	<5	1.75	37	
CQ00110		1	<5	<1	<.5	18	5	90	<1	82	52	<1.0	<5	<5	<5	8.16	1217	<25	384	86	141	<20	<20	12	8.41	4.08	4.64	2.06	0.60	297	18	<10	8	8	18	<5	1.33	41	
CQ00111		<1	<5	<1	<.5	55	<2	110	1	125	62	<1.0	<5	<5	<5	8.92	1260	<25	487	107	146	<20	<20	17	7.96	3.77	4.28	1.86	0.72	293	24	<10	11	8	19	<5	1.63	52	
CQ00112		<1	<5	1	<.5	78	<2	70	1	129	68	<1.0	<5	<5	<5	9.02	1313	<25	568	106	175	<20	<20	20	6.91	3.97	4.09	1.52	0.91	247	23	<10	14	12	21	<5	1.83	84	
CQ00113		2	<5	1	<.5	23	42	97	2	32	30	<1.0	<5	<5	<5	4.88	722	<25	1447	128	73	<20	<20	50	6.39	1.09	1.90	1.90	1.31	169	23	<10	12	8	13	<5	0.94	168	
CQ00114		<1	<5	2	<.5	28	4	124	<1	21	63	<1.0	<5	<5	<5	>10.00	1563	<25	872	115	202	<20	<20	39	6.35	2.37	4.01	1.49	1.18	206	39	<10	6	17	24	<5	2.40	111	
CQ00115		1	<5	<1	<.5	31	3	112	1	23	63	<1.0	<5	<5	<5	9.84	1397	<25	706	111	210	<20	<20	32	6.78	2.58	4.05	1.58	1.17	220	34	<10	6	18	22	<5	2.51	81	
CQ00116		<1	<5	3	<.5	45	2	101	2	44	66	<1.0	<5	<5	<5	9.81	1429	<25	642	91	189	<20	<20	31	7.24	2.71	4.53	1.67	1.21	234	35	<10	12	15	21	<5	2.23	73	
CQ00117		2	<5	<1	<.5	19	<2	102	1	11	62	<1.0	<5	<5	<5	9.02	1358	<25	679	84	222	<20	<20	31	7.49	2.33	4.41	1.86	1.15	251	35	<10	6	19	22	<5	2.54	87	
CQ00118		2	<5	<1	<.5	26	<2	111	6	13	63	<1.0	<5	12	<5	9.68	1207	<25	438	130	228	<20	<20	32	6.89	2.73	3.99	1.64	0.78	209	36	<10	17	19	23	<5	2.82	80	
CQ00119		<1	<5	1	<.5	46	<2	91	2	27	62	<1.0	<5	<5	<5	8.01	1108	<25	650	178	201	<20	<20	32	7.36	2.13	4.07	1.78	1.17	255	35	<10	13	18	23	<5	2.42	110	
CQ00120		2	8	7	<.5	130	34	1120	5	125	66	2.6	<5	7	<5	>10.00	2354	<25	1257	308	212	<20	<20	66	>10.00	3.52	1.87	1.93	0.98	270	23	24	64	16	26	8	0.61	75	



BONDAR CLEGG



Geochemical Job Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 4B(8/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00091		1.873
CQ00092		0.222
CQ00093		0.174
CQ00094		0.351
CQ00095		0.247
CQ00096		0.195
CQ00097		0.220
CQ00098		0.135
CQ00099		0.175
CQ00100		0.114
CQ00101		0.120
CQ00102		0.099
CQ00103		0.160
CQ00104		0.839
CQ00105		0.237
CQ00106		0.192
CQ00107		0.158
CQ00108		0.195
CQ00109		0.100
CQ00110		0.164
CQ00111		0.371
CQ00112		0.310
CQ00113		0.287
CQ00114		0.183
CQ00115		0.185
CQ00116		0.272
CQ00117		0.169
CQ00118		0.114
CQ00119		0.376
CQ00120		1.374



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 5A(9/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00121		3	8	7	<.5	159	23	3361	2	133	65	7.8	<5	<5	<5	>10.00	1934	<25	957	315	215	<20	<20	50	>10.00	2.42	2.32	1.84	0.96	318	19	24	56	13	18	<5	0.57	75	
CQ00122		1	6	7	<.5	135	33	1167	5	134	70	2.6	<5	<5	<5	>10.00	2464	<25	992	314	220	<20	<20	63	>10.00	2.94	1.92	1.78	1.17	267	23	23	65	16	24	<5	0.56	71	



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Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PROJECT: XCAQUENI.3712
PAGE 5B(10/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00121		1.569
CQ00122		1.438



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 6A(11/16)

PROJECT: XCAQUENI.3712

Table with columns for STANDARD NAME, ELEMENT UNITS, and various chemical elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective values and units.



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CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 68(12/16)

PROJECT: XCAQUEN1.3712

STANDARD NAME	ELEMENT UNITS	S PCT
---------------	---------------	-------

ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	-	

ANALYTICAL BLANK	-	
Number of Analyses	4	
Mean Value	0.001	
Standard Deviation	-	
Accepted Value	<.001	

ST 260	-	
ST 260	-	
ST 260	-	
Number of Analyses	-	
Mean Value	-	
Standard Deviation	-	
Accepted Value	-	

CANMET STSD-4	0.109	
CANMET STSD-4	0.109	
Number of Analyses	2	
Mean Value	0.109	
Standard Deviation	<.001	
Accepted Value	0.090	



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 7A(13/16)

PROJECT: XCAQUEN1.3712

Table with columns: STANDARD NAME, ELEMENT UNITS, and various elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective values in PPM, PCT, or other units.



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Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
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PROJECT: XCAQUEN1.3712
PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 248		-
ST 248		-
ST 248		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

GS91-1	0.032
Number of Analyses	1
Mean Value	0.032
Standard Deviation	-
Accepted Value	0.030

CANMET LKSD-2	0.165
Number of Analyses	1
Mean Value	0.165
Standard Deviation	-
Accepted Value	0.140



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 8A(15/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00001		4	7	6	<.5	581	10	128	2	1221	130	1.1	<5	<5	<5	>10.00	952	<25	152	342	124	<20	<20	9	9.18	5.73	4.95	1.32	0.40	295	11	10	14	6	<5	<5	0.46	26	
Duplicate		3	5	6	<.5	600	8	132	3	1274	135	<1.0	<5	<5	<5	>10.00	975	<25	157	386	122	<20	<20	9	9.25	5.72	4.96	1.29	0.39	278	11	<10	14	5	<5	<5	0.47	25	
CQ00019		5	<5	6	<.5	368	2	59	1	846	56	<1.0	<5	8	<5	6.55	756	<25	131	120	65	<20	<20	6	7.89	3.94	5.47	1.55	0.33	320	8	<10	5	<5	<5	<5	0.44	26	
Duplicate					<.5	367	2	62	<1	834	55	<1.0	<5	<5	<5	6.63	769	<25	133	104	65	<20	<20	6	8.20	4.07	5.77	1.55	0.33	327	8	<10	5	<5	<5	<5	0.44	25	
CQ00024		9	13	14	0.6	1470	9	111	<1	3739	168	1.3	<5	<5	<5	>10.00	1199	<25	146	214	90	<20	<20	9	7.17	6.09	4.82	1.23	0.47	234	12	<10	6	<5	<5	<5	0.55	12	
Duplicate		8	10	13																																			
CQ00038		<1	<5	<1	<.5	45	2	50	2	128	37	<1.0	<5	6	<5	6.82	830	<25	140	110	64	<20	<20	7	9.54	4.91	5.83	1.63	0.38	332	9	<10	8	<5	<5	<5	0.47	25	
Duplicate					<.5	44	3	49	<1	129	37	<1.0	<5	<5	<5	6.76	821	<25	139	130	64	<20	<20	7	9.34	4.86	5.68	1.63	0.37	329	9	<10	8	<5	<5	<5	0.47	25	
CQ00047		5	<5	11	0.6	990	13	75	2	1639	159	1.0	<5	<5	<5	9.83	718	<25	150	213	80	<20	<20	9	7.60	3.67	4.56	1.56	0.52	269	11	<10	3	<5	<5	<5	0.55	21	
Duplicate		5	7	11																																			
CQ00056		2	<5	3	<.5	137	8	65	2	267	46	<1.0	<5	<5	<5	6.65	736	<25	148	200	68	<20	<20	7	9.38	4.17	5.51	1.85	0.32	335	8	<10	5	<5	<5	<5	0.41	26	
Duplicate					<.5	138	5	64	<1	260	45	<1.0	<5	7	<5	6.69	722	<25	145	187	66	<20	<20	7	9.41	3.98	5.34	1.77	0.28	326	8	<10	5	<5	<5	<5	0.39	24	
CQ00070		2	<5	1	<.5	108	4	79	<1	128	56	<1.0	<5	<5	<5	9.32	1252	<25	222	404	247	<20	<20	13	7.69	4.60	6.16	2.04	0.52	256	20	<10	5	16	19	<5	1.09	50	
Duplicate		2	<5	<1																																			
CQ00075		44	73	162	<.5	676	6	123	<1	13438	312	1.8	<5	<5	5	>10.00	830	<25	97	311	33	<20	<20	5	1.97	>10.00	0.77	0.67	0.48	47	6	<10	14	<5	<5	<5	0.10	20	
Duplicate					<.5	692	5	122	<1	13606	313	1.9	<5	<5	<5	>10.00	836	<25	94	389	33	<20	<20	5	2.01	>10.00	0.76	0.72	0.53	47	6	<10	15	<5	<5	7	0.11	21	
CQ00092		1	<5	2	<.5	29	<2	69	<1	36	44	1.8	<5	<5	<5	6.89	870	<25	220	337	200	<20	<20	9	7.27	4.41	4.62	2.13	0.64	261	16	<10	9	13	19	<5	0.96	65	
Duplicate					<.5	32	<2	78	<1	47	51	<1.0	<5	<5	<5	7.93	994	<25	250	313	201	<20	<20	9	8.27	4.70	5.25	2.02	0.55	265	16	<10	9	12	19	<5	1.01	54	
CQ00093		2	<5	1	<.5	16	<2	64	1	17	45	<1.0	<5	<5	<5	7.08	963	<25	224	405	189	<20	<20	8	7.89	4.02	5.20	2.27	0.49	268	16	<10	6	12	18	<5	1.14	51	
Duplicate		<1	<5	<1																																			
CQ00112		<1	<5	1	<.5	78	<2	70	1	129	68	<1.0	<5	<5	<5	9.02	1313	<25	568	106	175	<20	<20	20	6.91	3.97	4.09	1.52	0.91	247	23	<10	14	12	21	<5	1.83	84	
Duplicate					<.5	79	3	69	2	131	68	<1.0	<5	<5	<5	9.23	1338	<25	577	114	176	<20	<20	21	7.05	3.92	4.14	1.51	1.08	250	23	<10	14	12	22	<5	1.79	90	
CQ00116		<1	<5	3	<.5	45	2	101	2	44	66	<1.0	<5	<5	<5	9.81	1429	<25	642	91	189	<20	<20	31	7.24	2.71	4.53	1.67	1.21	234	35	<10	12	15	21	<5	2.23	73	
Duplicate		1	<5	4																																			



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REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PROJECT: XCAQUEN1.3712
PAGE 88(16/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00001		1.384
Duplicate		1.422
CQ00019		0.519
Duplicate		0.508
CQ00024		2.332
Duplicate		
CQ00038		0.083
Duplicate		0.081
CQ00047		2.550
Duplicate		
CQ00056		0.557
Duplicate		0.522
CQ00070		0.364
Duplicate		
CQ00075		5.336
Duplicate		5.460
CQ00092		0.222
Duplicate		0.267
CQ00093		0.174
Duplicate		
CQ00112		0.310
Duplicate		0.302
CQ00116		0.272
Duplicate		



BONDAR CLEGG



WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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Geochemical I Report

REPORT: V01-00790.0 (COMPLETE)

REFERENCE: ORDER #JMM02

CLIENT: WMC EXPLORATION INC.
PROJECT: XCAQUENI.3712

SUBMITTED BY: J. MCKINNON-MATTHEWS
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 36 rows of analytical data for various elements like Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Cd, Bi, As, Sb, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti.

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 2 rows of analytical data for Zr and S.

Table with columns: SAMPLE TYPES, NUMBER, SIZE FRACTIONS, NUMBER, SAMPLE PREPARATIONS, NUMBER. Contains 2 rows of sample preparation data for DRILL CORE and PREPARED PULP.

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS MR. KELLY MONIER
INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENT.3712

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 1A(1/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00001		4	7	6	<.5	581	10	128	2	1221	130	1.1	<.5	<.5	<.5	>10.00	952	<25	152	342	124	<20	<20	9	9.18	5.73	4.95	1.32	0.40	295	11	10	14	6	<.5	<.5	0.46	26	
CQ00002		2	<.5	3	<.5	330	5	74	<1	615	101	<1.0	<.5	14	<.5	9.27	954	<25	158	119	68	<20	<20	9	9.64	5.20	5.62	1.56	0.38	307	13	<10	12	<.5	<.5	<.5	0.60	29	
CQ00003		2	<.5	2	<.5	267	9	65	2	600	83	<1.0	<.5	6	<.5	8.31	927	<25	154	104	72	<20	<20	9	9.62	5.00	5.69	1.65	0.36	321	12	<10	10	<.5	<.5	<.5	0.55	30	
CQ00004		5	<.5	5	<.5	594	9	72	2	1576	108	<1.0	<.5	<.5	<.5	8.61	858	<25	171	92	63	<20	<20	9	>10.00	4.59	6.17	1.80	0.41	356	12	<10	5	<.5	<.5	<.5	0.63	32	
CQ00005		6	6	7	<.5	761	9	75	3	1883	112	<1.0	<.5	<.5	<.5	8.60	864	<25	162	108	83	<20	<20	10	9.99	4.44	6.08	1.75	0.38	338	14	<10	6	<.5	<.5	7	0.66	35	
CQ00006		4	7	5	0.5	966	9	96	1	2160	122	<1.0	<.5	14	<.5	>10.00	961	<25	157	191	83	<20	<20	8	9.60	5.47	5.36	1.39	0.39	298	11	<10	8	<.5	<.5	<.5	0.45	22	
CQ00007		8	7	5	0.5	892	5	87	1	2796	119	<1.0	<.5	<.5	<.5	>10.00	993	<25	117	126	66	<20	<20	7	8.03	6.34	4.72	1.29	0.35	276	10	<10	7	<.5	<.5	<.5	0.38	18	
CQ00008		<1	<.5	<1	<.5	40	<2	47	3	97	29	<1.0	<.5	8	<.5	4.61	654	<25	313	94	107	<20	<20	17	10.00	2.02	6.15	2.64	0.56	404	24	<10	4	8	8	<.5	0.98	67	
CQ00009		8	9	12	0.8	1237	<2	81	2	2090	81	<1.0	<.5	6	<.5	9.36	934	<25	224	121	127	<20	<20	14	8.74	3.42	5.66	1.94	0.46	333	19	<10	6	7	6	<.5	1.25	42	
CQ00010		<1	<.5	<1	<.5	32	<2	74	<1	131	91	<1.0	<.5	26	<.5	9.62	1273	30	227	229	415	<20	<20	19	6.53	3.63	6.46	1.88	0.45	262	31	<10	6	29	31	<.5	4.24	29	
CQ00011		<1	<.5	2	<.5	52	<2	66	2	102	48	<1.0	<.5	<.5	<.5	7.67	1038	<25	228	242	242	<20	<20	19	8.27	3.92	6.22	2.16	0.45	317	28	<10	5	17	18	<.5	1.45	52	
CQ00012		2	<.5	5	<.5	226	4	78	1	542	63	<1.0	<.5	<.5	<.5	9.80	1177	<25	137	141	85	<20	<20	9	7.67	6.25	4.67	1.53	0.34	270	12	<10	7	<.5	<.5	<.5	0.57	24	
CQ00013		3	<.5	8	<.5	531	<2	68	<1	849	62	<1.0	<.5	<.5	<.5	8.46	925	<25	132	91	47	<20	<20	8	9.05	5.35	5.17	1.72	0.31	326	10	<10	6	<.5	<.5	<.5	0.45	26	
CQ00014		5	10	25	<.5	907	6	83	<1	1632	107	<1.0	<.5	10	<.5	>10.00	986	<25	120	137	75	<20	<20	7	9.50	5.95	5.56	1.52	0.27	302	10	<10	4	<.5	<.5	<.5	0.43	21	
CQ00015		3	6	10	<.5	630	9	99	<1	1308	96	<1.0	<.5	<.5	<.5	7.82	687	<25	174	471	140	<20	<20	9	>10.00	4.16	6.42	1.50	0.37	365	9	11	6	7	<.5	<.5	0.40	19	
CQ00016		3	5	9	<.5	391	7	70	1	986	75	<1.0	<.5	<.5	<.5	8.95	939	<25	120	99	50	<20	<20	7	>10.00	5.58	5.81	1.61	0.25	328	8	<10	5	<.5	<.5	<.5	0.36	18	
CQ00017		2	<.5	5	<.5	191	6	60	<1	442	52	<1.0	<.5	6	<.5	7.83	949	<25	150	123	60	<20	<20	8	>10.00	5.13	6.08	1.68	0.37	345	10	<10	5	<.5	<.5	<.5	0.48	38	
CQ00018		10	5	15	<.5	862	7	93	1	1878	88	<1.0	<.5	<.5	<.5	8.23	807	<25	150	112	55	<20	<20	7	9.04	4.23	5.53	1.43	0.35	325	9	<10	5	<.5	<.5	<.5	0.43	33	
CQ00019		5	<.5	6	<.5	368	2	59	1	846	56	<1.0	<.5	8	<.5	6.55	756	<25	131	120	65	<20	<20	6	7.89	3.94	5.47	1.55	0.33	320	8	<10	5	<.5	<.5	<.5	0.44	26	
CQ00020		2	<.5	5	<.5	318	7	62	3	585	55	<1.0	<.5	<.5	<.5	7.42	853	<25	178	113	64	<20	<20	11	9.55	4.50	5.60	1.92	0.45	346	14	<10	5	<.5	<.5	<.5	0.68	43	
CQ00021		6	<.5	16	<.5	653	6	75	2	1356	83	<1.0	<.5	13	<.5	9.10	996	<25	171	158	112	<20	<20	14	8.19	4.66	5.54	1.76	0.35	294	20	<10	4	6	7	<.5	1.04	56	
CQ00022		5	<.5	5	<.5	329	6	63	2	591	56	<1.0	<.5	14	<.5	7.64	876	<25	179	117	62	<20	<20	10	9.84	4.56	5.62	1.88	0.39	343	13	<10	5	<.5	<.5	<.5	0.66	42	
CQ00023		3	<.5	5	<.5	295	5	71	3	636	60	<1.0	<.5	9	<.5	8.56	985	<25	167	135	61	<20	<20	9	9.86	5.46	5.89	1.77	0.43	333	12	<10	4	<.5	<.5	<.5	0.50	29	
CQ00024		9	13	14	0.6	1470	9	111	<1	3739	168	1.3	<.5	<.5	<.5	>10.00	1199	<25	146	214	90	<20	<20	9	7.17	6.09	4.82	1.23	0.47	234	12	<10	6	<.5	<.5	<.5	0.55	12	
CQ00025		44	61	145	<.5	816	9	139	2	15803	286	2.1	<.5	<.5	<.5	>10.00	1076	<25	51	328	35	<20	<20	7	2.22	>10.00	0.90	0.58	0.35	54	6	<10	17	<.5	<.5	11	0.11	14	
CQ00026		3	<.5	6	<.5	435	6	71	1	955	73	<1.0	<.5	13	<.5	8.84	941	<25	157	114	64	<20	<20	7	>10.00	5.13	6.22	1.85	0.34	348	9	<10	5	<.5	<.5	<.5	0.44	20	
CQ00027		3	5	5	<.5	405	7	62	<1	774	64	<1.0	<.5	<.5	<.5	7.43	794	<25	166	189	68	<20	<20	6	9.92	4.47	6.00	1.64	0.44	337	8	<10	5	<.5	<.5	<.5	0.41	21	
CQ00028		<1	<.5	2	<.5	130	4	51	<1	289	44	<1.0	<.5	9	<.5	6.34	728	<25	160	112	39	<20	<20	7	9.89	4.42	5.96	1.75	0.39	346	8	<10	4	<.5	<.5	<.5	0.38	24	
CQ00029		3	<.5	5	<.5	188	5	56	<1	524	53	<1.0	<.5	7	<.5	6.16	714	<25	150	73	47	<20	<20	6	8.55	3.64	5.52	1.68	0.39	326	8	<10	5	<.5	<.5	<.5	0.48	22	
CQ00030		3	<.5	5	<.5	258	3	58	2	521	55	<1.0	<.5	11	<.5	6.48	687	<25	176	127	47	<20	<20	7	9.66	3.87	5.66	1.79	0.46	367	8	<10	3	<.5	<.5	<.5	0.37	26	



BONDAR CLEGG



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

PROJECT: XCAQUEN1.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 1B(2/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00001		1.384
CQ00002		0.854
CQ00003		0.681
CQ00004		1.181
CQ00005		1.284
CQ00006		1.279
CQ00007		1.201
CQ00008		0.089
CQ00009		1.414
CQ00010		0.132
CQ00011		0.138
CQ00012		0.291
CQ00013		0.604
CQ00014		1.412
CQ00015		1.319
CQ00016		0.800
CQ00017		0.273
CQ00018		1.137
CQ00019		0.519
CQ00020		0.408
CQ00021		0.881
CQ00022		0.408
CQ00023		0.384
CQ00024		2.332
CQ00025		6.081
CQ00026		0.679
CQ00027		0.628
CQ00028		0.225
CQ00029		0.406
CQ00030		0.570



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Geochemical Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

PROJECT: XCAQUENT.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 2A(3/16)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective values and units.



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 2B(4/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00031		0.248
CQ00032		0.075
CQ00033		0.170
CQ00034		0.593
CQ00035		0.139
CQ00036		0.595
CQ00037		0.082
CQ00038		0.083
CQ00039		0.919
CQ00040		0.100
CQ00041		0.090
CQ00042		0.102
CQ00043		0.175
CQ00044		0.118
CQ00045		0.148
CQ00046		0.228
CQ00047		2.550
CQ00048		0.917
CQ00049		1.223
CQ00050		5.993
CQ00051		1.453
CQ00052		1.479
CQ00053		0.413
CQ00054		0.440
CQ00055		0.417
CQ00056		0.557
CQ00057		1.012
CQ00058		1.118
CQ00059		2.410
CQ00060		0.942



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 3A(5/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective concentrations.



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Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PROJECT: XCAQUENI.3712
PAGE 3B(6/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00061		0.820
CQ00062		0.954
CQ00063		2.334
CQ00064		1.636
CQ00065		1.705
CQ00066		2.215
CQ00067		1.714
CQ00068		1.434
CQ00069		0.410
CQ00070		0.364
CQ00071		1.680
CQ00072		0.816
CQ00073		0.418
CQ00074		2.324
CQ00075		5.336
CQ00076		1.928
CQ00077		0.323
CQ00078		0.316
CQ00079		0.742
CQ00080		0.242
CQ00081		0.385
CQ00082		0.250
CQ00083		1.300
CQ00084		0.388
CQ00085		3.517
CQ00086		1.105
CQ00087		0.910
CQ00088		1.848
CQ00089		0.998
CQ00090		1.039



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 4A(7/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective concentrations in PPM or PCT.



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PROJECT: XCAQUENI.3712
PAGE 4B(8/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00091		1.873
CQ00092		0.222
CQ00093		0.174
CQ00094		0.351
CQ00095		0.247
CQ00096		0.195
CQ00097		0.220
CQ00098		0.135
CQ00099		0.175
CQ00100		0.114
CQ00101		0.120
CQ00102		0.099
CQ00103		0.160
CQ00104		0.839
CQ00105		0.237
CQ00106		0.192
CQ00107		0.158
CQ00108		0.195
CQ00109		0.100
CQ00110		0.164
CQ00111		0.371
CQ00112		0.310
CQ00113		0.287
CQ00114		0.183
CQ00115		0.185
CQ00116		0.272
CQ00117		0.169
CQ00118		0.114
CQ00119		0.376
CQ00120		1.374



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Geochemical I b Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 5A(9/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PPM	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00121		3	8	7	<.5	159	23	3361	2	133	65	7.8	<5	<5	<5	>10.00	1934	<25	957	315	215	<20	<20	50	>10.00	2.42	2.32	1.84	0.96	318	19	24	56	13	18	<5	0.57	75	
CQ00122		1	6	7	<.5	135	33	1167	5	134	70	2.6	<5	<5	<5	>10.00	2464	<25	992	314	220	<20	<20	63	>10.00	2.94	1.92	1.78	1.17	267	23	23	65	16	24	<5	0.56	71	



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CLIENT: WMC EXPLORATION INC.
REPORT: VD1-00790.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 58(10/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00121		1.569
CQ00122		1.438

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PROJECT: XCAQUENI.3712
PAGE 6A(11/16)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	
ANALYTICAL BLANK		2	<5	<1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		<1	<5	1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		3	<5	<1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5		
ANALYTICAL BLANK		2	<5	<1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5		
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ANALYTICAL BLANK		2	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses		6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mean Value		2	3	<1	0.3	<1	1	1	<1	<1	<1	0.5	3	3	3	<0.01	3	13	3	1	2	10	10	3	<0.01	<0.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	<.01	3		
Standard Deviation		<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		5	5	5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	<1		
ST 260		834	2180	1526	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		797	2142	1440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		850	2287	1530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		827	2203	1499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		27	75	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET STSD-4		-	-	<.5	69	17	98	<1	30	14	<1.0	<5	20	<5	3.90	1465	<25	1690	79	91	<20	<20	21	6.01	1.20	2.70	1.81	1.17	360	20	<10	14	10	6	<5	0.43	65			
CANMET STSD-4		-	-	<.5	69	20	98	2	30	18	<1.0	<5	17	9	3.81	1318	<25	1664	76	92	<20	<20	19	6.20	1.28	2.64	1.83	1.13	330	21	<10	13	10	12	<5	0.44	55			
Number of Analyses		-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mean Value		-	-	0.3	69	18	98	1	30	16	0.5	3	19	6	3.85	1391	13	1677	77	91	10	10	20	6.10	1.24	2.67	1.82	1.15	345	20	5	14	10	9	3	0.44	60			
Standard Deviation		-	-	-	-	2	<1	<1	<1	3	-	-	2	4	0.06	104	-	18	2	<1	-	-	1	0.13	0.06	0.04	0.01	0.03	21	<1	-	<1	<1	4	-	0.01	7			
Accepted Value		-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46	53			



BONDAR CLEGG



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 6B(12/16)

STANDARD NAME	ELEMENT UNITS	S PCT
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		-
ANALYTICAL BLANK		-
Number of Analyses		4
Mean Value		0.001
Standard Deviation		-
Accepted Value		<.001
ST 260		-
ST 260		-
ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-
CANMET STSD-4		0.109
CANMET STSD-4		0.109
Number of Analyses		2
Mean Value		0.109
Standard Deviation		<.001
Accepted Value		0.090



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 7A(13/16)

PROJECT: XCAQUENI.3712

Table with columns for STANDARD NAME, ELEMENT UNITS, and various elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with corresponding values for ST 248, GS91-1, and CANMET LKSD-2.

CLIENT: WMC EXPLORATION INC.
REPORT: VD1-00790.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 248		-
ST 248		-
ST 248		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

GS91-1	0.032
Number of Analyses	1
Mean Value	0.032
Standard Deviation	-
Accepted Value	0.030

CANMET LKSD-2	0.165
Number of Analyses	1
Mean Value	0.165
Standard Deviation	-
Accepted Value	0.140



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00790.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01 PAGE 8A(15/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective concentrations in PPB, PPM, or PCT.



BONDAR CLEGG



CLIENT: WMC EXPLORATION INC.
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DATE PRINTED: 14-MAY-01

PAGE 8B(16/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00001		1.384
Duplicate		1.422
CQ00019		0.519
Duplicate		0.508
CQ00024		2.332
Duplicate		
CQ00038		0.083
Duplicate		0.081
CQ00047		2.550
Duplicate		
CQ00056		0.557
Duplicate		0.522
CQ00070		0.364
Duplicate		
CQ00075		5.336
Duplicate		5.460
CQ00092		0.222
Duplicate		0.267
CQ00093		0.174
Duplicate		
CQ00112		0.310
Duplicate		0.302
CQ00116		0.272
Duplicate		



BONDAR CLEGG



Geochemical Lab Report

WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical I Report

REPORT: V01-00791.0 (COMPLETE)

REFERENCE: ORDER #JMM02

CLIENT: WMC EXPLORATION INC.
PROJECT: XCAQUENI.3712

SUBMITTED BY: J. MCKINNON-MATTHEWS
DATE RECEIVED: 09-MAY-01 DATE PRINTED: 15-MAY-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 36 rows of analytical data for various elements like Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti.

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 2 rows of analytical data for Zr and S.

Table with columns: SAMPLE TYPES, NUMBER, SIZE FRACTIONS, NUMBER, SAMPLE PREPARATIONS, NUMBER. Contains 2 rows of sample preparation data for DRILL CORE and PREPARED PULP.

REMARKS: Sample CQ00257 was lost in prep.

Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 1A(1/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PPM	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00123		1	<5	2	<.5	36	13	88	4	34	37	<1.0	<5	<5	<5	8.51	1204	<25	677	95	139	<20	<20	33	6.59	1.78	3.10	2.00	1.51	179	35	<10	19	13	19	<5	1.30	190	
CQ00124		1	<5	<1	<.5	16	6	81	<1	60	35	<1.0	<5	<5	<5	7.70	1168	<25	596	139	88	<20	<20	14	8.39	2.57	3.86	2.20	0.85	331	13	<10	13	6	8	<5	0.81	63	
CQ00125		50	79	178	<.5	792	7	137	<1	14892	292	2.9	<5	<5	<5	>10.00	1026	<25	107	298	32	<20	<20	<5	2.15	>10.00	0.81	0.63	0.42	50	6	<10	14	<5	<5	5	0.09	30	
CQ00126		2	<5	<1	<.5	46	8	83	3	38	38	<1.0	<5	11	<5	7.36	1160	<25	974	261	133	<20	<20	41	7.27	1.56	3.41	1.86	1.87	241	29	<10	9	13	16	<5	1.52	192	
CQ00127		2	<5	<1	<.5	46	9	83	3	36	38	<1.0	<5	<5	<5	7.36	1163	<25	971	248	130	<20	<20	41	7.27	1.55	3.43	1.83	2.04	237	29	<10	9	13	16	<5	1.52	185	
CQ00128		1	<5	<1	<.5	70	10	57	<1	90	43	<1.0	<5	15	<5	6.98	815	<25	851	155	82	<20	<20	21	9.13	2.96	3.58	2.14	1.21	291	8	<10	16	<5	<5	<5	0.88	43	
CQ00129		2	<5	<1	<.5	15	23	73	4	15	26	<1.0	<5	5	<5	5.47	1164	<25	1539	315	127	<20	<20	75	7.08	1.71	2.07	1.97	2.08	207	17	<10	36	12	11	<5	1.09	179	
CQ00130		3	<5	2	<.5	10	29	82	2	10	17	<1.0	<5	17	<5	3.54	460	<25	1783	298	147	<20	<20	127	8.04	1.48	1.25	1.91	2.97	259	11	<10	36	12	7	<5	0.63	239	
CQ00131		1	<5	<1	<.5	28	6	61	<1	257	44	<1.0	<5	<5	<5	7.01	893	<25	199	144	61	<20	<20	9	>10.00	4.83	5.77	2.16	0.40	341	14	<10	5	<5	8	<5	0.58	52	
CQ00132		1	<5	<1	<.5	30	4	63	<1	255	45	<1.0	<5	<5	<5	6.93	887	<25	196	83	66	<20	<20	9	>10.00	4.96	5.80	2.17	0.41	351	14	<10	5	<5	8	<5	0.64	58	
CQ00133		1	<5	<1	<.5	28	2	57	2	207	40	<1.0	<5	7	<5	6.45	829	<25	187	144	66	<20	<20	8	>10.00	4.33	5.74	2.13	0.39	349	14	<10	5	<5	9	<5	0.61	57	
CQ00134		1	<5	1	<.5	28	2	58	2	224	40	<1.0	<5	<5	<5	6.51	840	<25	188	74	66	<20	<20	7	>10.00	4.70	5.98	2.13	0.40	360	13	<10	6	<5	9	<5	0.63	54	
CQ00135		1	<5	<1	<.5	32	4	66	<1	290	47	<1.0	<5	<5	<5	7.48	946	<25	168	145	61	<20	<20	7	>10.00	5.34	5.72	2.04	0.36	325	12	<10	5	<5	8	<5	0.57	48	
CQ00136		1	<5	<1	<.5	30	3	60	<1	232	44	<1.0	<5	10	<5	7.07	862	<25	193	154	66	<20	<20	12	>10.00	5.09	6.14	2.14	0.52	331	19	<10	5	<5	13	<5	0.71	66	
CQ00137		2	<5	<1	<.5	31	<2	62	2	264	45	<1.0	<5	<5	<5	6.98	887	<25	178	99	64	<20	<20	7	>10.00	5.15	5.97	2.10	0.35	331	13	<10	5	<5	8	<5	0.61	54	
CQ00138		1	<5	1	<.5	33	4	63	<1	255	45	<1.0	<5	<5	7	7.17	893	<25	189	150	63	<20	<20	9	>10.00	4.99	6.26	2.13	0.41	336	15	<10	5	<5	9	<5	0.62	60	
CQ00139		1	<5	<1	<.5	31	<2	58	<1	226	41	<1.0	<5	<5	<5	6.67	841	<25	176	107	65	<20	<20	9	>10.00	4.67	6.16	2.05	0.41	326	15	<10	5	<5	11	<5	0.63	52	
CQ00140		1	<5	<1	<.5	33	5	62	2	265	45	<1.0	<5	<5	<5	6.98	886	<25	170	99	58	<20	<20	7	>10.00	5.23	5.75	2.05	0.33	320	13	<10	4	<5	6	<5	0.61	49	
CQ00141		2	<5	<1	<.5	33	<2	70	2	262	45	<1.0	<5	<5	<5	7.01	890	<25	179	122	61	<20	<20	7	>10.00	5.04	5.73	2.06	0.34	314	13	<10	5	<5	7	<5	0.61	52	
CQ00142		1	<5	<1	<.5	30	<2	51	<1	221	37	<1.0	<5	<5	<5	5.69	736	<25	146	132	58	<20	<20	7	8.63	4.63	4.93	1.97	0.34	298	12	<10	4	<5	7	<5	0.54	52	
CQ00143		2	<5	2	<.5	29	4	59	<1	222	37	<1.0	<5	<5	<5	5.65	741	<25	147	108	60	<20	<20	6	7.61	4.43	4.76	2.01	0.30	303	11	<10	5	<5	5	<5	0.53	46	
CQ00144		2	<5	2	<.5	35	2	61	<1	256	44	<1.0	<5	8	<5	6.93	882	<25	182	117	61	<20	<20	7	>10.00	5.05	5.99	2.08	0.34	325	13	<10	4	<5	7	<5	0.62	53	
CQ00145		1	<5	<1	<.5	33	<2	59	2	232	42	<1.0	<5	<5	<5	6.41	843	<25	174	111	64	<20	<20	6	9.45	4.67	6.01	2.09	0.28	321	11	<10	4	<5	7	<5	0.60	46	
CQ00146		2	<5	<1	<.5	41	7	63	1	280	46	<1.0	<5	5	<5	7.21	918	<25	163	122	57	<20	<20	6	>10.00	5.21	5.81	1.96	0.30	308	12	<10	4	<5	7	<5	0.55	44	
CQ00147		2	<5	1	<.5	38	8	65	3	266	46	<1.0	<5	<5	<5	7.21	917	<25	172	115	58	<20	<20	7	>10.00	5.13	5.70	1.99	0.33	309	13	<10	4	<5	6	<5	0.58	49	
CQ00148		2	<5	<1	<.5	36	<2	61	<1	231	43	<1.0	<5	<5	<5	6.82	879	<25	175	137	61	<20	<20	7	>10.00	4.56	5.86	2.02	0.33	315	13	<10	4	<5	7	<5	0.57	51	
CQ00149		1	<5	1	<.5	35	4	62	1	240	44	<1.0	<5	<5	<5	6.80	884	<25	174	105	60	<20	<20	7	>10.00	4.78	5.79	2.00	0.36	319	13	<10	5	<5	7	<5	0.59	49	
CQ00150		42	64	141	<.5	792	8	135	<1	14902	289	2.4	<5	<5	<5	>10.00	1021	<25	93	304	30	<20	<20	<5	2.12	>10.00	0.80	0.59	0.40	47	6	<10	13	<5	<5	<5	0.10	28	
CQ00151		2	<5	1	<.5	38	<2	61	1	241	43	<1.0	<5	7	<5	6.80	879	<25	164	90	59	<20	<20	7	9.88	5.03	5.45	1.75	0.41	311	12	<10	16	<5	7	<5	0.56	44	
CQ00152		2	<5	<1	<.5	39	<2	62	2	218	42	<1.0	<5	<5	<5	6.87	890	<25	183	71	62	<20	<20	7	>10.00	4.61	5.86	2.07	0.35	323	13	<10	5	<5	7	<5	0.64	51	

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

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DATE RECEIVED: 09-MAY-01

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PAGE 1B(2/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00123		0.364
CQ00124		0.068
CQ00125		5.397
CQ00126		0.129
CQ00127		0.132
CQ00128		0.095
CQ00129		0.040
CQ00130		0.054
CQ00131		0.082
CQ00132		0.083
CQ00133		0.082
CQ00134		0.084
CQ00135		0.087
CQ00136		0.088
CQ00137		0.083
CQ00138		0.085
CQ00139		0.087
CQ00140		0.085
CQ00141		0.084
CQ00142		0.071
CQ00143		0.065
CQ00144		0.086
CQ00145		0.083
CQ00146		0.086
CQ00147		0.084
CQ00148		0.084
CQ00149		0.084
CQ00150		5.389
CQ00151		0.079
CQ00152		0.089



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PAGE 2A(3/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00153		2	<5	4	<.5	58	2	63	1	225	42	<1.0	<5	10	<5	6.69	891	<25		175	117	63	<20	<20	<5	8.75	4.41	5.69	2.13	0.30	315	10	<10	4	<5	6	<5	0.58	45
CQ00154		2	<5	<1	<.5	38	<2	62	2	211	42	<1.0	<5	9	<5	6.87	904	<25		183	152	65	<20	<20	7	>10.00	4.51	5.92	2.09	0.35	321	13	<10	5	<5	8	<5	0.61	49
CQ00155		13	<5	<1	<.5	45	<2	68	2	245	46	<1.0	<5	<5	<5	7.56	989	<25		200	135	69	<20	<20	8	>10.00	4.83	6.11	1.95	0.46	342	14	<10	6	<5	9	<5	0.66	51
CQ00156		1	<5	2	<.5	38	<2	66	2	256	45	<1.0	<5	<5	<5	7.32	939	<25		152	123	64	<20	<20	7	>10.00	5.00	5.71	1.75	0.32	321	13	<10	14	<5	9	<5	0.57	47
CQ00157		1	<5	2	<.5	34	6	64	<1	272	46	<1.0	<5	<5	<5	7.26	953	<25		162	138	60	<20	<20	6	9.94	5.22	5.87	1.91	0.35	314	12	<10	5	<5	9	<5	0.51	44
CQ00158		2	<5	1	<.5	34	<2	66	1	312	48	<1.0	<5	<5	<5	7.55	961	<25		143	97	51	<20	<20	5	9.60	5.75	5.67	1.68	0.30	288	10	<10	5	<5	7	<5	0.45	34
CQ00159		1	<5	2	<.5	28	6	53	<1	263	41	<1.0	<5	<5	<5	6.20	781	<25		140	97	43	<20	<20	<5	>10.00	5.03	6.37	1.77	0.27	333	9	<10	4	<5	5	<5	0.40	29
CQ00160		1	<5	1	<.5	23	7	53	1	275	42	<1.0	<5	<5	<5	5.98	762	<25		129	106	41	<20	<20	<5	9.22	5.22	5.88	1.81	0.23	325	7	<10	4	<5	<5	<5	0.37	29
CQ00161		1	<5	2	<.5	22	2	52	1	277	43	<1.0	<5	<5	<5	6.09	764	<25		130	69	38	<20	<20	<5	>10.00	5.25	5.95	1.80	0.26	326	8	<10	4	<5	<5	<5	0.36	31
CQ00162		2	<5	2	<.5	24	4	51	<1	272	42	<1.0	<5	<5	<5	5.98	759	<25		128	108	40	<20	<20	<5	9.17	5.29	5.77	1.78	0.22	325	7	<10	4	<5	<5	<5	0.37	25
CQ00163		4	<5	2	<.5	29	6	52	<1	258	41	<1.0	<5	<5	<5	5.97	759	<25		138	64	41	<20	<20	<5	>10.00	5.23	5.91	1.85	0.26	329	9	<10	4	<5	<5	<5	0.42	33
CQ00164		<1	<5	2	<.5	36	6	59	<1	221	43	<1.0	<5	8	<5	6.73	851	<25		164	73	53	<20	<20	6	>10.00	4.94	6.10	2.02	0.30	331	11	<10	4	<5	6	<5	0.56	41
CQ00165		3	<5	3	<.5	86	3	60	1	204	43	<1.0	<5	<5	<5	6.81	915	<25		193	148	75	<20	<20	6	9.65	4.31	6.02	2.06	0.36	300	12	<10	4	<5	11	<5	0.61	39
CQ00166		2	<5	<1	<.5	49	<2	57	2	163	40	<1.0	<5	<5	<5	6.28	851	<25		222	113	82	<20	<20	7	9.24	3.72	5.94	2.21	0.42	324	13	<10	6	<5	10	<5	0.73	56
CQ00167		2	<5	2	<.5	40	<2	56	2	145	39	<1.0	<5	<5	<5	5.91	784	<25		221	113	90	<20	<20	6	8.98	3.37	5.72	2.22	0.41	319	12	<10	4	<5	7	<5	0.80	39
CQ00168		2	<5	2	<.5	42	4	67	<1	191	44	<1.0	<5	<5	<5	7.24	960	<25		197	87	78	<20	<20	8	9.94	4.67	5.93	2.02	0.43	303	15	<10	5	<5	10	<5	0.75	48
CQ00169		3	<5	3	<.5	73	5	63	<1	291	43	<1.0	<5	<5	<5	6.95	909	<25		166	83	58	<20	<20	6	>10.00	4.83	6.09	1.99	0.39	315	11	<10	5	<5	8	<5	0.52	42
CQ00170		2	5	2	<.5	69	<2	69	2	262	46	<1.0	<5	<5	<5	7.40	995	<25		187	87	84	<20	<20	8	9.12	4.60	5.85	1.81	0.44	309	15	<10	9	<5	9	<5	0.82	46
CQ00171		3	<5	2	<.5	203	3	62	2	364	43	<1.0	<5	<5	<5	6.65	857	<25		196	66	56	<20	<20	7	>10.00	4.33	5.99	1.95	0.47	343	13	<10	8	<5	7	<5	0.57	45
CQ00172		2	<5	2	<.5	51	<2	71	<1	274	50	<1.0	<5	<5	7	7.87	1047	<25		185	78	78	<20	<20	8	9.57	5.61	5.92	1.81	0.45	302	15	<10	8	<5	10	<5	0.73	55
CQ00173		3	<5	<1	<.5	58	<2	66	2	304	48	<1.0	<5	12	<5	7.12	902	<25		185	53	57	<20	<20	7	9.88	5.27	5.62	1.75	0.46	318	13	<10	13	<5	6	<5	0.58	47
CQ00174		3	<5	1	<.5	80	4	60	<1	260	44	<1.0	<5	<5	<5	6.94	984	<25		162	64	86	<20	<20	9	9.69	4.97	5.73	1.87	0.42	298	16	<10	20	<5	10	<5	0.86	58
CQ00175		48	78	172	<.5	801	10	141	<1	15301	301	2.5	<5	<5	<5	>10.00	1049	<25		84	311	31	<20	<20	<5	2.16	>10.00	0.82	0.59	0.40	47	6	<10	13	<5	<5	6	0.09	28
CQ00176		2	<5	<1	<.5	49	5	60	<1	272	44	<1.0	<5	<5	<5	6.51	806	<25		186	58	55	<20	<20	7	>10.00	4.89	5.96	1.97	0.43	353	12	<10	11	<5	6	<5	0.56	45
CQ00177		2	<5	1	<.5	34	6	86	<1	226	42	<1.0	<5	8	<5	6.56	843	<25		206	68	52	<20	<20	6	>10.00	5.30	4.74	1.94	0.73	344	12	<10	31	<5	7	<5	0.52	41
CQ00178		2	<5	2	<.5	39	2	74	2	223	57	<1.0	<5	<5	<5	7.30	963	<25		167	99	80	<20	<20	7	8.92	4.87	5.67	1.68	0.47	334	11	<10	13	<5	10	<5	0.72	35
CQ00179		2	<5	2	<.5	27	5	60	1	240	43	<1.0	<5	<5	<5	6.56	827	<25		170	51	46	<20	<20	5	>10.00	5.08	5.93	1.86	0.55	345	10	<10	9	<5	<5	<5	0.43	31
CQ00180		2	<5	1	<.5	20	5	53	4	261	43	<1.0	<5	<5	<5	6.04	756	<25		135	57	41	<20	<20	<5	>10.00	5.30	5.82	1.79	0.44	357	9	<10	8	<5	<5	<5	0.42	30
CQ00181		2	<5	1	<.5	21	5	54	1	269	44	<1.0	<5	<5	<5	6.24	781	<25		144	63	45	<20	<20	<5	>10.00	5.29	6.23	1.81	0.45	361	9	<10	8	<5	5	<5	0.43	30
CQ00182		2	<5	<1	<.5	21	<2	54	2	268	44	<1.0	<5	<5	<5	6.05	765	<25		136	52	41	<20	<20	<5	9.43	5.10	5.88	1.80	0.39	356	8	<10	8	<5	<5	<5	0.41	28



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CLIENT: WMC EXPLORATION INC.
REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

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PROJECT: XCAQUEN1.3712
PAGE 2B(4/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00153		0.095
CQ00154		0.086
CQ00155		0.100
CQ00156		0.091
CQ00157		0.081
CQ00158		0.079
CQ00159		0.066
CQ00160		0.056
CQ00161		0.057
CQ00162		0.056
CQ00163		0.062
CQ00164		0.072
CQ00165		0.100
CQ00166		0.094
CQ00167		0.099
CQ00168		0.087
CQ00169		0.128
CQ00170		0.104
CQ00171		0.178
CQ00172		0.094
CQ00173		0.120
CQ00174		0.102
CQ00175		5.537
CQ00176		0.142
CQ00177		0.049
CQ00178		0.101
CQ00179		0.069
CQ00180		0.061
CQ00181		0.062
CQ00182		0.061



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUEN1.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

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PAGE 3A(5/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00183		2	<5	3	<.5	33	5	54	<1	189	38	<1.0	<5	10	<5	5.82	841	<25	171	57	58	<20	<20	<5	9.30	4.16	6.49	1.89	0.47	377	9	<10	8	<5	5	<5	0.52	38
CQ00184		2	<5	1	<.5	53	2	43	<1	149	31	<1.0	<5	6	<5	4.96	640	<25	180	76	49	<20	<20	7	>10.00	3.62	6.97	2.01	0.63	412	13	<10	8	<5	11	<5	0.49	41
CQ00185		13	9	25	0.6	1130	5	56	2	1639	59	<1.0	<5	<5	<5	6.11	649	<25	137	82	38	<20	<20	<5	9.39	3.85	6.06	1.86	0.36	366	7	<10	8	<5	<5	<5	0.34	25
CQ00186		11	9	29	0.6	1303	7	62	<1	2052	69	<1.0	<5	<5	<5	6.80	703	<25	122	52	33	<20	<20	<5	9.97	4.40	6.10	1.63	0.30	353	7	<10	15	<5	<5	<5	0.32	25
CQ00187		3	<5	5	<.5	176	<2	66	<1	366	49	<1.0	<5	<5	<5	7.45	952	<25	170	71	54	<20	<20	6	>10.00	4.84	5.60	2.07	0.38	313	12	<10	9	<5	7	<5	0.56	45
CQ00188		5	8	19	<.5	858	6	63	<1	1086	72	<1.0	<5	<5	<5	7.39	751	<25	132	66	33	<20	<20	<5	9.76	5.07	5.42	1.71	0.37	340	7	<10	20	<5	<5	<5	0.32	24
CQ00189		3	7	13	<.5	621	5	53	2	769	87	<1.0	<5	<5	<5	7.48	662	<25	103	44	24	<20	<20	<5	>10.00	5.47	5.57	1.60	0.28	347	<5	<10	30	<5	<5	<5	0.17	12
CQ00190		4	6	17	<.5	794	10	57	2	977	89	<1.0	<5	<5	<5	7.41	643	<25	121	56	28	<20	<20	<5	>10.00	4.93	5.53	1.81	0.28	375	6	<10	16	<5	<5	<5	0.24	18
CQ00191		4	7	11	<.5	869	14	69	2	858	99	<1.0	<5	<5	<5	8.98	815	<25	130	67	34	<20	<20	<5	>10.00	5.58	5.25	1.79	0.33	343	6	<10	16	<5	<5	<5	0.25	18
CQ00192		5	8	19	0.5	1294	14	85	<1	1313	88	<1.0	<5	<5	<5	8.36	748	<25	168	80	40	<20	<20	5	>10.00	4.26	5.38	2.00	0.50	337	9	<10	14	<5	<5	<5	0.38	28
CQ00193		4	5	13	<.5	1115	10	79	<1	1239	89	<1.0	<5	<5	<5	>10.00	1065	<25	89	163	58	<20	<20	6	7.18	7.23	2.26	1.57	0.31	152	8	<10	37	<5	7	<5	0.40	37
CQ00194		9	<5	6	0.6	820	17	84	<1	1026	93	<1.0	<5	<5	<5	>10.00	1086	<25	91	381	93	<20	<20	8	5.85	8.08	1.84	1.12	0.39	124	10	<10	35	5	14	6	0.60	43
CQ00195		4	<5	7	0.8	1025	23	95	<1	1218	102	<1.0	<5	<5	<5	>10.00	1123	<25	75	554	103	<20	<20	8	5.25	8.69	2.12	0.68	0.26	106	12	<10	37	6	14	<5	0.66	35
CQ00228		2	<5	9	<.5	279	22	118	6	234	39	<1.0	<5	<5	<5	7.77	1817	<25	382	281	191	<20	<20	43	>10.00	2.25	2.40	1.91	1.41	194	21	16	33	15	30	<5	0.49	72
CQ00229		3	9	10	<.5	452	33	78	13	329	22	<1.0	<5	11	<5	4.72	1226	<25	615	322	124	<20	<20	57	9.34	1.31	1.50	2.09	2.02	172	16	17	29	13	17	<5	0.26	132
CQ00230		6	11	25	<.5	616	25	102	3	626	41	<1.0	<5	<5	<5	5.98	1373	<25	455	238	154	<20	<20	30	7.96	1.47	1.62	2.12	1.45	150	10	<10	21	14	20	<5	0.47	104
CQ00231		12	20	53	1.1	2365	48	139	11	1731	47	1.3	<5	<5	<5	7.47	1727	<25	412	233	193	<20	<20	33	8.73	1.76	1.93	2.25	1.43	183	12	12	17	19	17	<5	0.52	94
CQ00232		3	5	8	<.5	489	27	110	4	242	34	<1.0	<5	<5	<5	7.42	2090	<25	509	222	175	<20	<20	42	>10.00	1.89	2.35	2.45	1.39	214	30	15	26	16	29	<5	0.46	78
CQ00233		2	<5	2	<.5	104	29	83	10	54	23	<1.0	<5	<5	<5	5.61	1532	<25	714	191	145	<20	<20	53	>10.00	1.59	1.75	2.40	1.93	207	23	15	25	14	20	<5	0.38	121
CQ00234		4	9	23	<.5	254	16	139	3	633	40	<1.0	<5	<5	<5	7.27	1460	<25	592	210	191	<20	<20	36	>10.00	2.25	1.88	2.11	1.32	235	16	22	36	16	21	<5	0.49	53
CQ00235		10	11	23	<.5	734	25	130	10	522	42	<1.0	<5	<5	<5	8.06	1772	<25	488	259	199	<20	<20	42	>10.00	2.48	1.90	2.11	1.38	198	23	13	26	19	30	<5	0.62	69
CQ00236		2	6	7	<.5	143	23	138	3	146	43	<1.0	<5	<5	<5	8.16	1906	<25	731	275	214	<20	<20	29	>10.00	2.81	1.95	2.09	0.98	236	18	20	31	20	26	<5	0.59	59
CQ00237		2	6	4	<.5	58	15	130	7	120	32	<1.0	<5	13	<5	8.23	2493	<25	557	302	207	<20	<20	41	>10.00	2.77	2.21	2.22	1.38	244	26	19	43	18	35	<5	0.41	72
CQ00238		2	<5	1	<.5	10	21	59	9	19	4	<1.0	<5	<5	<5	1.63	362	<25	427	378	33	<20	<20	20	6.30	0.48	0.88	2.13	1.48	166	8	12	16	<5	6	<5	0.08	205
CQ00239		<1	7	<1	<.5	12	18	34	20	17	8	<1.0	<5	<5	<5	2.02	332	<25	399	418	73	<20	<20	26	5.36	0.57	0.61	1.64	1.70	92	8	<10	12	10	6	<5	0.18	336
CQ00240		<1	<5	1	<.5	7	34	22	7	9	4	<1.0	<5	<5	<5	1.54	155	<25	866	294	18	<20	<20	74	7.32	0.29	0.55	2.33	2.39	146	10	14	12	7	<5	<5	0.14	142
CQ00241		2	<5	<1	<.5	5	32	21	19	9	4	<1.0	<5	<5	<5	1.40	146	<25	814	252	30	<20	<20	53	6.85	0.27	0.50	2.15	1.83	134	10	12	12	7	<5	<5	0.12	94
CQ00242		<1	<5	<1	<.5	6	33	21	6	9	4	<1.0	<5	12	<5	1.47	148	<25	821	286	17	<20	<20	69	6.93	0.28	0.52	2.21	2.45	138	10	13	11	6	<5	<5	0.14	134
CQ00243		2	<5	<1	<.5	14	37	44	7	17	6	<1.0	<5	<5	<5	2.22	350	<25	891	265	30	<20	<20	77	7.40	0.42	0.81	2.29	2.44	163	13	15	17	9	<5	<5	0.21	156
CQ00244		2	8	6	<.5	59	13	110	19	77	19	<1.0	<5	<5	<5	6.20	1531	<25	273	402	99	<20	<20	28	6.56	1.18	0.95	1.59	1.78	94	19	11	37	21	14	<5	0.42	213



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DATE RECEIVED: 09-MAY-01 DATE PRINTED: 15-MAY-01 PAGE 3B(6/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00183		0.071
CQ00184		0.068
CQ00185		0.845
CQ00186		0.984
CQ00187		0.163
CQ00188		0.814
CQ00189		0.776
CQ00190		1.147
CQ00191		1.231
CQ00192		1.550
CQ00193		0.974
CQ00194		1.384
CQ00195		1.830
CQ00228		0.577
CQ00229		0.234
CQ00230		0.382
CQ00231		0.963
CQ00232		0.505
CQ00233		0.243
CQ00234		0.533
CQ00235		0.582
CQ00236		0.543
CQ00237		0.273
CQ00238		0.022
CQ00239		0.034
CQ00240		0.009
CQ00241		0.013
CQ00242		0.008
CQ00243		0.040
CQ00244		0.354



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 4A(7/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	
CQ00245		1	<5	2	<.5	89	35	147	3	52	28	<1.0	<5	8	<5	6.75	979	<25	1679	192	110	<20	<20	47	>10.00	1.54	0.85	1.52	2.48	252	16	14	36	11	17	<5	0.54	127		
CQ00246		1	<5	2	<.5	90	44	110	8	61	30	<1.0	<5	21	<5	6.75	925	<25	>2000	241	141	<20	<20	48	>10.00	1.60	1.35	1.82	3.26	321	17	<10	23	13	19	<5	0.53	153		
CQ00247		2	<5	2	<.5	55	45	99	5	48	24	<1.0	<5	10	<5	5.42	908	<25	>2000	212	106	<20	<20	58	>10.00	1.14	1.68	2.18	3.16	373	20	<10	17	11	18	<5	0.45	140		
CQ00248		1	<5	1	<.5	19	43	65	9	28	13	<1.0	<5	16	<5	2.98	504	<25	>2000	175	75	<20	<20	42	8.94	0.74	1.31	2.22	2.76	353	10	11	18	8	7	<5	0.31	284		
CQ00249		3	<5	2	<.5	118	46	131	9	75	40	<1.0	<5	<5	<5	7.53	1049	<25	212	248	162	<20	<20	23	8.96	1.51	0.94	1.74	3.74	233	12	<10	20	15	15	<5	0.58	114		
CQ00250		45	80	169	<.5	832	7	145	<1	15871	310	2.7	<5	<5	<5	>10.00	1087	<25	78	342	32	<20	<20	<5	2.23	>10.00	0.84	0.58	0.40	46	6	<10	13	<5	<5	8	0.10	28		
CQ00251		2	<5	3	<.5	69	35	106	9	59	29	<1.0	<5	6	<5	6.20	1055	<25	637	292	160	<20	<20	30	7.86	1.56	1.02	1.83	3.06	265	13	<10	14	15	16	<5	0.52	149		
CQ00252		2	<5	1	<.5	41	38	93	3	37	21	<1.0	<5	5	<5	4.47	765	<25	1952	209	102	<20	<20	36	8.72	1.05	1.10	1.95	2.69	278	11	<10	24	13	9	<5	0.48	168		
CQ00253		2	<5	1	<.5	57	47	118	2	51	26	<1.0	<5	16	<5	6.17	1164	<25	1388	197	122	<20	<20	66	>10.00	1.34	1.64	2.12	2.57	315	29	11	20	12	21	<5	0.51	272		
CQ00254		2	<5	<1	<.5	29	39	66	3	25	15	<1.0	<5	10	<5	3.42	585	<25	1635	177	67	<20	<20	54	8.47	0.80	1.06	2.23	2.50	292	15	11	19	8	9	<5	0.33	244		
CQ00255		2	<5	1	<.5	75	38	64	6	41	24	<1.0	<5	5	<5	4.74	676	<25	1301	161	80	<20	<20	49	>10.00	0.85	1.56	2.31	2.39	341	14	12	18	9	7	<5	0.39	206		
CQ00256		4	<5	3	<.5	169	34	134	9	78	49	<1.0	<5	29	<5	8.67	1109	<25	>2000	250	152	<20	<20	34	>10.00	1.56	1.13	1.59	3.04	287	16	14	28	12	16	<5	0.52	136		
CQ00257																																								
CQ00258		2	<5	3	<.5	26	41	101	1	39	20	<1.0	<5	10	<5	6.40	1536	<25	1620	194	93	<20	<20	48	>10.00	1.45	2.05	2.34	2.13	365	27	14	17	8	24	<5	0.36	264		
CQ00259		1	6	5	<.5	42	70	263	<1	66	33	<1.0	<5	14	<5	>10.00	2194	<25	961	335	169	<20	<20	44	>10.00	2.88	1.79	1.60	1.81	226	37	14	24	13	49	<5	0.55	229		
CQ00260		5	<5	2	<.5	94	176	597	5	59	31	<1.0	<5	<5	<5	6.85	782	<25	>2000	187	120	<20	<20	47	>10.00	1.56	1.07	1.92	2.36	246	11	21	31	8	15	<5	0.43	104		
CQ00261		2	<5	1	<.5	90	114	222	4	57	28	<1.0	<5	8	<5	6.59	706	<25	>2000	183	121	<20	<20	48	>10.00	1.49	0.80	1.94	2.30	292	10	22	32	8	12	<5	0.40	93		
CQ00262		1	<5	2	<.5	94	170	575	4	57	30	<1.0	<5	7	<5	6.80	775	<25	1674	186	118	<20	<20	48	>10.00	1.55	1.07	1.92	2.49	249	11	21	32	8	15	<5	0.43	107		
CQ00263		2	<5	2	<.5	112	11	146	4	98	46	<1.0	<5	8	<5	9.19	1170	<25	1241	291	172	<20	<20	41	>10.00	2.39	0.72	1.18	1.78	246	10	17	48	13	22	<5	0.77	123		
CQ00264		1	<5	3	<.5	127	16	166	5	100	45	<1.0	<5	7	<5	9.21	1274	<25	1071	260	178	<20	<20	42	>10.00	2.34	1.03	1.38	1.44	369	12	23	43	14	24	<5	0.71	105		
CQ00265		2	<5	3	<.5	89	22	120	<1	83	38	<1.0	<5	8	<5	7.42	793	<25	532	213	148	<20	<20	56	>10.00	1.92	0.77	1.48	1.46	324	18	15	63	11	19	<5	0.63	117		
CQ00266		2	<5	3	<.5	117	15	172	<1	83	43	<1.0	<5	<5	<5	9.08	903	<25	764	246	147	<20	<20	39	>10.00	2.13	0.59	1.00	1.29	241	12	20	65	10	14	5	0.63	117		
CQ00267		3	<5	4	<.5	167	19	209	5	96	51	<1.0	<5	<5	<5	>10.00	572	<25	760	270	198	<20	<20	40	>10.00	2.39	0.91	1.07	1.38	315	10	21	71	14	16	<5	0.62	93		
CQ00268		2	<5	4	<.5	100	16	500	<1	177	46	1.1	<5	9	<5	9.06	872	<25	428	388	231	<20	<20	44	8.64	4.01	0.65	0.94	1.40	150	11	12	70	17	15	<5	0.78	127		
CQ00269		2	<5	2	<.5	116	12	233	2	38	28	<1.0	<5	8	<5	5.94	454	<25	480	161	91	<20	<20	97	>10.00	1.58	0.50	2.98	1.42	226	8	16	35	6	8	<5	0.39	203		
CQ00270		2	8	5	<.5	128	15	234	5	147	55	<1.0	<5	<5	<5	>10.00	1206	<25	661	305	220	<20	<20	17	>10.00	2.89	0.16	0.67	3.00	97	10	21	82	17	19	<5	0.74	45		
CQ00271		2	8	4	<.5	100	16	271	3	117	52	<1.0	<5	8	<5	>10.00	1165	<25	882	214	151	<20	<20	44	>10.00	2.68	0.30	1.21	2.00	135	13	19	68	10	18	<5	0.62	62		
CQ00272		2	7	5	<.5	100	17	152	2	111	50	<1.0	<5	<5	<5	9.32	1015	<25	746	255	162	<20	<20	33	>10.00	2.47	0.21	0.73	2.29	96	14	16	82	10	18	6	0.56	69		
CQ00273		15	7	4	<.5	94	14	189	3	118	50	<1.0	<5	<5	<5	7.41	784	<25	548	260	180	<20	<20	25	>10.00	2.24	0.23	0.75	1.53	107	12	20	98	12	14	<5	0.52	77		
CQ00274		2	5	3	<.5	63	8	101	<1	89	36	<1.0	<5	7	<5	7.00	799	<25	525	308	128	<20	<20	15	>10.00	2.19	0.19	0.75	1.26	85	8	20	82	10	10	<5	0.52	102		



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 4B(8/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00245		0.829
CQ00246		1.027
CQ00247		0.625
CQ00248		0.206
CQ00249		1.237
CQ00250		5.718
CQ00251		0.721
CQ00252		0.431
CQ00253		0.635
CQ00254		0.306
CQ00255		0.803
CQ00256		1.984
CQ00257		
CQ00258		0.364
CQ00259		0.591
CQ00260		1.067
CQ00261		0.947
CQ00262		1.036
CQ00263		1.693
CQ00264		1.699
CQ00265		1.474
CQ00266		1.792
CQ00267		2.983
CQ00268		1.628
CQ00269		1.785
CQ00270		1.730
CQ00271		1.619
CQ00272		1.536
CQ00273		1.298
CQ00274		0.855

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUEN1.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

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PAGE 5A(9/16)

SAMPLE NUMBER	ELEMENT	AU	PT	PD	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPB	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	
CQ00275		47	78	169	<.5	842	9	147	<1	15972	314	3.0	<5	7	<5	>10.00	1099	<25	119	322	33	<20	<20	5	2.28	>10.00	0.85	0.63	0.43	50	6	<10	14	<5	<5	<5	0.11	31	



BONDAR CLEGG



Geochemical I Report

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PROJECT: XCAQUENI.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

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PAGE 58(10/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00275		5.609



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00791.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 09-MAY-01 DATE PRINTED: 15-MAY-01 PAGE 6A(11/16)

Table with columns for STANDARD NAME, ELEMENT, and various chemical elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr). Rows include analytical blanks, ST 260, and GS91-1.

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 6B(12/16)

STANDARD NAME	ELEMENT UNITS	S PCT
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		-
ANALYTICAL BLANK		-
Number of Analyses		4
Mean Value		0.001
Standard Deviation		-
Accepted Value		<.001
ST 260		-
ST 260		-
ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-
GS91-1		0.033
GS91-1		0.034
Number of Analyses		2
Mean Value		0.033
Standard Deviation		0.001
Accepted Value		0.030

CLIENT: WMC EXPLORATION INC.
 REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01 DATE PRINTED: 15-MAY-01 PAGE 7A(13/16)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PPM	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM			
ST 248		945	97	603	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		928	110	693	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		-	103	672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		937	103	656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		12	6	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		>99	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET LKSD-2		-	-	<.5	35	43	205	2	27	17	1.1	<5	14	<5	4.08	1907	<25	690	44	63	<20	<20	59	6.02	0.99	1.38	1.35	1.77	205	35	<10	18	10	7	<5	0.34	133					
Number of Analyses		-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	0.3	35	43	205	2	27	17	1.1	3	14	3	4.08	1907	13	690	44	63	10	10	59	6.02	0.99	1.38	1.35	1.77	205	35	5	18	10	7	3	0.34	133					
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	0.40	128					
CANMET STSD-4		-	-	<.5	71	16	100	3	30	16	<1.0	<5	21	<5	3.96	1531	<25	1800	84	91	<20	<20	18	6.40	1.27	2.62	1.85	1.14	321	19	<10	12	8	8	<5	0.43	51					
Number of Analyses		-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	0.3	71	16	100	3	30	16	0.5	3	21	3	3.96	1531	13	1800	84	91	10	10	18	6.40	1.27	2.62	1.85	1.14	321	19	5	12	8	8	3	0.43	51					
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46	53					



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUEN1.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 248		-
ST 248		-
ST 248		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

CANMET LKSD-2	0.160
Number of Analyses	1
Mean Value	0.160
Standard Deviation	-
Accepted Value	0.140

CANMET STSD-4	0.107
Number of Analyses	1
Mean Value	0.107
Standard Deviation	-
Accepted Value	0.090



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 8A(15/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00124		1	<5	<1	<.5	16	6	81	<1	60	35	<1.0	<5	<5	<5	7.70	1168	<25	596	139	88	<20	<20	14	8.39	2.57	3.86	2.20	0.85	331	13	<10	13	6	8	<5	0.81	63	
Duplicate		1	<5	<1	<.5	17	4	86	<1	65	37	<1.0	<5	8	<5	7.90	1222	<25	619	163	87	<20	<20	14	8.61	2.70	4.14	2.12	0.78	319	13	<10	12	5	8	<5	0.87	60	
CQ00142		1	<5	<1	<.5	30	<2	51	<1	221	37	<1.0	<5	<5	<5	5.69	736	<25	146	132	58	<20	<20	7	8.63	4.63	4.93	1.97	0.34	298	12	<10	4	<5	7	<5	0.54	52	
Duplicate					<.5	36	<2	62	<1	272	45	<1.0	<5	<5	<5	7.02	899	<25	180	144	62	<20	<20	7	>10.00	5.21	6.02	2.08	0.35	321	13	<10	4	<5	8	8	0.61	51	
CQ00147		2	<5	1	<.5	38	8	65	3	266	46	<1.0	<5	<5	<5	7.21	917	<25	172	115	58	<20	<20	7	>10.00	5.13	5.70	1.99	0.33	309	13	<10	4	<5	6	<5	0.58	49	
Duplicate		2	<5	1																																			
CQ00161		1	<5	2	<.5	22	2	52	1	277	43	<1.0	<5	<5	<5	6.09	764	<25	130	69	38	<20	<20	<5	>10.00	5.25	5.95	1.80	0.26	326	8	<10	4	<5	<5	<5	0.36	31	
Duplicate					<.5	25	<2	53	1	281	44	<1.0	<5	<5	<5	6.08	772	<25	130	59	37	<20	<20	<5	>10.00	5.48	5.95	1.79	0.25	321	8	<10	4	<5	<5	<5	0.38	28	
CQ00170		2	5	2	<.5	69	<2	69	2	262	46	<1.0	<5	<5	<5	7.40	995	<25	187	87	84	<20	<20	8	9.12	4.60	5.85	1.81	0.44	309	15	<10	9	<5	9	<5	0.82	46	
Duplicate		2	<5	2																																			
CQ00178		2	<5	2	<.5	39	2	74	2	223	57	<1.0	<5	<5	<5	7.30	963	<25	167	99	80	<20	<20	7	8.92	4.87	5.67	1.68	0.47	334	11	<10	13	<5	10	<5	0.72	35	
Duplicate					<.5	40	<2	76	<1	228	58	<1.0	<5	<5	<5	7.59	994	<25	170	95	80	<20	<20	7	9.33	4.89	5.83	1.70	0.47	341	11	<10	13	<5	11	<5	0.72	35	
CQ00193		4	5	13	<.5	1115	10	79	<1	1239	89	<1.0	<5	<5	<5	>10.00	1065	<25	89	163	58	<20	<20	6	7.18	7.23	2.26	1.57	0.31	152	8	<10	37	<5	7	<5	0.40	37	
Duplicate		3	<5	9																																			
CQ00230		6	11	25	<.5	616	25	102	3	626	41	<1.0	<5	<5	<5	5.98	1373	<25	455	238	154	<20	<20	30	7.96	1.47	1.62	2.12	1.45	150	10	<10	21	14	20	<5	0.47	104	
Duplicate					<.5	621	22	102	4	617	41	<1.0	<5	7	<5	5.99	1377	<25	454	230	156	<20	<20	29	7.96	1.48	1.63	2.14	1.51	153	9	<10	21	15	20	<5	0.47	98	
CQ00247		2	<5	2	<.5	55	45	99	5	48	24	<1.0	<5	10	<5	5.42	908	<25	>2000	212	106	<20	<20	58	>10.00	1.14	1.68	2.18	3.16	373	20	<10	17	11	18	<5	0.45	140	
Duplicate					<.5	53	42	96	5	47	23	<1.0	<5	7	<5	5.11	873	<25	1963	185	102	<20	<20	55	>10.00	1.12	1.61	2.14	2.66	348	19	<10	16	10	17	<5	0.45	130	
CQ00248		1	<5	1	<.5	19	43	65	9	28	13	<1.0	<5	16	<5	2.98	504	<25	>2000	175	75	<20	<20	42	8.94	0.74	1.31	2.22	2.76	353	10	11	18	8	7	<5	0.31	284	
Duplicate		3	<5	2																																			
CQ00268		2	<5	4	<.5	100	16	500	<1	177	46	1.1	<5	9	<5	9.06	872	<25	428	388	231	<20	<20	44	8.64	4.01	0.65	0.94	1.40	150	11	12	70	17	15	<5	0.78	127	
Duplicate					<.5	85	12	430	1	154	39	<1.0	<5	<5	<5	7.76	749	<25	382	330	226	<20	<20	43	7.39	3.24	0.55	0.94	1.34	146	11	<10	67	17	15	<5	0.65	125	
CQ00272		2	7	5	<.5	100	17	152	2	111	50	<1.0	<5	<5	<5	9.32	1015	<25	746	255	162	<20	<20	33	>10.00	2.47	0.21	0.73	2.29	96	14	16	82	10	18	6	0.56	69	
Duplicate		2	10	4																																			

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00791.0 (COMPLETE)

DATE RECEIVED: 09-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 8B(16/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00124		0.068
Duplicate		0.073
CQ00142		0.071
Duplicate		0.087
CQ00147		0.084
Duplicate		
CQ00161		0.057
Duplicate		0.060
CQ00170		0.104
Duplicate		
CQ00178		0.101
Duplicate		0.101
CQ00193		0.974
Duplicate		
CQ00230		0.382
Duplicate		0.365
CQ00247		0.625
Duplicate		0.579
CQ00248		0.206
Duplicate		
CQ00268		1.628
Duplicate		1.376
CQ00272		1.536
Duplicate		

BC

BONDAR CLEGG



Geochemical Lab Report

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112



BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-00791.2 (COMPLETE)

REFERENCE:

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: XCAQUENI.3712

DATE RECEIVED: 18-JUL-01
DATE PRINTED: 30-JUL-01
SUBMITTED BY: J. MCKINNON-MATTHEWS

DATE APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
010724	1	Ni Ni - GA50	6	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
010724	2	S Tot S (Total) - ST60	6	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	6	? -200	6		

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00791.2 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 30-JUL-01

PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
D? CQ00190		0.116	1.27
D? CQ00191		0.096	1.28
D? CQ00192		0.151	1.69
D? CQ00194		0.117	1.61
D? CQ00195		0.128	2.06
D? CQ00231		0.183	0.97



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00791.2 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUEN1.3712

DATE PRINTED: 30-JUL-01

PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Ni PCT	S Tot PCT
SU-1A		1.229	-
Number of Analyses		1	-
Mean Value		1.2293	-
Standard Deviation		-	-
Accepted Value		1.233	10.00
UTS-4		-	1.83
Number of Analyses		-	1
Mean Value		-	1.830
Standard Deviation		-	-
Accepted Value		-	1.80



BONDAR CLEGG



Geochemical Lab Report

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REPORT: V01-00791.2 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 30-JUL-01

PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
CQ00190		0.116	1.27
Duplicate		0.108	1.28



BONDAR CLEGG



WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical I Report

REPORT: V01-00792.0 (COMPLETE)

REFERENCE: ORDER #JMM02

CLIENT: WMC EXPLORATION INC.

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI .3712

DATE RECEIVED: 10-MAY-01 DATE PRINTED: 15-MAY-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010514	1 AU	Au - FA35/36	126	1 PPB	FIRE ASSAY
010514	2 PT	Pt - FA36	126	5 PPB	FIRE ASSAY
010514	3 PD	Pd - FA36	126	1 PPB	FIRE ASSAY
010514	4 Ag	Ag - IC30	126	0.5 PPM	HF-HNO3-HClO4-HCL
010514	5 Cu	Cu - IC30	126	1 PPM	HF-HNO3-HClO4-HCL
010514	6 Pb	Pb - IC30	126	2 PPM	HF-HNO3-HClO4-HCL
010514	7 Zn	Zn - IC30	126	2 PPM	HF-HNO3-HClO4-HCL
010514	8 Mo	Mo - IC30	126	1 PPM	HF-HNO3-HClO4-HCL
010514	9 Ni	Ni - IC30	126	1 PPM	HF-HNO3-HClO4-HCL
010514	10 Co	Co - IC30	126	1 PPM	HF-HNO3-HClO4-HCL
010514	11 Cd	Cd - IC30	126	1.0 PPM	HF-HNO3-HClO4-HCL
010514	12 Bi	Bi - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	13 As	As - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	14 Sb	Sb - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	15 Fe Tot	Fe - IC30	126	0.01 PCT	HF-HNO3-HClO4-HCL
010514	16 Mn	Mn - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	17 Te	Te - IC30	126	25 PPM	HF-HNO3-HClO4-HCL
010514	18 Ba	Ba - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	19 Cr	Cr - IC30	126	2 PPM	HF-HNO3-HClO4-HCL
010514	20 V	V - IC30	126	2 PPM	HF-HNO3-HClO4-HCL
010514	21 Sn	Sn - IC30	126	20 PPM	HF-HNO3-HClO4-HCL
010514	22 W	W - IC30	126	20 PPM	HF-HNO3-HClO4-HCL
010514	23 La	La - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	24 Al	Al - IC30	126	0.01 PCT	HF-HNO3-HClO4-HCL
010514	25 Mg	Mg - IC30	126	0.01 PCT	HF-HNO3-HClO4-HCL
010514	26 Ca	Ca - IC30	126	0.01 PCT	HF-HNO3-HClO4-HCL
010514	27 Na	Na - IC30	126	0.01 PCT	HF-HNO3-HClO4-HCL
010514	28 K	K - IC30	126	0.01 PCT	HF-HNO3-HClO4-HCL
010514	29 Sr	Sr - IC30	126	1 PPM	HF-HNO3-HClO4-HCL
010514	30 Y	Y - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	31 Ga	Ga - IC30	126	10 PPM	HF-HNO3-HClO4-HCL
010514	32 Li	Li - IC30	126	2 PPM	HF-HNO3-HClO4-HCL
010514	33 Nb	Nb - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	34 Sc	Sc - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	35 Ta	Ta - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	36 Ti	Ti - IC30	126	0.01 PCT	HF-HNO3-HClO4-HCL

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010514	37 Zr	Zr - IC30	126	5 PPM	HF-HNO3-HClO4-HCL
010514	38 S	S - IC30	126	0.002 PCT	HF-HNO3-HClO4-HCL

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	123	? -200	123	TOTAL SAMPLE PREP	117
P PREPARED PULP	3	4 AS RECEIVED	3	SAMPLE SPLITS	6
				PULP VERIFICATION	3

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

 This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 1A(1/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Tot PPM	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00276		<1	6	4	<.5	61	6	173	3	92	42	<1.0	<5	<5	<5	5.57	485	<25	363	282	183	<20	<20	20	>10.00	1.61	0.18	0.68	1.51	79	9	17	134	15	16	<5	0.40	68	
CQ00277		<1	<5	4	<.5	58	5	109	4	92	45	<1.0	<5	<5	<5	6.39	636	<25	396	278	180	<20	<20	24	>10.00	1.86	0.22	0.80	1.48	107	10	16	106	13	18	<5	0.35	64	
CQ00278		<1	7	4	<.5	80	8	149	2	125	55	<1.0	<5	<5	<5	7.60	740	<25	463	262	189	<20	<20	15	>10.00	2.02	0.25	0.85	2.39	86	8	14	91	12	13	<5	0.30	45	
CQ00279		1	7	4	<.5	73	4	50	2	113	52	<1.0	<5	<5	<5	7.24	672	<25	415	333	202	<20	<20	16	>10.00	2.42	0.25	0.68	2.29	96	7	12	88	13	12	<5	0.22	58	
CQ00280		<1	7	4	<.5	52	4	43	6	115	54	<1.0	<5	<5	<5	6.78	659	<25	646	337	212	<20	<20	26	>10.00	2.05	0.19	0.72	2.38	106	11	14	77	16	17	<5	0.34	60	
CQ00281		<1	<5	4	<.5	78	8	44	5	118	51	<1.0	<5	<5	<5	6.27	594	<25	928	399	167	<20	<20	24	>10.00	1.72	0.19	0.97	3.01	115	8	11	59	11	13	<5	0.23	86	
CQ00282		<1	5	5	<.5	51	5	42	6	112	52	<1.0	<5	<5	<5	6.49	625	<25	551	324	200	<20	<20	19	>10.00	1.95	0.18	0.72	1.69	99	9	13	75	14	15	<5	0.34	54	
CQ00283		3	12	13	<.5	349	33	1051	26	341	129	2.8	<5	<5	<5	>10.00	713	<25	149	396	325	<20	<20	7	8.47	2.18	0.18	0.54	1.92	57	<5	<10	78	21	9	<5	0.15	48	
CQ00284		<1	<5	2	<.5	119	13	303	11	157	67	<1.0	<5	<5	<5	9.16	1016	<25	429	234	169	<20	<20	13	9.34	2.34	0.24	0.95	1.60	127	6	12	59	11	11	<5	0.20	71	
CQ00285		3	9	6	<.5	202	12	259	10	197	81	<1.0	<5	<5	<5	9.96	877	<25	725	324	205	<20	<20	19	>10.00	2.60	0.13	0.74	3.00	81	7	15	68	12	11	<5	0.19	37	
CQ00286		<1	<5	2	<.5	132	12	479	5	146	66	<1.0	<5	<5	<5	6.81	588	<25	406	298	222	<20	<20	8	9.29	2.07	0.21	1.52	2.43	106	<5	16	64	16	8	<5	0.16	42	
CQ00287		<1	<5	4	<.5	247	24	129	23	292	104	<1.0	<5	<5	<5	>10.00	716	<25	69	474	310	<20	<20	7	7.04	2.07	0.70	1.51	1.66	148	6	15	58	21	8	<5	0.12	39	
CQ00288		<1	<5	2	<.5	85	<2	124	5	27	35	<1.0	<5	<5	<5	9.16	1338	<25	294	174	75	<20	<20	45	7.54	1.41	3.39	2.10	0.60	210	55	13	17	11	36	<5	1.15	103	
CQ00289		3	5	9	<.5	209	14	60	29	376	110	<1.0	<5	<5	<5	>10.00	838	<25	51	412	153	<20	<20	8	4.62	3.80	0.57	0.52	0.35	55	<5	<10	34	9	10	<5	0.10	34	
CQ00290		<1	<5	2	<.5	75	4	56	<1	206	44	<1.0	<5	<5	<5	5.51	595	<25	160	166	89	<20	<20	6	9.87	3.54	4.72	1.77	0.71	326	5	<10	29	<5	10	<5	0.20	26	
CQ00291		<1	<5	2	<.5	99	3	44	2	327	40	<1.0	<5	<5	<5	5.19	598	<25	134	89	56	<20	<20	<5	>10.00	4.44	4.98	1.74	0.47	343	<5	<10	28	<5	7	<5	0.17	20	
CQ00292		<1	<5	1	<.5	39	<2	38	<1	273	40	<1.0	<5	<5	<5	4.11	556	<25	96	44	29	<20	<20	<5	9.75	4.18	5.52	1.72	0.37	357	<5	<10	24	<5	<5	<5	0.14	16	
CQ00293		<1	<5	<1	<.5	15	<2	27	1	164	27	<1.0	<5	<5	<5	3.80	577	<25	96	37	26	<20	<20	<5	9.84	3.32	5.60	1.93	0.35	396	<5	<10	21	<5	<5	<5	0.16	12	
CQ00294		<1	<5	1	<.5	15	<2	39	<1	134	27	<1.0	<5	<5	<5	3.24	480	<25	105	46	35	<20	<20	<5	8.84	2.57	5.57	2.00	0.49	472	<5	<10	20	<5	<5	<5	0.24	18	
CQ00295		1	<5	1	<.5	20	<2	38	1	101	25	<1.0	<5	<5	<5	3.35	535	<25	110	70	50	<20	<20	<5	8.78	2.25	6.13	2.04	0.51	449	7	<10	14	<5	6	<5	0.34	21	
CQ00296		<1	<5	<1	<.5	20	<2	51	<1	184	39	<1.0	<5	<5	<5	5.21	698	<25	141	59	59	<20	<20	5	9.32	3.97	5.22	2.05	0.44	357	9	<10	11	<5	8	<5	0.33	23	
CQ00297		<1	<5	<1	<.5	10	<2	58	2	181	38	<1.0	<5	<5	<5	5.52	797	<25	160	48	64	<20	<20	7	9.82	4.34	5.00	1.96	0.45	354	10	<10	10	<5	10	<5	0.42	25	
CQ00298		2	<5	<1	<.5	17	<2	57	1	114	31	<1.0	<5	<5	<5	5.27	783	<25	191	68	50	<20	<20	7	9.61	2.97	5.29	2.18	0.56	352	9	<10	6	<5	10	<5	0.40	33	
CQ00299		<1	<5	<1	<.5	16	3	51	2	125	29	<1.0	<5	<5	<5	4.42	675	<25	187	97	43	<20	<20	5	9.84	3.09	5.45	2.17	0.59	372	7	<10	12	<5	8	<5	0.27	26	
CQ00300		<1	<5	<1	<.5	18	<2	104	1	55	50	<1.0	<5	<5	<5	8.20	1294	<25	416	90	162	<20	<20	21	8.84	2.68	4.55	2.25	1.09	280	30	<10	12	13	22	<5	1.47	84	
CQ00301		<1	<5	<1	<.5	18	<2	110	3	54	53	<1.0	<5	<5	<5	8.61	1326	<25	429	114	182	<20	<20	23	8.76	2.81	4.64	2.23	1.08	267	32	<10	13	14	26	<5	1.55	92	
CQ00302		<1	<5	<1	<.5	18	<2	105	1	57	51	<1.0	<5	<5	<5	8.31	1292	<25	421	81	162	<20	<20	21	8.85	2.71	4.55	2.22	1.08	281	30	<10	12	11	22	<5	1.41	82	
CQ00303		<1	<5	<1	<.5	17	<2	47	<1	133	33	<1.0	<5	<5	<5	4.65	619	<25	139	66	43	<20	<20	5	9.69	3.24	5.51	2.18	0.43	386	7	<10	7	<5	7	<5	0.29	24	
CQ00304		<1	<5	<1	<.5	14	<2	62	<1	96	32	<1.0	<5	<5	<5	5.25	781	<25	188	63	68	<20	<20	9	9.17	2.91	5.20	2.20	0.54	353	13	<10	8	<5	10	<5	0.47	35	
CQ00305		<1	<5	<1	<.5	15	<2	45	2	97	27	<1.0	<5	<5	<5	4.07	576	<25	145	82	51	<20	<20	<5	8.24	2.53	5.04	2.20	0.45	359	7	<10	9	<5	7	<5	0.31	24	



BONDAR CLEGG



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PROJECT: XCAQUENI.3712
PAGE 18(2/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00276		0.998
CQ00277		1.073
CQ00278		2.057
CQ00279		1.664
CQ00280		1.568
CQ00281		1.695
CQ00282		1.506
CQ00283		6.199
CQ00284		1.761
CQ00285		2.799
CQ00286		2.288
CQ00287		4.066
CQ00288		0.418
CQ00289		3.284
CQ00290		0.563
CQ00291		0.191
CQ00292		0.122
CQ00293		0.077
CQ00294		0.071
CQ00295		0.104
CQ00296		0.080
CQ00297		0.073
CQ00298		0.080
CQ00299		0.079
CQ00300		0.151
CQ00301		0.130
CQ00302		0.156
CQ00303		0.065
CQ00304		0.084
CQ00305		0.063



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PAGE 2A(3/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00306		1	<5	<1	<.5	41	<2	62	<1	96	37	<1.0	<5	<5	<5	5.60	839	<25	236	122	98	<20	<20	11	9.03	3.04	5.25	2.40	0.63	347	18	<10	6	5	16	<5	0.69	38
CQ00307		<1	<5	<1	<.5	26	<2	52	2	156	37	<1.0	<5	<5	<5	5.07	656	<25	133	54	40	<20	<20	<5	>10.00	3.81	5.52	2.15	0.34	388	7	<10	6	<5	6	<5	0.26	20
CQ00308		<1	<5	<1	<.5	12	<2	46	<1	132	35	<1.0	<5	<5	<5	4.59	602	<25	131	46	39	<20	<20	<5	9.37	3.54	5.53	2.22	0.32	393	6	<10	6	<5	5	<5	0.25	18
CQ00309		<1	<5	<1	<.5	12	<2	60	1	142	42	<1.0	<5	<5	<5	5.65	734	<25	203	58	77	<20	<20	9	9.42	3.70	5.43	2.20	0.48	369	13	<10	5	<5	10	<5	0.55	25
CQ00310		<1	<5	<1	<.5	14	<2	52	<1	166	39	<1.0	<5	<5	<5	5.11	665	<25	142	52	48	<20	<20	5	9.74	4.04	5.59	2.15	0.33	382	8	<10	5	<5	7	<5	0.31	19
CQ00311		<1	<5	1	<.5	24	<2	59	3	144	38	<1.0	<5	<5	<5	5.52	742	<25	158	75	55	<20	<20	6	9.31	3.69	5.46	2.20	0.39	388	9	<10	6	<5	8	<5	0.35	23
CQ00312		3	<5	<1	<.5	20	<2	57	<1	130	38	<1.0	<5	<5	<5	5.13	689	<25	151	62	56	<20	<20	6	9.16	3.57	5.25	2.26	0.43	369	9	<10	7	<5	8	<5	0.37	25
CQ00313		<1	<5	<1	<.5	19	<2	53	2	129	36	<1.0	<5	<5	<5	5.03	690	<25	149	72	59	<20	<20	5	8.59	3.52	5.19	2.23	0.40	363	9	<10	6	<5	8	<5	0.35	23
CQ00314		1	<5	<1	<.5	22	<2	61	1	131	42	<1.0	<5	<5	<5	5.90	774	<25	171	90	73	<20	<20	7	9.68	3.76	5.28	2.28	0.47	357	11	<10	6	<5	12	<5	0.54	26
CQ00315		<1	<5	<1	<.5	24	<2	58	2	156	41	<1.0	<5	<5	<5	5.92	776	<25	167	66	59	<20	<20	7	9.68	4.20	5.21	2.20	0.46	365	11	<10	7	<5	10	<5	0.35	23
CQ00316		<1	<5	<1	<.5	29	<2	63	<1	136	44	<1.0	<5	<5	<5	6.20	814	<25	187	64	64	<20	<20	8	9.84	3.92	5.22	2.29	0.49	366	13	<10	6	<5	9	<5	0.50	27
CQ00317		1	<5	<1	<.5	24	<2	63	1	141	44	<1.0	<5	<5	<5	6.48	846	<25	172	76	64	<20	<20	7	9.54	4.31	5.19	2.21	0.47	347	12	<10	6	<5	11	<5	0.39	24
CQ00318		<1	<5	<1	<.5	24	<2	72	<1	137	49	<1.0	<5	<5	<5	7.13	936	<25	187	106	86	<20	<20	8	8.68	4.39	5.02	2.14	0.51	319	14	<10	7	<5	16	<5	0.59	29
CQ00319		1	<5	<1	<.5	24	<2	67	2	153	46	<1.0	<5	<5	<5	6.71	875	<25	176	56	67	<20	<20	8	8.74	4.46	4.79	2.19	0.47	328	12	<10	7	<5	10	<5	0.43	25
CQ00320		<1	<5	<1	<.5	24	<2	68	1	150	45	<1.0	<5	<5	<5	6.55	842	<25	162	48	53	<20	<20	7	8.77	4.42	4.70	2.19	0.47	346	10	<10	7	<5	8	<5	0.36	22
CQ00321		<1	<5	<1	<.5	21	<2	66	1	139	42	<1.0	<5	<5	<5	6.23	811	<25	164	83	54	<20	<20	6	8.74	4.09	4.87	2.21	0.45	348	10	<10	7	<5	8	<5	0.32	23
CQ00322		3	6	3	<.5	23	<2	67	<1	147	45	<1.0	<5	<5	<5	6.43	829	<25	161	46	52	<20	<20	6	8.66	4.34	4.63	2.21	0.47	343	10	<10	7	<5	8	<5	0.35	24
CQ00323		1	<5	<1	<.5	30	<2	73	<1	145	47	<1.0	<5	<5	<5	7.03	917	<25	183	51	61	<20	<20	8	9.17	4.53	4.80	2.21	0.49	335	12	<10	7	<5	9	<5	0.41	25
CQ00325		45	74	163	<.5	695	<2	145	2	15016	321	<1.0	<5	<5	<5	>10.00	992	<25	93	214	38	<20	<20	5	2.13	>10.00	0.82	0.61	0.48	51	<5	<10	16	<5	<5	<5	0.06	14
CQ00326		1	<5	<1	<.5	29	<2	68	2	141	46	<1.0	<5	<5	<5	7.13	937	<25	185	75	68	<20	<20	8	9.45	4.44	5.14	2.22	0.48	347	12	<10	7	<5	12	<5	0.41	27
CQ00327		1	<5	<1	<.5	33	<2	68	<1	108	44	<1.0	<5	<5	<5	6.73	907	<25	198	96	80	<20	<20	8	9.29	3.82	5.20	2.30	0.51	344	14	<10	7	<5	15	<5	0.52	31
CQ00328		<1	<5	<1	<.5	35	<2	72	1	129	48	<1.0	<5	<5	<5	7.24	962	<25	201	79	71	<20	<20	8	9.41	4.48	5.03	2.24	0.54	337	13	<10	7	<5	11	<5	0.44	27
CQ00329		<1	<5	<1	<.5	34	<2	68	<1	111	46	<1.0	<5	<5	<5	6.90	938	<25	202	89	79	<20	<20	9	9.41	4.13	5.22	2.30	0.54	334	14	<10	7	<5	14	<5	0.50	28
CQ00330		<1	<5	<1	<.5	33	<2	71	<1	114	46	<1.0	<5	<5	<5	7.11	936	<25	206	101	68	<20	<20	9	9.36	4.18	4.95	2.34	0.54	341	13	<10	8	<5	11	<5	0.43	27
CQ00331		1	<5	<1	<.5	42	<2	73	1	97	45	<1.0	<5	<5	<5	7.08	969	<25	214	143	86	<20	<20	11	8.68	3.77	4.85	2.43	0.61	326	17	<10	8	<5	13	<5	0.51	36
CQ00332		<1	<5	<1	<.5	32	<2	101	1	56	54	<1.0	<5	<5	<5	8.36	1144	<25	363	107	186	<20	<20	20	8.07	2.76	5.07	2.48	0.84	305	32	<10	8	13	24	<5	1.44	51
CQ00333		1	<5	<1	<.5	32	<2	85	1	54	42	<1.0	<5	<5	<5	7.35	1054	<25	408	81	102	<20	<20	21	8.46	2.60	4.54	2.73	1.06	297	34	<10	8	9	17	<5	0.93	68
CQ00334		<1	<5	<1	<.5	42	<2	67	<1	109	44	<1.0	<5	<5	<5	6.72	889	<25	189	134	78	<20	<20	7	9.43	3.91	5.11	2.36	0.49	341	11	<10	7	<5	11	<5	0.45	26
CQ00335		1	<5	1	<.5	49	<2	82	<1	106	49	<1.0	<5	<5	<5	7.47	985	<25	223	146	90	<20	<20	10	9.30	4.22	4.88	2.32	0.58	326	16	<10	8	<5	12	<5	0.50	29
CQ00336		<1	<5	<1	<.5	53	<2	120	1	56	71	<1.0	<5	<5	<5	>10.00	1538	<25	374	78	206	<20	<20	21	7.78	3.38	5.33	2.34	0.80	290	36	<10	8	14	29	<5	1.79	45



BONDAR CLEGG



Geochemical I b Report

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REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

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PROJECT: XCAQUENI.3712
PAGE 2B(4/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00306		0.129
CQ00307		0.078
CQ00308		0.065
CQ00309		0.137
CQ00310		0.074
CQ00311		0.083
CQ00312		0.075
CQ00313		0.075
CQ00314		0.094
CQ00315		0.086
CQ00316		0.095
CQ00317		0.090
CQ00318		0.101
CQ00319		0.089
CQ00320		0.084
CQ00321		0.081
CQ00322		0.082
CQ00323		0.091
CQ00325		6.137
CQ00326		0.097
CQ00327		0.102
CQ00328		0.103
CQ00329		0.102
CQ00330		0.098
CQ00331		0.112
CQ00332		0.159
CQ00333		0.137
CQ00334		0.104
CQ00335		0.121
CQ00336		0.232



BONDAR CLEGG



Geochemical I Report

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PAGE 3A(5/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00337		<1	<5	<1	<.5	44	<2	98	2	31	53	<1.0	<5	<5	<5	8.86	1223	<25	386	112	220	<20	<20	19	8.92	2.31	5.64	2.66	0.84	318	31	<10	8	16	27	<5	1.45	54
CQ00338		<1	<5	<1	<.5	24	<2	64	<1	254	47	<1.0	<5	<5	<5	6.32	827	<25	168	76	82	<20	<20	8	9.32	4.99	5.34	1.86	0.44	339	13	<10	11	<5	13	<5	0.47	31
CQ00339		<1	<5	<1	<.5	21	<2	63	2	246	47	<1.0	<5	<5	<5	6.30	820	<25	178	86	73	<20	<20	8	9.12	4.84	5.19	2.00	0.45	356	13	<10	6	<5	12	<5	0.43	31
CQ00340		2	<5	<1	<.5	21	<2	68	<1	236	45	<1.0	<5	<5	<5	5.92	774	<25	172	82	76	<20	<20	8	8.58	4.44	5.21	2.01	0.43	363	13	<10	8	<5	11	<5	0.45	30
CQ00341		<1	<5	2	<.5	23	<2	69	1	248	47	<1.0	<5	<5	<5	6.14	797	<25	181	51	73	<20	<20	8	8.85	4.59	5.08	1.99	0.46	358	14	<10	8	<5	10	<5	0.48	32
CQ00342		<1	<5	<1	<.5	20	<2	63	<1	224	43	<1.0	<5	<5	<5	5.61	748	<25	163	75	74	<20	<20	7	8.32	4.28	5.03	2.02	0.46	357	13	<10	8	<5	11	<5	0.47	33
CQ00343		1	<5	1	<.5	16	<2	55	<1	174	39	<1.0	<5	<5	<5	5.46	737	<25	178	89	80	<20	<20	8	9.35	3.85	5.50	2.21	0.48	385	14	<10	6	<5	14	<5	0.49	35
CQ00344		1	<5	<1	<.5	16	<2	59	<1	198	42	<1.0	<5	<5	<5	5.74	752	<25	184	52	74	<20	<20	9	9.05	4.07	5.15	2.14	0.48	369	15	<10	6	<5	10	<5	0.49	36
CQ00345		<1	<5	<1	<.5	19	<2	60	<1	209	42	<1.0	<5	<5	<5	5.83	781	<25	177	67	78	<20	<20	8	9.44	4.17	5.45	2.14	0.48	368	14	<10	5	<5	13	<5	0.49	32
CQ00346		<1	<5	1	<.5	20	<2	62	<1	250	46	<1.0	<5	<5	<5	6.25	802	<25	172	60	68	<20	<20	8	9.06	4.80	5.09	2.04	0.45	353	13	<10	6	<5	10	<5	0.43	33
CQ00347		<1	<5	<1	<.5	24	<2	56	<1	217	41	<1.0	<5	<5	<5	5.61	740	<25	160	83	72	<20	<20	8	9.04	4.22	5.43	2.13	0.44	365	12	<10	6	<5	11	<5	0.42	31
CQ00348		<1	<5	1	<.5	31	<2	58	2	218	42	<1.0	<5	<5	<5	5.78	752	<25	170	66	71	<20	<20	8	9.24	4.08	5.30	2.16	0.45	368	13	<10	5	<5	10	<5	0.47	35
CQ00349		1	<5	<1	<.5	23	<2	56	<1	205	41	<1.0	<5	<5	<5	5.40	716	<25	152	84	68	<20	<20	7	8.42	3.96	5.08	2.10	0.44	353	12	<10	6	<5	9	<5	0.45	34
CQ00350		44	75	161	<.5	671	<2	139	1	14518	311	<1.0	<5	<5	<5	>10.00	954	<25	92	231	39	<20	<20	5	2.08	>10.00	0.79	0.64	0.50	52	<5	<10	16	<5	<5	<5	0.06	15
CQ00351		<1	<5	<1	<.5	25	<2	61	2	207	44	<1.0	<5	<5	<5	6.03	804	<25	172	78	75	<20	<20	8	9.89	4.38	5.53	2.12	0.45	355	14	<10	5	<5	12	<5	0.49	35
CQ00352		<1	<5	<1	<.5	27	<2	62	<1	235	46	<1.0	<5	<5	<5	6.20	813	<25	166	78	75	<20	<20	8	9.64	4.70	5.45	2.07	0.43	356	14	<10	6	<5	13	<5	0.45	32
CQ00353		1	<5	<1	<.5	24	<2	65	1	231	47	<1.0	<5	<5	<5	6.34	842	<25	170	59	72	<20	<20	8	9.90	4.77	5.50	2.10	0.42	356	14	<10	6	<5	11	<5	0.47	32
CQ00354		<1	<5	<1	<.5	33	<2	63	<1	235	46	<1.0	<5	<5	<5	6.27	834	<25	164	71	70	<20	<20	8	9.74	4.75	5.42	2.14	0.44	345	13	<10	5	<5	12	<5	0.43	28
CQ00355		<1	<5	<1	<.5	29	<2	68	2	275	51	<1.0	<5	<5	<5	6.88	881	<25	166	56	67	<20	<20	8	9.72	5.37	5.36	1.98	0.41	350	13	<10	6	<5	11	<5	0.43	30
CQ00356		<1	<5	<1	<.5	33	<2	62	<1	235	46	<1.0	<5	<5	<5	6.16	817	<25	160	60	71	<20	<20	8	9.69	4.65	5.49	2.05	0.42	346	13	<10	6	<5	12	<5	0.45	30
CQ00357		<1	<5	<1	<.5	30	<2	62	1	213	44	<1.0	<5	<5	<5	6.08	803	<25	162	71	69	<20	<20	7	9.35	4.48	5.42	2.14	0.43	356	13	<10	6	<5	10	<5	0.41	29
CQ00358		<1	<5	2	<.5	56	<2	60	<1	248	45	<1.0	<5	<5	<5	6.07	795	<25	159	75	68	<20	<20	8	9.08	4.35	5.24	2.11	0.45	354	13	<10	6	<5	10	<5	0.44	32
CQ00359		<1	<5	2	<.5	53	<2	58	1	230	42	<1.0	<5	<5	<5	5.76	750	<25	148	68	63	<20	<20	7	9.02	4.26	5.10	2.16	0.42	355	11	<10	6	<5	10	<5	0.38	29
CQ00360		<1	<5	1	<.5	30	<2	55	<1	189	40	<1.0	<5	<5	<5	5.57	734	<25	147	62	59	<20	<20	6	9.26	4.08	5.30	2.13	0.39	361	11	<10	5	<5	9	<5	0.38	30
CQ00361		<1	<5	1	<.5	28	<2	58	2	189	42	<1.0	<5	<5	<5	5.85	763	<25	153	57	61	<20	<20	7	>10.00	4.31	5.50	2.15	0.42	368	11	<10	5	<5	10	<5	0.40	28
CQ00362		1	<5	2	<.5	30	<2	58	<1	195	42	<1.0	<5	<5	<5	5.92	761	<25	155	56	60	<20	<20	7	9.99	4.32	5.53	2.13	0.39	367	11	<10	5	<5	10	<5	0.38	28
CQ00363		2	<5	3	<.5	113	<2	60	<1	326	48	<1.0	<5	<5	<5	6.24	788	<25	140	62	59	<20	<20	6	9.43	4.73	5.24	2.03	0.37	345	10	<10	5	<5	10	<5	0.36	26
CQ00364		<1	<5	2	<.5	32	<2	65	2	164	44	<1.0	<5	<5	<5	6.68	917	<25	187	101	90	<20	<20	9	9.26	3.88	5.42	2.30	0.49	330	17	<10	5	<5	17	<5	0.59	33
CQ00365		<1	<5	<1	<.5	30	<2	67	<1	179	44	<1.0	<5	<5	<5	6.70	888	<25	170	72	76	<20	<20	8	9.40	4.22	5.37	2.15	0.45	345	14	<10	6	<5	14	<5	0.46	27
CQ00366		<1	<5	<1	<.5	29	<2	64	1	207	45	<1.0	<5	<5	<5	6.38	842	<25	137	54	58	<20	<20	6	9.31	4.69	5.22	2.05	0.36	338	10	<10	4	<5	10	<5	0.38	31



BONDAR CLEGG



Geochemical Interpretation Report

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PROJECT: XCAQUENI.3712

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DATE RECEIVED: 10-MAY-01

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PAGE 3B(6/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00337		0.191
CQ00338		0.097
CQ00339		0.097
CQ00340		0.105
CQ00341		0.108
CQ00342		0.098
CQ00343		0.093
CQ00344		0.091
CQ00345		0.100
CQ00346		0.096
CQ00347		0.087
CQ00348		0.098
CQ00349		0.085
CQ00350		5.938
CQ00351		0.097
CQ00352		0.092
CQ00353		0.098
CQ00354		0.095
CQ00355		0.095
CQ00356		0.104
CQ00357		0.093
CQ00358		0.113
CQ00359		0.108
CQ00360		0.088
CQ00361		0.089
CQ00362		0.092
CQ00363		0.179
CQ00364		0.136
CQ00365		0.109
CQ00366		0.093



BONDAR CLEGG



Geochemical I b Report

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PAGE 4A(7/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00367		<1	<5	1	<.5	24	<2	69	<1	159	46	<1.0	<5	<5	<5	6.53	899	<25	189	90	100	<20	<20	10	8.92	4.26	5.48	2.19	0.48	325	18	<10	6	<5	17	<5	0.66	43	
CQ00368		<1	<5	2	<.5	31	<2	73	<1	175	49	<1.0	<5	<5	<5	7.28	992	<25	152	59	78	<20	<20	7	8.68	4.35	5.03	2.13	0.43	314	12	<10	6	<5	12	<5	0.61	42	
CQ00369		<1	<5	3	<.5	112	<2	73	<1	224	48	<1.0	<5	<5	<5	6.93	932	<25	183	91	102	<20	<20	8	8.89	3.98	5.27	2.20	0.48	328	16	<10	5	<5	17	<5	0.67	51	
CQ00370		3	<5	9	<.5	384	<2	78	<1	624	73	<1.0	<5	<5	<5	7.57	823	<25	187	100	94	<20	<20	7	9.42	4.20	5.15	1.80	0.48	348	13	<10	6	<5	11	<5	0.49	50	
CQ00371		<1	<5	2	<.5	98	<2	67	1	152	66	<1.0	<5	<5	<5	6.49	794	<25	148	54	69	<20	<20	6	9.73	4.52	5.56	1.79	0.47	369	10	<10	5	<5	10	<5	0.36	24	
CQ00372		2	<5	3	<.5	200	<2	64	<1	259	90	<1.0	<5	<5	<5	7.02	730	<25	147	63	71	<20	<20	5	9.42	4.55	5.27	1.78	0.42	360	10	<10	6	<5	10	<5	0.35	25	
CQ00373		1	<5	1	<.5	33	<2	70	<1	166	46	<1.0	<5	<5	<5	6.64	874	<25	194	39	61	<20	<20	9	9.17	4.06	5.14	2.20	0.45	332	15	<10	4	<5	8	<5	0.43	37	
CQ00374		3	<5	6	<.5	280	<2	78	<1	523	84	<1.0	<5	<5	<5	8.16	924	<25	131	73	63	<20	<20	6	8.52	5.65	4.69	1.69	0.38	288	10	<10	4	<5	10	<5	0.34	22	
CQ00375		44	74	166	<.5	655	<2	135	1	14264	302	<1.0	<5	<5	<5	>10.00	936	<25	101	220	38	<20	<20	5	2.07	>10.00	0.78	0.68	0.51	53	<5	<10	16	<5	<5	<5	0.06	15	
CQ00376		7	<5	12	<.5	364	<2	71	3	694	58	<1.0	<5	<5	<5	7.02	858	<25	189	157	109	<20	<20	11	8.53	3.51	5.09	2.21	0.57	310	19	<10	6	6	17	<5	0.74	50	
CQ00377		4	<5	15	<.5	526	<2	75	<1	914	79	<1.0	<5	<5	<5	7.77	842	<25	163	85	95	<20	<20	10	8.43	3.65	4.95	2.08	0.50	302	18	<10	5	<5	15	<5	0.69	43	
CQ00378		<1	<5	<1	<.5	26	<2	50	1	101	35	<1.0	<5	<5	<5	4.27	557	<25	134	54	52	<20	<20	<5	8.85	2.88	5.37	2.12	0.39	395	8	<10	5	<5	7	<5	0.36	28	
CQ00379		2	<5	3	<.5	186	<2	51	<1	383	58	<1.0	<5	<5	<5	5.25	580	<25	147	54	55	<20	<20	6	9.56	3.06	5.48	2.18	0.38	402	10	<10	7	<5	7	<5	0.39	31	
CQ00380		<1	<5	<1	<.5	48	<2	55	<1	155	46	<1.0	<5	<5	<5	5.50	681	<25	143	48	55	<20	<20	6	>10.00	4.07	5.49	2.08	0.40	392	11	<10	6	<5	9	<5	0.37	27	
CQ00381		1	<5	1	<.5	74	<2	53	<1	192	48	<1.0	<5	<5	<5	5.45	675	<25	148	37	56	<20	<20	6	>10.00	4.00	5.64	2.08	0.40	392	11	<10	6	<5	9	<5	0.38	26	
CQ00382		<1	<5	1	<.5	48	<2	55	<1	156	46	<1.0	<5	<5	<5	5.49	688	<25	143	43	55	<20	<20	5	9.67	4.01	5.48	2.07	0.35	387	10	<10	6	<5	8	<5	0.38	27	
CQ00383		2	<5	5	<.5	337	<2	60	2	631	75	<1.0	<5	<5	<5	6.83	742	<25	141	72	76	<20	<20	5	8.96	3.98	5.40	1.91	0.40	360	10	<10	5	<5	10	<5	0.37	28	
CQ00384		7	6	20	<.5	883	3	92	<1	2067	124	<1.0	<5	<5	<5	7.78	712	<25	145	116	86	<20	<20	5	>10.00	5.05	4.89	1.38	0.43	350	9	<10	13	<5	8	<5	0.28	19	
CQ00385		2	<5	6	<.5	284	<2	124	2	638	69	1.1	<5	<5	<5	6.21	774	<25	122	65	61	<20	<20	<5	8.79	4.11	5.39	1.58	0.38	299	8	<10	8	<5	6	<5	0.35	24	
CQ00386		3	<5	10	<.5	367	<2	102	1	720	75	<1.0	<5	<5	<5	7.01	741	<25	176	131	117	<20	<20	6	9.94	4.10	4.76	1.71	0.46	320	10	<10	7	6	7	<5	0.39	27	
CQ00387		5	7	18	0.7	912	<2	94	<1	1624	114	<1.0	<5	<5	<5	9.82	1017	<25	154	155	115	<20	<20	7	7.72	4.67	4.95	1.74	0.40	275	14	<10	5	5	13	<5	0.60	31	
CQ00388		4	7	14	<.5	740	<2	74	<1	1344	107	<1.0	<5	<5	<5	8.82	835	<25	136	64	57	<20	<20	<5	8.58	4.10	5.15	1.81	0.58	329	9	<10	8	<5	7	<5	0.33	28	
CQ00389		2	<5	4	<.5	156	<2	101	2	271	60	<1.0	<5	<5	<5	6.73	841	<25	257	93	106	<20	<20	7	9.60	4.01	5.26	1.74	0.49	410	13	<10	24	6	11	<5	0.58	35	
CQ00390		2	<5	5	<.5	312	<2	85	<1	531	66	<1.0	<5	<5	<5	7.09	798	<25	226	83	84	<20	<20	8	>10.00	3.77	5.38	1.96	0.48	376	13	<10	16	<5	10	<5	0.46	35	
CQ00391		<1	<5	3	<.5	123	<2	122	3	288	57	<1.0	<5	<5	<5	7.04	921	<25	131	110	70	<20	<20	7	9.38	4.62	4.73	1.90	0.34	310	13	<10	17	<5	11	<5	0.46	33	
CQ00392		<1	<5	4	<.5	65	<2	56	1	183	44	<1.0	<5	<5	<5	6.11	817	<25	156	77	72	<20	<20	8	9.19	3.44	5.17	2.12	0.39	353	15	<10	11	<5	10	<5	0.62	41	
CQ00393		1	<5	3	<.5	84	<2	57	4	238	45	<1.0	<5	<5	<5	6.26	778	<25	165	157	75	<20	<20	6	8.76	3.80	4.98	1.89	0.43	328	10	<10	11	<5	9	<5	0.44	35	
CQ00394		5	<5	5	<.5	311	<2	63	1	582	62	<1.0	<5	<5	<5	6.98	830	<25	133	135	91	<20	<20	7	8.67	4.25	4.94	1.92	0.40	325	14	<10	7	<5	13	<5	0.59	38	
CQ00395		5	8	10	<.5	887	3	118	1	1408	146	<1.0	<5	<5	<5	9.08	703	<25	127	349	150	<20	<20	5	9.39	3.99	4.08	1.34	0.32	296	8	<10	19	6	6	<5	0.31	25	
CQ00396		4	8	10	<.5	864	3	87	<1	1499	137	<1.0	<5	<5	<5	9.64	804	<25	154	109	90	<20	<20	12	>10.00	4.15	4.69	1.80	0.41	337	19	<10	21	<5	15	<5	0.57	44	

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PROJECT: XCAQUENI.3712
PAGE 4B(8/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00367		0.113
CQ00368		0.102
CQ00369		0.175
CQ00370		0.762
CQ00371		0.421
CQ00372		0.914
CQ00373		0.138
CQ00374		0.706
CQ00375		5.813
CQ00376		0.565
CQ00377		1.045
CQ00378		0.129
CQ00379		0.582
CQ00380		0.165
CQ00381		0.197
CQ00382		0.164
CQ00383		0.761
CQ00384		1.237
CQ00385		0.519
CQ00386		0.659
CQ00387		1.556
CQ00388		1.545
CQ00389		0.302
CQ00390		0.681
CQ00391		0.175
CQ00392		0.156
CQ00393		0.146
CQ00394		0.434
CQ00395		1.814
CQ00396		2.044



BONDAR CLEGG



Geochemical Job Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 5A(9/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00397		3	<5	7	<.5	418	<2	76	<1	764	82	<1.0	<5	<5	<5	7.87	866	<25	81	56	55	<20	<20	5	8.48	4.80	4.66	1.65	0.28	221	9	<10	26	<5	6	<5	0.35	28	
CQ00398		3	<5	9	<.5	508	5	57	<1	985	88	<1.0	<5	<5	<5	6.67	653	<25	115	75	45	<20	<20	<5	9.04	3.42	5.08	1.93	0.34	341	7	<10	11	<5	6	<5	0.32	23	
CQ00399		4	7	11	<.5	669	<2	82	3	1187	105	<1.0	<5	<5	<5	8.99	858	<25	153	117	91	<20	<20	7	8.63	3.60	5.02	1.86	0.41	329	13	<10	12	<5	11	<5	0.59	42	
CQ00400		4	<5	11	<.5	681	4	77	<1	1233	101	<1.0	<5	<5	<5	8.36	747	<25	135	73	44	<20	<20	<5	8.41	3.61	4.78	1.94	0.36	351	8	<10	9	<5	5	<5	0.34	28	
CQ00401		3	<5	11	<.5	620	<2	68	<1	991	89	<1.0	<5	<5	<5	7.38	659	<25	142	74	41	<20	<20	5	8.87	3.26	4.91	2.04	0.41	355	9	<10	9	<5	6	<5	0.35	35	
CQ00402		5	8	12	<.5	671	2	76	<1	1217	99	<1.0	<5	<5	<5	8.31	743	<25	137	76	44	<20	<20	5	8.71	3.64	4.74	1.97	0.37	354	8	<10	10	<5	6	<5	0.34	29	



BONDAR CLEGG



Geochemical Test Report

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 5B(10/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00397		0.584
CQ00398		1.302
CQ00399		1.624
CQ00400		1.532
CQ00401		1.440
CQ00402		1.517



BONDAR CLEGG



Geochemical J b Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 6A(11/16)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	
ANALYTICAL BLANK		<1	<5	1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		1	<5	1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		1	<5	2	<.5	3	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		1	<5	<1	<.5	2	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ANALYTICAL BLANK		<1	<5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses		6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mean Value		<1	3	1	0.3	1	1	1	<1	<1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	0.01	<0.01	<.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	<.01	3	
Standard Deviation		<1	-	<1	-	1	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		5	5	5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	<1		
ST 248		992	107	676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 248		1032	97	642	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 248		1022	96	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mean Value		1015	100	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Standard Deviation		21	6	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CANMET LKSD-2		-	-	-	<.5	33	45	220	<1	26	19	1.1	<5	10	<5	4.25	1963	<25	696	32	69	<20	<20	61	6.21	0.94	1.43	1.36	1.77	230	40	<10	22	11	11	<5	0.32	117		
CANMET LKSD-2		-	-	-	<.5	34	44	224	1	26	19	1.1	<5	12	<5	4.27	1931	<25	702	34	70	<20	<20	60	6.29	0.95	1.42	1.35	1.83	235	41	<10	21	10	11	<5	0.31	116		
Number of Analyses		-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mean Value		-	-	-	0.3	34	44	222	<1	26	19	1.1	3	11	3	4.26	1947	13	699	33	70	10	10	61	6.25	0.94	1.43	1.35	1.80	233	40	5	21	10	11	3	0.32	116		
Standard Deviation		-	-	-	<1	<1	3	<1	<1	<1	0.1	-	2	-	0.01	23	-	4	2	<1	-	-	<1	0.05	<0.01	0.01	0.01	0.04	3	<1	-	<1	<1	<1	-	0.01	<1			
Accepted Value		-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	0.40	128		

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 68(12/16)

PROJECT: XCAQUEN1.3712

STANDARD NAME	ELEMENT UNITS	S PCT
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ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		-

ANALYTICAL BLANK		-
Number of Analyses		4
Mean Value	0.001	
Standard Deviation		-
Accepted Value	<.001	

ST 248		-
ST 248		-
ST 248		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

CANMET LKSD-2	0.163	
CANMET LKSD-2	0.165	
Number of Analyses	2	
Mean Value	0.164	
Standard Deviation	0.001	
Accepted Value	0.140	



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01 DATE PRINTED: 15-MAY-01 PAGE 7A(13/16)

PROJECT: XCAQUENI.3712

Table with columns: STANDARD NAME, ELEMENT UNITS, and various elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with corresponding values.

Table with columns: CANMET STSD-4, GS91-1, and various elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with corresponding values.



BONDAR CLEGG



Geochemical Test Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 260		-
ST 260		-
ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

CANMET STSD-4	0.109
Number of Analyses	1
Mean Value	0.109
Standard Deviation	-
Accepted Value	0.090

GS91-1	0.035
Number of Analyses	1
Mean Value	0.035
Standard Deviation	-
Accepted Value	0.030



CLIENT: WMC EXPLORATION INC.
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DATE RECEIVED: 10-MAY-01 DATE PRINTED: 15-MAY-01 PAGE 8A(15/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00278		<1	7	4	<.5	80	8	149	2	125	55	<1.0	<5	<5	<5	7.60	740	<25	463	262	189	<20	<20	15	>10.00	2.02	0.25	0.85	2.39	86	8	14	91	12	13	<5	0.30	45
Duplicate		<1	<5	3	<.5	83	6	159	2	123	56	<1.0	<5	<5	<5	7.89	801	<25	557	253	192	<20	<20	30	>10.00	2.21	0.28	0.87	2.66	98	13	15	92	13	17	<5	0.31	51
CQ00295		1	<5	1	<.5	20	<2	38	1	101	25	<1.0	<5	<5	<5	3.35	535	<25	110	70	50	<20	<20	<5	8.78	2.25	6.13	2.04	0.51	449	7	<10	14	<5	6	<5	0.34	21
Duplicate					<.5	20	<2	40	2	103	25	<1.0	<5	<5	<5	3.41	537	<25	112	66	50	<20	<20	<5	9.08	2.27	6.14	2.01	0.50	456	7	<10	14	<5	7	<5	0.33	21
CQ00301		<1	<5	<1	<.5	18	<2	110	3	54	53	<1.0	<5	<5	<5	8.61	1326	<25	429	114	182	<20	<20	23	8.76	2.81	4.64	2.23	1.08	267	32	<10	13	14	26	<5	1.55	92
Duplicate		<1	<5	<1																																		
CQ00315		<1	<5	<1	<.5	24	<2	58	2	156	41	<1.0	<5	<5	<5	5.92	776	<25	167	66	59	<20	<20	7	9.68	4.20	5.21	2.20	0.46	365	11	<10	7	<5	10	<5	0.35	23
Duplicate					<.5	24	<2	58	2	154	41	<1.0	<5	<5	<5	5.86	773	<25	165	80	58	<20	<20	7	9.14	4.07	5.19	2.24	0.45	367	11	<10	6	<5	9	<5	0.36	23
CQ00325		45	74	163	<.5	695	<2	145	2	15016	321	<1.0	<5	<5	<5	>10.00	992	<25	93	214	38	<20	<20	5	2.13	>10.00	0.82	0.61	0.48	51	<5	<10	16	<5	<5	<5	0.06	14
Duplicate		47	72	168																																		
CQ00333		1	<5	<1	<.5	32	<2	85	1	54	42	<1.0	<5	<5	<5	7.35	1054	<25	408	81	102	<20	<20	21	8.46	2.60	4.54	2.73	1.06	297	34	<10	8	9	17	<5	0.93	68
Duplicate					<.5	32	<2	86	2	55	42	<1.0	<5	<5	<5	7.43	1052	<25	413	89	103	<20	<20	23	8.52	2.63	4.55	2.75	1.09	303	35	<10	7	9	18	<5	0.91	67
CQ00348		<1	<5	1	<.5	31	<2	58	2	218	42	<1.0	<5	<5	<5	5.78	752	<25	170	66	71	<20	<20	8	9.24	4.08	5.30	2.16	0.45	368	13	<10	5	<5	10	<5	0.47	35
Duplicate		2	<5	1																																		
CQ00353		1	<5	<1	<.5	24	<2	65	1	231	47	<1.0	<5	<5	<5	6.34	842	<25	170	59	72	<20	<20	8	9.90	4.77	5.50	2.10	0.42	356	14	<10	6	<5	11	<5	0.47	32
Duplicate					<.5	24	<2	62	1	220	45	<1.0	<5	<5	<5	6.13	796	<25	164	48	71	<20	<20	8	9.21	4.48	5.21	2.09	0.43	359	13	<10	5	<5	11	<5	0.46	32
CQ00370		3	<5	9	<.5	384	<2	78	<1	624	73	<1.0	<5	<5	<5	7.57	823	<25	187	100	94	<20	<20	7	9.42	4.20	5.15	1.80	0.48	348	13	<10	6	<5	11	<5	0.49	50
Duplicate					<.5	363	<2	75	<1	604	71	<1.0	<5	<5	<5	7.07	795	<25	174	105	97	<20	<20	7	8.65	3.88	4.94	1.87	0.50	339	13	<10	6	<5	10	<5	0.45	33
CQ00371		<1	<5	2	<.5	98	<2	67	1	152	66	<1.0	<5	<5	<5	6.49	794	<25	148	54	69	<20	<20	6	9.73	4.52	5.56	1.79	0.47	369	10	<10	5	<5	10	<5	0.36	24
Duplicate		1	<5	2																																		
CQ00390		2	<5	5	<.5	312	<2	85	<1	531	66	<1.0	<5	<5	<5	7.09	798	<25	226	83	84	<20	<20	8	>10.00	3.77	5.38	1.96	0.48	376	13	<10	16	<5	10	<5	0.46	35
Duplicate					<.5	284	<2	77	1	477	59	<1.0	<5	<5	<5	6.40	726	<25	206	100	83	<20	<20	8	9.05	3.24	4.85	1.97	0.49	363	13	<10	15	<5	9	<5	0.43	39
CQ00394		5	<5	5	<.5	311	<2	63	1	582	62	<1.0	<5	<5	<5	6.98	830	<25	133	135	91	<20	<20	7	8.67	4.25	4.94	1.92	0.40	325	14	<10	7	<5	13	<5	0.59	38
Duplicate		3	<5	5																																		



BONDAR CLEGG



Geochemical Test Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00792.0 (COMPLETE)

DATE RECEIVED: 10-MAY-01

DATE PRINTED: 15-MAY-01

PROJECT: XCAQUENI.3712
PAGE 88(16/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00278		2.057
Duplicate		2.050
CQ00295		0.104
Duplicate		0.108
CQ00301		0.130
Duplicate		
CQ00315		0.086
Duplicate		0.084
CQ00325		6.137
Duplicate		
CQ00333		0.137
Duplicate		0.135
CQ00348		0.098
Duplicate		
CQ00353		0.098
Duplicate		0.094
CQ00370		0.762
Duplicate		0.724
CQ00371		0.421
Duplicate		
CQ00390		0.681
Duplicate		0.610
CQ00394		0.434
Duplicate		



BONDAR CLEGG



WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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REPORT: V01-00793.0 (COMPLETE)

REFERENCE: ORDER #JMM02

CLIENT: WMC EXPLORATION INC.

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.3712

DATE RECEIVED: 08-MAY-01 DATE PRINTED: 14-MAY-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010511	1 AU	Au - FA35/36	48	1 PPB	FIRE ASSAY	010511	37 Zr	Zr - IC30	48	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010511	2 PT	Pt - FA36	48	5 PPB	FIRE ASSAY	010511	38 S	S - IC30	48	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010511	3 PD	Pd - FA36	48	1 PPB	FIRE ASSAY							
010511	4 AG	Ag - IC30	48	0.5 PPM	HF-HNO3-HClO4-HCL							
010511	5 CU	Cu - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010511	6 PB	Pb - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010511	7 ZN	Zn - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010511	8 MO	Mo - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010511	9 NI	Ni - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010511	10 CO	Co - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010511	11 CD	Cd - IC30	48	1.0 PPM	HF-HNO3-HClO4-HCL							
010511	12 BI	Bi - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	13 AS	As - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	14 SB	Sb - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	15 FE Tot	Fe - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010511	16 MN	Mn - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	17 TE	Te - IC30	48	25 PPM	HF-HNO3-HClO4-HCL							
010511	18 BA	Ba - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	19 CR	Cr - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010511	20 V	V - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010511	21 SN	Sn - IC30	48	20 PPM	HF-HNO3-HClO4-HCL							
010511	22 W	W - IC30	48	20 PPM	HF-HNO3-HClO4-HCL							
010511	23 LA	La - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	24 AL	Al - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010511	25 MG	Mg - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010511	26 CA	Ca - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010511	27 NA	Na - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010511	28 K	K - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010511	29 SR	Sr - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010511	30 Y	Y - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	31 GA	Ga - IC30	48	10 PPM	HF-HNO3-HClO4-HCL							
010511	32 LI	Li - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010511	33 NB	Nb - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	34 SC	Sc - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	35 TA	Ta - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010511	36 TI	Ti - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	46	? -200	46	TOTAL SAMPLE PREP	44
P PREPARED PULP	2	4 AS RECEIVED	2	SAMPLE SPLITS	2
				PULP VERIFICATION	2

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Carryover to the standard due to the high levels of iron in the samples. RRD 05/10/01

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00793.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 1A(1/10)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	AL PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00403		4	<5	9	<.5	670	10	132	1	1035	96	1.5	<5	<5	<5	8.76	818	<25	133	73	45	<20	<20	<5	>10.00	4.28	5.42	1.82	0.26	307	7	<10	16	<5	<5	<5	0.38	28	
CQ00404		5	5	15	<.5	978	7	84	3	1481	126	<1.0	<5	<5	<5	9.24	730	<25	181	111	89	<20	<20	7	>10.00	4.00	4.43	1.61	0.33	320	7	12	31	<5	<5	<5	0.44	29	
CQ00405		4	5	13	<.5	787	9	95	2	1588	135	1.2	<5	<5	6	>10.00	797	<25	157	99	54	<20	<20	5	>10.00	3.89	5.34	1.80	0.28	325	7	<10	13	<5	<5	<5	0.42	31	
CQ00406		4	<5	11	<.5	736	8	67	2	1287	118	<1.0	<5	5	<5	8.93	794	<25	142	85	51	<20	<20	5	>10.00	4.30	5.69	1.81	0.30	337	7	<10	11	<5	<5	<5	0.42	32	
CQ00407		6	5	17	0.6	1111	8	83	<1	1872	150	<1.0	<5	<5	<5	>10.00	805	<25	146	126	60	<20	<20	6	9.66	4.43	5.06	1.72	0.29	309	8	<10	14	<5	<5	<5	0.39	39	
CQ00408		7	5	23	0.6	1738	10	88	<1	2350	180	1.3	<5	6	<5	>10.00	731	<25	157	128	62	<20	<20	5	>10.00	3.93	5.17	1.80	0.33	337	7	<10	16	<5	<5	<5	0.42	29	
CQ00409		6	9	20	<.5	1307	13	84	<1	1994	153	1.3	<5	<5	<5	9.88	710	<25	164	164	62	<20	<20	<5	>10.00	4.22	4.38	1.65	0.35	322	6	<10	26	<5	<5	<5	0.31	28	
CQ00410		5	<5	15	<.5	934	11	85	<1	1380	129	1.3	<5	<5	<5	9.64	761	<25	180	148	65	<20	<20	6	>10.00	4.12	4.61	1.74	0.39	325	7	<10	23	<5	<5	<5	0.42	32	
CQ00411		6	7	20	0.6	1448	15	100	2	2016	176	1.3	<5	<5	<5	>10.00	737	<25	183	198	84	<20	<20	5	>10.00	3.57	4.88	1.93	0.42	319	6	10	17	<5	<5	<5	0.40	28	
CQ00412		5	<5	16	<.5	1110	10	80	<1	1512	143	1.1	<5	<5	<5	9.95	600	<25	176	205	81	<20	<20	9	9.65	3.57	4.19	1.83	0.44	283	8	<10	17	<5	<5	<5	0.49	45	
CQ00413		5	<5	14	<.5	1074	16	93	<1	1797	180	1.2	<5	<5	<5	>10.00	875	<25	253	303	179	<20	<20	8	7.89	4.36	3.12	1.52	0.69	209	7	<10	12	10	7	<5	0.48	42	
CQ00414		2	<5	8	<.5	940	13	117	26	1666	235	<1.0	<5	<5	<5	>10.00	549	<25	128	596	200	<20	<20	21	6.06	3.41	1.82	0.79	0.38	113	7	12	26	10	<5	<5	0.30	53	
CQ00415		4	11	5	1.5	971	32	1418	41	7081	916	3.8	<5	<5	<5	>10.00	358	<25	65	424	122	<20	<20	<5	3.86	0.96	0.33	0.27	0.31	42	<5	22	28	<5	<5	<5	0.09	8	
CQ00416		2	<5	7	<.5	1031	17	163	9	1995	277	1.0	<5	6	<5	>10.00	701	<25	763	375	147	<20	<20	20	9.65	2.00	0.28	0.94	2.00	104	6	23	57	<5	<5	<5	0.17	72	
CQ00417		3	<5	11	<.5	603	18	137	8	887	110	<1.0	<5	5	<5	8.79	748	<25	675	358	137	<20	<20	40	>10.00	1.87	0.62	1.17	1.55	161	9	21	65	6	<5	<5	0.28	117	
CQ00418		5	11	23	<.5	613	17	124	5	639	69	<1.0	<5	<5	<5	9.30	1129	<25	421	290	107	<20	<20	41	>10.00	2.01	0.83	1.13	1.50	169	10	21	83	<5	<5	<5	0.28	108	
CQ00419		2	8	12	<.5	175	15	200	4	181	59	<1.0	<5	<5	<5	8.79	1005	<25	429	248	131	<20	<20	34	>10.00	2.01	0.74	1.17	1.51	181	9	20	94	6	6	<5	0.41	68	
CQ00420		3	15	20	<.5	547	16	141	3	638	70	<1.0	<5	7	7	8.93	682	<25	512	279	152	<20	<20	28	>10.00	1.81	0.28	1.02	2.43	125	7	22	65	7	6	<5	0.34	92	
CQ00421		3	12	18	<.5	673	22	149	4	671	71	<1.0	<5	8	<5	8.96	679	<25	486	264	153	<20	<20	28	>10.00	1.87	0.28	1.05	2.22	121	8	21	64	7	7	<5	0.34	86	
CQ00422		3	10	14	<.5	492	16	129	4	603	59	<1.0	<5	<5	<5	8.47	586	<25	412	252	143	<20	<20	16	9.85	1.78	0.24	0.99	2.23	118	<5	20	66	8	<5	<5	0.29	88	
CQ00423		5	8	19	0.6	844	47	200	4	1050	76	1.1	<5	<5	<5	8.32	575	<25	366	293	133	<20	<20	17	9.35	2.19	1.32	1.33	1.17	219	<5	18	62	7	<5	<5	0.38	72	
CQ00424		<1	<5	2	<.5	19	25	21	9	20	3	<1.0	<5	<5	<5	1.28	109	<25	681	352	11	<20	<20	39	8.86	0.30	1.21	2.46	1.73	285	<5	14	15	<5	<5	<5	0.04	200	
CQ00425		43	67	151	<.5	701	7	126	<1	14515	281	2.3	<5	<5	<5	>10.00	916	<25	109	301	31	<20	<20	<5	2.13	>10.00	0.80	0.59	0.34	50	<5	<10	15	<5	<5	<5	0.09	28	
CQ00426		2	12	24	<.5	1164	19	252	4	2086	148	<1.0	<5	<5	5	>10.00	613	<25	213	314	196	<20	<20	9	>10.00	2.22	0.48	0.79	0.99	160	<5	22	117	11	<5	<5	0.34	51	
CQ00427		2	<5	17	<.5	807	29	257	3	2129	132	1.1	<5	<5	<5	7.20	245	<25	313	258	71	<20	<20	31	7.95	0.61	0.73	1.98	2.29	218	<5	22	26	<5	<5	<5	0.10	98	
CQ00428		2	<5	8	<.5	358	26	339	5	598	31	1.2	<5	<5	<5	3.54	340	<25	857	219	87	<20	<20	40	>10.00	0.92	0.53	2.04	3.03	206	<5	23	33	<5	<5	<5	0.13	87	
CQ00429		2	<5	9	0.6	268	16	687	3	334	49	1.9	<5	<5	<5	6.61	799	<25	604	263	204	<20	<20	14	>10.00	2.22	0.21	1.48	2.77	124	<5	34	58	13	6	<5	0.24	55	
CQ00430		2	<5	5	<.5	140	29	157	11	128	40	<1.0	<5	<5	<5	8.76	1164	<25	949	350	169	<20	<20	26	>10.00	1.94	1.15	2.16	2.48	369	9	21	46	12	38	<5	0.37	109	
CQ00431		2	<5	8	<.5	198	26	115	10	244	34	<1.0	<5	7	<5	8.11	1540	<25	1002	325	149	<20	<20	22	>10.00	1.76	1.34	2.01	2.04	355	10	20	33	11	20	<5	0.30	98	
CQ00432		2	<5	6	<.5	211	26	137	12	213	35	<1.0	<5	5	<5	8.34	1478	<25	983	353	185	<20	<20	24	8.20	2.02	1.30	1.96	2.04	334	10	16	28	18	20	<5	0.38	161	

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00793.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 1B(2/10)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00403		1.092
CQ00404		1.912
CQ00405		1.947
CQ00406		1.281
CQ00407		1.663
CQ00408		2.226
CQ00409		1.881
CQ00410		1.484
CQ00411		2.419
CQ00412		1.938
CQ00413		2.646
CQ00414		4.801
CQ00415		>10.00
CQ00416		6.081
CQ00417		2.908
CQ00418		3.141
CQ00419		2.122
CQ00420		2.508
CQ00421		2.627
CQ00422		2.524
CQ00423		2.057
CQ00424		0.077
CQ00425		5.150
CQ00426		4.008
CQ00427		2.804
CQ00428		0.534
CQ00429		1.326
CQ00430		1.582
CQ00431		1.389
CQ00432		1.412



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00793.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PROJECT: XCAQUENI.3712
PAGE 2A(3/10)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00433		2	<5	4	<.5	154	28	161	11	100	42	<1.0	<5	<5	<5	>10.00	1575	<25	556	381	230	<20	<20	22	9.36	2.37	1.45	1.84	2.00	336	11	14	36	22	27	<5	0.52	131	
CQ00434		2	<5	3	<.5	121	24	127	9	71	28	<1.0	<5	<5	<5	6.47	830	<25	336	542	142	<20	<20	16	7.53	1.45	1.04	1.78	1.63	260	10	11	31	12	18	<5	0.30	170	
CQ00435		1	<5	3	<.5	121	29	902	16	75	30	2.6	<5	6	<5	7.63	992	<25	844	385	136	<20	<20	20	8.54	2.00	0.83	1.77	2.29	214	13	10	44	14	21	<5	0.39	185	
CQ00436		2	<5	14	0.9	569	32	237	7	1184	56	<1.0	<5	<5	<5	6.33	706	<25	1222	379	115	<20	<20	22	8.35	1.91	0.54	2.08	2.51	180	10	<10	43	14	11	<5	0.43	276	
CQ00437		2	11	10	1.5	723	31	1489	11	819	45	4.8	<5	<5	<5	6.52	814	<25	1302	232	113	<20	<20	43	>10.00	2.31	1.02	2.35	2.61	248	11	12	50	11	10	<5	0.43	210	
CQ00438		2	<5	6	<.5	361	24	59	2	384	24	<1.0	<5	<5	<5	5.26	829	<25	976	318	81	<20	<20	46	>10.00	1.66	1.10	3.00	2.27	211	13	10	36	7	12	<5	0.34	238	
CQ00439		1	<5	<1	<.5	66	<2	96	1	75	63	<1.0	<5	<5	<5	>10.00	1318	<25	274	73	134	<20	<20	23	9.17	4.21	5.14	2.00	0.51	312	22	<10	32	10	13	<5	1.59	43	
CQ00440		2	<5	3	<.5	124	20	174	<1	73	42	<1.0	<5	<5	<5	9.16	1255	<25	733	358	109	<20	<20	45	>10.00	2.24	0.66	1.66	2.35	103	22	17	70	7	14	<5	0.45	61	
CQ00441		2	<5	3	<.5	98	24	192	5	67	43	<1.0	<5	7	<5	>10.00	1270	<25	836	291	121	<20	<20	48	>10.00	2.45	0.54	1.37	2.37	84	18	15	75	11	13	<5	0.53	71	
CQ00442		2	<5	3	<.5	120	20	162	2	68	40	<1.0	<5	<5	<5	8.24	1014	<25	425	348	107	<20	<20	21	7.95	2.12	0.42	1.66	2.15	85	12	16	70	10	6	<5	0.43	61	
CQ00443		1	<5	<1	<.5	48	5	56	<1	46	32	<1.0	<5	<5	<5	6.59	864	<25	239	217	116	<20	<20	5	>10.00	3.11	6.88	2.70	0.43	343	10	<10	8	<5	18	<5	0.67	52	
CQ00444		1	<5	<1	<.5	30	<2	87	2	33	45	<1.0	<5	5	<5	9.42	1197	<25	445	210	127	<20	<20	17	>10.00	2.62	6.21	2.81	0.74	325	23	<10	9	10	18	<5	1.29	96	
CQ00445		<1	<5	1	<.5	37	<2	75	<1	40	43	<1.0	<5	<5	<5	8.52	1110	<25	343	203	143	<20	<20	12	9.84	3.13	6.48	2.69	0.58	304	18	<10	9	8	23	<5	1.25	73	
CQ00446		3	<5	<1	<.5	43	<2	119	3	24	55	<1.0	<5	<5	<5	>10.00	1495	<25	476	166	212	<20	<20	22	8.56	2.76	6.16	2.63	0.77	278	30	<10	9	18	24	<5	1.68	111	
CQ00447		2	<5	<1	<.5	49	<2	99	3	33	64	<1.0	<5	7	<5	>10.00	1407	<25	382	192	251	<20	<20	15	8.59	3.15	7.06	2.49	0.59	273	24	<10	9	20	36	<5	2.39	91	
CQ00448		1	<5	1	<.5	44	<2	98	4	32	64	<1.0	<5	<5	<5	>10.00	1430	<25	439	240	236	<20	<20	19	8.80	3.01	6.92	2.51	0.70	263	26	<10	7	21	33	<5	2.28	118	
CQ00449		<1	<5	<1	<.5	47	<2	170	1	36	44	<1.0	<5	<5	<5	8.87	1253	<25	374	265	226	<20	<20	22	8.28	3.28	6.53	2.76	0.78	235	29	<10	13	20	33	<5	1.44	138	
CQ00450		39	59	139	<.5	778	12	139	<1	15997	311	2.4	<5	<5	<5	>10.00	1016	<25	122	297	33	<20	<20	<5	2.39	>10.00	0.88	0.66	0.38	53	<5	<10	16	<5	<5	11	0.10	34	



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00793.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PROJECT: XCAQUENI.3712
PAGE 2B(4/10)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00433		1.597
CQ00434		1.206
CQ00435		1.178
CQ00436		1.244
CQ00437		1.188
CQ00438		0.549
CQ00439		0.473
CQ00440		2.601
CQ00441		3.261
CQ00442		2.462
CQ00443		0.103
CQ00444		0.140
CQ00445		0.129
CQ00446		0.176
CQ00447		0.212
CQ00448		0.184
CQ00449		0.099
CQ00450		5.786



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PROJECT: XCAQUENI.3712

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PAGE 3A(5/10)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	
ANALYTICAL BLANK		<1	<5	<1	<.5	<1	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		<1	<5	<1	<.5	<1	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		4	<5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		2	3	<1	0.3	<1	1	1	<1	1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	<.01	3	
Standard Deviation		2	-	<1	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		5	5	5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<.01	<1	
ST 260		798	2035	1432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		788	2058	1452	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		793	2047	1442	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		7	17	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET STSD-4		-	-	-	<.5	68	17	98	2	31	17	<1.0	<5	18	6	3.97	1429	<25	1801	77	93	<20	<20	19	6.73	1.18	2.63	1.92	1.18	335	19	<10	13	8	9	<5	0.42	57		
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	0.3	68	17	98	2	31	17	0.5	3	18	6	3.97	1429	13	1801	77	93	10	10	19	6.73	1.18	2.63	1.92	1.18	335	19	5	13	8	9	3	0.42	57		
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46	53		
ST 248		915	80	618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		915	80	618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		>99	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		



BONDAR CLEGG



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00793.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 3B(6/10)

STANDARD NAME	ELEMENT UNITS	S PCT
ANALYTICAL BLANK		<0.002
ANALYTICAL BLANK		<0.002
ANALYTICAL BLANK		-
Number of Analyses		2
Mean Value		0.001
Standard Deviation		-
Accepted Value		<0.001

ST 260		-
ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

CANMET STSD-4		0.103
Number of Analyses		1
Mean Value		0.103
Standard Deviation		-
Accepted Value		0.090

ST 248		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-



BONDAR CLEGG



Geochemical I Report

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PAGE 4A(7/10)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM		
GS91-1		-	-	-	0.6	105	6	88	<1	45	24	<1.0	<5	16	<5	6.07	904	<25	727	111	159	<20	<20	12	9.58	2.19	2.21	1.74	1.10	299	16	<10	29	13	18	<5	0.52	50			
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	0.6	105	6	88	<1	45	24	0.5	3	16	3	6.07	904	13	727	111	159	10	10	12	9.58	2.19	2.21	1.74	1.10	299	16	5	29	13	18	3	0.52	50			
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1	0.51	60			

CLIENT: WMC EXPLORATION INC.

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DATE RECEIVED: 08-MAY-01

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PAGE 4B(8/10)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	S PCT
GS91-1		0.034
Number of Analyses		1
Mean Value		0.034
Standard Deviation		-
Accepted Value		0.030

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00793.0 (COMPLETE)

DATE RECEIVED: 08-MAY-01

DATE PRINTED: 14-MAY-01

PAGE 5A(9/10)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00406		4	<5	11	<.5	736	8	67	2	1287	118	<1.0	<5	5	<5	8.93	794	<25	142	85	51	<20	<20	5	>10.00	4.30	5.69	1.81	0.30	337	7	<10	11	<5	<5	<5	0.42	32	
Duplicate		3	<5	12	<.5	759	4	70	<1	1357	111	<1.0	<5	<5	<5	>10.00	842	<25	152	83	51	<20	<20	<5	>10.00	5.00	6.08	1.81	0.31	369	6	<10	13	<5	<5	<5	0.42	33	
CQ00423		5	8	19	0.6	844	47	200	4	1050	76	1.1	<5	<5	<5	8.32	575	<25	366	293	133	<20	<20	17	9.35	2.19	1.32	1.33	1.17	219	<5	18	62	7	<5	<5	0.38	72	
Duplicate					0.6	944	55	219	3	1158	83	1.0	<5	<5	<5	9.17	632	<25	403	321	144	<20	<20	19	>10.00	2.39	1.46	1.43	1.26	224	<5	18	66	8	<5	<5	0.43	77	
CQ00429		2	<5	9	0.6	268	16	687	3	334	49	1.9	<5	<5	<5	6.61	799	<25	604	263	204	<20	<20	14	>10.00	2.22	0.21	1.48	2.77	124	<5	34	58	13	6	<5	0.24	55	
Duplicate		2	<5	8																																			
CQ00443		1	<5	<1	<.5	48	5	56	<1	46	32	<1.0	<5	<5	<5	6.59	864	<25	239	217	116	<20	<20	5	>10.00	3.11	6.88	2.70	0.43	343	10	<10	8	<5	18	<5	0.67	52	
Duplicate					<.5	50	3	56	<1	46	33	<1.0	<5	<5	<5	6.66	870	<25	243	225	115	<20	<20	5	>10.00	3.08	6.92	2.69	0.42	342	10	<10	8	5	18	<5	0.66	54	



BONDAR CLEGG



Geochemical I Report

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PROJECT: XCAQUENI.3712
PAGE 5B(10/10)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00406		1.281
Duplicate		1.395
CQ00423		2.057
Duplicate		2.279
CQ00429		1.326
Duplicate		
CQ00443		0.103
Duplicate		0.104



BONDAR CLEGG



WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical I Report

REPORT: V01-00826.0 (COMPLETE)

REFERENCE: ORDER #JMM03

CLIENT: WMC EXPLORATION INC.
PROJECT: XCAQUEN1.3712

SUBMITTED BY: J. MCKINNON-MATTHEWS
DATE RECEIVED: 14-MAY-01 DATE PRINTED: 17-MAY-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 36 rows of analytical data for various elements like Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti.

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 2 rows of data for Zr and S. Includes a sub-table for SAMPLE TYPES with columns: SAMPLE TYPES, NUMBER, SIZE FRACTIONS, NUMBER, SAMPLE PREPARATIONS, NUMBER.

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PAGE 1A(1/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00451		<1	<5	<1	<.5	59	<2	69	1	54	62	<1.0	<5	<5	<5	8.84	1284	<25	317	190	296	<20	<20	15	7.30	3.31	6.95	2.40	0.64	262	25	<10	13	20	47	<5	1.98	47	
CQ00452		<1	<5	<1	<.5	80	<2	99	<1	130	60	<1.0	<5	<5	<5	>10.00	1441	<25	224	147	124	<20	<20	10	8.07	5.52	5.51	2.15	0.47	286	15	<10	10	6	22	<5	0.67	30	
CQ00453		<1	<5	<1	<.5	59	<2	101	<1	90	53	<1.0	<5	<5	<5	9.46	1361	<25	302	53	97	<20	<20	14	8.51	4.27	5.09	2.50	0.62	322	19	<10	10	5	18	<5	0.79	42	
CQ00454		<1	<5	<1	<.5	66	<2	95	<1	115	55	<1.0	<5	<5	<5	9.58	1302	<25	259	114	127	<20	<20	12	8.94	4.67	5.57	2.40	0.54	321	16	<10	10	6	19	<5	0.72	34	
CQ00455		<1	<5	<1	<.5	84	<2	128	2	123	71	<1.0	<5	<5	<5	>10.00	1709	<25	373	111	197	<20	<20	21	6.51	5.66	5.19	2.10	0.77	233	30	<10	10	12	29	<5	1.05	55	
CQ00456		<1	<5	<1	<.5	75	<2	118	2	133	67	<1.0	<5	<5	<5	>10.00	1661	<25	320	48	125	<20	<20	16	7.38	5.83	5.00	2.19	0.66	263	23	<10	10	8	23	<5	0.84	39	
CQ00457		<1	<5	<1	<.5	91	<2	119	<1	162	75	<1.0	<5	<5	<5	>10.00	1742	<25	223	61	98	<20	<20	9	7.01	6.96	4.58	1.86	0.45	238	13	<10	8	<5	18	<5	0.61	29	
CQ00458		<1	<5	<1	<.5	52	<2	91	<1	58	51	<1.0	<5	<5	<5	8.28	1232	<25	309	172	233	<20	<20	13	7.86	3.26	6.62	2.47	0.62	289	22	<10	9	16	39	<5	1.44	38	
CQ00459		<1	<5	<1	<.5	37	<2	81	<1	123	47	<1.0	<5	<5	<5	7.99	1105	<25	264	68	90	<20	<20	11	9.46	4.08	5.56	2.33	0.56	337	15	<10	9	<5	13	<5	0.66	36	
CQ00460		<1	<5	<1	<.5	38	<2	92	<1	128	50	<1.0	<5	<5	<5	8.59	1207	<25	287	92	106	<20	<20	12	9.48	4.24	5.97	2.32	0.57	333	17	<10	8	5	17	<5	0.76	39	
CQ00461		<1	<5	<1	<.5	37	<2	85	<1	125	49	<1.0	<5	<5	<5	8.25	1103	<25	281	102	102	<20	<20	11	8.58	3.81	5.56	2.24	0.55	327	16	<10	8	5	16	<5	0.74	38	
CQ00462		<1	<5	<1	<.5	38	<2	90	<1	127	50	<1.0	<5	<5	<5	8.57	1180	<25	282	84	108	<20	<20	12	9.19	4.15	5.83	2.31	0.56	337	17	<10	8	5	18	<5	0.75	41	
CQ00463		<1	<5	<1	<.5	44	<2	85	<1	126	46	<1.0	<5	<5	<5	8.19	1125	<25	267	36	73	<20	<20	10	9.37	4.01	5.64	2.19	0.51	355	13	<10	8	<5	13	<5	0.52	33	
CQ00464		<1	<5	<1	<.5	58	<2	84	1	101	50	<1.0	<5	<5	<5	8.35	1158	<25	255	61	91	<20	<20	10	9.52	4.15	5.91	2.27	0.52	346	15	<10	8	<5	17	<5	0.66	35	
CQ00465		<1	<5	<1	<.5	36	<2	82	<1	144	45	<1.0	<5	<5	<5	7.67	1060	<25	243	39	72	<20	<20	10	9.91	4.18	5.86	2.33	0.50	372	13	<10	7	<5	12	<5	0.54	33	
CQ00466		<1	<5	<1	<.5	46	<2	94	<1	206	57	<1.0	<5	<5	<5	9.55	1297	<25	213	43	72	<20	<20	9	9.08	5.63	5.40	2.11	0.44	319	12	<10	8	<5	13	<5	0.50	26	
CQ00467		<1	<5	<1	<.5	58	<2	91	<1	130	50	<1.0	<5	<5	<5	8.80	1197	<25	234	37	71	<20	<20	10	9.40	4.50	5.74	2.19	0.46	340	13	<10	9	<5	14	<5	0.50	31	
CQ00468		<1	<5	<1	<.5	34	<2	90	<1	48	44	<1.0	<5	<5	<5	7.87	1160	<25	353	68	128	<20	<20	17	9.88	2.96	6.33	2.75	0.68	358	25	<10	8	8	23	<5	1.00	47	
CQ00469		<1	<5	<1	<.5	31	<2	66	<1	197	45	<1.0	<5	<5	<5	6.70	898	<25	182	94	66	<20	<20	7	>10.00	4.86	6.37	2.22	0.36	379	10	<10	6	<5	12	<5	0.42	25	
CQ00470		<1	<5	<1	<.5	29	<2	64	<1	194	44	<1.0	<5	<5	<5	6.27	844	<25	168	93	61	<20	<20	6	8.54	4.39	5.61	2.08	0.45	346	9	<10	6	<5	9	<5	0.41	27	
CQ00471		<1	<5	<1	<.5	27	<2	65	1	165	42	<1.0	<5	<5	<5	6.31	850	<25	200	59	71	<20	<20	8	>10.00	4.13	6.22	2.26	0.42	382	12	<10	6	<5	11	<5	0.51	31	
CQ00472		<1	<5	<1	<.5	25	<2	62	<1	155	40	<1.0	<5	<5	<5	6.12	825	<25	206	86	73	<20	<20	12	>10.00	4.30	6.83	2.28	0.48	389	16	<10	6	<5	19	<5	0.51	35	
CQ00473		<1	<5	<1	<.5	29	<2	69	<1	186	45	<1.0	<5	<5	<5	6.58	896	<25	210	70	74	<20	<20	9	>10.00	4.48	6.41	2.32	0.41	385	13	<10	6	<5	11	<5	0.50	34	
CQ00474		<1	<5	<1	<.5	27	<2	69	<1	178	44	<1.0	<5	<5	<5	6.65	907	<25	219	64	74	<20	<20	10	>10.00	4.57	6.45	2.24	0.43	375	14	<10	6	<5	15	<5	0.52	37	
CQ00475		40	67	144	<.5	738	<2	152	<1	15296	319	<1.0	<5	<5	<5	>10.00	1045	<25	108	245	37	20	<20	5	2.13	>10.00	0.89	0.64	0.46	54	<5	<10	17	<5	<5	<5	0.07	14	
CQ00476		<1	<5	<1	<.5	28	<2	69	<1	169	44	<1.0	<5	<5	<5	6.72	903	<25	235	60	78	<20	<20	13	>10.00	4.51	6.69	2.31	0.51	391	18	<10	6	<5	17	<5	0.58	42	
CQ00477		<1	<5	<1	<.5	30	<2	70	<1	182	46	<1.0	<5	<5	<5	6.88	941	<25	267	57	79	<20	<20	17	>10.00	5.29	6.92	2.50	0.58	437	22	<10	8	<5	21	<5	0.60	43	
CQ00478		<1	<5	<1	<.5	27	<2	69	<1	180	44	<1.0	<5	<5	<5	6.49	898	<25	226	57	79	<20	<20	10	>10.00	4.31	6.35	2.23	0.42	389	14	<10	6	<5	12	<5	0.57	39	
CQ00479		<1	<5	<1	<.5	26	<2	72	<1	190	45	<1.0	<5	<5	<5	6.71	914	<25	233	61	82	<20	<20	10	>10.00	4.42	6.32	2.18	0.44	375	15	<10	5	<5	13	<5	0.57	39	
CQ00480		<1	<5	<1	<.5	25	<2	65	<1	178	42	<1.0	<5	<5	<5	6.11	851	<25	218	91	84	<20	<20	9	9.46	4.06	6.00	2.19	0.44	384	14	<10	6	<5	14	<5	0.59	39	



BONDAR CLEGG



Geochemical L Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PROJECT: XCAQUENI.3712
PAGE 1B(2/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00451		0.181
CQ00452		0.129
CQ00453		0.125
CQ00454		0.131
CQ00455		0.186
CQ00456		0.144
CQ00457		0.138
CQ00458		0.170
CQ00459		0.103
CQ00460		0.119
CQ00461		0.125
CQ00462		0.118
CQ00463		0.112
CQ00464		0.120
CQ00465		0.101
CQ00466		0.103
CQ00467		0.118
CQ00468		0.122
CQ00469		0.087
CQ00470		0.080
CQ00471		0.090
CQ00472		0.094
CQ00473		0.093
CQ00474		0.095
CQ00475		5.345
CQ00476		0.102
CQ00477		0.102
CQ00478		0.096
CQ00479		0.099
CQ00480		0.091



BONDAR CLEGG



Geochemical Laboratory Report

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PROJECT: XCAQUENI.3712

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PAGE 2A(3/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00481		<1	<5	<1	<5	25	<2	69	<1	185	43	<1.0	<5	<5	<5	6.58	877	<25	228	64	82	<20	<20	10	9.67	4.23	6.04	2.21	0.44	382	14	<10	5	<5	13	<5	0.58	41	
CQ00482		<1	<5	<1	<5	26	<2	67	<1	184	44	<1.0	<5	<5	<5	6.48	896	<25	227	73	81	<20	<20	11	>10.00	4.53	6.34	2.16	0.44	387	16	<10	6	<5	17	<5	0.57	42	
CQ00483		<1	<5	<1	<5	26	<2	67	<1	194	44	<1.0	<5	<5	<5	6.58	887	<25	212	79	81	<20	<20	10	9.69	4.43	6.13	2.21	0.41	367	14	<10	6	<5	14	<5	0.55	39	
CQ00484		<1	<5	<1	<5	24	<2	69	<1	178	43	<1.0	<5	<5	<5	6.50	881	<25	232	60	87	<20	<20	10	9.87	4.09	6.17	2.27	0.45	381	15	<10	6	<5	13	<5	0.61	41	
CQ00485		<1	<5	<1	<5	25	<2	72	<1	194	46	<1.0	<5	<5	<5	6.86	951	<25	237	70	89	<20	<20	11	>10.00	4.55	6.68	2.32	0.48	390	15	<10	7	<5	15	<5	0.62	38	
CQ00486		<1	<5	<1	<5	24	<2	69	<1	194	44	<1.0	<5	<5	<5	6.54	897	<25	227	66	85	<20	<20	11	9.73	4.32	6.01	2.22	0.48	360	16	<10	6	<5	14	<5	0.60	41	
CQ00487		<1	<5	<1	<5	22	<2	67	<1	174	40	<1.0	<5	<5	<5	6.19	850	<25	217	93	83	<20	<20	11	9.16	3.85	5.85	2.24	0.46	360	14	<10	6	<5	12	<5	0.58	39	
CQ00488		<1	<5	<1	<5	24	<2	73	<1	183	43	<1.0	<5	<5	<5	6.77	918	<25	238	67	87	<20	<20	12	9.73	4.13	6.07	2.29	0.47	377	14	<10	7	<5	13	<5	0.63	41	
CQ00489		<1	<5	1	<5	22	<2	71	<1	172	42	<1.0	<5	<5	<5	6.47	899	<25	231	64	85	<20	<20	11	9.67	3.87	6.09	2.24	0.46	364	14	<10	7	<5	13	<5	0.61	38	
CQ00490		<1	<5	<1	<5	26	<2	73	<1	174	42	<1.0	<5	<5	<5	6.76	943	<25	235	64	86	<20	<20	11	>10.00	4.01	6.28	2.30	0.46	374	14	<10	7	<5	13	<5	0.63	38	
CQ00491		<1	<5	<1	<5	27	<2	72	<1	164	41	<1.0	<5	<5	<5	6.79	936	<25	244	73	87	<20	<20	11	>10.00	3.84	6.46	2.31	0.47	380	14	<10	7	<5	14	<5	0.63	41	
CQ00492		<1	<5	<1	<5	23	<2	72	<1	140	40	<1.0	<5	<5	<5	6.55	988	<25	256	74	90	<20	<20	18	>10.00	4.50	7.09	2.80	0.57	447	21	<10	8	<5	18	<5	0.68	46	
CQ00493		<1	<5	<1	<5	40	<2	88	<1	296	55	<1.0	<5	<5	<5	8.78	1192	<25	189	75	75	<20	<20	8	8.92	6.15	5.79	1.92	0.37	326	12	<10	7	<5	14	<5	0.46	28	
CQ00494		<1	<5	<1	<5	27	<2	74	<1	164	40	<1.0	<5	<5	<5	6.71	938	<25	242	66	84	<20	<20	11	>10.00	3.83	6.64	2.33	0.46	387	14	<10	7	<5	14	<5	0.58	37	
CQ00495		<1	<5	<1	<5	30	<2	65	<1	144	36	<1.0	<5	<5	<5	6.43	865	<25	203	98	74	<20	<20	8	9.32	3.10	6.02	2.26	0.43	359	10	<10	6	<5	12	<5	0.53	29	
CQ00496		<1	<5	<1	<5	47	<2	73	<1	167	43	<1.0	<5	<5	<5	7.29	994	<25	196	103	70	<20	<20	7	>10.00	3.83	6.39	2.31	0.37	367	8	<10	6	<5	11	<5	0.46	23	
CQ00497		<1	<5	<1	<5	39	<2	70	<1	106	37	<1.0	<5	<5	<5	6.56	987	<25	224	119	77	<20	<20	14	>10.00	4.46	6.34	3.04	0.53	451	17	<10	8	<5	17	<5	0.45	36	
CQ00498		<1	<5	<1	<5	23	<2	77	<1	155	42	<1.0	<5	<5	<5	7.22	1055	<25	250	75	89	<20	<20	20	>10.00	4.94	6.99	2.71	0.60	443	24	<10	8	<5	23	<5	0.68	48	
CQ00499		<1	<5	<1	<5	32	<2	71	<1	157	40	<1.0	<5	<5	<5	6.74	906	<25	226	57	76	<20	<20	17	>10.00	4.20	6.85	2.44	0.57	411	19	<10	7	<5	21	<5	0.63	41	
CQ00500		<1	<5	<1	<5	46	<2	91	<1	374	62	<1.0	<5	<5	<5	9.48	1276	<25	159	77	60	<20	<20	7	8.83	7.44	5.53	1.75	0.30	311	8	<10	7	<5	12	<5	0.36	18	
CQ00501		<1	<5	<1	<5	48	<2	92	<1	379	63	<1.0	<5	<5	<5	9.69	1280	<25	163	80	61	<20	<20	6	8.69	7.40	5.58	1.80	0.30	318	8	<10	7	<5	11	<5	0.35	18	
CQ00502		<1	6	<1	<5	46	<2	91	<1	373	62	<1.0	<5	<5	<5	9.38	1258	<25	158	80	61	<20	<20	6	8.65	7.29	5.44	1.79	0.30	310	8	<10	6	<5	11	<5	0.35	19	
CQ00503		3	<5	<1	<5	29	<2	70	<1	191	43	<1.0	<5	<5	<5	6.47	907	<25	213	62	74	<20	<20	9	>10.00	4.31	6.34	2.17	0.39	378	12	<10	6	<5	11	<5	0.53	33	
CQ00504		2	<5	<1	<5	25	<2	67	<1	157	40	<1.0	<5	<5	<5	6.48	931	<25	225	83	74	<20	<20	15	>10.00	4.92	7.06	2.73	0.48	473	17	<10	7	<5	17	<5	0.53	37	
CQ00505		<1	<5	<1	<5	24	<2	66	<1	168	39	<1.0	<5	<5	<5	5.73	780	<25	200	76	73	<20	<20	9	9.66	3.63	6.09	2.24	0.38	372	11	<10	6	<5	11	<5	0.53	32	
CQ00506		<1	<5	<1	<5	23	<2	68	<1	154	39	<1.0	<5	<5	<5	6.32	938	<25	210	70	72	<20	<20	17	>10.00	5.35	7.19	2.89	0.51	499	20	<10	7	<5	20	<5	0.52	38	
CQ00507		<1	<5	<1	<5	25	<2	64	<1	204	41	<1.0	<5	<5	<5	6.17	853	<25	181	69	76	<20	<20	8	9.74	4.38	6.23	2.19	0.35	369	11	<10	6	<5	13	<5	0.50	28	
CQ00508		<1	<5	<1	<5	25	<2	67	<1	211	44	<1.0	<5	<5	<5	6.34	864	<25	197	66	75	<20	<20	8	9.89	4.41	6.22	2.20	0.36	378	12	<10	6	<5	11	<5	0.55	30	
CQ00509		<1	<5	<1	<5	30	<2	73	<1	264	49	<1.0	<5	<5	<5	7.31	982	<25	193	83	75	<20	<20	8	9.98	5.41	6.27	2.10	0.34	365	11	<10	6	<5	12	<5	0.48	27	
CQ00510		<1	<5	<1	<5	26	<2	64	4	195	41	<1.0	<5	<5	<5	6.17	862	<25	204	186	84	<20	<20	8	>10.00	4.14	6.71	2.20	0.35	375	11	<10	6	<5	11	<5	0.54	31	

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REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PROJECT: XCAQUENI.3712
PAGE 28(4/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00481		0.094
CQ00482		0.096
CQ00483		0.092
CQ00484		0.097
CQ00485		0.099
CQ00486		0.094
CQ00487		0.089
CQ00488		0.099
CQ00489		0.098
CQ00490		0.099
CQ00491		0.103
CQ00492		0.103
CQ00493		0.109
CQ00494		0.102
CQ00495		0.097
CQ00496		0.107
CQ00497		0.093
CQ00498		0.107
CQ00499		0.113
CQ00500		0.103
CQ00501		0.102
CQ00502		0.102
CQ00503		0.092
CQ00504		0.096
CQ00505		0.088
CQ00506		0.096
CQ00507		0.088
CQ00508		0.091
CQ00509		0.097
CQ00510		0.089



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DATE RECEIVED: 14-MAY-01

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PAGE 3A(5/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00511		<1	<5	<1	<.5	28	<2	71	<1	219	46	<1.0	<5	<5	<5	6.87	930	<25	215	68	79	<20	<20	9	>10.00	4.62	6.70	2.27	0.37	387	13	<10	6	<5	12	<5	0.56	34	
CQ00512		<1	<5	<1	<.5	26	<2	69	<1	208	44	<1.0	<5	<5	<5	6.59	899	<25	214	97	80	<20	<20	9	>10.00	4.38	6.48	2.25	0.38	386	13	<10	6	<5	11	<5	0.55	33	
CQ00513		<1	<5	<1	<.5	26	<2	66	1	180	42	<1.0	<5	<5	<5	6.42	853	<25	231	126	85	<20	<20	10	>10.00	3.96	6.61	2.36	0.41	403	13	<10	6	<5	12	<5	0.63	38	
CQ00514		<1	<5	<1	<.5	24	<2	59	4	172	38	<1.0	<5	<5	<5	5.66	774	<25	196	213	84	<20	<20	9	9.05	3.47	6.05	2.21	0.41	364	11	<10	6	<5	11	<5	0.56	34	
CQ00515		<1	<5	<1	<.5	25	<2	65	<1	184	41	<1.0	<5	<5	<5	6.22	835	<25	209	144	85	<20	<20	9	9.70	3.75	6.35	2.22	0.40	377	12	<10	6	<5	11	<5	0.59	35	
CQ00516		<1	5	<1	<.5	22	<2	58	4	159	36	<1.0	<5	<5	<5	5.44	739	<25	195	148	83	<20	<20	9	9.19	3.27	5.97	2.22	0.40	365	12	<10	6	<5	11	<5	0.59	35	
CQ00517		<1	<5	<1	<.5	22	<2	64	<1	191	41	<1.0	<5	<5	<5	6.16	834	<25	201	97	81	<20	<20	9	9.58	3.92	6.12	2.23	0.41	377	13	<10	6	<5	12	<5	0.56	33	
CQ00518		<1	<5	<1	<.5	20	<2	63	4	186	40	<1.0	<5	<5	<5	6.12	826	<25	209	139	85	<20	<20	9	9.89	3.90	6.33	2.22	0.40	379	13	<10	6	<5	13	<5	0.57	35	
CQ00519		<1	<5	<1	<.5	21	<2	66	1	188	41	<1.0	<5	<5	<5	6.22	843	<25	228	107	78	<20	<20	10	>10.00	4.01	6.49	2.32	0.42	396	13	<10	6	<5	11	<5	0.54	37	
CQ00520		<1	<5	<1	<.5	25	<2	70	2	210	43	<1.0	<5	<5	<5	6.65	916	<25	207	106	79	<20	<20	8	>10.00	4.28	6.49	2.19	0.37	379	11	<10	6	<5	10	<5	0.53	30	
CQ00521		<1	<5	<1	<.5	24	<2	65	<1	200	41	<1.0	<5	<5	<5	6.17	848	<25	192	127	77	<20	<20	8	9.33	3.97	6.01	2.19	0.41	361	11	<10	6	<5	11	<5	0.56	33	
CQ00522		<1	<5	<1	<.5	24	<2	68	1	205	42	<1.0	<5	<5	<5	6.43	892	<25	202	107	76	<20	<20	8	9.73	4.15	6.34	2.15	0.36	369	11	<10	6	<5	10	<5	0.51	29	
CQ00523		<1	<5	<1	<.5	24	<2	57	3	168	36	<1.0	<5	<5	<5	5.50	741	<25	185	127	77	<20	<20	9	8.73	3.32	5.56	2.21	0.43	360	12	<10	6	<5	11	<5	0.57	40	
CQ00524		<1	<5	<1	<.5	31	<2	64	1	182	41	<1.0	<5	<5	<5	6.26	832	<25	206	87	79	<20	<20	11	>10.00	4.12	6.13	2.28	0.45	383	16	<10	7	<5	14	<5	0.57	41	
CQ00525		42	71	158	<.5	724	<2	149	<1	15124	315	<1.0	<5	<5	<5	>10.00	1043	<25	114	230	37	<20	<20	5	2.11	>10.00	0.88	0.64	0.41	53	<5	<10	16	<5	<5	<5	0.07	15	
CQ00526		<1	<5	<1	<.5	23	<2	64	5	210	41	<1.0	<5	<5	<5	6.14	827	<25	207	172	81	<20	<20	9	>10.00	4.24	6.34	2.25	0.39	385	14	<10	6	<5	13	<5	0.55	34	
CQ00527		<1	<5	<1	<.5	19	<2	59	<1	173	38	<1.0	<5	<5	<5	5.75	756	<25	213	138	77	<20	<20	16	>10.00	4.18	6.60	2.32	0.53	393	21	<10	6	<5	21	<5	0.60	44	
CQ00528		<1	<5	<1	<.5	25	<2	66	1	251	45	<1.0	<5	<5	<5	6.41	866	<25	196	114	73	<20	<20	9	9.55	4.83	6.01	2.16	0.35	367	12	<10	6	<5	11	<5	0.48	34	
CQ00529		<1	<5	<1	<.5	21	<2	65	<1	201	41	<1.0	<5	<5	<5	6.09	826	<25	220	90	80	<20	<20	12	>10.00	4.28	6.75	2.26	0.44	395	16	<10	6	<5	16	<5	0.58	40	
CQ00530		<1	<5	<1	<.5	22	<2	67	2	243	44	<1.0	<5	<5	<5	6.41	872	<25	205	143	80	<20	<20	9	>10.00	4.75	6.46	2.20	0.36	382	13	<10	6	<5	12	<5	0.51	33	
CQ00531		<1	<5	<1	<.5	24	<2	64	<1	239	44	<1.0	<5	<5	<5	6.38	867	<25	194	129	78	<20	<20	8	9.86	4.73	6.40	2.15	0.34	376	12	<10	6	<5	12	<5	0.50	30	
CQ00532		<1	<5	<1	<.5	21	<2	59	<1	203	39	<1.0	<5	<5	<5	5.56	752	<25	193	145	74	<20	<20	8	8.71	3.75	5.87	2.16	0.38	373	11	<10	5	<5	9	<5	0.53	36	
CQ00533		<1	<5	<1	<.5	22	<2	59	3	208	39	<1.0	<5	<5	<5	5.62	769	<25	181	128	77	<20	<20	8	9.09	4.10	5.83	2.16	0.38	364	12	<10	6	<5	13	<5	0.49	33	
CQ00534		<1	<5	<1	<.5	25	<2	68	1	266	45	<1.0	<5	<5	<5	6.49	868	<25	181	131	67	<20	<20	8	9.46	5.01	5.75	2.14	0.36	367	12	<10	6	<5	11	<5	0.47	32	
CQ00535		<1	<5	<1	<.5	24	<2	60	<1	216	41	<1.0	<5	<5	<5	5.96	783	<25	201	156	75	<20	<20	11	>10.00	4.58	6.36	2.23	0.43	388	15	<10	6	<5	17	<5	0.47	35	
CQ00536		<1	<5	<1	<.5	24	<2	63	<1	210	41	<1.0	<5	<5	<5	5.99	818	<25	204	185	80	<20	<20	9	>10.00	4.34	6.58	2.32	0.39	396	13	<10	6	<5	14	<5	0.52	34	
CQ00537		<1	<5	<1	<.5	28	<2	75	6	312	52	<1.0	<5	<5	<5	7.53	988	<25	195	167	78	<20	<20	8	9.60	5.82	5.93	2.06	0.34	363	12	<10	6	<5	12	<5	0.47	30	
CQ00538		<1	<5	<1	<.5	27	<2	68	<1	248	46	<1.0	<5	<5	<5	6.67	891	<25	200	181	75	<20	<20	9	9.84	4.91	6.14	2.14	0.36	370	13	<10	6	<5	12	<5	0.48	32	
CQ00539		1	<5	<1	<.5	26	<2	65	5	220	44	<1.0	<5	<5	<5	6.41	844	<25	209	161	83	<20	<20	11	>10.00	4.68	6.66	2.29	0.42	399	15	<10	6	<5	16	<5	0.50	36	
CQ00540		<1	<5	<1	<.5	26	<2	66	<1	204	43	<1.0	<5	<5	<5	6.52	843	<25	212	159	72	<20	<20	13	>10.00	4.58	6.78	2.28	0.43	407	17	<10	6	<5	17	<5	0.53	36	



BONDAR CLEGG



Geochemical Laboratory Report

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REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PROJECT: XCAQUENI.3712
PAGE 3B(6/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00511		0.099
CQ00512		0.093
CQ00513		0.096
CQ00514		0.086
CQ00515		0.093
CQ00516		0.086
CQ00517		0.096
CQ00518		0.091
CQ00519		0.088
CQ00520		0.092
CQ00521		0.088
CQ00522		0.088
CQ00523		0.081
CQ00524		0.092
CQ00525		5.484
CQ00526		0.089
CQ00527		0.090
CQ00528		0.085
CQ00529		0.096
CQ00530		0.089
CQ00531		0.087
CQ00532		0.081
CQ00533		0.081
CQ00534		0.084
CQ00535		0.086
CQ00536		0.090
CQ00537		0.092
CQ00538		0.090
CQ00539		0.093
CQ00540		0.097



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DATE PRINTED: 17-MAY-01

PAGE 4A(7/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00541		1	<5	<1	<5	25	<2	63	6	198	40	<1.0	<5	<5	<5	6.08	818	<25	195	206	76	<20	<20	8	9.78	3.98	6.28	2.20	0.42	386	12	<10	6	<5	11	<5	0.49	32
CQ00542		<1	<5	<1	<5	24	<2	60	<1	188	39	<1.0	<5	<5	<5	5.87	792	<25	191	151	70	<20	<20	12	>10.00	4.30	6.25	2.37	0.42	401	17	<10	6	<5	17	<5	0.51	40
CQ00543		<1	<5	<1	<5	24	<2	65	2	276	45	<1.0	<5	<5	<5	6.57	877	<25	169	173	65	<20	<20	7	9.09	5.22	5.78	2.08	0.38	355	10	<10	6	<5	12	<5	0.40	28
CQ00544		1	<5	<1	<5	23	<2	60	3	196	40	<1.0	<5	<5	<5	5.88	797	<25	201	114	75	<20	<20	11	>10.00	4.30	6.46	2.25	0.44	390	13	<10	6	<5	14	<5	0.48	33
CQ00545		<1	<5	<1	<5	23	<2	69	1	292	48	<1.0	<5	<5	<5	6.81	905	<25	190	182	63	<20	<20	8	9.58	5.34	6.07	2.09	0.34	368	11	<10	5	<5	10	<5	0.41	31
CQ00546		<1	<5	<1	<5	26	<2	59	5	229	42	<1.0	<5	<5	<5	5.84	788	<25	189	202	73	<20	<20	8	9.39	4.27	6.01	2.17	0.35	381	11	<10	5	<5	9	<5	0.47	34
CQ00547		<1	<5	<1	<5	23	<2	62	<1	220	41	<1.0	<5	<5	<5	5.94	807	<25	192	149	66	<20	<20	8	>10.00	4.45	6.57	2.20	0.35	382	12	<10	5	<5	11	<5	0.46	32
CQ00548		1	<5	<1	<5	22	<2	62	5	213	42	<1.0	<5	<5	<5	6.00	806	<25	199	160	73	<20	<20	9	>10.00	4.36	6.35	2.19	0.36	383	13	<10	5	<5	11	<5	0.49	34
CQ00549		<1	<5	<1	<5	28	<2	70	2	227	45	<1.0	<5	<5	<5	6.74	897	<25	204	154	73	<20	<20	10	>10.00	4.77	6.58	2.17	0.39	378	14	<10	6	<5	14	<5	0.49	35
CQ00550		47	78	170	<5	748	<2	149	<1	15582	317	<1.0	<5	<5	<5	>10.00	1053	<25	89	236	37	<20	<20	5	2.17	>10.00	0.91	0.63	0.42	54	<5	<10	17	<5	<5	<5	0.07	15
CQ00551		2	<5	<1	<5	24	<2	63	1	228	41	<1.0	<5	<5	<5	5.95	788	<25	189	105	71	<20	<20	8	8.90	4.19	5.72	2.16	0.38	361	11	<10	5	<5	11	<5	0.48	36
CQ00552		1	<5	<1	<5	23	<2	59	<1	204	39	<1.0	<5	<5	<5	5.66	771	<25	178	70	71	<20	<20	11	>10.00	4.38	5.86	2.30	0.44	376	14	<10	6	<5	15	<5	0.49	35
CQ00553		<1	<5	<1	<5	24	<2	66	<1	199	42	<1.0	<5	<5	<5	6.58	869	<25	203	54	68	<20	<20	18	>10.00	5.42	6.62	2.46	0.56	418	24	<10	7	<5	24	<5	0.53	45
CQ00554		<1	<5	<1	<5	24	<2	64	<1	231	43	<1.0	<5	<5	<5	6.39	862	<25	184	56	66	<20	<20	12	>10.00	5.21	6.34	2.30	0.45	384	16	<10	6	<5	16	<5	0.48	35
CQ00555		<1	<5	<1	<5	23	<2	61	1	253	42	<1.0	<5	<5	<5	6.04	812	<25	161	67	64	<20	<20	8	9.01	4.79	5.62	2.12	0.35	353	11	<10	5	<5	12	<5	0.42	31
CQ00556		<1	6	<1	<5	26	<2	69	<1	276	48	<1.0	<5	<5	<5	6.68	903	<25	176	55	67	<20	<20	8	9.63	5.26	6.01	2.11	0.33	361	12	<10	6	<5	11	<5	0.45	30
CQ00557		<1	<5	<1	<5	25	<2	67	<1	241	45	<1.0	<5	<5	<5	6.35	865	<25	184	63	71	<20	<20	10	>10.00	5.01	6.64	2.22	0.39	375	14	<10	5	<5	15	<5	0.49	32
CQ00558		<1	<5	<1	<5	23	<2	60	<1	228	41	<1.0	<5	<5	<5	5.77	789	<25	167	62	66	<20	<20	7	9.22	4.40	5.85	2.16	0.34	357	11	<10	5	<5	11	<5	0.45	30
CQ00559		<1	<5	<1	<5	20	<2	52	<1	216	38	<1.0	<5	<5	<5	5.18	698	<25	147	79	61	<20	<20	7	8.18	3.98	5.12	2.18	0.39	355	10	<10	5	<5	9	<5	0.43	34
CQ00560		<1	<5	2	<5	18	<2	51	<1	218	37	<1.0	<5	<5	<5	5.00	665	<25	147	73	58	<20	<20	7	8.61	3.95	5.34	2.16	0.36	358	10	<10	5	<5	9	<5	0.41	34
CQ00561		<1	<5	2	<5	19	<2	52	1	227	39	<1.0	<5	<5	<5	5.28	711	<25	152	76	60	<20	<20	7	9.22	4.29	5.81	2.16	0.35	367	10	<10	5	<5	11	<5	0.39	28
CQ00562		1	<5	3	<5	20	<2	56	<1	239	41	<1.0	<5	<5	<5	5.49	756	<25	159	55	60	<20	<20	7	9.65	4.54	6.08	2.18	0.32	370	10	<10	5	<5	9	<5	0.41	28
CQ00563		<1	<5	<1	<5	24	<2	57	<1	226	41	<1.0	<5	<5	<5	5.96	777	<25	170	58	55	<20	<20	12	>10.00	5.29	6.87	2.35	0.46	418	16	<10	6	<5	17	<5	0.41	31
CQ00564		2	<5	<1	<5	24	<2	52	<1	224	39	<1.0	<5	<5	<5	5.19	700	<25	144	61	53	<20	<20	5	9.76	4.29	6.14	2.19	0.29	382	9	<10	5	<5	9	<5	0.36	26
CQ00565		<1	<5	2	<5	29	<2	53	<1	270	42	<1.0	<5	<5	<5	5.34	708	<25	123	53	42	<20	<20	<5	9.26	4.89	5.84	1.99	0.23	361	6	<10	4	<5	7	<5	0.27	19
CQ00566		2	<5	<1	<5	26	<2	50	<1	259	41	<1.0	<5	<5	<5	5.15	672	<25	118	62	41	<20	<20	<5	9.29	4.74	5.80	2.01	0.24	371	6	<10	4	<5	7	<5	0.27	18
CQ00567		1	<5	4	<5	70	<2	66	<1	211	43	<1.0	<5	<5	<5	6.52	878	<25	185	81	68	<20	<20	8	8.65	3.99	5.42	2.24	0.39	334	13	<10	6	<5	11	<5	0.52	31
CQ00568		<1	<5	3	<5	86	<2	62	<1	216	40	<1.0	<5	<5	<5	6.04	797	<25	170	147	70	<20	<20	8	7.84	3.55	5.04	2.15	0.38	319	11	<10	6	<5	11	<5	0.46	31
CQ00569		2	<5	4	<5	109	<2	61	<1	250	41	<1.0	<5	<5	<5	6.11	814	<25	156	116	70	<20	<20	7	8.16	3.81	5.11	2.18	0.38	323	11	<10	6	<5	12	<5	0.48	28
CQ00570		2	<5	3	<5	87	<2	58	1	234	38	1.0	<5	<5	<5	5.64	757	<25	170	129	74	<20	<20	9	7.64	3.32	4.78	2.29	0.48	321	14	<10	6	<5	11	<5	0.51	37



BONDAR CLEGG



Geochemical Laboratory Report

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PROJECT: XCAQUENI.3712

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PAGE 4B(8/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00541		0.088
CQ00542		0.088
CQ00543		0.082
CQ00544		0.088
CQ00545		0.083
CQ00546		0.077
CQ00547		0.085
CQ00548		0.084
CQ00549		0.095
CQ00550		5.584
CQ00551		0.085
CQ00552		0.082
CQ00553		0.095
CQ00554		0.090
CQ00555		0.081
CQ00556		0.089
CQ00557		0.093
CQ00558		0.082
CQ00559		0.070
CQ00560		0.070
CQ00561		0.071
CQ00562		0.077
CQ00563		0.089
CQ00564		0.076
CQ00565		0.074
CQ00566		0.067
CQ00567		0.118
CQ00568		0.121
CQ00569		0.128
CQ00570		0.116

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PAGE 5A(9/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00571		1	<5	4	<.5	129	<2	67	<1	272	43	<1.0	<5	<5	<5	6.52	923	<25	194	168	98	<20	<20	10	9.47	4.01	5.99	2.34	0.43	318	16	<10	6	<5	20	<5	0.64	36	
CQ00572		2	<5	4	<.5	82	<2	61	<1	281	41	<1.0	<5	<5	<5	6.07	817	<25	156	90	65	<20	<20	6	8.84	4.08	5.60	2.21	0.34	327	10	<10	6	<5	12	<5	0.40	24	
CQ00573		3	8	5	<.5	163	<2	74	<1	495	58	<1.0	<5	<5	<5	7.94	1042	<25	127	136	58	<20	<20	5	8.63	6.56	5.33	1.82	0.27	303	9	<10	5	<5	12	<5	0.33	20	
CQ00574		3	<5	4	<.5	133	<2	64	1	386	46	<1.0	<5	<5	<5	6.28	854	<25	159	97	79	<20	<20	7	>10.00	4.58	6.24	2.19	0.36	345	12	<10	6	<5	15	<5	0.47	27	
CQ00575		18	30	61	<.5	708	<2	142	<1	14891	303	<1.0	<5	<5	<5	>10.00	1011	<25	105	245	38	<20	<20	5	2.08	>10.00	0.86	0.66	0.43	54	<5	<10	17	<5	<5	<5	0.07	16	



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PROJECT: XCAQUENI.3712
PAGE 5B(10/16)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00571		0.170
CQ00572		0.120
CQ00573		0.168
CQ00574		0.159
CQ00575		5.345



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PAGE 6A(11/16)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	
ANALYTICAL BLANK		<1	<5	<1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01		<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		<1	<5	<1	<.5	<1	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01		<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	0.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		<1	<5	<1	<.5	<1	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01		<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	0.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		<1	<5	<1	<.5	1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01		<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANALYTICAL BLANK		1	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mean Value		<1	3	<1	0.3	<1	1	1	<1	<1	<1	0.5	3	3	3	<0.01		3	13	3	1	1	10	10	3	<0.01	<0.01	<.01	0.01	<.01	<1	3	5	1	3	3	3	<.01	3	
Standard Deviation		<1	-	-	-	<1	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<.01	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05		1	<1	<1	1	1	<1	<1	<1	-	<0.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	<1	
ST 248		1048	113	707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		1054	105	697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		1051	109	702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		4	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET STSD-4		-	-	-	<.5	66	16	105	1	30	16	<1.0	<5	12	<5	4.03	1560	<25	1920	71	97	<20	<20	21	6.59	1.21	2.79	1.97	1.13	382	20	<10	15	11	12	<5	0.40	45		
CANMET STSD-4		-	-	-	<.5	62	14	96	<1	31	15	<1.0	<5	12	<5	3.66	1434	<25	1739	74	94	<20	<20	18	6.01	1.11	2.61	1.98	1.19	365	19	<10	14	11	11	<5	0.39	42		
Number of Analyses		-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		-	-	-	0.3	64	15	100	1	31	16	0.5	3	12	3	3.84	1497	13	1830	73	96	10	10	20	6.30	1.16	2.70	1.97	1.16	373	19	5	15	11	12	3	0.39	44		
Standard Deviation		-	-	-	-	3	1	6	<1	<1	<1	-	<1	-	0.26	90	-	128	2	2	-	-	2	0.41	0.07	0.13	0.01	0.04	12	<1	-	<1	<1	<1	-	0.01	2			
Accepted Value		-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46	53		



BONDAR CLEGG



Geochemical L Report

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PAGE 6B(12/16)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	S PCT
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ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	-	

ANALYTICAL BLANK	-	
Number of Analyses	4	
Mean Value	0.001	
Standard Deviation	-	
Accepted Value	<.001	

ST 248	-	
ST 248	-	
Number of Analyses	-	
Mean Value	-	
Standard Deviation	-	
Accepted Value	-	

CANMET STSD-4	0.106	
CANMET STSD-4	0.102	
Number of Analyses	2	
Mean Value	0.104	
Standard Deviation	0.003	
Accepted Value	0.090	

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

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PROJECT: XCAQUENI.3712
PAGE 7A(13/16)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM			
ST 260		935	2450	1612	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST 260		891	2351	1636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST 260		904	2461	1703	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		910	2421	1650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		23	61	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GS91-1		-	-	-	<.5	100	2	90	<1	41	24	<1.0	<5	10	<5	5.23	874	<25	692	89	175	<20	<20	19	8.42	2.07	2.08	1.78	1.20	296	19	<10	31	14	24	<5	0.46	69				
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	0.3	100	2	90	<1	41	24	0.5	3	10	3	5.23	874	13	692	89	175	10	10	19	8.42	2.07	2.08	1.78	1.20	296	19	5	31	14	24	3	0.46	69				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1	0.51	60				
CANMET LKSD-2		-	-	-	<.5	36	43	211	<1	27	18	1.2	<5	10	<5	4.10	1999	<25	712	45	70	<20	<20	62	6.18	0.91	1.53	1.44	1.80	237	37	<10	22	12	11	<5	0.33	111				
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-	0.3	36	43	211	<1	27	18	1.2	3	10	3	4.10	1999	13	712	45	70	10	10	62	6.18	0.91	1.53	1.44	1.80	237	37	5	22	12	11	3	0.33	111				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	0.40	128				

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUEN1.3712

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

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PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 260		-
ST 260		-
ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

GS91-1	0.034
Number of Analyses	1
Mean Value	0.034
Standard Deviation	-
Accepted Value	0.030

CANMET LKSD-2	0.153
Number of Analyses	1
Mean Value	0.153
Standard Deviation	-
Accepted Value	0.140



CLIENT: WMC EXPLORATION INC.

REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 17-MAY-01

PROJECT: XCAQUENT.3712
PAGE 8A(15/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00457		<1	<5	<1	<.5	91	<2	119	<1	162	75	<1.0	<5	<5	<5	>10.00	1742	<25	223	61	98	<20	<20	9	7.01	6.96	4.58	1.86	0.45	238	13	<10	8	<5	18	<5	0.61	29	
Duplicate		<1	<5	<1	<.5	89	<2	115	1	158	72	<1.0	<5	<5	<5	>10.00	1665	<25	218	74	99	<20	<20	10	6.79	6.62	4.39	1.89	0.46	240	14	<10	8	<5	18	<5	0.58	31	
CQ00474		<1	<5	<1	<.5	27	<2	69	<1	178	44	<1.0	<5	<5	<5	6.65	907	<25	219	64	74	<20	<20	10	>10.00	4.57	6.45	2.24	0.43	375	14	<10	6	<5	15	<5	0.52	37	
Duplicate					<.5	27	<2	69	<1	180	44	<1.0	<5	<5	<5	6.56	904	<25	217	80	77	<20	<20	9	>10.00	4.40	6.40	2.27	0.43	374	14	<10	6	<5	13	<5	0.53	36	
CQ00480		<1	<5	<1	<.5	25	<2	65	<1	178	42	<1.0	<5	<5	<5	6.11	851	<25	218	91	84	<20	<20	9	9.46	4.06	6.00	2.19	0.44	384	14	<10	6	<5	14	<5	0.59	39	
Duplicate		<1	<5	<1																																			
CQ00494		<1	<5	<1	<.5	27	<2	74	<1	164	40	<1.0	<5	<5	<5	6.71	938	<25	242	66	84	<20	<20	11	>10.00	3.83	6.64	2.33	0.46	387	14	<10	7	<5	14	<5	0.58	37	
Duplicate					<.5	26	<2	71	<1	161	40	<1.0	<5	<5	<5	6.51	908	<25	236	68	82	<20	<20	11	>10.00	3.72	6.47	2.30	0.47	379	14	<10	7	<5	14	<5	0.58	39	
CQ00503		3	<5	<1	<.5	29	<2	70	<1	191	43	<1.0	<5	<5	<5	6.47	907	<25	213	62	74	<20	<20	9	>10.00	4.31	6.34	2.17	0.39	378	12	<10	6	<5	11	<5	0.53	33	
Duplicate		3	<5	<1																																			
CQ00511		<1	<5	<1	<.5	28	<2	71	<1	219	46	<1.0	<5	<5	<5	6.87	930	<25	215	68	79	<20	<20	9	>10.00	4.62	6.70	2.27	0.37	387	13	<10	6	<5	12	<5	0.56	34	
Duplicate					<.5	26	<2	65	<1	206	42	<1.0	<5	<5	<5	6.37	846	<25	200	98	78	<20	<20	8	9.28	4.04	6.16	2.18	0.38	366	11	<10	6	<5	10	<5	0.56	33	
CQ00526		<1	<5	<1	<.5	23	<2	64	5	210	41	<1.0	<5	<5	<5	6.14	827	<25	207	172	81	<20	<20	9	>10.00	4.24	6.34	2.25	0.39	385	14	<10	6	<5	13	<5	0.55	34	
Duplicate		<1	<5	<1																																			
CQ00531		<1	<5	<1	<.5	24	<2	64	<1	239	44	<1.0	<5	<5	<5	6.38	867	<25	194	129	78	<20	<20	8	9.86	4.73	6.40	2.15	0.34	376	12	<10	6	<5	12	<5	0.50	30	
Duplicate					<.5	23	<2	62	<1	234	43	<1.0	<5	<5	<5	5.92	817	<25	185	136	76	<20	<20	8	9.08	4.36	6.12	2.11	0.34	369	12	<10	5	<5	11	<5	0.50	31	
CQ00548		1	<5	<1	<.5	22	<2	62	5	213	42	<1.0	<5	<5	<5	6.00	806	<25	199	160	73	<20	<20	9	>10.00	4.36	6.35	2.19	0.36	383	13	<10	5	<5	11	<5	0.49	34	
Duplicate					<.5	21	<2	58	5	200	39	<1.0	<5	<5	<5	5.39	728	<25	180	160	70	<20	<20	8	9.33	3.86	5.81	2.15	0.36	363	12	<10	5	<5	10	<5	0.48	35	
CQ00549		<1	<5	<1	<.5	28	<2	70	2	227	45	<1.0	<5	<5	<5	6.74	897	<25	204	154	73	<20	<20	10	>10.00	4.77	6.58	2.17	0.39	378	14	<10	6	<5	14	<5	0.49	35	
Duplicate		<1	<5	<1																																			
CQ00568		<1	<5	3	<.5	86	<2	62	<1	216	40	<1.0	<5	<5	<5	6.04	797	<25	170	147	70	<20	<20	8	7.84	3.55	5.04	2.15	0.38	319	11	<10	6	<5	11	<5	0.46	31	
Duplicate					<.5	84	<2	60	<1	212	39	<1.0	<5	<5	<5	5.84	778	<25	164	168	72	<20	<20	7	7.58	3.45	4.92	2.26	0.41	326	11	<10	6	<5	10	<5	0.46	31	
CQ00572		2	<5	4	<.5	82	<2	61	<1	281	41	<1.0	<5	<5	<5	6.07	817	<25	156	90	65	<20	<20	6	8.84	4.08	5.60	2.21	0.34	327	10	<10	6	<5	12	<5	0.40	24	
Duplicate		2	<5	4																																			



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00826.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01 DATE PRINTED: 17-MAY-01 PAGE 8B(16/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00457		0.138
Duplicate		0.135
CQ00474		0.095
Duplicate		0.096
CQ00480		0.091
Duplicate		
CQ00494		0.102
Duplicate		0.100
CQ00503		0.092
Duplicate		
CQ00511		0.099
Duplicate		0.092
CQ00526		0.089
Duplicate		
CQ00531		0.087
Duplicate		0.086
CQ00548		0.084
Duplicate		0.078
CQ00549		0.095
Duplicate		
CQ00568		0.121
Duplicate		0.119
CQ00572		0.120
Duplicate		



BONDAR CLEGG



WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical I Report

REPORT: V01-00827.0 (COMPLETE)

REFERENCE: ORDER #JMM03

CLIENT: WMC EXPLORATION INC.
PROJECT: XCAQUENI.3712

SUBMITTED BY: J. MCKINNON-MATTHEWS
DATE RECEIVED: 15-MAY-01 DATE PRINTED: 18-MAY-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 36 rows of analytical data for various elements like Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta.

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains 4 rows of analytical data for Ti, Zr, and S.

Table with columns: SAMPLE TYPES, NUMBER, SIZE FRACTIONS, NUMBER, SAMPLE PREPARATIONS, NUMBER. Contains 2 rows of sample preparation details.

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Due to high Cr and Fe, on some samples lesser weights were used to facilitate fusing of samples Au, Pd and Pt.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00827.0 (COMPLETE)

DATE RECEIVED: 15-MAY-01 DATE PRINTED: 18-MAY-01 PAGE 1A(1/14)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective concentrations and units.



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PAGE 1B(2/14)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00576		0.51	34	0.634
CQ00577		0.65	35	0.230
CQ00578		0.27	17	0.291
CQ00579		0.57	36	0.114
CQ00580		0.44	39	0.104
CQ00581		0.53	33	0.117
CQ00582		0.43	39	0.102
CQ00583		0.50	29	0.208
CQ00584		0.48	29	0.395
CQ00585		0.35	39	0.296
CQ00586		0.30	46	0.075
CQ00587		0.76	36	0.108
CQ00588		0.53	35	0.824
CQ00589		0.57	32	0.483
CQ00590		0.53	32	0.090
CQ00591		0.41	22	0.080
CQ00592		0.73	33	0.169
CQ00593		0.76	27	0.541
CQ00594		0.47	33	1.025
CQ00595		0.86	56	0.120
CQ00596		0.58	36	0.295
CQ00597		0.46	30	0.216
CQ00598		0.40	29	0.963
CQ00599		0.80	42	0.214
CQ00600		0.47	43	0.435
CQ00601		0.40	34	0.469
CQ00602		0.46	43	0.401
CQ00603		0.39	25	0.173
CQ00604		0.49	24	1.409
CQ00605		0.20	10	1.765



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PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective concentrations and units.



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PROJECT: XCAQUENI.3712
PAGE 2B(4/14)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00606		0.26	18	1.185
CQ00607		0.56	32	1.655
CQ00608		0.39	26	1.068
CQ00609		0.60	29	0.959
CQ00610		0.46	27	0.316
CQ00611		0.98	45	0.116
CQ00612		0.66	54	0.892
CQ00613		0.23	16	0.828
CQ00614		0.37	28	2.423
CQ00615		0.47	29	1.942
CQ00616		0.25	18	2.053
CQ00617		0.21	19	1.185
CQ00618		0.27	21	0.877
CQ00619		0.32	25	1.633
CQ00620		0.31	17	0.879
CQ00621		0.32	15	1.032
CQ00622		0.32	16	0.866
CQ00623		0.48	23	0.198
CQ00624		0.48	19	0.650
CQ00625		0.05	17	5.583
CQ00626		0.55	23	4.530
CQ00627		0.64	31	1.649
CQ00628		0.50	37	0.539
CQ00629		0.37	55	0.054
CQ00630		0.44	53	0.387
CQ00631		0.31	37	0.600
CQ00632		0.14	35	0.138
CQ00633		0.17	68	0.084
CQ00634		0.20	54	0.081
CQ00635		0.33	46	0.651



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PAGE 3A(5/14)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective concentrations in PPM, PPB, or PCT.

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PROJECT: XCAQUENI .3712
PAGE 3B(6/14)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ00636		0.58	26	1.105
CQ00637		0.39	39	1.318
CQ00638		0.32	39	0.655
CQ00639		0.38	19	0.246
CQ00640		0.48	26	0.302
CQ00641		0.46	26	0.356
CQ00642		0.48	27	0.301
CQ00643		0.67	24	0.746
CQ00644		0.20	16	0.071
CQ00645		0.16	12	0.070
CQ00646		0.24	20	0.071
CQ00647		0.20	17	0.070
CQ00648		0.23	20	0.070
CQ00649		0.25	20	0.077
CQ00650		0.05	18	5.857
CQ00651		0.25	21	0.079
CQ00652		0.23	18	0.079
CQ00653		0.32	26	0.085
CQ00654		0.32	23	0.080
CQ00655		0.40	28	0.119
CQ00656		0.43	28	0.095
CQ00657		0.36	25	0.083
CQ00658		0.58	31	0.684
CQ00659		0.23	10	1.298
CQ00660		0.45	31	0.497
CQ00661		0.51	45	0.550
CQ00662		0.44	29	0.494
CQ00663		0.23	10	1.179
CQ00664		0.34	33	1.135
CQ00665		0.26	21	1.382

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PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ00666		6	8	19	31.00	<.5	697	2	112	5	1472	116	<1.0	<5	<5	<5	8.53	730	<25	166	240	166	<20	<20	16	>10.00	3.83	5.76	1.94	0.29	338	19	<10	7	9	17	<5	
CQ00667		6	6	9	15.93	<.5	437	3	311	4	1077	161	<1.0	<5	<5	<5	9.77	540	<25	92	1634	632	<20	<20	<5	>10.00	3.77	3.56	0.90	0.12	194	<5	43	4	38	<5	<5	
CQ00668		20	8	10	16.03	0.5	1271	<2	163	9	2023	236	<1.0	<5	<5	<5	>10.00	650	<25	174	406	225	<20	<20	15	>10.00	3.19	4.71	1.70	0.47	318	16	<10	5	14	14	<5	
CQ00669		4	9	5	31.94	<.5	243	3	183	2	236	105	1.0	<5	<5	<5	7.77	544	<25	100	735	258	<20	<20	<5	9.86	3.11	4.09	1.32	0.13	270	6	13	3	15	<5	<5	
CQ00670		2	9	11	30.65	<.5	295	5	147	7	314	119	<1.0	<5	<5	<5	>10.00	657	<25	134	454	208	<20	<20	10	>10.00	4.28	5.43	1.57	0.43	313	12	<10	4	14	10	<5	
CQ00671		<1	<5	8	31.20	<.5	144	6	118	2	152	77	<1.0	<5	<5	<5	8.82	611	<25	120	351	192	<20	<20	11	>10.00	4.08	5.46	1.71	0.47	330	11	<10	3	14	10	<5	
CQ00672		1	8	8	31.41	<.5	193	3	100	6	200	89	<1.0	<5	<5	<5	9.31	594	<25	150	262	173	<20	<20	11	>10.00	2.84	5.59	1.75	0.34	325	15	<10	3	9	12	<5	
CQ00673		2	8	7	30.56	<.5	250	5	130	5	209	98	<1.0	<5	<5	<5	>10.00	675	<25	139	334	210	<20	<20	12	>10.00	3.58	5.48	1.68	0.42	316	14	<10	3	6	12	<5	
CQ00674		1	<5	5	31.17	<.5	176	8	120	<1	184	98	<1.0	<5	<5	<5	>10.00	707	<25	139	345	171	<20	<20	12	>10.00	3.68	5.60	1.71	0.44	331	13	<10	3	<5	12	<5	
CQ00675		43	71	157	30.72	<.5	663	<2	134	<1	13399	337	<1.0	<5	<5	<5	>10.00	931	<25	95	267	38	<20	<20	7	1.99	>10.00	0.77	0.65	0.41	48	6	<10	15	<5	<5	<5	
CQ00676		4	10	7	32.47	<.5	176	5	115	5	204	105	<1.0	<5	<5	<5	8.72	592	<25	104	458	191	<20	<20	<5	7.06	2.43	4.59	1.58	0.18	266	6	<10	3	11	<5	<5	
CQ00677		3	<5	6	31.42	<.5	205	2	242	3	182	96	<1.0	<5	<5	<5	9.11	569	<25	95	662	478	<20	<20	<5	8.38	2.59	3.30	1.27	0.13	220	<5	22	3	29	<5	<5	
CQ00678		2	6	6	31.39	<.5	86	2	63	3	220	44	<1.0	<5	<5	<5	8.18	903	<25	183	40	45	<20	<20	20	>10.00	4.62	5.23	2.31	0.71	362	23	<10	7	<5	22	<5	
CQ00679		2	6	9	32.11	<.5	190	<2	73	1	323	85	<1.0	<5	<5	<5	8.91	925	<25	182	43	59	<20	<20	11	9.93	3.81	4.64	2.02	0.40	309	15	<10	9	<5	13	<5	
CQ00680		4	8	16	30.39	<.5	434	<2	78	3	729	141	<1.0	<5	<5	<5	>10.00	841	<25	157	54	56	<20	<20	9	9.80	3.72	4.94	1.86	0.35	298	14	<10	6	<5	11	<5	
CQ00681		4	7	14	32.55	<.5	385	<2	81	<1	719	130	<1.0	<5	<5	<5	>10.00	881	<25	149	57	52	<20	<20	9	9.74	3.91	4.90	1.88	0.33	306	13	<10	6	<5	11	<5	
CQ00682		4	10	16	31.74	0.5	434	3	77	4	716	140	<1.0	<5	<5	<5	>10.00	828	<25	156	57	56	<20	<20	10	9.63	3.65	4.85	1.89	0.36	302	14	<10	6	<5	11	<5	

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PAGE 4B(8/14)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ00666		0.47	38	1.324
CQ00667		0.27	15	1.405
CQ00668		0.49	31	4.120
CQ00669		0.23	17	1.465
CQ00670		0.31	19	2.526
CQ00671		0.26	22	1.764
CQ00672		0.47	36	2.322
CQ00673		0.34	28	2.272
CQ00674		0.30	26	1.974
CQ00675		0.05	19	5.283
CQ00676		0.23	22	2.142
CQ00677		0.31	11	1.729
CQ00678		0.47	50	0.648
CQ00679		0.48	23	1.355
CQ00680		0.43	26	2.666
CQ00681		0.38	28	2.323
CQ00682		0.43	27	2.631



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PAGE 5A(9/14)

Table with columns: STANDARD NAME, ELEMENT UNITS, and various elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective values and units.

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PROJECT: XCAQUENI.3712
PAGE 5B(10/14)

STANDARD NAME	ELEMENT	Ti	Zr	S
	UNITS	PCT	PPM	PCT

ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		-	-	-
ANALYTICAL BLANK		-	-	-

Number of Analyses		3	3	3
Mean Value		<.01	3	0.001
Standard Deviation		-	-	-
Accepted Value		<.01	<1	<.001

ST 260		-	-	-
ST 260		-	-	-
ST 260		-	-	-

Number of Analyses		-	-	-
Mean Value		-	-	-

Standard Deviation		-	-	-
Accepted Value		-	-	-

GS91-1		0.43	69	0.033
Number of Analyses		1	1	1
Mean Value		0.43	69	0.033
Standard Deviation		-	-	-
Accepted Value		0.51	60	0.030

ST 248		-	-	-
ST 248		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-



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PAGE 6A(11/14)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM		
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET LKSD-2		-	-	-	<.5	35	43	208	<1	26	21	1.0	<5	11	<5	4.39	1939	<25	707	38	69	<20	<20	61	6.28	0.93	1.44	1.40	2.09	226	37	<10	21	13	11	<5				
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	0.3	35	43	208	<1	26	21	1.0	3	11	3	4.39	1939	13	707	38	69	10	10	61	6.28	0.93	1.44	1.40	2.09	226	37	5	21	13	11	3				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1				
CANMET STSD-4		-	-	-	<.5	63	13	99	1	28	17	<1.0	<5	9	<5	4.02	1474	<25	1720	68	93	<20	<20	20	6.54	1.22	2.70	1.89	1.24	335	20	<10	14	10	11	<5				
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	0.3	63	13	99	1	28	17	0.5	3	9	3	4.02	1474	13	1720	68	93	10	10	20	6.54	1.22	2.70	1.89	1.24	335	20	5	14	10	11	3				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1				

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PROJECT: XCAQUENI.3712
PAGE 6B(12/14)

STANDARD	ELEMENT	Ti	Zr	S
NAME	UNITS	PCT	PPM	PCT

Accepted Value	-	-	-	-
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CANMET LKSD-2	0.34	117	0.159	
Number of Analyses	1	1	1	
Mean Value	0.34	117	0.159	
Standard Deviation	-	-	-	
Accepted Value	0.40	128	0.140	

CANMET STSD-4	0.42	41	0.105	
Number of Analyses	1	1	1	
Mean Value	0.42	41	0.105	
Standard Deviation	-	-	-	
Accepted Value	0.46	53	0.090	

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 PAGE 7A(13/14)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ00583		2	<5	5	32.93	<.5	212	<2	66	1	360	56	<1.0	<5	<5	<5	6.74	853	<25	155	101	80	<20	<20	9	9.75	4.14	5.67	2.11	0.33	323	13	<10	5	<5	14	<5	
Duplicate		3	<5	5		<.5	221	<2	68	2	362	57	1.5	<5	<5	<5	6.93	870	<25	159	97	81	<20	<20	9	9.90	4.22	5.74	2.16	0.33	326	13	<10	5	<5	14	<5	
CQ00600		2	6	9	30.49	<.5	363	<2	62	<1	561	62	<1.0	<5	<5	<5	7.10	757	<25	193	67	49	<20	<20	17	>10.00	4.14	5.91	2.32	0.59	373	22	<10	6	<5	13	<5	
Duplicate						<.5	371	<2	64	<1	580	64	<1.0	<5	<5	<5	7.21	786	<25	197	64	50	<20	<20	16	>10.00	4.19	6.07	2.35	0.55	375	21	<10	6	<5	12	<5	
CQ00606		6	9	24	31.61	0.6	1081	<2	62	<1	1518	92	<1.0	<5	<5	<5	7.95	687	<25	142	186	41	<20	<20	8	>10.00	4.42	5.07	2.20	0.53	360	10	<10	6	<5	10	<5	
Duplicate		6	10	26																																		
CQ00620		2	10	12	30.67	<.5	671	<2	107	1	644	123	<1.0	<5	<5	<5	>10.00	1298	<25	149	233	71	<20	<20	7	6.85	6.99	3.17	1.75	0.38	244	8	<10	11	<5	9	<5	
Duplicate						<.5	656	<2	107	<1	638	122	<1.0	<5	<5	<5	>10.00	1284	<25	148	220	71	<20	<20	7	6.78	6.91	3.12	1.78	0.39	242	8	<10	10	<5	9	<5	
CQ00629		1	<5	<1	31.64	<.5	48	9	85	<1	48	22	<1.0	<5	<5	<5	4.85	833	<25	410	72	77	<20	<20	20	8.68	2.65	3.25	3.36	0.98	329	17	<10	10	<5	10	<5	
Duplicate		<1	<5	<1																																		
CQ00637		<1	<5	<1	32.30	<.5	496	7	125	2	86	61	<1.0	<5	<5	<5	9.58	1327	<25	287	135	206	<20	<20	12	7.70	3.31	3.75	2.29	0.80	238	22	<10	11	15	31	<5	
Duplicate						<.5	510	7	130	2	88	63	<1.0	<5	<5	<5	9.87	1364	<25	294	123	210	<20	<20	12	7.91	3.40	3.85	2.33	0.80	241	22	<10	12	15	31	<5	
CQ00652		<1	<5	2	32.64	<.5	38	<2	56	<1	215	49	<1.0	<5	<5	<5	6.36	789	<25	125	87	40	<20	<20	6	>10.00	4.88	5.63	2.15	0.26	345	8	<10	5	<5	7	<5	
Duplicate		<1	<5	2																																		
CQ00657		<1	<5	3	31.11	<.5	39	<2	63	<1	185	49	<1.0	<5	<5	<5	6.78	858	<25	148	70	61	<20	<20	8	9.44	4.51	5.31	2.16	0.33	323	11	<10	6	<5	11	<5	
Duplicate						<.5	39	<2	63	<1	186	50	<1.0	<5	<5	<5	6.66	856	<25	146	68	61	<20	<20	8	9.40	4.48	5.30	2.11	0.32	311	11	<10	6	<5	11	<5	
CQ00674		1	<5	5	31.17	<.5	176	8	120	<1	184	98	<1.0	<5	<5	<5	>10.00	707	<25	139	345	171	<20	<20	12	>10.00	3.68	5.60	1.71	0.44	331	13	<10	3	<5	12	<5	
Duplicate						<.5	169	6	120	1	181	97	<1.0	<5	<5	<5	>10.00	698	<25	141	342	165	<20	<20	14	>10.00	3.88	5.62	1.75	0.53	331	15	<10	3	<5	14	<5	
CQ00675		43	71	157	30.72	<.5	663	<2	134	<1	13399	337	<1.0	<5	<5	<5	>10.00	931	<25	95	267	38	<20	<20	7	1.99	>10.00	0.77	0.65	0.41	48	6	<10	15	<5	<5	<5	
Duplicate		46	75	165																																		

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUEN1.3712

REPORT: V01-00827.0 (COMPLETE)

DATE RECEIVED: 15-MAY-01

DATE PRINTED: 18-MAY-01

PAGE 7B(14/14)

SAMPLE NUMBER	ELEMENT		Ti	Zr	S
	UNITS	PCT	PPM	PCT	PCT
CQ00583	0.50	29	0.208		
Duplicate	0.50	29	0.212		
CQ00600	0.47	43	0.435		
Duplicate	0.48	47	0.438		
CQ00606	0.26	18	1.185		
Duplicate					
CQ00620	0.31	17	0.879		
Duplicate	0.32	16	0.865		
CQ00629	0.37	55	0.054		
Duplicate					
CQ00637	0.39	39	1.318		
Duplicate	0.40	43	1.347		
CQ00652	0.23	18	0.079		
Duplicate					
CQ00657	0.36	25	0.083		
Duplicate	0.36	25	0.084		
CQ00674	0.30	26	1.974		
Duplicate	0.30	27	1.904		
CQ00675	0.05	19	5.283		
Duplicate					



BONDAR CLEGG



Geochemical Lab Report

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112



BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-00827.2 (COMPLETE)

REFERENCE: ORDER #JMM03

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: XCAQUENI.3712

DATE RECEIVED: 18-JUL-01

SUBMITTED BY: J. MCKINNON-MATTHEWS

DATE PRINTED: 30-JUL-01

DATE APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
010724	1	Ni Ni - GA50	26	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
010724	2	S Tot S (Total) - ST60	26	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	26	? -200	26		

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MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00827.2 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 30-JUL-01

PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
D? CQ00594		0.192	1.23
D? CQ00595		0.014	0.12
D? CQ00596		0.056	0.33
D? CQ00597		0.044	0.21
D? CQ00598		0.171	1.15
D? CQ00599		0.039	0.22
D? CQ00603		0.039	0.18
D? CQ00604		0.227	1.63
D? CQ00605		0.366	1.96
D? CQ00607		0.279	1.83
D? CQ00608		0.192	1.18
D? CQ00609		0.154	1.15
D? CQ00610		0.061	0.33
D? CQ00611		0.024	0.17
D? CQ00612		0.119	0.94
D? CQ00613		0.145	0.97
D? CQ00614		0.341	2.63
D? CQ00615		0.255	2.08
D? CQ00616		0.275	2.25
D? CQ00617		0.133	1.36
D? CQ00618		0.095	1.01
D? CQ00619		0.164	1.83
D? CQ00623		0.032	0.32
D? CQ00624		0.059	0.69
D? CQ00626		0.396	5.34
D? CQ00627		0.138	1.75



BONDAR CLEGG



Geochemical Lab Report

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DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 30-JUL-01

PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Ni PCT	S Tot PCT
SU-1A		1.216	-
Number of Analyses		1	-
Mean Value		1.2156	-
Standard Deviation		-	-
Accepted Value		1.233	10.00
UTS-2		-	3.24
Number of Analyses		-	1
Mean Value		-	3.240
Standard Deviation		-	-
Accepted Value		-	3.23



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00827.2 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENT.3712

DATE PRINTED: 30-JUL-01

PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
CQ00594		0.192	1.23
Duplicate		0.192	1.25
CQ00607		0.279	1.83
Duplicate		0.278	1.81
CQ00612		0.119	0.94
Duplicate		0.119	0.93
CQ00617		0.133	1.36
Duplicate		0.132	1.35
CQ00626		0.396	5.34
Duplicate		0.396	5.41



BONDAR CLEGG



copy

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MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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REPORT: V01-00828.0 (COMPLETE)

REFERENCE: ORDER #JMM03

CLIENT: WMC EXPLORATION INC.

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.3712

DATE RECEIVED: 14-MAY-01 DATE PRINTED: 21-MAY-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010518	1 AU	Au - FA35/36	48	1 PPB	FIRE ASSAY	010518	37 Zr	Zr - IC30	48	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010518	2 PT	Pt - FA36	48	5 PPB	FIRE ASSAY	010518	38 S	S - IC30	48	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010518	3 PD	Pd - FA36	48	1 PPB	FIRE ASSAY							
010518	4 Ag	Ag - IC30	48	0.5 PPM	HF-HNO3-HClO4-HCL							
010518	5 Cu	Cu - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010518	6 Pb	Pb - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010518	7 Zn	Zn - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010518	8 Mo	Mo - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010518	9 Ni	Ni - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010518	10 Co	Co - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010518	11 Cd	Cd - IC30	48	1.0 PPM	HF-HNO3-HClO4-HCL							
010518	12 Bi	Bi - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	13 As	As - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	14 Sb	Sb - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	15 Fe Tot	Fe - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010518	16 Mn	Mn - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	17 Te	Te - IC30	48	25 PPM	HF-HNO3-HClO4-HCL							
010518	18 Ba	Ba - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	19 Cr	Cr - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010518	20 V	V - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010518	21 Sn	Sn - IC30	48	20 PPM	HF-HNO3-HClO4-HCL							
010518	22 W	W - IC30	48	20 PPM	HF-HNO3-HClO4-HCL							
010518	23 La	La - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	24 Al	Al - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010518	25 Mg	Mg - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010518	26 Ca	Ca - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010518	27 Na	Na - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010518	28 K	K - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							
010518	29 Sr	Sr - IC30	48	1 PPM	HF-HNO3-HClO4-HCL							
010518	30 Y	Y - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	31 Ga	Ga - IC30	48	10 PPM	HF-HNO3-HClO4-HCL							
010518	32 Li	Li - IC30	48	2 PPM	HF-HNO3-HClO4-HCL							
010518	33 Nb	Nb - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	34 Sc	Sc - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	35 Ta	Ta - IC30	48	5 PPM	HF-HNO3-HClO4-HCL							
010518	36 Ti	Ti - IC30	48	0.01 PCT	HF-HNO3-HClO4-HCL							

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	47	2 -150	47	TOTAL SAMPLE PREP	45
P PREPARED PULP	1	4 AS RECEIVED	1	SAMPLE SPLITS	2
				PULP VERIFICATION	1

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

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MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00828.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 21-MAY-01

PAGE 1A(1/10)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00683		5	<5	4	<.5	138	3	61	1	352	71	<1.0	<5	<5	<5	6.86	745	<25	148	89	44	<20	<20	7	7.22	2.87	5.96	1.87	0.37	347	<5	<10	5	<5	8	<5	0.36	34	
CQ00684		4	<5	4	<.5	77	<2	59	<1	243	51	<1.0	<5	<5	<5	6.18	832	<25	151	65	56	<20	<20	8	7.51	3.25	5.98	1.96	0.35	335	6	<10	4	<5	10	<5	0.41	31	
CQ00685		4	<5	6	<.5	147	<2	60	<1	357	57	<1.0	<5	<5	<5	6.69	860	<25	157	61	58	<20	<20	8	8.20	3.69	6.02	2.02	0.36	353	7	<10	4	<5	10	<5	0.49	41	
CQ00686		4	<5	4	<.5	187	<2	49	<1	357	48	<1.0	<5	<5	<5	5.25	709	<25	163	84	75	<20	<20	8	7.82	2.47	6.97	2.09	0.35	370	6	<10	4	<5	11	<5	0.54	34	
CQ00687		3	<5	3	<.5	38	<2	50	<1	215	49	<1.0	<5	<5	<5	5.53	741	<25	136	53	44	<20	<20	7	8.01	3.34	6.32	2.05	0.31	381	<5	<10	4	<5	9	<5	0.37	28	
CQ00688		3	<5	1	<.5	27	<2	44	<1	188	45	<1.0	<5	<5	<5	4.61	630	<25	123	54	39	<20	<20	5	6.29	2.40	5.66	1.83	0.28	328	<5	<10	3	<5	7	<5	0.31	21	
CQ00689		5	<5	9	<.5	269	<2	51	<1	461	54	<1.0	<5	<5	<5	5.79	726	<25	131	62	39	<20	<20	6	7.50	3.23	5.93	2.00	0.32	364	<5	<10	4	<5	8	<5	0.33	26	
CQ00690		3	<5	5	<.5	345	<2	63	<1	512	57	<1.0	<5	<5	<5	6.86	975	<25	163	230	127	<20	<20	10	7.36	3.20	6.90	2.08	0.41	323	10	<10	4	7	23	<5	0.71	41	
CQ00691		6	<5	14	<.5	572	<2	83	<1	814	77	<1.0	<5	<5	<5	8.72	1051	<25	202	82	91	<20	<20	9	6.29	2.91	5.11	2.05	0.44	299	7	<10	4	<5	10	<5	0.85	49	
CQ00692		14	9	30	0.8	1191	<2	66	<1	1500	83	<1.0	<5	<5	<5	7.07	757	<25	162	91	64	<20	<20	8	7.32	2.37	5.18	2.20	0.41	309	6	<10	4	<5	9	<5	0.56	39	
CQ00693		12	10	44	0.8	1712	<2	69	<1	2518	118	<1.0	<5	<5	<5	7.58	661	<25	126	66	44	<20	<20	5	5.58	2.03	5.80	1.75	0.28	317	<5	<10	3	<5	7	<5	0.33	22	
CQ00694		2	<5	4	<.5	168	<2	48	<1	335	54	<1.0	<5	<5	<5	5.56	701	<25	129	48	29	<20	<20	6	9.62	3.43	6.59	2.18	0.31	400	<5	<10	4	<5	8	<5	0.26	27	
CQ00695		2	<5	1	<.5	21	<2	50	<1	162	51	<1.0	<5	<5	<5	6.17	805	<25	145	54	40	<20	<20	7	9.84	3.95	6.22	2.20	0.36	378	<5	<10	4	<5	10	<5	0.34	36	
CQ00696		3	<5	6	<.5	203	<2	72	<1	332	66	<1.0	<5	<5	<5	8.17	1021	<25	156	99	68	<20	<20	11	9.74	4.73	6.04	2.18	0.38	356	10	<10	4	<5	13	<5	0.55	40	
CQ00697		4	<5	13	<.5	919	<2	70	<1	895	80	<1.0	<5	<5	<5	7.03	788	<25	136	86	44	<20	<20	6	8.22	3.08	5.78	1.90	0.36	339	<5	<10	6	<5	8	<5	0.32	27	
CQ00698		9	12	29	<.5	705	3	62	<1	837	75	<1.0	<5	<5	<5	7.03	753	<25	144	56	35	<20	<20	7	8.97	3.48	5.88	2.19	0.36	378	<5	<10	3	<5	8	<5	0.29	28	
CQ00699		6	6	21	<.5	866	<2	73	<1	1192	106	<1.0	<5	<5	<5	8.35	830	<25	171	90	62	<20	<20	8	7.18	3.59	5.06	1.86	0.38	332	5	<10	10	<5	8	<5	0.32	41	
CQ00700		9	14	43	0.7	1513	2	80	<1	1923	124	<1.0	<5	<5	<5	8.28	667	<25	175	83	42	<20	<20	6	4.92	1.98	5.03	1.76	0.49	308	<5	<10	8	<5	6	<5	0.28	19	
CQ00701		8	10	40	0.5	1379	3	74	<1	1699	113	<1.0	<5	<5	<5	8.00	681	<25	158	74	37	<20	<20	6	7.04	2.23	5.03	1.91	0.53	300	<5	<10	9	<5	6	<5	0.27	23	
CQ00702		9	12	44	0.6	1505	3	81	<1	1861	123	<1.0	<5	<5	<5	8.72	755	<25	176	76	42	<20	<20	6	7.49	2.73	5.39	2.16	0.55	340	<5	<10	8	<5	7	<5	0.30	23	
CQ00703		7	10	25	0.7	1219	7	79	<1	1444	110	<1.0	<5	<5	<5	7.83	719	<25	169	79	40	<20	<20	5	6.32	2.77	5.43	1.82	0.48	351	<5	<10	13	<5	6	<5	0.21	17	
CQ00704		6	7	32	0.5	1169	4	61	<1	1506	113	<1.0	<5	<5	<5	7.24	588	<25	186	129	44	<20	<20	10	5.24	2.37	4.29	2.25	0.51	277	<5	<10	12	<5	7	<5	0.23	33	
CQ00705		18	19	54	1.1	2707	6	89	<1	2930	193	<1.0	<5	<5	<5	>10.00	866	<25	150	66	40	<20	<20	7	6.39	3.65	4.63	2.00	0.37	317	<5	<10	7	<5	8	<5	0.25	21	
CQ00706		5	<5	14	0.5	977	<2	59	<1	1065	104	<1.0	<5	<5	<5	7.60	707	<25	128	46	25	<20	<20	5	7.14	3.38	5.63	1.99	0.30	416	<5	<10	5	<5	7	<5	0.20	17	
CQ00707		6	7	26	0.6	1818	3	79	<1	1804	151	<1.0	<5	<5	<5	>10.00	1032	<25	169	61	70	<20	<20	10	6.36	3.58	5.40	1.93	0.41	365	7	<10	12	<5	11	<5	0.53	33	
CQ00708		3	<5	10	<.5	624	<2	58	<1	717	85	<1.0	<5	<5	<5	7.10	726	<25	164	45	32	<20	<20	6	6.18	2.71	5.26	2.13	0.40	385	<5	<10	10	<5	7	<5	0.29	20	
CQ00709		2	<5	5	<.5	478	<2	54	<1	434	73	<1.0	<5	<5	<5	6.29	692	<25	195	71	37	<20	<20	7	7.08	2.17	5.30	2.39	0.53	348	<5	<10	17	<5	7	<5	0.36	30	
CQ00710		2	<5	4	<.5	265	<2	55	<1	302	60	<1.0	<5	<5	<5	5.57	646	<25	200	228	55	<20	<20	7	6.42	2.00	4.40	2.38	0.56	324	<5	<10	12	<5	9	<5	0.32	26	
CQ00711		1	<5	2	<.5	292	<2	47	<1	309	52	<1.0	<5	<5	<5	5.93	889	<25	220	268	68	<20	<20	8	7.04	2.54	4.40	2.60	0.83	295	<5	<10	44	<5	12	<5	0.37	28	
CQ00712		3	<5	8	<.5	120	8	45	<1	171	36	<1.0	<5	<5	<5	4.72	870	<25	184	150	58	<20	<20	8	8.61	2.56	4.18	3.83	0.84	201	<5	<10	40	<5	12	<5	0.34	30	



BONDAR CLEGG



Geochemical L Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00828.D (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 21-MAY-01

PAGE 1B(2/10)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00683		0.694
CQ00684		0.166
CQ00685		0.243
CQ00686		0.244
CQ00687		0.079
CQ00688		0.064
CQ00689		0.243
CQ00690		0.314
CQ00691		0.624
CQ00692		1.017
CQ00693		1.503
CQ00694		0.208
CQ00695		0.075
CQ00696		0.247
CQ00697		0.843
CQ00698		0.746
CQ00699		1.037
CQ00700		1.692
CQ00701		1.533
CQ00702		1.877
CQ00703		1.305
CQ00704		1.518
CQ00705		2.976
CQ00706		1.180
CQ00707		1.846
CQ00708		0.796
CQ00709		0.633
CQ00710		0.502
CQ00711		0.506
CQ00712		0.318



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00828.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

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PAGE 2A(3/10)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PPM	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM		
CQ00713		2	<5	2	<5	546	11	60	<1	631	71	<1.0	<5	<5	<5	6.23	939	<25	261	155	67	<20	<20	10	8.54	2.69	3.85	3.53	0.80	353	5	<10	38	<5	14	<5	14	<5	0.40	41	
CQ00714		<1	<5	<1	<5	126	3	45	<1	144	34	<1.0	<5	<5	<5	4.21	682	<25	279	104	60	<20	<20	9	7.04	1.99	4.60	3.34	0.62	439	<5	10	15	<5	10	<5	10	<5	0.39	28	
CQ00715		3	<5	8	<5	1264	6	63	<1	1693	129	<1.0	<5	<5	<5	7.52	665	<25	257	106	57	<20	<20	8	5.04	1.73	4.17	3.13	0.60	424	<5	<10	14	<5	9	<5	9	<5	0.34	24	
CQ00716		6	10	18	1.0	2024	12	72	<1	2190	149	<1.0	<5	<5	<5	7.88	599	<25	114	72	61	<20	<20	9	4.15	1.35	3.36	3.18	0.72	459	<5	<10	13	<5	8	<5	8	<5	0.45	32	
CQ00717		3	<5	5	<5	170	16	144	<1	60	11	<1.0	<5	<5	<5	1.61	260	<25	426	153	29	<20	<20	6	2.91	0.58	2.04	4.08	1.11	350	<5	15	15	<5	<5	<5	<5	0.18	48		
CQ00718		4	10	14	<5	377	7	88	<1	185	49	<1.0	<5	<5	<5	8.13	1357	<25	225	147	202	<20	<20	12	7.93	3.55	6.67	2.47	0.57	289	9	<10	10	14	29	<5	14	29	<5	0.42	45
CQ00719		4	11	15	<5	945	9	89	<1	1458	109	<1.0	<5	<5	<5	8.62	930	<25	258	167	165	<20	<20	17	6.24	2.08	4.63	2.44	0.73	265	<5	<10	7	11	18	<5	18	<5	0.31	44	
CQ00720		7	25	65	0.5	2976	6	92	<1	5774	316	<1.0	<5	<5	<5	>10.00	220	<25	34	130	33	<20	<20	9	2.56	0.54	2.02	3.07	0.82	348	<5	<10	11	<5	5	<5	5	<5	0.15	36	
CQ00721		5	30	61	0.9	3965	8	96	<1	5582	308	<1.0	<5	<5	<5	>10.00	235	<25	39	80	37	<20	<20	15	2.64	0.67	1.99	3.01	0.78	364	<5	<10	10	<5	5	<5	5	<5	0.17	34	
CQ00722		12	27	64	0.5	2874	10	90	<1	5607	309	<1.0	<5	<5	<5	>10.00	213	<25	35	124	33	<20	<20	10	2.45	0.54	1.88	2.97	0.80	339	<5	<10	10	<5	<5	<5	<5	<5	0.15	35	
CQ00723		12	31	77	1.0	4857	13	103	1	5508	255	<1.0	<5	<5	<5	>10.00	203	<25	37	160	33	<20	<20	21	2.50	0.63	1.65	2.82	1.04	297	<5	<10	14	<5	5	<5	5	<5	0.16	45	
CQ00724		6	<5	15	<5	2037	15	67	<1	1218	47	<1.0	<5	<5	<5	4.09	262	<25	290	179	39	<20	<20	17	4.43	0.87	2.25	3.56	1.21	458	<5	13	15	<5	6	<5	6	<5	0.20	76	
CQ00725		46	72	165	<5	635	<2	120	<1	12114	328	<1.0	<5	<5	<5	>10.00	1003	<25	70	298	32	<20	<20	9	2.22	>10.00	0.86	0.87	0.54	54	<5	<10	14	<5	8	<5	8	<5	0.10	36	
CQ00726		59	10	22	1.2	1555	25	58	1	425	19	<1.0	<5	<5	<5	2.52	259	<25	566	166	38	<20	<20	13	3.71	0.83	2.23	3.57	1.23	472	<5	14	16	<5	6	<5	6	<5	0.17	53	
CQ00727		2	<5	3	<5	295	11	42	<1	66	10	<1.0	<5	<5	<5	1.67	192	<25	701	162	33	<20	<20	11	2.83	0.58	2.02	3.81	1.33	358	<5	16	16	<5	<5	<5	<5	<5	0.18	43	
CQ00728		2	<5	3	<5	201	14	55	<1	71	13	<1.0	<5	<5	<5	2.21	275	<25	705	155	45	<20	<20	16	4.31	0.94	2.04	3.77	1.47	364	<5	16	19	6	7	<5	7	<5	0.27	62	
CQ00729		8	14	25	1.0	1457	20	47	<1	401	16	<1.0	<5	<5	<5	1.87	208	<25	444	187	30	<20	<20	11	3.21	0.64	1.83	3.52	1.45	310	<5	14	14	<5	5	<5	5	<5	0.19	54	
CQ00730		6	9	16	<5	814	13	42	1	203	11	<1.0	<5	<5	<5	1.79	251	<25	452	150	34	<20	<20	15	3.01	0.57	2.29	3.73	1.08	333	<5	16	15	<5	5	<5	5	<5	0.18	44	



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00828.D (COMPLETE)

DATE RECEIVED: 14-MAY-01 DATE PRINTED: 21-MAY-01 PAGE 2B(4/10)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00713		0.937
CQ00714		0.245
CQ00715		2.105
CQ00716		2.559
CQ00717		0.078
CQ00718		0.235
CQ00719		1.474
CQ00720		7.300
CQ00721		6.151
CQ00722		6.827
CQ00723		5.476
CQ00724		1.503
CQ00725		5.070
CQ00726		0.505
CQ00727		0.117
CQ00728		0.095
CQ00729		0.369
CQ00730		0.164

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

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PAGE 3A(5/10)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	AL PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
ANALYTICAL BLANK		<1	<5	<1	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	<5	
ANALYTICAL BLANK		2	<5	<1	<.5	<1	<2	2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<.01	<5		
ANALYTICAL BLANK		2	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		2	3	<1	0.3	<1	1	2	<1	<1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	<.01	<0.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	<.01	3	
Standard Deviation		1	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	<1	
ST 24B		886	90	636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 24B		892	102	665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		889	96	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		4	9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		>99	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CANMET LKSD-2		-	-	<.5	34	38	203	1	26	22	<1.0	<5	9	<5	4.15	1808	<25	696	42	71	<20	<20	51	3.80	0.98	1.38	1.44	1.80	191	38	<10	21	12	11	<5	0.32	117		
Number of Analyses		-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	0.3	34	38	203	1	26	22	0.5	3	9	3	4.15	1808	13	696	42	71	10	10	51	3.80	0.98	1.38	1.44	1.80	191	38	5	21	12	11	3	0.32	117		
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	0.40	128		
ST 260		798	2128	1450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		798	2128	1450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00828.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 21-MAY-01

PAGE 3B(6/10)

STANDARD NAME	ELEMENT UNITS	S PCT
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		<.002
ANALYTICAL BLANK		-
Number of Analyses		2
Mean Value		0.001
Standard Deviation		-
Accepted Value		<.001

ST 248		-
ST 248		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

CANMET LKSD-2		0.164
Number of Analyses		1
Mean Value		0.164
Standard Deviation		-
Accepted Value		0.140

ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

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DATE PRINTED: 21-MAY-01

PAGE 4A(7/10)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	AL PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	
CANMET STSD-4		-	-	-	<.5	61	14	93	1	26	18	<1.0	<5	12	<5	3.80	1397	<25	1758	60	95	<20	<20	20	5.31	1.22	2.73	1.94	1.26	336	20	<10	13	11	13	<5	0.40	47		
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	0.3	61	14	93	1	26	18	0.5	3	12	3	3.80	1397	13	1758	60	95	10	10	20	5.31	1.22	2.73	1.94	1.26	336	20	5	13	11	13	3	0.40	47		
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46	53		

CLIENT: WMC EXPLORATION INC.

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DATE RECEIVED: 14-MAY-01

DATE PRINTED: 21-MAY-01

PAGE 4B(8/10)

STANDARD NAME	ELEMENT UNITS	S PCT
CANMET STSD-4		0.108
Number of Analyses		1
Mean Value		0.108
Standard Deviation		-
Accepted Value		0.090

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DATE RECEIVED: 14-MAY-01

DATE PRINTED: 21-MAY-01

PAGE 5A(9/10)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00691		6	<5	14	<.5	572	<2	83	<1	814	77	<1.0	<5	<5	<5	8.72	1051	<25	202	82	91	<20	<20	9	6.29	2.91	5.11	2.05	0.44	299	7	<10	4	<5	10	<5	0.85	49	
Duplicate		10	<5	15	<.5	588	<2	84	<1	808	77	<1.0	<5	<5	<5	9.13	1097	<25	209	83	92	<20	<20	10	7.53	3.37	5.45	2.27	0.51	326	9	<10	4	<5	12	<5	0.90	59	
CQ00708		3	<5	10	<.5	624	<2	58	<1	717	85	<1.0	<5	<5	<5	7.10	726	<25	164	45	32	<20	<20	6	6.18	2.71	5.26	2.13	0.40	385	<5	<10	10	<5	7	<5	0.29	20	
Duplicate					<.5	653	<2	61	<1	750	90	<1.0	<5	<5	<5	7.11	752	<25	159	55	34	<20	<20	6	7.43	2.61	4.71	2.26	0.48	352	<5	<10	10	<5	7	<5	0.34	29	
CQ00714		<1	<5	<1	<.5	126	3	45	<1	144	34	<1.0	<5	<5	<5	4.21	682	<25	279	104	60	<20	<20	9	7.04	1.99	4.60	3.34	0.62	439	<5	10	15	<5	10	<5	0.39	28	
Duplicate		<1	<5	<1																																			
CQ00728		2	<5	3	<.5	201	14	55	<1	71	13	<1.0	<5	<5	<5	2.21	275	<25	705	155	45	<20	<20	16	4.31	0.94	2.04	3.77	1.47	364	<5	16	19	6	7	<5	0.27	62	
Duplicate					<.5	193	14	55	<1	69	12	<1.0	<5	<5	<5	2.12	262	<25	678	131	45	<20	<20	16	3.87	0.88	2.03	3.68	1.44	348	<5	15	18	6	6	<5	0.25	52	

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00828.0 (COMPLETE)

DATE RECEIVED: 14-MAY-01

DATE PRINTED: 21-MAY-01

PAGE 5B(10/10)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00691		0.624
Duplicate		0.655
CQ00708		0.796
Duplicate		0.926
CQ00714		0.245
Duplicate		
CQ00728		0.095
Duplicate		0.087



BONDAR CLEGG



Geochemical Lab Report

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112



BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-00828.3 (COMPLETE)

REFERENCE: ORDER #JMM03

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: XCAQUENI.3712

SUBMITTED BY: J. MCKINNON-MATTHEWS
DATE RECEIVED: 18-JUL-01 DATE PRINTED: 26-JUL-01

DATE APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
010725	1	Ni Ni - GA50	15	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
010725	2	S Tot S (Total) - ST60	15	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	15	2 -150.	15		

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00828.3 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI .3712

DATE PRINTED: 26-JUL-01

PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
D2 CQ00692		0.183	1.19
D2 CQ00693		0.312	1.87
D2 CQ00699		0.149	1.37
D2 CQ00700		0.227	2.01
D2 CQ00703		0.171	1.48
D2 CQ00704		0.185	1.90
D2 CQ00705		0.359	3.58
D2 CQ00706		0.127	1.47
D2 CQ00707		0.215	2.17
D2 CQ00715		0.200	2.55
D2 CQ00716		0.267	3.21
D2 CQ00719		0.185	1.80
D2 CQ00720		0.684	7.79
D2 CQ00723		0.669	7.01
D2 CQ00724		0.140	1.58



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00828.3 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUEN1.3712

DATE PRINTED: 26-JUL-01

PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Ni PCT	S Tot PCT
SU-1A		1.228	-
Number of Analyses		1	-
Mean Value		1.2278	-
Standard Deviation		-	-
Accepted Value		1.233	10.00
PD-1		-	8.32
Number of Analyses		-	1
Mean Value		-	8.320
Standard Deviation		-	-
Accepted Value		-	8.23



BONDAR CLEGG



Geochemical Lab Report

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REPORT: V01-00828.3 (COMPLETE)

DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 26-JUL-01

PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ni PCT	S Tot PCT
CQ00692		0.183	1.19
Duplicate		0.185	1.19
CQ00715		0.200	2.55
Duplicate		0.203	2.55
CQ00724		0.140	1.58
Duplicate		0.138	1.58



BONDAR CLEGG



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WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical Report

REPORT: V01-00870.0 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC EXPLORATION INC.

SUBMITTED BY: G. BROWN/K. WINTER

PROJECT: XCAQUEN1.3712

DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010524	1 Au	Au - FA35/36	120	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP
010524	2 Pt	Pt - FA36	120	5 PPB	FIRE ASSAY	FIRE ASSAY-ICP
010524	3 Pd	Pd - FA36	120	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP
010524	4 Ag	Ag - IC30	120	0.5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	5 Cu	Cu - IC30	120	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	6 Pb	Pb - IC30	120	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	7 Zn	Zn - IC30	120	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	8 Mo	Mo - IC30	120	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	9 Ni	Ni - IC30	120	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	10 Co	Co - IC30	120	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	11 Cd	Cd - IC30	120	1.0 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	12 Bi	Bi - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	13 As	As - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	14 Sb	Sb - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	15 Fe Tot	Fe - IC30	120	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	16 Mn	Mn - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	17 Te	Te - IC30	120	25 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	18 Ba	Ba - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	19 Cr	Cr - IC30	120	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	20 V	V - IC30	120	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	21 Sn	Sn - IC30	120	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	22 W	W - IC30	120	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	23 La	La - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	24 Al	Al - IC30	120	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	25 Mg	Mg - IC30	120	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	26 Ca	Ca - IC30	120	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	27 Na	Na - IC30	120	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	28 K	K - IC30	120	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	29 Sr	Sr - IC30	120	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	30 Y	Y - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	31 Ga	Ga - IC30	120	10 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	32 Li	Li - IC30	120	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	33 Nb	Nb - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	34 Sc	Sc - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	35 Ta	Ta - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	36 Ti	Ti - IC30	120	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010524	37 Zr	Zr - IC30	120	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010524	38 S	S - IC30	120	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE	FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	116	?	-200	116	TOTAL SAMPLE PREP	110
P PREPARED PULP	4	4	AS RECEIVED	4	SAMPLE SPLITS	6
					PULP VERIFICATION	4

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

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MR. KELLY MONIER

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BONDAR CLEGG



Geochemical Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01

DATE PRINTED: 28-MAY-01

PAGE 1A(1/14)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00731		2	<5	1	<5	120	<2	65	1	268	60	1.0	<5	<5	<5	8.25	1095	<25	169	104	137	<20	<20	15	6.12	6.05	3.96	2.30	0.78	291	19	<10	13	8	8	<5	<5	1.55	66
CQ00732		2	<5	<1	<5	22	<2	57	4	206	46	1.1	<5	6	<5	6.92	932	<25	176	91	70	<20	<20	14	7.46	6.53	4.25	2.86	0.71	366	17	<10	10	<5	<5	<5	0.72	63	
CQ00733		2	<5	<1	<5	37	<2	78	2	304	62	<1.0	<5	<5	<5	9.74	1279	<25	136	113	65	<20	<20	13	6.62	>10.00	3.76	2.44	0.63	302	15	<10	12	<5	<5	<5	0.65	50	
CQ00734		<1	<5	<1	<5	19	<2	54	3	126	38	<1.0	<5	<5	<5	6.14	847	<25	214	96	84	<20	<20	14	8.78	3.89	5.56	2.74	0.57	379	17	<10	8	<5	5	<5	0.95	51	
CQ00735		1	<5	<1	<5	33	5	65	2	223	52	<1.0	<5	<5	<5	7.84	1066	<25	164	116	71	<20	<20	14	6.82	7.57	4.21	2.43	0.59	319	16	<10	9	<5	<5	<5	0.75	49	
CQ00736		<1	<5	<1	<5	23	<2	57	2	133	39	<1.0	<5	<5	<5	6.47	908	<25	206	74	77	<20	<20	15	7.83	4.29	4.90	2.55	0.61	349	18	<10	9	<5	<5	<5	0.86	55	
CQ00737		2	<5	<1	<5	22	<2	54	2	124	38	<1.0	<5	<5	<5	6.13	861	<25	212	86	79	<20	<20	15	7.74	3.63	5.06	2.51	0.60	344	18	<10	7	<5	<5	<5	0.84	53	
CQ00738		1	<5	<1	<5	21	<2	54	1	114	37	<1.0	<5	<5	<5	6.08	846	<25	230	65	74	<20	<20	14	8.45	3.39	5.45	2.37	0.54	315	17	<10	7	<5	<5	<5	0.93	49	
CQ00739		<1	<5	<1	<5	25	<2	56	4	145	40	<1.0	<5	<5	<5	6.65	923	<25	206	83	71	<20	<20	14	8.45	4.62	4.97	2.33	0.54	309	17	<10	7	<5	<5	<5	0.84	55	
CQ00740		<1	<5	<1	<5	29	2	61	6	168	43	<1.0	<5	<5	<5	7.31	1027	<25	197	82	62	<20	<20	13	8.26	5.93	4.93	2.17	0.52	272	15	<10	7	<5	<5	<5	0.89	47	
CQ00741		<1	<5	<1	<5	28	4	58	1	166	42	<1.0	<5	<5	<5	7.08	988	<25	192	69	62	<20	<20	12	8.21	5.54	4.84	2.12	0.51	267	15	<10	7	<5	<5	<5	0.83	46	
CQ00742		<1	<5	<1	<5	30	<2	64	<1	180	46	<1.0	<5	9	<5	7.56	1054	<25	204	87	62	<20	<20	12	8.27	5.45	5.14	2.03	0.46	266	15	<10	6	<5	<5	<5	0.81	43	
CQ00743		1	<5	<1	<5	31	2	63	<1	178	46	<1.0	<5	9	<5	7.58	1048	<25	207	64	66	<20	<20	13	8.46	5.43	5.12	2.12	0.48	278	16	<10	7	<5	<5	<5	0.85	47	
CQ00744		<1	<5	<1	<5	34	<2	56	4	132	40	<1.0	<5	<5	<5	6.76	946	<25	198	73	62	<20	<20	12	8.36	5.09	5.11	2.13	0.48	273	15	<10	7	<5	<5	<5	0.89	44	
CQ00745		1	<5	<1	<5	26	<2	70	3	29	29	<1.0	<5	<5	<5	5.76	913	<25	558	43	62	<20	<20	25	7.02	1.90	4.37	3.14	1.17	309	32	<10	9	9	<5	<5	<5	1.05	92
CQ00746		2	<5	<1	<5	45	4	71	<1	121	47	<1.0	<5	<5	<5	7.94	1115	<25	253	48	82	<20	<20	16	8.67	4.49	5.18	2.53	0.63	318	20	<10	8	5	5	<5	1.27	54	
CQ00747		<1	<5	<1	<5	42	<2	76	1	52	67	<1.0	<5	<5	<5	9.35	1247	<25	255	39	257	<20	<20	16	7.35	3.72	5.44	2.59	0.59	279	23	<10	10	22	21	<5	2.92	51	
CQ00748		<1	<5	<1	<5	36	<2	59	2	191	44	<1.0	<5	<5	<5	7.14	989	<25	173	67	61	<20	<20	12	7.15	5.47	4.32	2.18	0.52	281	14	<10	8	<5	<5	<5	0.70	43	
CQ00749		<1	<5	<1	<5	36	<2	54	2	92	37	<1.0	<5	<5	<5	6.17	830	<25	197	31	53	<20	<20	11	7.19	3.02	4.21	2.50	0.55	304	13	<10	7	<5	<5	<5	0.68	42	
CQ00750		38	59	139	<5	586	15	98	5	11895	262	4.3	<5	8	<5	>10.00	887	<25	26	282	29	<20	<20	10	1.91	>10.00	0.69	0.94	0.57	55	9	<10	19	<5	<5	<5	0.14	31	
CQ00751		<1	<5	<1	<5	26	<2	57	<1	232	43	1.4	<5	<5	<5	6.48	876	<25	182	81	63	<20	<20	13	8.23	6.03	4.71	2.40	0.58	334	16	<10	8	<5	<5	<5	0.76	50	
CQ00752		<1	<5	<1	<5	24	<2	54	1	172	39	<1.0	<5	<5	<5	6.36	875	<25	196	75	66	<20	<20	14	8.63	4.88	5.06	2.45	0.58	345	17	<10	8	<5	<5	<5	0.76	50	
CQ00753		<1	<5	<1	<5	27	2	57	4	172	39	<1.0	<5	<5	<5	6.52	893	<25	187	80	63	<20	<20	14	8.52	5.39	4.86	2.44	0.57	340	16	<10	9	<5	<5	<5	0.75	50	
CQ00754		<1	<5	<1	<5	29	3	52	3	166	39	<1.0	<5	6	<5	6.32	867	<25	176	66	61	<20	<20	13	7.96	4.82	4.65	2.39	0.55	324	15	<10	8	<5	<5	<5	0.75	44	
CQ00755		<1	<5	<1	<5	31	<2	55	2	167	40	<1.0	<5	6	<5	6.48	890	<25	177	69	60	<20	<20	13	8.22	5.12	4.79	2.39	0.53	326	15	<10	7	<5	<5	<5	0.70	43	
CQ00756		<1	<5	<1	<5	46	<2	52	<1	80	39	<1.0	<5	7	<5	6.05	867	<25	233	47	68	<20	<20	16	7.78	3.68	4.75	2.55	0.64	306	20	<10	8	<5	<5	<5	0.99	49	
CQ00757		<1	<5	<1	<5	28	<2	51	1	167	37	<1.0	<5	<5	<5	6.07	832	<25	173	68	57	<20	<20	12	7.73	4.81	4.46	2.35	0.53	312	15	<10	9	<5	<5	<5	0.68	43	
CQ00758		<1	<5	<1	<5	47	3	63	<1	97	41	<1.0	<5	<5	<5	7.16	1042	<25	165	50	62	<20	<20	12	6.97	4.96	4.22	2.35	0.51	283	15	<10	11	<5	<5	<5	0.64	38	
CQ00759		<1	<5	<1	<5	29	<2	64	<1	23	38	<1.0	<5	9	<5	6.26	912	<25	297	102	142	<20	<20	17	5.62	1.94	4.14	2.58	0.74	226	20	<10	6	11	9	<5	1.55	48	
CQ00760		<1	<5	<1	<5	40	<2	73	3	31	44	<1.0	<5	<5	<5	7.48	1116	<25	349	160	144	<20	<20	21	6.65	3.26	4.70	2.51	0.87	230	28	<10	6	14	20	<5	1.95	70	



BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01

DATE PRINTED: 28-MAY-01

PROJECT: XCAQUENI.3712
PAGE 1B(2/14)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00731		0.228
CQ00732		0.063
CQ00733		0.086
CQ00734		0.076
CQ00735		0.090
CQ00736		0.082
CQ00737		0.080
CQ00738		0.084
CQ00739		0.082
CQ00740		0.082
CQ00741		0.082
CQ00742		0.086
CQ00743		0.088
CQ00744		0.082
CQ00745		0.132
CQ00746		0.115
CQ00747		0.186
CQ00748		0.079
CQ00749		0.084
CQ00750		6.092
CQ00751		0.099
CQ00752		0.092
CQ00753		0.084
CQ00754		0.081
CQ00755		0.082
CQ00756		0.115
CQ00757		0.072
CQ00758		0.088
CQ00759		0.120
CQ00760		0.156



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 2A(3/14)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CQ00761	<1	<5	<1	<.5	51	<2	80	<1	35	45	<1.0	<5	<5	<5	7.87	1121	<25	412	148	153	<20	<20	24	7.18	3.03	4.55	2.66	0.93	250	30	<10	6	13	17	<5	1.65	82		
CQ00762	<1	<5	<1	<.5	50	<2	88	1	34	46	<1.0	<5	<5	<5	7.78	1226	<25	374	224	213	<20	<20	29	7.47	3.38	5.74	2.42	0.92	320	40	<10	6	16	32	<5	2.00	113		
CQ00763	<1	<5	<1	<.5	62	<2	97	1	131	66	<1.0	<5	<5	<5	9.97	1422	<25	170	121	173	<20	<20	15	8.03	5.67	5.07	2.02	0.50	362	20	<10	7	8	10	<5	2.15	61		
CQ00764	<1	<5	<1	<.5	24	<2	67	<1	162	34	<1.0	<5	<5	<5	5.24	766	<25	180	173	80	<20	<20	15	9.14	4.65	5.67	2.14	0.55	434	19	<10	8	<5	7	<5	0.75	72		
CQ00765	<1	<5	<1	<.5	24	<2	56	<1	172	33	<1.0	<5	<5	<5	5.18	782	<25	159	118	77	<20	<20	14	7.94	4.60	5.31	2.06	0.54	406	17	<10	6	<5	7	<5	0.69	62		
CQ00766	<1	<5	<1	<.5	25	<2	59	2	188	35	<1.0	<5	<5	<5	5.69	846	<25	157	99	70	<20	<20	14	8.08	5.06	5.22	2.11	0.56	403	17	<10	6	<5	6	<5	0.68	61		
CQ00767	<1	<5	<1	<.5	22	<2	58	<1	171	34	<1.0	<5	6	<5	5.18	774	<25	169	65	72	<20	<20	13	7.83	4.67	5.27	2.09	0.54	412	17	<10	6	<5	<5	<5	0.71	63		
CQ00768	<1	<5	<1	<.5	25	<2	60	<1	173	36	<1.0	<5	<5	<5	5.49	806	<25	175	73	75	<20	<20	15	9.00	4.77	5.55	2.11	0.54	431	18	<10	6	<5	5	<5	0.74	69		
CQ00769	<1	<5	<1	<.5	25	<2	65	<1	325	46	<1.0	<5	<5	<5	6.53	932	<25	132	97	68	<20	<20	13	7.42	8.40	4.59	1.88	0.51	362	16	<10	6	<5	7	<5	0.63	57		
CQ00770	<1	<5	<1	<.5	22	<2	55	<1	224	39	<1.0	<5	<5	5	5.35	758	<25	183	73	76	<20	<20	16	9.23	5.91	5.51	2.13	0.55	423	20	<10	6	<5	7	<5	0.76	74		
CQ00771	<1	<5	<1	<.5	26	4	56	<1	215	40	<1.0	<5	<5	<5	5.55	791	<25	172	76	82	<20	<20	16	9.11	5.62	5.45	2.11	0.51	422	20	<10	6	<5	7	<5	0.79	70		
CQ00772	<1	<5	<1	<.5	26	<2	56	<1	208	38	<1.0	<5	<5	<5	5.40	772	<25	162	69	77	<20	<20	15	8.85	5.60	5.40	2.04	0.51	415	19	<10	6	<5	6	<5	0.77	64		
CQ00773	<1	<5	<1	<.5	25	<2	55	<1	215	37	<1.0	<5	<5	<5	5.42	795	<25	156	92	78	<20	<20	14	8.24	5.56	5.41	2.00	0.48	411	18	<10	5	<5	6	<5	0.72	67		
CQ00774	<1	<5	<1	<.5	25	2	55	<1	194	36	<1.0	<5	<5	<5	5.29	772	<25	169	91	82	<20	<20	15	8.97	5.20	5.66	2.10	0.52	427	19	<10	6	<5	7	<5	0.75	66		
CQ00775	46	74	171	<.5	780	7	132	<1	15488	288	1.6	<5	<5	<5	>10.00	1025	<25	28	292	37	<20	<20	11	2.10	>10.00	0.83	0.65	0.51	60	10	<10	17	<5	<5	<5	0.11	38		
CQ00776	<1	<5	<1	<.5	28	<2	56	<1	188	37	<1.0	<5	<5	<5	5.43	794	<25	174	85	82	<20	<20	15	9.16	5.09	5.81	2.10	0.50	437	19	<10	6	<5	7	<5	0.79	69		
CQ00777	<1	<5	<1	<.5	24	<2	49	<1	162	33	<1.0	<5	<5	<5	4.54	671	<25	150	69	77	<20	<20	15	7.25	4.02	4.64	2.13	0.60	390	19	<10	6	<5	<5	<5	0.78	77		
CQ00778	<1	<5	<1	<.5	25	<2	55	1	174	33	<1.0	<5	<5	<5	5.00	747	<25	159	124	75	<20	<20	13	8.23	4.89	5.42	2.13	0.52	422	17	<10	6	<5	6	<5	0.67	64		
CQ00779	<1	<5	<1	<.5	27	<2	58	1	203	38	<1.0	<5	<5	<5	5.64	826	<25	165	103	83	<20	<20	15	9.46	5.31	5.88	2.08	0.50	427	19	<10	6	<5	9	<5	0.73	67		
CQ00780	<1	<5	<1	<.5	26	3	60	<1	218	40	<1.0	<5	<5	<5	5.78	836	<25	165	70	82	<20	<20	15	8.90	5.57	5.43	2.01	0.51	408	20	<10	6	<5	7	<5	0.77	68		
CQ00781	<1	<5	<1	<.5	26	<2	60	1	220	40	<1.0	<5	8	<5	5.85	845	<25	164	67	83	<20	<20	15	8.84	5.69	5.46	2.00	0.50	410	19	<10	6	<5	8	<5	0.79	65		
CQ00782	<1	<5	<1	<.5	26	<2	60	<1	220	40	<1.0	<5	<5	<5	5.82	846	<25	165	71	81	<20	<20	15	8.73	5.61	5.41	2.00	0.50	409	19	<10	6	<5	7	<5	0.77	67		
CQ00783	<1	<5	<1	<.5	24	4	57	1	203	38	<1.0	<5	<5	<5	5.49	805	<25	173	77	86	<20	<20	16	9.11	5.26	5.64	2.04	0.51	428	20	<10	6	<5	8	<5	0.79	71		
CQ00784	<1	<5	<1	<.5	21	<2	61	<1	207	40	<1.0	<5	<5	6	5.62	822	<25	175	60	93	<20	<20	16	8.90	5.36	5.55	2.03	0.53	418	21	<10	6	<5	8	<5	0.90	73		
CQ00785	<1	<5	<1	<.5	18	<2	59	<1	213	37	<1.0	<5	<5	<5	5.33	775	<25	182	89	87	<20	<20	16	8.46	4.98	5.44	2.02	0.52	413	21	<10	6	<5	6	<5	0.82	80		
CQ00786	<1	<5	<1	<.5	19	<2	56	<1	258	38	<1.0	<5	<5	<5	5.16	751	<25	160	56	79	<20	<20	17	7.20	6.21	4.33	2.11	0.66	389	21	<10	7	<5	<5	<5	0.85	87		
CQ00787	<1	<5	<1	<.5	23	<2	58	<1	248	41	<1.0	<5	<5	<5	5.61	803	<25	166	78	83	<20	<20	16	8.22	6.34	5.08	1.96	0.54	396	20	<10	6	<5	6	<5	0.85	74		
CQ00788	<1	<5	<1	<.5	21	<2	57	<1	263	41	<1.0	<5	<5	<5	5.61	794	<25	165	52	78	<20	<20	16	8.27	7.06	4.79	2.01	0.59	400	21	<10	6	<5	6	<5	0.80	79		
CQ00789	<1	<5	<1	<.5	23	<2	64	<1	241	50	<1.0	<5	12	<5	6.47	912	<25	189	71	133	<20	<20	18	8.53	5.96	5.47	1.90	0.55	387	24	<10	9	5	11	<5	1.39	82		
CQ00790	<1	<5	<1	<.5	21	<2	75	<1	142	58	<1.0	<5	<5	<5	7.47	1101	<25	242	210	218	<20	<20	22	7.42	5.26	5.80	2.08	0.61	345	33	<10	8	14	25	<5	2.36	68		

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)PROJECT: XCAQUENI.3712
DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 2B(4/14)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00761		0.201
CQ00762		0.147
CQ00763		0.117
CQ00764		0.071
CQ00765		0.074
CQ00766		0.079
CQ00767		0.066
CQ00768		0.071
CQ00769		0.061
CQ00770		0.062
CQ00771		0.071
CQ00772		0.069
CQ00773		0.065
CQ00774		0.068
CQ00775		5.441
CQ00776		0.076
CQ00777		0.063
CQ00778		0.065
CQ00779		0.073
CQ00780		0.075
CQ00781		0.073
CQ00782		0.077
CQ00783		0.073
CQ00784		0.075
CQ00785		0.068
CQ00786		0.061
CQ00787		0.062
CQ00788		0.059
CQ00789		0.082
CQ00790		0.085



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Geochemical Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 3A(5/14)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective concentrations in PPM or PCT.



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Geochemical Test Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 38(6/14)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00791		0.243
CQ00792		0.066
CQ00793		0.065
CQ00794		0.064
CQ00795		0.069
CQ00796		0.070
CQ00797		0.070
CQ00798		0.070
CQ00799		0.069
CQ00800		0.065
CQ00801		0.065
CQ00802		0.065
CQ00803		0.061
CQ00804		0.061
CQ00805		0.065
CQ00806		0.059
CQ00807		0.063
CQ00808		0.064
CQ00809		0.062
CQ00810		0.057
CQ00811		0.061
CQ00812		0.108
CQ00813		0.072
CQ00814		0.072
CQ00815		0.079
CQ00816		0.079
CQ00817		0.065
CQ00818		0.072
CQ00819		0.069
CQ00820		0.060



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Geochemical Report

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REPORT: V01-00870.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 4A(7/14)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective concentrations in PPM or PCT.



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Geochemical Test Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

PROJECT: XCAQUENT.3712
DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 4B(8/14)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00821		0.067
CQ00822		0.045
CQ00823		0.053
CQ00824		0.102
CQ00825		5.306
CQ00826		0.246
CQ00827		0.774
CQ00828		0.176
CQ00829		0.093
CQ00830		0.139
CQ00831		0.122
CQ00832		0.085
CQ00833		0.644
CQ00834		0.198
CQ00835		0.136
CQ00836		0.257
CQ00837		0.481
CQ00838		0.122
CQ00839		0.142
CQ00840		0.171
CQ00841		0.145
CQ00842		0.166
CQ00843		0.243
CQ00844		0.400
CQ00845		0.773
CQ00846		0.391
CQ00847		0.527
CQ00848		0.443
CQ00849		1.162
CQ00850		5.302



CLIENT: WMC EXPLORATION INC.
REPORT: VD1-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 5A(9/14)

PROJECT: XCAQUEN1.3712

Table with columns for STANDARD NAME, ELEMENT UNITS, and various elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with corresponding values.

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 5B(10/14)

STANDARD NAME	ELEMENT UNITS	S PCT
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ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	<.002	
ANALYTICAL BLANK	-	

ANALYTICAL BLANK	-	
Number of Analyses	4	
Mean Value	0.001	
Standard Deviation	-	
Accepted Value	<.001	

ST 248	-	
ST 248	-	
ST 248	-	
Number of Analyses	-	
Mean Value	-	
Standard Deviation	-	
Accepted Value	-	

CANMET STSD-4	0.108	
CANMET STSD-4	0.102	
Number of Analyses	2	
Mean Value	0.105	
Standard Deviation	0.004	
Accepted Value	0.090	



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUEN1.3712

REPORT: V01-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01

DATE PRINTED: 28-MAY-01

PAGE 6A(11/14)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM				
ST 260		883	2303	1582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 260		956	2539	1702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 260		937	2501	1713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		925	2448	1665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		38	127	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GS91-1		-	-	-	1.0	110	4	90	2	45	23	<1.0	<5	13	<5	4.77	836	<25	576	108	191	<20	<20	10	5.36	2.06	1.86	1.55	1.15	233	15	<10	28	16	10	<5	0.55	50					
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	1.0	110	4	90	2	45	23	0.5	3	13	3	4.77	836	13	576	108	191	10	10	10	5.36	2.06	1.86	1.55	1.15	233	15	5	28	16	10	3	0.55	50					
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1	0.51	60					
CANMET LKSD-2		-	-	-	<.5	37	43	212	3	27	17	<1.0	<5	11	<5	3.93	1935	<25	666	43	73	<20	<20	70	5.49	1.08	1.38	1.29	1.79	253	43	<10	21	9	6	<5	0.33	150					
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mean Value		-	-	-	0.3	37	43	212	3	27	17	0.5	3	11	3	3.93	1935	13	666	43	73	10	10	70	5.49	1.08	1.38	1.29	1.79	253	43	5	21	9	6	3	0.33	150					
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Accepted Value		-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	0.40	128					



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Geochemical Test Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01

DATE PRINTED: 28-MAY-01

PROJECT: XCAQUENI.3712
PAGE 6B(12/14)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 260		-
ST 260		-
ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

GS91-1	0.029
Number of Analyses	1
Mean Value	0.029
Standard Deviation	-
Accepted Value	0.030

CANMET LKSD-2	0.148
Number of Analyses	1
Mean Value	0.148
Standard Deviation	-
Accepted Value	0.140



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01 DATE PRINTED: 28-MAY-01 PAGE 7A(13/14)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various elements (AU, PT, PD, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr) with their respective units and values.



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Geochemical Lab Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00870.0 (COMPLETE)

DATE RECEIVED: 21-MAY-01

DATE PRINTED: 28-MAY-01

PROJECT: XCAQUENI.3712
PAGE 7B(14/14)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
CQ00731		0.228
Duplicate		0.221
CQ00749		0.084
Duplicate		0.080
CQ00754		0.081
Duplicate		
CQ00768		0.071
Duplicate		0.073
CQ00777		0.063
Duplicate		
CQ00786		0.061
Duplicate		0.070
CQ00800		0.065
Duplicate		
CQ00805		0.065
Duplicate		0.065
CQ00822		0.045
Duplicate		0.055
CQ00823		0.053
Duplicate		
CQ00842		0.166
Duplicate		0.166
CQ00846		0.391
Duplicate		



BONDAR CLEGG



PK

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ENLGEWOOD, CO 80112

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REPORT: V01-00871.0 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC EXPLORATION INC.
PROJECT: XCAQUENI.3712

SUBMITTED BY: G. BROWN/K. WINTER
DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Lists various elements like Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti.

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Includes sample types like D DRILL CORE and P PREPARED PULP.

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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CLIENT: WMC EXPLORATION INC.
REPORT: V01-00871.0 (COMPLETE)

DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 1A(1/14)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
CQ00851		15	<5	7	<.5	202	10	57	<1	345	98	<1.0	<5	<5	<5	7.32	767	<25	117	117	46	<20	<20	<5	6.97	3.67	3.92	2.05	0.41	295	6	<10	5	<5	<5	<5	0.37	
CQ00852		3	5	7	<.5	229	7	60	<1	373	110	<1.0	<5	<5	<5	7.80	743	<25	118	130	48	<20	<20	<5	7.28	4.05	4.05	2.16	0.46	313	6	<10	7	<5	<5	<5	0.37	
CQ00853		3	<5	6	<.5	240	6	61	<1	355	111	<1.0	<5	<5	<5	8.19	838	<25	117	136	55	<20	<20	<5	7.66	4.46	4.34	2.15	0.40	318	6	<10	5	<5	<5	<5	0.38	
CQ00854		3	<5	8	<.5	289	8	64	<1	438	121	<1.0	<5	<5	<5	8.89	843	<25	117	131	58	<20	<20	<5	7.56	4.68	4.29	2.20	0.40	316	7	<10	5	<5	<5	<5	0.42	
CQ00855		3	6	9	<.5	333	9	70	<1	500	138	<1.0	<5	<5	<5	9.67	883	<25	100	63	50	<20	<20	<5	7.03	4.32	3.91	2.04	0.38	292	7	<10	6	<5	<5	<5	0.42	
CQ00856		4	6	11	<.5	416	9	68	<1	631	157	<1.0	<5	<5	<5	>10.00	867	<25	117	74	55	<20	<20	<5	7.59	3.98	4.12	2.13	0.40	302	7	<10	5	<5	<5	<5	0.42	
CQ00857		4	11	15	<.5	607	13	72	<1	733	168	<1.0	<5	<5	<5	>10.00	951	<25	81	69	55	<20	<20	<5	7.41	4.17	4.08	2.10	0.38	290	7	<10	6	<5	<5	<5	0.44	
CQ00858		3	<5	9	<.5	365	<2	65	1	553	129	<1.0	<5	<5	<5	>10.00	941	<25	124	58	66	<20	<20	6	7.85	4.36	4.32	2.22	0.41	306	9	<10	6	<5	<5	<5	0.57	
CQ00859		3	9	9	<.5	381	8	65	3	567	129	<1.0	<5	<5	<5	>10.00	947	<25	128	72	81	<20	<20	7	7.01	4.11	3.87	2.18	0.46	280	10	<10	6	<5	<5	<5	0.62	
CQ00860		3	<5	9	<.5	397	15	62	4	559	121	<1.0	<5	<5	<5	>10.00	867	<25	87	86	77	<20	<20	<5	7.18	4.17	4.04	2.12	0.41	290	7	<10	4	<5	<5	<5	0.44	
CQ00861		3	<5	9	<.5	364	8	57	3	539	117	<1.0	<5	<5	<5	9.07	744	<25	93	109	76	<20	<20	<5	4.91	2.82	2.78	1.83	0.43	221	<5	<10	3	<5	<5	<5	0.43	
CQ00862		3	<5	9	<.5	399	12	63	2	584	126	<1.0	<5	<5	<5	>10.00	873	<25	120	90	79	<20	<20	<5	6.88	3.70	4.00	2.06	0.39	283	6	<10	4	<5	<5	<5	0.43	
CQ00863		3	<5	6	<.5	260	13	66	5	388	88	<1.0	<5	<5	<5	9.01	928	<25	126	98	80	<20	<20	<5	6.45	4.05	3.77	2.08	0.43	274	7	<10	4	<5	<5	<5	0.47	
CQ00864		3	<5	8	<.5	357	11	70	4	522	114	<1.0	<5	<5	<5	>10.00	931	<25	116	121	96	<20	<20	5	6.94	4.51	4.05	2.20	0.44	285	9	<10	5	<5	<5	<5	0.53	
CQ00865		3	<5	10	<.5	372	10	79	1	607	134	<1.0	<5	<5	<5	>10.00	995	<25	118	78	58	<20	<20	5	7.63	5.02	4.18	2.07	0.40	295	8	<10	5	<5	<5	<5	0.48	
CQ00866		3	5	10	<.5	243	13	66	2	439	83	<1.0	<5	<5	<5	7.67	907	<25	182	89	71	<20	<20	7	8.57	4.03	4.81	2.32	0.47	329	10	<10	8	<5	<5	<5	0.65	
CQ00867		3	6	7	<.5	393	9	100	5	551	111	<1.0	<5	<5	<5	8.63	829	<25	130	329	187	<20	<20	5	8.54	4.58	4.20	1.75	0.41	300	8	<10	12	10	<5	<5	0.48	
CQ00868		2	<5	7	<.5	395	11	241	4	530	129	<1.0	<5	<5	<5	8.70	595	<25	89	568	324	<20	<20	<5	8.84	4.47	2.54	0.97	0.21	152	6	22	7	22	<5	<5	0.45	
CQ00869		3	5	6	<.5	328	8	99	2	455	105	<1.0	<5	<5	<5	7.47	647	<25	145	241	132	<20	<20	<5	8.21	3.04	4.22	2.23	0.46	318	7	<10	8	5	<5	<5	0.51	
CQ00870		2	<5	5	<.5	497	<2	121	11	773	167	<1.0	<5	<5	<5	>10.00	1192	<25	331	254	196	<20	27	19	>10.00	6.44	>10.00	6.20	1.09	844	18	<10	19	9	16	<5	1.07	
CQ00871		2	<5	6	<.5	227	5	65	1	310	68	<1.0	<5	<5	<5	6.42	553	<25	109	90	70	<20	<20	<5	7.65	3.51	4.22	2.13	0.41	335	6	<10	6	<5	<5	<5	0.44	
CQ00872		2	<5	5	<.5	235	8	55	3	361	86	<1.0	<5	<5	<5	7.32	640	<25	126	102	94	<20	<20	6	8.23	3.89	4.37	2.12	0.45	345	8	<10	6	<5	<5	<5	0.50	
CQ00873		3	<5	9	<.5	305	6	63	4	615	109	<1.0	<5	<5	<5	9.78	862	<25	111	58	75	<20	<20	7	7.72	5.17	4.07	2.11	0.43	311	10	<10	7	<5	<5	<5	0.56	
CQ00874		4	6	10	<.5	696	8	82	3	743	118	<1.0	<5	<5	<5	8.69	664	<25	108	91	70	<20	<20	<5	7.58	3.75	4.52	1.97	0.37	323	<5	<10	12	<5	<5	<5	0.37	
CQ00875		45	69	146	<.5	635	6	115	<1	14005	322	<1.0	<5	<5	<5	>10.00	1024	<25	29	216	32	<20	<20	5	2.12	>10.00	0.78	0.75	0.46	56	<5	<10	17	<5	<5	<5	0.11	
CQ00876		3	<5	5	<.5	282	10	79	3	385	106	<1.0	<5	<5	<5	7.42	527	<25	101	317	160	<20	<20	<5	9.17	3.99	4.88	1.89	0.34	339	5	12	8	6	<5	<5	0.35	
CQ00877		3	6	8	<.5	353	11	78	3	468	112	<1.0	<5	<5	<5	7.94	504	<25	114	182	125	<20	<20	<5	8.36	3.72	4.60	1.91	0.38	355	<5	10	15	<5	<5	<5	0.36	
CQ00878		2	5	7	<.5	321	9	93	4	381	120	<1.0	<5	<5	<5	8.42	516	<25	100	235	151	<20	<20	<5	8.77	3.80	4.46	1.79	0.38	343	6	12	11	5	<5	<5	0.41	
CQ00879		4	6	10	<.5	346	7	56	3	724	126	<1.0	<5	<5	<5	8.71	583	<25	76	102	78	<20	<20	<5	6.87	3.85	3.83	1.95	0.45	284	6	<10	8	<5	<5	<5	0.43	
CQ00880		4	8	11	<.5	502	7	62	3	726	149	<1.0	<5	<5	<5	>10.00	683	<25	65	73	69	<20	<20	5	5.69	3.49	3.48	1.87	0.40	240	9	<10	4	<5	<5	<5	0.66	



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PROJECT: XCAQUEN1.3712
DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 1B(2/14)

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
CQ00851	42	1.485	
CQ00852	48	1.731	
CQ00853	40	1.634	
CQ00854	44	2.010	
CQ00855	47	2.399	
CQ00856	47	2.884	
CQ00857	46	3.266	
CQ00858	58	2.510	
CQ00859	67	2.536	
CQ00860	47	2.542	
CQ00861	43	2.371	
CQ00862	46	2.600	
CQ00863	48	1.473	
CQ00864	53	2.242	
CQ00865	45	2.576	
CQ00866	59	1.225	
CQ00867	46	1.628	
CQ00868	38	1.975	
CQ00869	45	1.699	
CQ00870	105	3.876	
CQ00871	43	1.276	
CQ00872	48	1.514	
CQ00873	59	2.068	
CQ00874	31	2.188	
CQ00875	36	5.338	
CQ00876	30	1.775	
CQ00877	31	2.002	
CQ00878	35	2.341	
CQ00879	43	2.387	
CQ00880	57	3.157	

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 DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 2A(3/14)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
CQ00881		2	<5	9	<.5	328	8	65	2	546	118	<1.0	<5	<5	<5	9.27	727	<25	95	70	62	<20	<20	6	6.11	3.87	3.60	1.99	0.42	250	9	<10	4	<5	<5	<5	0.71	
CQ00882		4	9	12	<.5	538	8	68	5	778	161	<1.0	<5	<5	<5	>10.00	755	<25	75	75	71	<20	<20	6	7.13	4.04	4.11	2.06	0.41	270	10	<10	5	<5	<5	<5	0.64	
CQ00883		4	11	13	<.5	504	9	73	8	970	180	<1.0	<5	<5	<5	>10.00	777	<25	46	70	70	<20	<20	6	6.75	4.05	4.05	2.04	0.37	275	10	<10	5	<5	<5	<5	0.62	
CQ00884		3	<5	11	<.5	352	8	62	7	575	115	<1.0	<5	<5	<5	>10.00	809	<25	99	86	94	<20	<20	7	6.46	4.74	3.69	2.14	0.40	256	11	<10	7	<5	<5	<5	0.70	
CQ00885		4	<5	9	<.5	303	19	69	4	596	107	<1.0	<5	<5	<5	9.63	756	<25	111	52	49	<20	<20	6	7.86	4.73	4.15	2.37	0.42	316	10	<10	5	<5	<5	<5	0.59	
CQ00886		4	<5	12	<.5	454	11	74	7	764	154	<1.0	<5	9	<5	>10.00	813	<25	98	100	108	<20	<20	5	7.75	4.00	4.45	2.20	0.37	288	9	<10	5	<5	<5	<5	0.77	
CQ00887		4	10	14	<.5	595	19	76	9	960	188	<1.0	<5	<5	<5	>10.00	785	<25	57	61	58	<20	<20	<5	5.96	4.87	3.93	1.88	0.40	260	6	<10	5	<5	<5	<5	0.41	
CQ00888		4	11	14	<.5	556	26	71	7	832	164	<1.0	<5	<5	<5	>10.00	735	<25	29	75	69	<20	<20	<5	6.31	4.57	4.17	1.95	0.41	276	7	<10	6	<5	<5	<5	0.53	
CQ00889		5	10	15	<.5	540	27	71	9	972	199	<1.0	<5	<5	5	>10.00	665	<25	28	88	84	<20	<20	<5	6.46	4.13	4.37	2.00	0.42	284	7	<10	5	<5	<5	<5	0.54	
CQ00890		5	5	14	<.5	582	21	66	10	895	181	<1.0	<5	<5	<5	>10.00	639	<25	53	73	53	<20	<20	<5	6.06	3.91	3.96	1.99	0.43	282	5	<10	6	<5	<5	<5	0.38	
CQ00891		4	9	15	<.5	570	24	75	11	903	190	<1.0	<5	<5	<5	>10.00	705	<25	55	69	52	<20	<20	<5	6.60	4.16	4.22	1.96	0.41	288	6	<10	5	<5	<5	<5	0.39	
CQ00892		7	6	18	<.5	749	26	90	14	1226	249	<1.0	<5	<5	<5	>10.00	761	<25	36	94	81	<20	<20	<5	6.59	3.88	4.35	1.88	0.40	275	6	<10	5	<5	<5	<5	0.52	
CQ00893		7	15	17	<.5	691	29	84	15	1145	252	<1.0	<5	<5	<5	>10.00	748	<25	31	81	58	<20	<20	<5	6.29	4.01	4.17	1.80	0.38	273	6	<10	5	<5	<5	<5	0.48	
CQ00894		5	8	12	<.5	630	23	80	13	1020	235	<1.0	<5	<5	<5	>10.00	693	<25	46	70	51	<20	<20	<5	6.97	4.34	4.44	1.84	0.36	305	5	<10	4	<5	<5	<5	0.37	
CQ00895		3	6	13	<.5	704	19	70	19	1285	297	<1.0	<5	<5	<5	>10.00	554	<25	52	59	35	<20	<20	<5	6.52	3.16	4.30	1.76	0.32	290	<5	14	3	<5	<5	<5	0.23	
CQ00896		3	7	11	<.5	473	19	62	12	856	204	<1.0	<5	<5	<5	>10.00	536	<25	55	51	29	<20	<20	<5	6.87	3.57	4.35	1.96	0.38	329	<5	11	4	<5	<5	<5	0.26	
CQ00897		3	<5	10	<.5	465	16	61	9	695	177	<1.0	<5	<5	<5	>10.00	601	<25	52	59	39	<20	<20	<5	6.07	3.93	4.11	1.90	0.38	308	<5	<10	4	<5	<5	<5	0.32	
CQ00898		3	<5	9	<.5	407	20	69	11	686	184	<1.0	<5	<5	<5	>10.00	718	<25	64	63	45	<20	<20	<5	6.48	3.81	4.44	1.90	0.36	307	5	<10	4	<5	<5	<5	0.36	
CQ00899		5	8	13	<.5	622	19	79	10	914	215	<1.0	<5	<5	<5	>10.00	775	<25	50	73	48	<20	<20	<5	6.39	4.78	4.12	1.78	0.36	286	<5	<10	5	<5	<5	<5	0.34	
CQ00900		5	12	17	<.5	737	22	82	12	1194	265	<1.0	<5	<5	<5	>10.00	779	<25	43	72	73	<20	<20	<5	6.52	3.62	4.57	1.87	0.38	289	7	<10	4	<5	<5	<5	0.61	
CQ00901		4	12	16	<.5	720	18	83	11	1078	243	<1.0	<5	<5	<5	>10.00	805	<25	41	76	64	<20	<20	<5	5.92	4.11	4.21	1.80	0.36	278	7	<10	4	<5	<5	<5	0.53	
CQ00902		5	11	17	<.5	709	22	80	11	1149	254	<1.0	<5	<5	<5	>10.00	758	<25	40	73	73	<20	<20	<5	6.56	3.76	4.52	1.88	0.37	288	7	<10	4	<5	<5	<5	0.61	
CQ00903		4	11	15	<.5	533	16	75	7	839	194	<1.0	<5	<5	<5	>10.00	798	<25	60	55	44	<20	<20	<5	5.80	4.83	3.94	1.87	0.38	280	5	<10	4	<5	<5	<5	0.40	
CQ00904		4	11	19	<.5	853	21	78	6	829	188	<1.0	<5	<5	<5	>10.00	729	<25	71	73	54	<20	<20	<5	6.59	4.35	4.35	1.93	0.40	308	6	<10	5	<5	<5	<5	0.41	
CQ00905		5	7	14	<.5	802	15	63	11	911	212	<1.0	<5	<5	<5	>10.00	616	<25	76	66	50	<20	<20	<5	6.80	3.31	4.52	2.04	0.41	329	6	<10	4	<5	<5	<5	0.42	
CQ00906		5	6	16	<.5	447	18	76	6	1028	214	<1.0	<5	<5	<5	>10.00	629	<25	54	68	56	<20	<20	<5	6.02	3.13	3.73	1.91	0.44	296	6	<10	5	<5	<5	<5	0.39	
CQ00907		5	10	16	<.5	467	16	66	5	699	152	<1.0	<5	<5	<5	>10.00	638	<25	89	66	61	<20	<20	5	6.63	3.67	3.85	2.04	0.49	301	7	<10	4	<5	<5	<5	0.51	
CQ00908		5	13	24	<.5	663	24	83	6	1057	210	<1.0	<5	<5	<5	>10.00	599	<25	79	89	75	<20	<20	<5	7.37	3.02	4.24	1.87	0.43	337	<5	12	4	<5	<5	<5	0.44	
CQ00909		5	12	20	<.5	611	17	86	5	915	183	<1.0	<5	<5	<5	>10.00	582	<25	75	119	76	<20	<20	<5	7.30	3.28	4.33	1.88	0.45	321	5	12	4	<5	<5	<5	0.39	
CQ00910		4	10	19	<.5	517	23	80	5	780	151	<1.0	<5	<5	<5	>10.00	583	<25	98	80	57	<20	<20	5	7.65	3.34	4.52	2.17	0.48	351	6	12	3	<5	<5	<5	0.41	

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PROJECT: XCAQUENI.3712
PAGE 28(4/14)

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
CQ00881	61	2.172	
CQ00882	57	3.359	
CQ00883	54	4.194	
CQ00884	63	2.322	
CQ00885	65	2.028	
CQ00886	48	3.510	
CQ00887	37	4.055	
CQ00888	41	3.732	
CQ00889	44	4.558	
CQ00890	35	4.205	
CQ00891	40	4.087	
CQ00892	38	5.594	
CQ00893	41	5.579	
CQ00894	32	5.198	
CQ00895	23	6.976	
CQ00896	31	4.592	
CQ00897	31	3.858	
CQ00898	33	3.933	
CQ00899	31	4.481	
CQ00900	42	5.628	
CQ00901	40	5.057	
CQ00902	41	5.392	
CQ00903	35	3.732	
CQ00904	38	3.630	
CQ00905	37	4.267	
CQ00906	43	4.279	
CQ00907	47	2.882	
CQ00908	41	4.203	
CQ00909	38	3.454	
CQ00910	49	2.795	



BONDAR CLEGG



Geochemical Test Report

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00871.0 (COMPLETE)

DATE RECEIVED: 22-MAY-01

DATE PRINTED: 31-MAY-01

PAGE 3A(5/14)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti) with their respective concentrations and units.



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PAGE 3B(6/14)

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
CQ00911	51	2.431	
CQ00912	57	1.439	
CQ00913	48	2.820	
CQ00914	40	2.807	
CQ00915	37	2.713	
CQ00916	31	5.773	
CQ00917	27	7.726	
CQ00918	28	0.405	
CQ00919	31	1.468	
CQ00920	59	1.429	
CQ00921	53	1.833	
CQ00922	65	1.394	
CQ00923	75	0.259	
CQ00924	97	0.138	
CQ00925	39	4.680	
CQ00926	195	0.438	
CQ00927	217	0.652	
CQ00928	106	1.533	
CQ00929	101	1.983	
CQ00930	114	0.667	
CQ00931	144	1.143	
CQ00932	162	1.385	
CQ00933	169	1.325	
CQ00934	97	2.416	
CQ00935	91	1.373	
CQ00936	72	1.880	
CQ00937	79	1.161	
CQ00938	123	1.435	
CQ00939	162	1.077	
CQ00940	119	1.149	



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DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 4A(7/14)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
CQ00941		2	<5	4	<.5	911	16	123	5	166	36	<1.0	<5	<5	<5	6.81	675	<25	101	185	184	<20	<20	22	5.88	1.70	0.32	1.75	1.48	151	7	20	71	18	6	<5	0.64	
CQ00942		3	<5	8	<.5	1931	22	364	23	628	70	<1.0	<5	<5	<5	>10.00	1432	<25	593	497	399	<20	<20	41	>10.00	3.36	0.75	4.82	2.78	318	14	61	190	58	24	41	1.35	
CQ00943		2	<5	6	<.5	988	39	67	20	597	67	<1.0	<5	<5	<5	>10.00	1060	<25	366	505	372	<20	<20	18	>10.00	2.58	0.72	9.81	2.41	221	12	37	102	36	12	10	0.79	
CQ00944		1	<5	7	<.5	570	45	139	22	691	76	<1.0	17	<5	<5	>10.00	756	<25	1058	523	360	<20	21	59	>10.00	2.24	1.24	6.04	6.48	443	16	33	81	49	16	24	0.81	
CQ00945		1	<5	2	<.5	21	19	79	3	36	22	<1.0	<5	<5	<5	5.47	1601	<25	567	118	116	<20	<20	29	6.26	1.47	1.03	2.42	1.72	215	16	11	36	10	16	<5	0.42	
CQ00946		2	<5	<1	<.5	22	<2	42	2	24	30	<1.0	<5	<5	<5	4.95	677	<25	184	47	65	<20	<20	9	6.95	3.01	4.51	2.98	0.72	385	11	<10	7	<5	5	<5	0.67	
CQ00947		2	<5	<1	<.5	42	<2	86	2	38	68	<1.0	<5	<5	<5	>10.00	1606	<25	249	81	227	<20	<20	28	4.99	4.87	4.12	2.84	0.69	227	39	<10	9	20	23	<5	2.62	
CQ00948		2	<5	4	<.5	168	<2	77	2	151	60	<1.0	<5	<5	<5	6.02	627	<25	155	270	217	<20	<20	5	7.42	4.37	4.40	2.02	0.79	318	6	15	16	11	<5	<5	0.43	
CQ00949		1	<5	2	<.5	137	3	59	<1	116	54	<1.0	<5	<5	<5	7.06	905	<25	208	112	118	<20	<20	9	6.96	4.94	4.50	2.45	0.79	338	12	<10	10	<5	8	<5	0.85	
CQ00950		39	67	140	<.5	618	4	107	<1	12911	310	1.6	<5	<5	<5	>10.00	970	<25	21	216	37	<20	<20	5	1.84	>10.00	0.84	0.79	0.55	56	<5	<10	17	<5	<5	<5	0.12	
CQ00951		2	<5	<1	<.5	48	<2	48	<1	81	41	<1.0	<5	<5	<5	6.12	867	<25	170	145	113	<20	<20	8	5.90	4.02	4.67	2.55	0.70	314	12	<10	8	<5	12	<5	0.79	
CQ00952		2	<5	<1	<.5	70	<2	109	8	147	73	1.2	7	<5	<5	>10.00	1761	<25	506	163	239	<20	<20	26	>10.00	8.30	>10.00	7.87	1.43	816	33	<10	32	16	29	24	1.85	
CQ00953		2	<5	4	<.5	244	<2	87	1	201	82	<1.0	<5	<5	<5	8.50	870	<25	160	167	204	<20	<20	8	6.08	4.44	3.86	1.82	0.83	270	10	<10	18	8	<5	<5	1.23	
CQ00954		2	<5	6	<.5	106	<2	181	7	225	155	1.1	<5	<5	<5	>10.00	1267	27	364	933	350	<20	<20	15	>10.00	9.18	>10.00	6.57	1.39	817	10	19	28	26	12	<5	0.69	
CQ00955		1	<5	<1	<.5	42	<2	50	2	91	39	<1.0	<5	<5	<5	5.66	770	<25	159	67	97	<20	<20	9	7.02	4.00	4.91	2.61	0.67	373	12	<10	7	<5	7	<5	1.06	
CQ00956		3	<5	2	<.5	148	3	50	2	214	49	<1.0	<5	<5	<5	6.03	771	<25	118	72	53	<20	<20	<5	6.56	5.45	4.16	2.23	0.66	349	5	<10	12	<5	<5	<5	0.40	
CQ00957		2	<5	1	<.5	69	2	65	<1	84	48	<1.0	<5	<5	<5	7.37	1018	<25	181	98	98	<20	<20	9	6.34	5.34	4.17	2.71	0.71	344	13	<10	10	<5	10	<5	0.83	
CQ00958		<1	<5	<1	<.5	43	<2	52	1	87	42	<1.0	<5	<5	<5	6.15	835	<25	166	111	85	<20	<20	9	7.01	4.52	4.58	2.50	0.68	371	12	<10	13	<5	5	<5	0.74	
CQ00959		2	<5	<1	<.5	39	<2	51	3	64	25	<1.0	<5	<5	<5	7.37	816	<25	209	85	90	<20	<20	12	9.16	3.04	4.66	2.92	0.60	297	12	<10	10	10	10	<5	0.93	
CQ00960		2	<5	<1	<.5	36	<2	51	4	58	29	<1.0	<5	<5	<5	6.82	821	<25	201	106	84	<20	<20	10	8.94	2.96	4.77	2.94	0.58	294	10	<10	9	7	10	6	0.72	
CQ00961		1	<5	<1	<.5	34	<2	48	2	55	24	<1.0	<5	<5	<5	6.98	802	<25	197	75	87	<20	<20	10	8.99	2.98	4.55	2.99	0.58	289	10	<10	9	9	10	12	0.83	
CQ00962		2	<5	1	<.5	36	<2	51	2	57	29	<1.0	<5	<5	<5	6.93	817	<25	204	104	84	<20	<20	10	8.99	2.97	4.79	2.95	0.58	297	10	<10	9	9	10	21	0.72	



BONDAR CLEGG



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REPORT: V01-00871.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 48(8/14)

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
CQ00941		142	1.433
CQ00942		293	3.523
CQ00943		770	2.506
CQ00944		463	3.012
CQ00945		117	0.215
CQ00946		58	0.066
CQ00947		127	0.262
CQ00948		35	0.520
CQ00949		56	0.255
CQ00950		37	4.874
CQ00951		54	0.070
CQ00952		147	0.213
CQ00953		49	1.046
CQ00954		73	2.012
CQ00955		54	0.073
CQ00956		36	0.155
CQ00957		66	0.082
CQ00958		56	0.057
CQ00959		61	0.090
CQ00960		52	0.085
CQ00961		50	0.071
CQ00962		54	0.081

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STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT		
ANALYTICAL BLANK		1	<5	2	<.5	3	<2	<2	<1	2	1	<1.0	<5	<5	<5	0.04	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01			
ANALYTICAL BLANK		2	<5	1	<.5	2	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01			
ANALYTICAL BLANK		2	<5	1	<.5	<1	<2	<2	<1	2	<1	<1.0	<5	<5	<5	0.03	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	0.02	<.01	<.01	1	<5	<10	<2	<5	<5	<5	<.01			
ANALYTICAL BLANK		1	<5	1	<.5	1	<2	2	<1	2	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01			
ANALYTICAL BLANK		2	<5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses		6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Mean Value		2	3	1	0.3	2	1	1	<1	2	<1	0.5	3	3	3	0.02	3	13	3	1	1	10	10	3	<0.01	<0.01	0.01	<.01	<.01	<1	3	5	1	3	3	3	3	<.01		
Standard Deviation		<1	-	<1	-	<1	-	<1	-	<1	<1	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-	-	0.01	-	-	<1	-	-	-	-	-	-	-		
Accepted Value		5	5	5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<0.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<.01		
ST 260		833	2169	1480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		821	2069	1453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		845	2182	1512	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		833	2140	1482	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		12	62	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GS91-1		-	-	-	<.5	88	7	85	2	35	24	<1.0	<5	9	<5	4.79	818	<25	577	83	174	<20	<20	8	6.36	2.04	1.68	1.95	1.10	253	12	<10	30	14	14	14	<5	0.56		
GS91-1		-	-	-	<.5	88	<2	93	2	34	14	<1.0	<5	7	<5	5.21	801	<25	662	88	180	<20	<20	12	7.90	1.91	1.93	2.20	1.11	271	13	<10	34	19	19	19	5	0.55		
Number of Analyses		-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		-	-	-	0.3	88	4	89	2	35	19	0.5	3	8	3	5.00	810	13	620	86	177	10	10	10	7.13	1.98	1.80	2.07	1.10	262	12	5	32	17	17	17	4	0.55		
Standard Deviation		-	-	-	-	<1	4	5	<1	1	7	-	-	1	-	0.30	12	-	60	3	4	-	-	3	1.09	0.10	0.18	0.18	<.01	13	<1	-	3	3	4	4	2	0.01		
Accepted Value		-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	18	1	0.51		



BONDAR CLEGG



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PROJECT: XCAQUENI.3712
DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 5B(10/14)

STANDARD NAME	ELEMENT	Zr	S
	UNITS	PPM	PCT
ANALYTICAL BLANK	<5	0.004	
ANALYTICAL BLANK	<5	<.002	
ANALYTICAL BLANK	<5	<.002	
ANALYTICAL BLANK	<5	<.002	
ANALYTICAL BLANK	-	-	
ANALYTICAL BLANK	-	-	
Number of Analyses	4	4	
Mean Value	3	0.002	
Standard Deviation	-	0.002	
Accepted Value	<1	<.001	
ST 260	-	-	
ST 260	-	-	
ST 260	-	-	
Number of Analyses	-	-	
Mean Value	-	-	
Standard Deviation	-	-	
Accepted Value	-	-	
GS91-1	51	0.028	
GS91-1	51	0.031	
Number of Analyses	2	2	
Mean Value	51	0.030	
Standard Deviation	<1	0.002	
Accepted Value	60	0.030	



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DATE RECEIVED: 22-MAY-01

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PAGE 6A(11/14)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT				
ST 248		991	89	651	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 248		994	103	654	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		867	85	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		950	92	639	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		72	10	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		>99	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CANMET LKSD-2	-	-	-	<.5	38	40	189	3	22	19	1.0	<5	11	<5	4.19	1931	<25	646	30	72	<20	<20	61	5.30	0.97	1.47	1.54	1.79	242	36	<10	23	8	9	<5	0.36						
Number of Analyses	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	-	-	0.3	38	40	189	3	22	19	1.0	3	11	3	4.19	1931	13	646	30	72	10	10	61	5.30	0.97	1.47	1.54	1.79	242	36	5	23	8	9	3	0.36						
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	0.40						
CANMET STSD-4	-	-	-	<.5	63	14	92	4	26	16	1.0	<5	16	6	3.57	1319	<25	1579	42	97	<20	<20	20	4.74	1.21	2.53	2.12	1.23	364	19	<10	15	8	12	<5	0.46						
Number of Analyses	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	-	-	0.3	63	14	92	4	26	16	1.0	3	16	6	3.57	1319	13	1579	42	97	10	10	20	4.74	1.21	2.53	2.12	1.23	364	19	5	15	8	12	3	0.46						
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46						



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00871.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 68(12/14)

STANDARD NAME	ELEMENT UNITS	Zr PPM	S PCT
ST 248	-	-	-
ST 248	-	-	-
ST 248	-	-	-
Number of Analyses	-	-	-
Mean Value	-	-	-
Standard Deviation	-	-	-
Accepted Value	-	-	-

CANMET LKSD-2	138	0.138
Number of Analyses	1	1
Mean Value	138	0.138
Standard Deviation	-	-
Accepted Value	128	0.140

CANMET STSD-4	63	0.084
Number of Analyses	1	1
Mean Value	63	0.084
Standard Deviation	-	-
Accepted Value	53	0.090



CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00871.0 (COMPLETE)

DATE RECEIVED: 22-MAY-01

DATE PRINTED: 31-MAY-01

PAGE 7A(13/14)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
CQ00852		3	5	7	<.5	229	7	60	<1	373	110	<1.0	<5	<5	<5	7.80	743	<25	118	130	48	<20	<20	<5	7.28	4.05	4.05	2.16	0.46	313	6	<10	7	<5	<5	<5	0.37
Duplicate		3	<5	7	<.5	205	7	56	<1	362	100	<1.0	<5	<5	<5	7.94	673	<25	106	121	48	<20	<20	<5	7.78	4.69	4.36	2.24	0.44	333	7	<10	7	<5	<5	<5	0.42
CQ00870		2	<5	5	<.5	497	<2	121	11	773	167	<1.0	<5	<5	<5	>10.00	1192	<25	331	254	196	<20	27	19	>10.00	6.44	>10.00	6.20	1.09	844	18	<10	19	9	16	<5	1.07
Duplicate					<.5	494	<2	120	13	748	161	1.1	<5	<5	<5	>10.00	1230	<25	337	233	196	<20	21	19	>10.00	7.70	>10.00	7.07	1.19	935	19	<10	22	12	19	<5	1.10
CQ00875		45	69	146	<.5	635	6	115	<1	14005	322	<1.0	<5	<5	<5	>10.00	1024	<25	29	216	32	<20	<20	5	2.12	>10.00	0.78	0.75	0.46	56	<5	<10	17	<5	<5	<5	0.11
Duplicate		43	67	148																																	
CQ00889		5	10	15	<.5	540	27	71	9	972	199	<1.0	<5	<5	5	>10.00	665	<25	28	88	84	<20	<20	<5	6.46	4.13	4.37	2.00	0.42	284	7	<10	5	<5	<5	<5	0.54
Duplicate					<.5	524	26	71	11	982	201	<1.0	<5	8	<5	>10.00	665	<25	41	82	84	<20	<20	<5	6.20	3.81	4.47	2.01	0.40	280	7	<10	4	<5	<5	<5	0.51
CQ00898		3	<5	9	<.5	407	20	69	11	686	184	<1.0	<5	<5	<5	>10.00	718	<25	64	63	45	<20	<20	<5	6.48	3.81	4.44	1.90	0.36	307	5	<10	4	<5	<5	<5	0.36
Duplicate		3	6	11																																	
CQ00906		5	6	16	<.5	447	18	76	6	1028	214	<1.0	<5	<5	<5	>10.00	629	<25	54	68	56	<20	<20	<5	6.02	3.13	3.73	1.91	0.44	296	6	<10	5	<5	<5	<5	0.39
Duplicate					<.5	450	20	78	7	1047	219	1.0	<5	<5	<5	>10.00	647	<25	46	73	58	<20	<20	<5	6.19	3.27	4.03	1.95	0.43	317	6	10	5	<5	<5	<5	0.39
CQ00921		2	7	12	1.3	2024	36	50	7	1361	90	<1.0	<5	<5	<5	4.82	235	<25	125	121	64	<20	<20	9	5.65	0.79	0.37	1.69	1.84	99	<5	17	15	<5	<5	<5	0.13
Duplicate		4	<5	14																																	
CQ00926		8	25	37	0.6	886	32	93	1	963	46	<1.0	<5	<5	<5	4.99	1165	<25	296	218	126	<20	<20	19	5.90	2.34	1.10	2.24	1.57	209	10	11	22	12	16	<5	0.43
Duplicate					0.9	887	33	97	2	975	46	<1.0	<5	<5	<5	4.97	1181	<25	302	270	133	<20	<20	17	5.70	2.23	1.07	2.09	1.38	202	9	11	21	12	15	<5	0.41
CQ00943		2	<5	6	<.5	988	39	67	20	597	67	<1.0	<5	<5	<5	>10.00	1060	<25	366	505	372	<20	<20	18	>10.00	2.58	0.72	9.81	2.41	221	12	37	102	36	12	10	0.79
Duplicate					<.5	931	51	67	19	586	66	<1.0	<5	<5	<5	>10.00	1014	31	354	426	354	<20	<20	17	>10.00	2.46	0.68	9.43	1.95	210	12	34	96	37	11	7	0.74
CQ00944		1	<5	7	<.5	570	45	139	22	691	76	<1.0	17	<5	<5	>10.00	756	<25	1058	523	360	<20	21	59	>10.00	2.24	1.24	6.04	6.48	443	16	33	81	49	16	24	0.81
Duplicate		2	<5	6																																	



BONDAR CLEGG



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00871.0 (COMPLETE)

PROJECT: XCAQUENI .3712
DATE RECEIVED: 22-MAY-01 DATE PRINTED: 31-MAY-01 PAGE 7B(14/14)

SAMPLE NUMBER	ELEMENT	Zr	S
	UNITS	PPM	PCT
CQ00852		48	1.731
Duplicate		45	1.750
CQ00870		105	3.876
Duplicate		109	3.806
CQ00875		36	5.338
Duplicate			
CQ00889		44	4.558
Duplicate		42	4.501
CQ00898		33	3.933
Duplicate			
CQ00906		43	4.279
Duplicate		41	4.344
CQ00921		53	1.833
Duplicate			
CQ00926		195	0.438
Duplicate		188	0.451
CQ00943		770	2.506
Duplicate		761	2.393
CQ00944		463	3.012
Duplicate			



BONDAR CLEGG



Geochemical Lab Report

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

PC



BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-00871.1 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: XCAQUENI.3712

DATE RECEIVED: 22-JUN-01

SUBMITTED BY: G. BROWN/K. WINTER
DATE PRINTED: 27-JUN-01

DATE	APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
010627	1	S Tot	S (Total) - ST60	52	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	51	? -200	51	SAMPLES FROM STORAGE	52
P PREPARED PULP	1	4 AS RECEIVED	1		

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00871.1 (COMPLETE)

DATE RECEIVED: 22-JUN-01

PROJECT: XCAQUJENI.3712

DATE PRINTED: 27-JUN-01

PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT	SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT
D? CQ00866		1.56	D? CQ00906		6.04
D? CQ00867		2.09	D? CQ00907		4.12
D? CQ00868		2.36	D? CQ00908		6.10
D? CQ00869		2.25	D? CQ00909		4.78
D? CQ00870		1.84	D? CQ00910		3.88
D? CQ00871		1.75	D? CQ00911		3.42
D? CQ00872		1.99	D? CQ00912		2.22
D? CQ00873		2.67	D? CQ00913		4.19
D? CQ00874		2.71	D? CQ00914		4.16
P4 CQ00875		6.13	D? CQ00915		3.80
D? CQ00876		2.12	D? CQ00916		8.70
D? CQ00877		2.44	D? CQ00917		10.01
D? CQ00878		2.84			
D? CQ00879		3.22			
D? CQ00880		4.27			
D? CQ00881		3.02			
D? CQ00882		4.33			
D? CQ00883		5.46			
D? CQ00884		3.18			
D? CQ00885		2.69			
D? CQ00886		4.23			
D? CQ00887		5.36			
D? CQ00888		5.20			
D? CQ00889		6.40			
D? CQ00890		6.29			
D? CQ00891		5.49			
D? CQ00892		7.47			
D? CQ00893		7.56			
D? CQ00894		6.79			
D? CQ00895		9.24			
D? CQ00896		6.73			
D? CQ00897		5.45			
D? CQ00898		5.25			
D? CQ00899		6.21			
D? CQ00900		7.13			
D? CQ00901		6.68			
D? CQ00902		6.78			
D? CQ00903		4.95			
D? CQ00904		4.74			
D? CQ00905		5.86			



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Geochemical Lab Report

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PROJECT: XCAQUENI.3712

DATE PRINTED: 27-JUN-01

PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	S Tot PCT
MP-1A		12.55
Number of Analyses		1
Mean Value		12.550
Standard Deviation		-
Accepted Value		12.70

STANDARD NAME	ELEMENT UNITS	S Tot PCT
---------------	---------------	-----------

UTS-2		3.27
Number of Analyses		1
Mean Value		3.273
Standard Deviation		-
Accepted Value		3.23

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DATE RECEIVED: 22-JUN-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 27-JUN-01

PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT	SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT
CQ00866		1.56			
Duplicate		1.55			
CQ00875		6.13			
Duplicate		6.04			
CQ00880		4.27			
Duplicate		4.30			
CQ00885		2.69			
Duplicate		2.64			
CQ00890		6.29			
Duplicate		6.39			
CQ00895		9.24			
Duplicate		9.20			
CQ00899		6.21			
Duplicate		6.26			
CQ00908		6.10			
Duplicate		6.03			
CQ00913		4.19			
Duplicate		4.18			



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Geochemical Lab Report

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112



BONDAR CLEGG



Geochemical Lab Report

REPRT: V01-00871.2 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
PROJECT: XCAQUENI.3712

DATE RECEIVED: 18-JUL-01

SUBMITTED BY: G. BROWN/K. WINTER
DATE PRINTED: 26-JUL-01

DATE APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
010720	1	S Tot	9	0.02 PCT		LECO
010720	2	Ni	9	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	9	? -200	9		

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

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Geochemical Lab Report

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DATE RECEIVED: 18-JUL-01

PROJECT: XCAQUENI.3712

DATE PRINTED: 26-JUL-01

PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT	Ni PCT
D? CQ00928		2.00	0.282
D? CQ00929		2.46	0.196
D? CQ00930		0.87	0.090
D? CQ00931		1.52	0.071
D? CQ00932		1.69	0.279
D? CQ00933		1.66	0.253
D? CQ00934		3.04	0.357
D? CQ00935		1.62	0.178
D? CQ00936		2.37	0.231



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Geochemical Lab Report

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PROJECT: XCAQUENT.3712

DATE PRINTED: 26-JUL-01

PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	S Tot PCT	Ni PCT
SU-1A		-	1.219
Number of Analyses		-	1
Mean Value		-	1.2193
Standard Deviation		-	-
Accepted Value		10.00	1.233
UTS-1		1.02	-
Number of Analyses		1	-
Mean Value		1.018	-
Standard Deviation		-	-
Accepted Value		1.00	-



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REPORT: V01-00871.2 (COMPLETE)

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PROJECT: XCAQUENI.3712

DATE PRINTED: 26-JUL-01

PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT	Ni PCT
Cq00928		2.00	0.282
Duplicate		2.03	0.281



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PL

WMC EXPLORATION INC.
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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Geochemical I Report

REPORT: V01-00872.0 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC EXPLORATION INC.

SUBMITTED BY: G. BROWN/K. WINTER

PROJECT: XCAQUENI.3712

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010601	1 Au	Au - FA35/36	121	1 PPB	FIRE ASSAY	010601	37 Ti	Ti - IC30	121	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010601	2 Pt	Pt - FA36	121	5 PPB	FIRE ASSAY	010601	38 Zr	Zr - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010601	3 Pd	Pd - FA36	121	1 PPB	FIRE ASSAY	010601	39 S	S - IC30	121	0.002 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010601	4 Au Wt1	Test Weight	121	0.01 GM	FIRE ASSAY							
010601	5 Ag	Ag - IC30	121	0.5 PPM	HF-HNO3-HCLO4-HCL							
010601	6 Cu	Cu - IC30	121	1 PPM	HF-HNO3-HCLO4-HCL							
010601	7 Pb	Pb - IC30	121	2 PPM	HF-HNO3-HCLO4-HCL							
010601	8 Zn	Zn - IC30	121	2 PPM	HF-HNO3-HCLO4-HCL							
010601	9 Mo	Mo - IC30	121	1 PPM	HF-HNO3-HCLO4-HCL							
010601	10 Ni	Ni - IC30	121	1 PPM	HF-HNO3-HCLO4-HCL							
010601	11 Co	Co - IC30	121	1 PPM	HF-HNO3-HCLO4-HCL							
010601	12 Cd	Cd - IC30	121	1.0 PPM	HF-HNO3-HCLO4-HCL							
010601	13 Bi	Bi - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	14 As	As - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	15 Sb	Sb - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	16 Fe Tot	Fe - IC30	121	0.01 PCT	HF-HNO3-HCLO4-HCL							
010601	17 Mn	Mn - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	18 Te	Te - IC30	121	25 PPM	HF-HNO3-HCLO4-HCL							
010601	19 Ba	Ba - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	20 Cr	Cr - IC30	121	2 PPM	HF-HNO3-HCLO4-HCL							
010601	21 V	V - IC30	121	2 PPM	HF-HNO3-HCLO4-HCL							
010601	22 Sn	Sn - IC30	121	20 PPM	HF-HNO3-HCLO4-HCL							
010601	23 W	W - IC30	121	20 PPM	HF-HNO3-HCLO4-HCL							
010601	24 La	La - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	25 Al	Al - IC30	121	0.01 PCT	HF-HNO3-HCLO4-HCL							
010601	26 Mg	Mg - IC30	121	0.01 PCT	HF-HNO3-HCLO4-HCL							
010601	27 Ca	Ca - IC30	121	0.01 PCT	HF-HNO3-HCLO4-HCL							
010601	28 Na	Na - IC30	121	0.01 PCT	HF-HNO3-HCLO4-HCL							
010601	29 K	K - IC30	121	0.01 PCT	HF-HNO3-HCLO4-HCL							
010601	30 Sr	Sr - IC30	121	1 PPM	HF-HNO3-HCLO4-HCL							
010601	31 Y	Y - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	32 Ga	Ga - IC30	121	10 PPM	HF-HNO3-HCLO4-HCL							
010601	33 Li	Li - IC30	121	2 PPM	HF-HNO3-HCLO4-HCL							
010601	34 Nb	Nb - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	35 Sc	Sc - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							
010601	36 Ta	Ta - IC30	121	5 PPM	HF-HNO3-HCLO4-HCL							

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	118	? -200	118	TOTAL SAMPLE PREP	112
P PREPARED PULP	3	4 AS RECEIVED	3	SAMPLE SPLITS	6
# EMPTY BAG	1	0 NONE	1	PULP VERIFICATION	3

NOTES: E indicates Empty Envelope

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Sample weight was reduced for Au,PT,Pd to increase fusion quality due to high Ni.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS MR. KELLY MONIER INVOICE TO: MS. ANNETTE BURT

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CLIENT: WMC EXPLORATION INC.
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PAGE 1A(1/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective concentrations and detection limits.

CLIENT: WMC EXPLORATION INC.
 REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PROJECT: XCAQUEN1.3712
 PAGE 18(2/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00963		2.03	74	0.129
CQ00964		1.49	72	0.103
CQ00965		1.23	61	0.105
CQ00966		1.49	72	0.101
CQ00967		1.24	73	0.111
CQ00968		1.16	68	0.097
CQ00969		0.96	56	0.093
CQ00970		1.05	69	0.093
CQ00971		0.95	72	0.100
CQ00972		0.90	48	0.122
CQ00973		1.65	99	0.194
CQ00974		0.72	66	0.160
CQ00975		0.84	67	0.135
CQ00976				
CQ00977		0.78	76	0.082
CQ00978		0.80	77	0.133
CQ00979		0.71	59	0.076
CQ00980		0.75	61	0.073
CQ00981		0.81	65	0.069
CQ00982		0.76	61	0.068
CQ00983		0.76	65	0.088
CQ00984		0.78	47	0.090
CQ00985		0.75	50	0.081
CQ00986		0.70	55	0.074
CQ00987		0.59	47	0.088
CQ00988		0.65	63	0.082
CQ00989		0.64	52	0.093
CQ00990		0.77	71	0.112
CQ00991		0.71	57	0.056
CQ00992		0.79	60	0.072



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PAGE 2A(3/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with corresponding values and units.

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PAGE 2B(4/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00993	0.89	75	0.074	
CQ00994	0.71	61	0.074	
CQ00995	0.76	66	0.083	
CQ00996	0.73	58	0.073	
CQ00997	0.58	58	0.087	
CQ00998	1.23	233	0.111	
CQ00999	0.80	73	0.081	
CQ01000	0.71	67	0.066	
CQ01001	0.69	65	0.072	
CQ01002	0.71	66	0.072	
CQ01003	0.65	62	0.075	
CQ01004	0.60	61	0.073	
CQ01005	0.56	48	0.079	
CQ01006	0.62	60	0.072	
CQ01007	0.71	61	0.084	
CQ01008	0.59	52	0.050	
CQ01009	0.61	53	0.085	
CQ01010	0.64	57	0.078	
CQ01011	0.66	54	0.078	
CQ01012	0.65	60	0.072	
CQ01013	0.71	67	0.092	
CQ01014	0.67	56	0.071	
CQ01015	0.63	53	0.059	
CQ01016	0.59	53	0.073	
CQ01017	0.66	59	0.065	
CQ01018	0.70	61	0.059	
CQ01019	0.71	64	0.062	
CQ01020	0.74	59	0.129	
CQ01021	0.72	59	0.258	
CQ01022	0.71	56	0.133	



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PAGE 3A(5/16)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective concentrations in PPM or PCT.



BONDAR CLEGG



VANCOUVER BRANCH

Geochemical I Report

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PROJECT: XCAQUENI.3712
PAGE 3B(6/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01023		0.61	48	0.062
CQ01024		0.79	56	0.078
CQ01025		0.11	36	5.202
CQ01026		0.73	58	0.067
CQ01027		0.65	62	0.084
CQ01028		0.67	59	0.056
CQ01029		0.73	70	0.062
CQ01030		0.79	77	0.059
CQ01031		0.55	40	0.722
CQ01032		0.61	51	0.333
CQ01033		0.87	66	0.074
CQ01034		0.74	61	0.073
CQ01035		0.70	56	0.153
CQ01036		0.71	60	0.068
CQ01037		0.84	61	0.108
CQ01038		0.72	64	0.085
CQ01039		0.67	57	0.127
CQ01040		0.67	61	0.185
CQ01042		0.71	60	0.179
CQ01043		0.67	55	0.206
CQ01044		0.72	57	0.118
CQ01045		0.65	58	0.080
CQ01046		0.57	49	0.762
CQ01051		0.71	35	0.200
CQ01052		0.45	88	0.143
CQ01053		0.63	59	0.118
CQ01054		0.41	64	0.080
CQ01055		0.57	68	0.105
CQ01056		0.64	49	0.432
CQ01057		0.45	69	0.314



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DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PAGE 4A(7/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective concentrations and units.



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PAGE 4B(8/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01058		0.31	81	0.040
CQ01059		0.27	56	0.029
CQ01060		0.10	47	0.020
CQ01061		0.08	50	0.023
CQ01062		0.10	47	0.018
CQ01063		0.27	53	0.099
CQ01064		0.45	101	0.579
CQ01065		0.13	192	2.144
CQ01066		0.17	206	1.905
CQ01067		0.33	144	0.875
CQ01068		0.37	85	0.578
CQ01069		0.39	98	1.169
CQ01070		0.41	106	0.663
CQ01071		0.59	326	0.243
CQ01072		0.62	176	0.640
CQ01073		0.41	86	0.965
CQ01074		0.23	183	1.485
CQ01075		0.11	35	5.484
CQ01076		0.25	144	2.446
CQ01077		0.19	156	2.351
CQ01078		0.14	178	2.207
CQ01079		0.16	179	2.163
CQ01080		0.18	166	1.905
CQ01081		0.17	175	1.889
CQ01082		0.19	168	1.909
CQ01083		0.22	309	1.027
CQ01084		0.33	196	0.905
CQ01085		0.42	94	1.071
CQ01086		0.43	96	0.940
CQ01087		0.37	96	1.449

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PAGE 5A(9/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01088		3	<5	1	31.70	<.5	51	24	32	2	30	15	<1.0	<5	<5	<5	3.18	146	<25	393	234	66	<20	<20	42	7.75	0.91	0.17	0.95	1.90	68	11	12	38	<5	<5	<5	
CQ01089		3	<5	2	30.12	<.5	52	13	93	2	33	25	<1.0	<5	6	<5	5.31	503	<25	381	270	105	<20	<20	38	7.41	1.39	1.44	0.76	1.68	95	17	<10	42	13	<5	<5	



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Geochemical I Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PAGE 5B(10/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01088		0.27	213	0.998
CQ01089		0.75	92	1.054

CLIENT: WMC EXPLORATION INC.
 REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PAGE 6A(11/16)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
ANALYTICAL BLANK		<1	<5	<1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5
ANALYTICAL BLANK		2	<5	1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	6	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5
ANALYTICAL BLANK		1	<5	<1	-	<.5	<1	<2	<2	<1	3	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		1	<5	<1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		2	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		6	6	6	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mean Value		1	3	<1	-	0.3	<1	1	1	<1	1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	<0.01	<0.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	
Standard Deviation		<1	-	<1	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	
ST 248		1081	116	671	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		1038	102	677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		1022	105	709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		1047	108	686	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		31	8	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET LKSD-2		-	-	-	-	<.5	34	37	207	1	25	18	1.0	<5	9	<5	4.03	1827	<25	647	35	71	<20	<20	54	4.09	1.00	1.45	1.38	1.89	210	36	<10	22	9	<5	<5	
CANMET LKSD-2		-	-	-	-	<.5	36	42	216	<1	26	19	1.1	<5	11	<5	3.96	1825	<25	653	38	72	<20	<20	60	5.87	0.95	1.43	1.29	1.83	189	38	<10	21	11	<5	<5	
Number of Analyses		-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mean Value		-	-	-	-	0.3	35	39	212	<1	26	19	1.0	3	10	3	3.99	1826	13	650	36	71	10	10	57	4.98	0.98	1.44	1.33	1.86	200	37	5	22	10	3	3	
Standard Deviation		-	-	-	-	-	1	4	7	<1	<1	<1	<0.1	-	1	-	0.05	1	-	4	2	<1	-	-	4	1.25	0.03	0.01	0.06	0.04	15	2	-	<1	1	-		
Accepted Value		-	-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PAGE 68(12/16)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
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ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	-	-	-	

ANALYTICAL BLANK	-	-	-	
Number of Analyses	4	4	4	
Mean Value	<.01	3	0.001	
Standard Deviation	-	-	-	
Accepted Value	<.01	<1	<.001	

ST 248	-	-	-	
ST 248	-	-	-	
ST 248	-	-	-	
Number of Analyses	-	-	-	
Mean Value	-	-	-	

Standard Deviation	-	-	-	
Accepted Value	-	-	-	

CANMET LKSD-2	0.36	138	0.149	
CANMET LKSD-2	0.35	123	0.148	
Number of Analyses	2	2	2	
Mean Value	0.35	130	0.148	
Standard Deviation	<.01	11	0.001	
Accepted Value	0.40	128	0.140	



BONDAR CLEGG



Geochemical I Report

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PROJECT: XCAQUENI.3712

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DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PAGE 7A(13/16)

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM					
ST 260		871	2286	1593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 260		933	2347	1583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 260		894	2198	1508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		899	2277	1561	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Standard Deviation		31	75	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CANMET STSD-4		-	-	-	-	<.5	66	15	96	1	27	15	<1.0	<5	16	6	3.73	1401	<25	1639	61	96	<20	<20	19	4.21	1.26	2.64	1.90	1.24	360	20	<10	15	9	6	<5						
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.3	66	15	96	1	27	15	0.5	3	16	6	3.73	1401	13	1639	61	96	10	10	19	4.21	1.26	2.64	1.90	1.24	360	20	5	15	9	6	3						
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1						
GS91-1		-	-	-	-	0.6	89	5	82	<1	36	22	<1.0	<5	10	<5	4.61	790	<25	527	79	184	<20	<20	10	4.42	1.98	1.89	1.71	0.99	224	14	<10	28	14	9	<5						
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-	-	0.6	89	5	82	<1	36	22	0.5	3	10	3	4.61	790	13	527	79	184	10	10	10	4.42	1.98	1.89	1.71	0.99	224	14	5	28	14	9	3						
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1						



BONDAR CLEGG



Geochemical Job Report

CLIENT: WMC EXPLORATION INC.
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PROJECT: XCAQUEN1.3712
PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ST 260		-	-	-
ST 260		-	-	-
ST 260		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

CANMET STSD-4	0.45	53	0.091
Number of Analyses	1	1	1
Mean Value	0.45	53	0.091
Standard Deviation	-	-	-
Accepted Value	0.46	53	0.090

GS91-1	0.56	50	0.030
Number of Analyses	1	1	1
Mean Value	0.56	50	0.030
Standard Deviation	-	-	-
Accepted Value	0.51	60	0.030



CLIENT: WMC EXPLORATION INC.
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 4-JUN-01 PAGE 8A(15/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective concentrations and units.

CLIENT: WMC EXPLORATION INC.

PROJECT: XCAQUENI.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 4-JUN-01

PAGE 8B(16/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00965		1.23	61	0.105
Duplicate		1.16	62	0.102
CQ00983		0.76	65	0.088
Duplicate		0.76	68	0.084
CQ00989		0.64	52	0.093
Duplicate				
CQ01003		0.65	62	0.075
Duplicate		0.64	62	0.072
CQ01012		0.65	60	0.072
Duplicate				
CQ01020		0.74	59	0.129
Duplicate		0.72	60	0.134
CQ01035		0.70	56	0.153
Duplicate				
CQ01040		0.67	61	0.185
Duplicate		0.72	64	0.183
CQ01062		0.10	47	0.018
Duplicate		0.10	49	0.020
CQ01063		0.27	53	0.099
Duplicate				
CQ01082		0.19	168	1.909
Duplicate		0.18	159	1.890
CQ01086		0.43	96	0.940
Duplicate				



BONDAR CLEGG



WMC INTERNATIONAL LTD.-EXPLORATION
MR. KELLY MONIER
C/O GEOPRO SERVICES
7225 EAST 28TH ST
TUCSON, AZ 85710

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BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-00872.0 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: G. BROWN/K. WINTER

PROJECT: XCAQUENI.3712

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010601	1 Au	Au - FA35/36	122	1 PPB	FIRE ASSAY
010601	2 Pt	Pt - FA36	122	5 PPB	FIRE ASSAY
010601	3 Pd	Pd - FA36	122	1 PPB	FIRE ASSAY
010601	4 Au	Wt1 Test Weight	122	0.01 GM	FIRE ASSAY
010601	5 Ag	Ag - IC30	122	0.5 PPM	HF-HNO3-HClO4-HCL
010601	6 Cu	Cu - IC30	122	1 PPM	HF-HNO3-HClO4-HCL
010601	7 Pb	Pb - IC30	122	2 PPM	HF-HNO3-HClO4-HCL
010601	8 Zn	Zn - IC30	122	2 PPM	HF-HNO3-HClO4-HCL
010601	9 Mo	Mo - IC30	122	1 PPM	HF-HNO3-HClO4-HCL
010601	10 Ni	Ni - IC30	122	1 PPM	HF-HNO3-HClO4-HCL
010601	11 Co	Co - IC30	122	1 PPM	HF-HNO3-HClO4-HCL
010601	12 Cd	Cd - IC30	122	1.0 PPM	HF-HNO3-HClO4-HCL
010601	13 Bi	Bi - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	14 As	As - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	15 Sb	Sb - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	16 Fe Tot	Fe - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL
010601	17 Mn	Mn - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	18 Te	Te - IC30	122	25 PPM	HF-HNO3-HClO4-HCL
010601	19 Ba	Ba - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	20 Cr	Cr - IC30	122	2 PPM	HF-HNO3-HClO4-HCL
010601	21 V	V - IC30	122	2 PPM	HF-HNO3-HClO4-HCL
010601	22 Sn	Sn - IC30	122	20 PPM	HF-HNO3-HClO4-HCL
010601	23 W	W - IC30	122	20 PPM	HF-HNO3-HClO4-HCL
010601	24 La	La - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	25 Al	Al - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL
010601	26 Mg	Mg - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL
010601	27 Ca	Ca - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL
010601	28 Na	Na - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL
010601	29 K	K - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL
010601	30 Sr	Sr - IC30	122	1 PPM	HF-HNO3-HClO4-HCL
010601	31 Y	Y - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	32 Ga	Ga - IC30	122	10 PPM	HF-HNO3-HClO4-HCL
010601	33 Li	Li - IC30	122	2 PPM	HF-HNO3-HClO4-HCL
010601	34 Nb	Nb - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	35 Sc	Sc - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	36 Ta	Ta - IC30	122	5 PPM	HF-HNO3-HClO4-HCL

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010601	37 Ti	Ti - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL
010601	38 Zr	Zr - IC30	122	5 PPM	HF-HNO3-HClO4-HCL
010601	39 S	S - IC30	122	0.002 PCT	HF-HNO3-HClO4-HCL

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	119	? -200	118	TOTAL SAMPLE PREP	112
P PREPARED PULP	3	4 AS RECEIVED	3	SAMPLE SPLITS	6
		2 -150	1	PULP VERIFICATION	3

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Due to high Ni, sample weights for Au, Pt, Pd were reduced. Please note that this is a Correction Certificate and that all results contained herein are to supersede any and all previously reported. Due to a sample mix-up during sample prep, the original results for samples CQ00975 & CQ00976 were in error. BMW 07-18-01 NCA2852,53.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUENI.3712

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 1A(1/16)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective values and units.



BONDAR CLEGG



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
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PROJECT: XCAQJENI.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 1B(2/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00963		2.03	74	0.129
CQ00964		1.49	72	0.103
CQ00965		1.23	61	0.105
CQ00966		1.49	72	0.101
CQ00967		1.24	73	0.111
CQ00968		1.16	68	0.097
CQ00969		0.96	56	0.093
CQ00970		1.05	69	0.093
CQ00971		0.95	72	0.100
CQ00972		0.90	48	0.122
CQ00973		1.65	99	0.194
CQ00974		0.72	66	0.160
CQ00975		0.05	41	5.849
CQ00976		0.46	31	0.179
CQ00977		0.78	76	0.082
CQ00978		0.80	77	0.133
CQ00979		0.71	59	0.076
CQ00980		0.75	61	0.073
CQ00981		0.81	65	0.069
CQ00982		0.76	61	0.068
CQ00983		0.76	65	0.088
CQ00984		0.78	47	0.090
CQ00985		0.75	50	0.081
CQ00986		0.70	55	0.074
CQ00987		0.59	47	0.088
CQ00988		0.65	63	0.082
CQ00989		0.64	52	0.093
CQ00990		0.77	71	0.112
CQ00991		0.71	57	0.056
CQ00992		0.79	60	0.072



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 2A(3/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	AU Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ00993		<1	<5	<1	31.25	<.5	22	<2	55	<1	146	36	<1.0	<5	6	<5	5.88	792	<25	190	38	81	<20	<20	15	7.45	4.29	5.31	2.35	0.64	388	19	<10	9	<5	5	<5
CQ00994		<1	<5	<1	32.91	<.5	34	5	59	<1	188	41	<1.0	<5	<5	<5	6.75	920	<25	153	54	72	<20	<20	14	7.44	5.64	5.37	2.14	0.55	363	17	<10	9	<5	7	<5
CQ00995		1	<5	<1	30.48	<.5	34	4	60	2	159	39	<1.0	<5	<5	<5	6.42	900	<25	180	43	74	<20	<20	14	7.43	4.64	5.49	2.17	0.55	371	18	<10	12	<5	<5	<5
CQ00996		<1	<5	<1	32.22	<.5	28	<2	53	2	126	34	<1.0	<5	<5	<5	5.82	838	<25	183	58	77	<20	<20	14	7.53	3.81	5.81	2.30	0.56	382	18	<10	7	<5	6	<5
CQ00997		<1	<5	<1	32.83	<.5	57	5	65	<1	100	38	<1.0	<5	9	<5	6.87	1006	<25	191	22	54	<20	<20	14	7.01	4.33	5.19	2.31	0.53	366	17	<10	8	<5	<5	<5
CQ00998		<1	<5	<1	31.39	<.5	22	<2	95	2	8	33	<1.0	<5	14	<5	9.04	1588	<25	486	60	62	<20	<20	54	5.23	1.62	3.74	3.31	1.02	198	65	<10	6	9	10	<5
CQ00999		<1	<5	<1	31.19	<.5	28	2	61	<1	149	41	<1.0	<5	<5	<5	6.53	917	<25	217	50	88	<20	<20	17	7.43	4.72	5.46	2.38	0.62	375	20	<10	8	<5	6	<5
CQ01000		<1	<5	<1	30.46	<.5	16	<2	52	<1	156	34	<1.0	<5	6	<5	5.64	809	<25	159	87	77	<20	<20	14	7.43	4.54	5.65	2.23	0.55	369	18	<10	8	<5	8	<5
CQ01001		1	<5	<1	31.02	<.5	18	2	53	<1	161	35	<1.0	<5	<5	<5	5.70	809	<25	163	75	76	<20	<20	14	7.42	4.55	5.57	2.18	0.53	367	17	<10	8	<5	8	<5
CQ01002		<1	<5	<1	31.83	<.5	18	<2	55	<1	166	37	<1.0	<5	7	<5	6.05	863	<25	172	82	78	<20	<20	15	8.15	4.74	5.99	2.23	0.53	375	19	<10	8	<5	9	<5
CQ01003		<1	<5	<1	31.77	<.5	27	4	58	<1	180	39	<1.0	<5	<5	<5	6.65	916	<25	162	70	69	<20	<20	14	8.08	5.13	5.65	2.18	0.51	364	18	<10	6	<5	8	<5
CQ01004		1	<5	<1	30.13	<.5	33	5	57	1	162	37	<1.0	<5	<5	<5	6.58	905	<25	162	68	63	<20	<20	13	8.24	4.79	5.53	2.26	0.48	381	17	<10	6	<5	6	<5
CQ01005		1	<5	<1	30.56	<.5	46	2	59	<1	159	40	<1.0	<5	<5	<5	6.97	954	<25	148	54	59	<20	<20	12	7.96	4.81	5.40	2.13	0.44	373	15	<10	8	<5	5	<5
CQ01006		1	<5	<1	32.13	<.5	27	3	56	<1	151	36	<1.0	<5	<5	<5	6.04	843	<25	164	52	65	<20	<20	14	8.02	4.65	5.66	2.15	0.53	383	17	<10	9	<5	6	<5
CQ01007		<1	<5	<1	32.00	<.5	38	2	55	<1	134	35	<1.0	<5	<5	<5	5.54	768	<25	155	65	72	<20	<20	13	8.02	4.23	5.71	2.24	0.52	375	17	<10	8	<5	7	<5
CQ01008		3	<5	2	32.30	<.5	53	<2	49	<1	113	33	<1.0	<5	7	<5	5.84	848	<25	117	36	60	<20	<20	12	7.78	4.60	5.46	2.18	0.52	340	14	<10	19	<5	6	<5
CQ01009		1	<5	<1	32.46	<.5	48	<2	48	<1	141	34	<1.0	<5	<5	<5	5.58	766	<25	145	50	63	<20	<20	12	7.27	3.97	5.43	2.24	0.53	384	14	<10	9	<5	<5	<5
CQ01010		3	20	<1	30.26	<.5	51	4	49	<1	152	34	<1.0	<5	<5	<5	5.62	773	<25	144	44	59	<20	<20	12	7.65	4.52	5.31	2.25	0.54	382	15	<10	10	<5	<5	<5
CQ01011		<1	<5	1	30.34	<.5	26	3	53	1	159	36	<1.0	<5	<5	<5	5.74	786	<25	146	53	65	<20	<20	13	8.03	4.93	5.57	2.16	0.52	393	16	<10	8	<5	6	<5
CQ01012		<1	<5	<1	32.36	<.5	22	3	51	2	152	35	<1.0	<5	6	<5	5.30	722	<25	157	56	67	<20	<20	13	8.43	4.59	5.88	2.24	0.51	406	17	<10	10	<5	7	<5
CQ01013		1	<5	<1	31.38	<.5	30	<2	46	<1	153	35	<1.0	<5	<5	<5	5.26	717	<25	167	47	73	<20	<20	14	8.73	3.94	6.03	2.38	0.47	436	18	<10	7	<5	6	<5
CQ01014		<1	<5	1	32.58	<.5	29	<2	49	<1	195	37	<1.0	<5	<5	<5	5.64	770	<25	140	68	71	<20	<20	12	8.12	4.90	5.88	2.21	0.43	390	16	<10	7	<5	8	<5
CQ01015		<1	<5	<1	30.17	<.5	24	<2	52	<1	189	39	<1.0	<5	<5	<5	6.10	847	<25	128	53	62	<20	<20	13	7.83	5.61	5.46	2.03	0.48	365	16	<10	14	<5	5	<5
CQ01016		<1	<5	<1	32.04	<.5	24	<2	46	<1	162	35	<1.0	<5	<5	<5	5.33	721	<25	142	66	68	<20	<20	12	8.21	4.59	5.76	2.23	0.45	405	16	<10	8	<5	7	<5
CQ01017		1	<5	1	30.99	<.5	27	<2	49	<1	202	37	<1.0	<5	<5	<5	5.45	732	<25	145	48	67	<20	<20	12	6.79	4.49	5.20	2.25	0.48	379	15	<10	6	<5	<5	<5
CQ01018		2	<5	<1	32.84	<.5	27	<2	50	<1	184	40	<1.0	<5	<5	<5	5.62	776	<25	143	71	72	<20	<20	13	6.72	4.85	5.40	2.26	0.47	378	16	<10	5	<5	<5	<5
CQ01019		1	<5	<1	30.48	<.5	28	<2	45	<1	173	35	<1.0	<5	<5	<5	4.99	691	<25	142	77	74	<20	<20	13	6.03	4.07	5.08	2.15	0.56	359	16	<10	8	<5	<5	<5
CQ01020		1	<5	<1	31.04	<.5	80	<2	53	<1	291	42	<1.0	<5	<5	<5	6.04	805	<25	146	45	72	<20	<20	13	7.51	5.57	5.38	2.20	0.46	380	16	<10	6	<5	6	<5
CQ01021		2	<5	1	32.21	<.5	133	<2	58	<1	444	48	<1.0	<5	<5	<5	6.58	843	<25	146	57	73	<20	<20	13	7.71	6.04	5.44	2.14	0.46	369	17	<10	6	<5	6	<5
CQ01022		1	<5	1	31.27	<.5	81	2	53	2	294	43	<1.0	<5	<5	<5	6.05	810	<25	148	49	72	<20	<20	13	7.51	5.45	5.38	2.15	0.44	375	16	<10	6	<5	6	<5



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
 REPORT: V01-00872.D (COMPLETE)

PROJECT: XCAQUENI.3712
 DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 2B(4/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00993		0.89	75	0.074
CQ00994		0.71	61	0.074
CQ00995		0.76	66	0.083
CQ00996		0.73	58	0.073
CQ00997		0.58	58	0.087
CQ00998		1.23	233	0.111
CQ00999		0.80	73	0.081
CQ01000		0.71	67	0.066
CQ01001		0.69	65	0.072
CQ01002		0.71	66	0.072
CQ01003		0.65	62	0.075
CQ01004		0.60	61	0.073
CQ01005		0.56	48	0.079
CQ01006		0.62	60	0.072
CQ01007		0.71	61	0.084
CQ01008		0.59	52	0.050
CQ01009		0.61	53	0.085
CQ01010		0.64	57	0.078
CQ01011		0.66	54	0.078
CQ01012		0.65	60	0.072
CQ01013		0.71	67	0.092
CQ01014		0.67	56	0.071
CQ01015		0.63	53	0.059
CQ01016		0.59	53	0.073
CQ01017		0.66	59	0.065
CQ01018		0.70	61	0.059
CQ01019		0.71	64	0.062
CQ01020		0.74	59	0.129
CQ01021		0.72	59	0.258
CQ01022		0.71	56	0.133



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 3A(5/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01023		<1	<5	1	32.54	<.5	30	3	54	<1	215	44	<1.0	<5	<5	<5	6.40	864	<25	138	79	71	<20	<20	12	6.80	6.27	5.26	2.11	0.41	354	15	<10	6	<5	6	<5
CQ01024		<1	<5	<1	31.13	<.5	36	<2	52	1	203	42	<1.0	<5	<5	<5	5.99	822	<25	147	83	84	<20	<20	13	7.76	5.44	5.82	2.24	0.45	375	17	<10	6	<5	8	<5
CQ01025		48	79	173	15.85	<.5	716	10	127	<1	13598	304	1.9	<5	9	<5	>10.00	1043	<25	41	243	35	<20	<20	11	1.97	>10.00	0.90	0.64	0.44	57	10	<10	17	<5	<5	<5
CQ01026		1	<5	<1	31.29	<.5	32	<2	45	<1	167	35	<1.0	<5	6	<5	5.11	716	<25	147	65	79	<20	<20	13	7.77	4.67	5.72	2.23	0.45	376	17	<10	6	<5	8	<5
CQ01027		1	<5	<1	31.13	<.5	37	<2	48	<1	174	35	<1.0	<5	<5	<5	5.42	751	<25	146	70	75	<20	<20	13	7.62	4.80	5.61	2.30	0.47	389	17	<10	6	<5	7	<5
CQ01028		1	<5	<1	30.56	<.5	21	3	49	<1	187	38	<1.0	<5	<5	<5	5.53	765	<25	127	89	73	<20	<20	13	6.81	5.54	5.11	2.18	0.49	351	17	<10	7	<5	8	<5
CQ01029		1	<5	<1	32.60	<.5	24	<2	51	<1	165	37	<1.0	<5	<5	<5	5.52	764	<25	153	68	79	<20	<20	14	7.75	4.89	5.60	2.35	0.54	390	19	<10	8	<5	7	<5
CQ01030		1	<5	<1	32.17	<.5	20	<2	51	2	138	35	<1.0	<5	9	<5	5.29	730	<25	165	31	82	<20	<20	16	8.18	4.51	5.56	2.43	0.54	407	21	<10	7	<5	6	<5
CQ01031		2	6	1	31.86	<.5	298	4	60	2	502	72	<1.0	<5	<5	<5	5.97	632	<25	170	184	120	<20	<20	12	8.38	4.99	5.18	1.89	0.56	396	15	<10	29	<5	<5	<5
CQ01032		3	<5	2	30.89	<.5	149	4	55	<1	558	57	<1.0	<5	<5	<5	6.12	729	<25	170	111	101	<20	<20	13	8.24	5.13	5.44	1.87	0.51	395	16	<10	32	<5	<5	<5
CQ01033		1	<5	<1	31.19	<.5	22	<2	58	<1	168	40	<1.0	<5	8	<5	5.99	825	<25	174	33	67	<20	<20	15	7.75	5.24	5.55	2.14	0.61	383	20	<10	15	<5	6	<5
CQ01034		<1	<5	<1	32.43	<.5	18	<2	53	<1	190	40	<1.0	<5	6	<5	6.06	822	<25	150	56	69	<20	<20	14	7.76	5.29	5.53	2.15	0.47	378	18	<10	8	<5	6	<5
CQ01035		1	<5	<1	31.87	<.5	69	3	57	2	334	44	<1.0	<5	<5	<5	6.36	841	<25	150	51	70	<20	<20	13	7.41	5.75	5.48	2.08	0.47	383	17	<10	8	<5	5	<5
CQ01036		<1	<5	<1	31.06	<.5	21	<2	52	<1	154	36	<1.0	<5	5	<5	5.38	728	<25	141	59	74	<20	<20	12	5.87	4.10	5.12	2.16	0.50	365	15	<10	6	<5	<5	<5
CQ01037		<1	<5	<1	31.80	<.5	35	<2	53	<1	186	39	<1.0	<5	<5	<5	5.63	769	<25	145	50	82	<20	<20	13	6.21	4.50	5.20	2.17	0.50	371	16	<10	7	<5	5	<5
CQ01038		<1	<5	<1	32.63	<.5	31	<2	52	2	193	39	<1.0	<5	<5	<5	5.49	756	<25	147	52	70	<20	<20	13	6.05	4.35	5.09	2.07	0.52	365	16	<10	12	<5	<5	<5
CQ01039		2	<5	<1	32.47	<.5	50	<2	51	<1	226	41	<1.0	<5	<5	<5	5.82	795	<25	144	51	67	<20	<20	12	6.47	5.15	5.33	2.06	0.55	366	15	<10	10	<5	<5	<5
CQ01040		<1	<5	<1	32.94	<.5	79	<2	51	<1	287	41	<1.0	<5	<5	<5	5.76	774	<25	145	52	73	<20	<20	13	7.38	4.88	5.65	2.25	0.47	387	17	<10	6	<5	5	<5
CQ01042		2	6	<1	31.19	<.5	77	<2	51	1	286	41	<1.0	<5	<5	<5	5.62	770	<25	143	60	74	<20	<20	13	6.98	4.84	5.61	2.29	0.47	384	16	<10	5	<5	<5	<5
CQ01043		1	<5	<1	31.98	<.5	65	<2	56	<1	219	45	<1.0	<5	7	<5	6.24	817	<25	137	52	81	<20	<20	13	7.10	4.95	5.45	2.10	0.42	371	17	<10	5	<5	<5	<5
CQ01044		2	<5	<1	30.89	<.5	25	2	47	<1	116	38	<1.0	<5	<5	<5	5.34	746	<25	140	53	65	<20	<20	13	6.88	4.55	5.61	2.19	0.49	385	16	<10	6	<5	<5	<5
CQ01045		1	<5	<1	31.76	<.5	21	<2	46	<1	153	34	<1.0	<5	<5	<5	5.16	703	<25	135	53	64	<20	<20	12	5.96	3.60	5.43	2.10	0.45	364	15	<10	6	<5	<5	<5
CQ01046		4	6	5	32.01	<.5	623	<2	61	<1	1013	62	1.0	<5	<5	<5	5.88	659	<25	99	86	77	<20	<20	10	4.97	3.69	3.83	1.97	0.55	310	12	<10	9	<5	<5	<5
CQ01051		<1	<5	2	31.09	<.5	142	4	78	2	77	38	<1.0	<5	<5	<5	7.34	1155	<25	126	113	290	<20	<20	11	5.78	4.31	5.21	1.97	0.70	280	16	<10	12	18	26	<5
CQ01052		3	<5	3	31.08	<.5	209	9	82	2	79	26	<1.0	<5	<5	<5	4.87	811	<25	309	105	157	<20	<20	38	5.47	2.50	3.51	2.90	1.05	308	14	10	17	12	9	<5
CQ01053		2	<5	3	31.79	<.5	137	9	84	<1	62	31	<1.0	<5	<5	<5	6.48	1275	<25	196	148	216	<20	<20	15	5.86	3.53	4.71	2.26	0.98	287	18	<10	17	14	20	<5
CQ01054		1	7	2	30.62	<.5	129	11	102	2	73	27	<1.0	<5	6	<5	6.75	1284	<25	278	108	177	<20	<20	18	6.52	3.63	4.45	2.27	1.14	306	17	13	18	10	13	<5
CQ01055		3	<5	3	31.19	<.5	235	9	84	<1	98	30	<1.0	<5	5	<5	6.07	1032	<25	309	136	197	<20	<20	20	6.47	3.48	4.23	2.50	1.04	278	17	<10	19	12	18	<5
CQ01056		2	8	7	31.79	<.5	1274	11	94	2	618	40	<1.0	<5	<5	<5	7.28	1229	<25	236	88	239	<20	<20	16	6.60	3.59	5.19	2.27	0.89	338	20	<10	18	15	21	<5
CQ01057		4	8	11	32.80	0.6	924	14	112	<1	396	23	<1.0	<5	<5	<5	4.87	666	<25	469	94	108	<20	<20	22	5.58	3.02	1.75	3.14	1.33	241	12	<10	18	7	6	<5



BONDAR CLEGG



Geochemical I Report

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PROJECT: XCAQUENI.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 38(6/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01023		0.61	48	0.062
CQ01024		0.79	56	0.078
CQ01025		0.11	36	5.202
CQ01026		0.73	58	0.067
CQ01027		0.65	62	0.084
CQ01028		0.67	59	0.056
CQ01029		0.73	70	0.062
CQ01030		0.79	77	0.059
CQ01031		0.55	40	0.722
CQ01032		0.61	51	0.333
CQ01033		0.87	66	0.074
CQ01034		0.74	61	0.073
CQ01035		0.70	56	0.153
CQ01036		0.71	60	0.068
CQ01037		0.84	61	0.108
CQ01038		0.72	64	0.085
CQ01039		0.67	57	0.127
CQ01040		0.67	61	0.185
CQ01042		0.71	60	0.179
CQ01043		0.67	55	0.206
CQ01044		0.72	57	0.118
CQ01045		0.65	58	0.080
CQ01046		0.57	49	0.762
CQ01051		0.71	35	0.200
CQ01052		0.45	88	0.143
CQ01053		0.63	59	0.118
CQ01054		0.41	64	0.080
CQ01055		0.57	68	0.105
CQ01056		0.64	49	0.432
CQ01057		0.45	69	0.314



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DATE PRINTED: 19-JUL-01

PAGE 4A(7/16)

PROJECT: XCAQUENI.3712

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CQ01058		1	<5	<1	32.73	<.5	58	15	70	6	46	13	<1.0	<5	<5	<5	2.62	339	<25	426	163	69	<20	<20	20	4.10	1.95	0.73	3.36	1.59	168	9	11	20	5	<5	<5
CQ01059		1	<5	1	30.24	<.5	18	17	99	<1	79	18	<1.0	<5	<5	<5	3.70	765	<25	562	156	79	<20	<20	14	5.40	3.16	1.36	3.29	1.59	158	10	16	17	<5	6	<5
CQ01060		<1	<5	<1	30.63	<.5	27	16	24	1	15	5	<1.0	<5	<5	<5	1.17	187	<25	597	183	26	<20	<20	10	3.58	0.44	1.37	3.43	1.21	190	6	12	14	<5	<5	<5
CQ01061		17	<5	<1	32.71	<.5	25	16	19	<1	12	4	<1.0	<5	<5	<5	0.99	166	<25	562	220	22	<20	<20	9	3.39	0.27	1.59	3.58	1.25	205	6	13	11	<5	<5	<5
CQ01062		2	<5	<1	30.86	<.5	27	13	24	<1	15	5	<1.0	<5	9	<5	1.19	191	<25	569	189	27	<20	<20	11	3.56	0.39	1.57	3.56	1.20	176	7	12	14	<5	<5	<5
CQ01063		1	<5	<1	30.45	<.5	64	10	59	2	18	13	<1.0	<5	6	<5	2.60	506	<25	524	183	73	<20	<20	15	4.08	1.70	1.20	2.82	1.61	159	9	<10	18	7	<5	<5
CQ01064		2	<5	<1	31.98	<.5	35	16	105	1	44	19	<1.0	<5	8	<5	4.08	433	<25	554	261	87	<20	<20	45	4.93	2.02	0.54	1.58	2.12	129	14	14	49	11	<5	<5
CQ01065		<1	<5	<1	31.80	<.5	74	25	95	2	59	18	<1.0	<5	7	<5	4.23	221	<25	131	282	50	<20	<20	46	4.52	0.90	0.57	1.46	2.24	163	17	16	25	<5	<5	<5
CQ01066		2	5	5	32.55	<.5	62	24	116	2	59	19	<1.0	<5	5	<5	4.09	189	<25	171	309	65	<20	<20	48	4.25	1.04	0.43	1.13	2.30	135	17	15	27	<5	<5	<5
CQ01067		<1	<5	3	30.60	<.5	42	26	104	2	47	19	<1.0	<5	<5	<5	3.78	376	<25	455	283	79	<20	<20	38	4.11	1.64	0.49	1.58	1.82	145	12	15	48	<5	<5	<5
CQ01068		<1	<5	<1	31.61	<.5	59	17	93	<1	40	18	<1.0	<5	<5	<5	3.47	467	<25	587	264	72	<20	<20	38	4.10	1.69	0.51	1.76	2.04	95	12	14	43	9	<5	<5
CQ01069		1	8	<1	30.73	<.5	81	15	98	1	50	21	<1.0	<5	<5	<5	4.40	519	<25	270	236	114	<20	<20	33	4.95	2.35	2.30	1.88	1.65	271	13	14	37	8	7	<5
CQ01070		<1	<5	<1	32.26	<.5	45	18	93	2	44	19	<1.0	<5	<5	<5	3.79	440	<25	661	226	98	<20	<20	32	4.52	2.50	1.24	1.79	2.13	310	13	<10	33	12	5	<5
CQ01071		2	<5	<1	32.91	<.5	22	20	99	<1	125	21	<1.0	<5	5	<5	3.44	534	<25	>2000	232	77	<20	<20	41	5.44	3.46	2.33	1.33	2.30	847	21	<10	29	14	5	<5
CQ01072		<1	6	2	32.74	<.5	66	15	132	<1	105	29	<1.0	<5	<5	<5	5.60	899	<25	715	254	172	<20	<20	35	5.37	4.34	4.05	1.21	2.08	646	23	<10	26	18	11	<5
CQ01073		1	<5	2	32.20	<.5	50	27	115	<1	53	20	<1.0	<5	<5	<5	3.90	303	<25	377	216	81	<20	<20	38	4.87	1.95	0.73	1.64	2.44	306	14	13	40	9	<5	<5
CQ01074		2	<5	3	32.40	<.5	55	23	105	3	44	17	<1.0	<5	<5	<5	3.99	243	<25	199	255	73	<20	<20	36	4.11	1.21	0.44	1.23	1.98	124	12	15	34	<5	<5	<5
CQ01075		49	77	173	15.35	<.5	705	9	132	<1	13840	307	2.0	<5	9	<5	>10.00	1064	<25	53	262	35	<20	<20	11	1.95	>10.00	0.93	0.63	0.44	56	10	<10	16	<5	<5	<5
CQ01076		<1	<5	4	32.10	<.5	76	26	153	1	73	23	<1.0	<5	<5	<5	5.33	237	<25	95	192	90	<20	<20	48	4.58	1.45	0.45	1.11	2.47	109	17	15	35	6	<5	<5
CQ01077		<1	<5	4	31.47	<.5	71	17	124	<1	68	22	<1.0	<5	<5	<5	4.64	176	<25	109	246	77	<20	<20	55	8.34	1.12	0.46	1.03	1.38	90	15	16	33	<5	<5	<5
CQ01078		<1	<5	6	32.41	<.5	90	24	129	3	70	21	<1.0	<5	8	<5	3.98	138	<25	118	217	63	<20	<20	54	6.94	0.89	0.44	0.90	1.52	85	15	16	28	<5	<5	<5
CQ01079		<1	<5	4	31.09	<.5	81	24	108	3	62	19	<1.0	<5	<5	<5	4.21	155	<25	112	246	67	<20	<20	41	6.60	1.02	0.43	1.04	1.60	103	13	16	31	<5	<5	<5
CQ01080		<1	5	<1	31.53	<.5	78	24	98	2	66	20	<1.0	<5	<5	<5	4.02	137	<25	123	346	63	<20	<20	47	6.88	0.95	0.46	1.04	1.73	119	14	13	27	<5	<5	<5
CQ01081		4	<5	1	30.85	<.5	79	22	98	4	62	19	<1.0	<5	5	<5	3.95	137	<25	157	269	63	<20	<20	47	6.84	0.93	0.46	1.02	1.64	119	14	14	27	<5	<5	<5
CQ01082		2	<5	<1	30.81	<.5	78	23	100	2	66	20	<1.0	<5	<5	<5	4.06	138	<25	155	342	66	<20	<20	46	6.78	0.95	0.47	1.06	1.75	115	13	13	27	<5	<5	<5
CQ01083		1	<5	3	31.10	<.5	56	21	70	13	45	16	<1.0	<5	<5	<5	3.14	119	<25	457	391	57	<20	<20	32	6.06	0.65	0.45	1.13	2.01	92	7	10	21	<5	<5	<5
CQ01084		2	5	1	32.77	<.5	41	17	104	1	35	17	<1.0	<5	8	5	3.41	155	<25	445	299	82	<20	<20	39	6.94	1.05	0.41	0.86	1.61	62	10	<10	34	6	<5	<5
CQ01085		<1	<5	<1	32.76	<.5	85	25	128	1	50	23	<1.0	<5	<5	<5	4.26	233	<25	382	217	90	<20	<20	31	7.38	1.03	0.20	0.83	1.71	60	9	<10	42	10	<5	<5
CQ01086		3	<5	2	32.19	<.5	66	24	122	<1	43	19	<1.0	<5	<5	<5	3.78	210	<25	506	267	84	<20	<20	38	6.97	1.04	0.24	0.84	1.86	65	9	<10	38	9	<5	<5
CQ01087		3	<5	2	32.50	<.5	64	20	85	<1	46	22	<1.0	<5	8	<5	3.91	145	<25	290	223	90	<20	<20	26	4.22	0.95	0.21	0.89	1.50	61	8	13	46	7	<5	<5



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DATE RECEIVED: 23-MAY-01

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PROJECT: XCAQUENI.3712
 PAGE 48(8/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01058		0.31	81	0.040
CQ01059		0.27	56	0.029
CQ01060		0.10	47	0.020
CQ01061		0.08	50	0.023
CQ01062		0.10	47	0.018
CQ01063		0.27	53	0.099
CQ01064		0.45	101	0.579
CQ01065		0.13	192	2.144
CQ01066		0.17	206	1.905
CQ01067		0.33	144	0.875
CQ01068		0.37	85	0.578
CQ01069		0.39	98	1.169
CQ01070		0.41	106	0.663
CQ01071		0.59	326	0.243
CQ01072		0.62	176	0.640
CQ01073		0.41	86	0.965
CQ01074		0.23	183	1.485
CQ01075		0.11	35	5.484
CQ01076		0.25	144	2.446
CQ01077		0.19	156	2.351
CQ01078		0.14	178	2.207
CQ01079		0.16	179	2.163
CQ01080		0.18	166	1.905
CQ01081		0.17	175	1.889
CQ01082		0.19	168	1.909
CQ01083		0.22	309	1.027
CQ01084		0.33	196	0.905
CQ01085		0.42	94	1.071
CQ01086		0.43	96	0.940
CQ01087		0.37	96	1.449



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUEN1.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 5A(9/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01088		3	<5	1	31.70	<.5	51	24	32	2	30	15	<1.0	<5	<5	<5	3.18	146	<25	393	234	66	<20	<20	42	7.75	0.91	0.17	0.95	1.90	68	11	12	38	<5	<5	<5	
CQ01089		3	<5	2	30.12	<.5	52	13	93	2	33	25	<1.0	<5	6	<5	5.31	503	<25	381	270	105	<20	<20	38	7.41	1.39	1.44	0.76	1.68	95	17	<10	42	13	<5	<5	



BONDAR CLEGG



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 58(10/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ01088		0.27	213	0.998
CQ01089		0.75	92	1.054



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 6A(11/16)

PROJECT: XCAQJEN1.3712

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
ANALYTICAL BLANK		<1	<5	<1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		2	<5	1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	6	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		1	<5	<1	-	<.5	<1	<2	<2	<1	3	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		1	<5	<1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		2	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		6	6	6	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mean Value		1	3	<1	-	0.3	<1	1	1	<1	1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	<0.01	<0.01	<0.01	<0.01	<0.01	<1	3	5	1	3	3	3	
Standard Deviation		<1	-	<1	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<0.01	-	<0.01	<1	<1	<1	<1	<1	<1	<1	
ST 248		1081	116	671	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		1038	102	677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		1022	105	709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		1047	108	686	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		31	8	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET LKSD-2		-	-	-	-	<.5	34	37	207	1	25	18	1.0	<5	9	<5	4.03	1827	<25	647	35	71	<20	<20	54	4.09	1.00	1.45	1.38	1.89	210	36	<10	22	9	<5	<5	
CANMET LKSD-2		-	-	-	-	<.5	36	42	216	<1	26	19	1.1	<5	11	<5	3.96	1825	<25	653	38	72	<20	<20	60	5.87	0.95	1.43	1.29	1.83	189	38	<10	21	11	<5	<5	
Number of Analyses		-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mean Value		-	-	-	-	0.3	35	39	212	<1	26	19	1.0	3	10	3	3.99	1826	13	650	36	71	10	10	57	4.98	0.98	1.44	1.33	1.86	200	37	5	22	10	3	3	
Standard Deviation		-	-	-	-	-	1	4	7	<1	<1	<1	<0.1	-	1	-	0.05	1	-	4	2	<1	-	-	4	1.25	0.03	0.01	0.06	0.04	15	2	-	<1	1	-		
Accepted Value		-	-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	



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REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUEN1.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 68(12/16)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		-	-	-
ANALYTICAL BLANK		-	-	-
Number of Analyses		4	4	4
Mean Value		<.01	3	0.001
Standard Deviation		-	-	-
Accepted Value		<.01	<1	<.001
ST 248		-	-	-
ST 248		-	-	-
ST 248		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-
CANMET LKSD-2		0.36	138	0.149
CANMET LKSD-2		0.35	123	0.148
Number of Analyses		2	2	2
Mean Value		0.35	130	0.148
Standard Deviation		<.01	11	0.001
Accepted Value		0.40	128	0.140



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 7A(13/16)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sr PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM			
ST 260		871	2286	1593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		933	2347	1583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		894	2198	1508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		899	2277	1561	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		31	75	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET STSD-4		-	-	-	-	<.5	66	15	96	1	27	15	<1.0	<5	16	6	3.73	1401	<25	1639	61	96	<20	<20	19	4.21	1.26	2.64	1.90	1.24	360	20	<10	15	9	6	<5				
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.3	66	15	96	1	27	15	0.5	3	16	6	3.73	1401	13	1639	61	96	10	10	19	4.21	1.26	2.64	1.90	1.24	360	20	5	15	9	6	3				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1				
GS91-1		-	-	-	-	0.6	89	5	82	<1	36	22	<1.0	<5	10	<5	4.61	790	<25	527	79	184	<20	<20	10	4.42	1.98	1.89	1.71	0.99	224	14	<10	28	14	9	<5				
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.6	89	5	82	<1	36	22	0.5	3	10	3	4.61	790	13	527	79	184	10	10	10	4.42	1.98	1.89	1.71	0.99	224	14	5	28	14	9	3				
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1				



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REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PROJECT: XCAQUENI.3712
PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ST 260		-	-	-
ST 260		-	-	-
ST 260		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

CANMET STSD-4	0.45	53	0.091
Number of Analyses	1	1	1
Mean Value	0.45	53	0.091
Standard Deviation	-	-	-
Accepted Value	0.46	53	0.090

GS91-1	0.56	50	0.030
Number of Analyses	1	1	1
Mean Value	0.56	50	0.030
Standard Deviation	-	-	-
Accepted Value	0.51	60	0.030



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PROJECT: XCAQUEN1.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 8A(15/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ00965		<1	<5	<1	31.60	<.5	39	<2	65	2	55	43	<1.0	<5	<5	<5	7.31	973	<25	214	123	138	<20	<20	17	7.99	3.70	5.55	2.57	0.57	361	23	<10	10	<5	11	<5
Duplicate		1	<5	<1		<.5	38	<2	63	<1	52	42	<1.0	<5	<5	<5	7.17	966	<25	207	119	137	<20	<20	17	7.42	3.55	5.40	2.51	0.58	360	22	<10	10	5	10	<5
CQ00983		2	<5	<1	31.28	<.5	16	<2	57	<1	143	39	<1.0	<5	<5	<5	5.86	791	<25	169	67	77	<20	<20	13	7.01	4.85	5.23	2.23	0.58	359	16	<10	14	<5	7	<5
Duplicate						<.5	15	<2	54	<1	141	38	<1.0	<5	6	<5	5.63	761	<25	165	71	77	<20	<20	13	6.29	4.54	5.02	2.15	0.60	354	16	<10	14	<5	6	<5
CQ00989		<1	<5	1	30.18	<.5	35	<2	70	<1	212	45	<1.0	<5	<5	<5	6.68	978	<25	133	64	67	<20	<20	13	7.15	6.01	5.85	1.71	0.43	305	16	<10	17	<5	7	<5
Duplicate		<1	<5	<1																																	
CQ01003		<1	<5	<1	31.77	<.5	27	4	58	<1	180	39	<1.0	<5	<5	<5	6.65	916	<25	162	70	69	<20	<20	14	8.08	5.13	5.65	2.18	0.51	364	18	<10	6	<5	8	<5
Duplicate						<.5	26	<2	57	<1	176	38	<1.0	<5	<5	<5	6.44	903	<25	157	67	71	<20	<20	14	7.67	5.11	5.55	2.19	0.53	373	17	<10	6	<5	7	<5
CQ01012		<1	<5	<1	32.36	<.5	22	3	51	2	152	35	<1.0	<5	6	<5	5.30	722	<25	157	56	67	<20	<20	13	8.43	4.59	5.88	2.24	0.51	406	17	<10	10	<5	7	<5
Duplicate		1	<5	<1																																	
CQ01020		1	<5	<1	31.04	<.5	80	<2	53	<1	291	42	<1.0	<5	<5	<5	6.04	805	<25	146	45	72	<20	<20	13	7.51	5.57	5.38	2.20	0.46	380	16	<10	6	<5	6	<5
Duplicate						<.5	80	<2	53	<1	294	42	<1.0	<5	<5	<5	5.97	809	<25	147	43	73	<20	<20	13	7.38	5.32	5.42	2.22	0.47	383	17	<10	6	<5	6	<5
CQ01035		1	<5	<1	31.87	<.5	69	3	57	2	334	44	<1.0	<5	<5	<5	6.36	841	<25	150	51	70	<20	<20	13	7.41	5.75	5.48	2.08	0.47	383	17	<10	8	<5	5	<5
Duplicate		2	<5	<1																																	
CQ01040		<1	<5	<1	32.94	<.5	79	<2	51	<1	287	41	<1.0	<5	<5	<5	5.76	774	<25	145	52	73	<20	<20	13	7.38	4.88	5.65	2.25	0.47	387	17	<10	6	<5	5	<5
Duplicate						<.5	75	<2	50	<1	275	40	<1.0	<5	<5	<5	5.58	751	<25	141	52	70	<20	<20	13	7.88	5.13	5.49	2.20	0.46	368	17	<10	5	<5	6	<5
CQ01062		2	<5	<1	30.86	<.5	27	13	24	<1	15	5	<1.0	<5	9	<5	1.19	191	<25	569	189	27	<20	<20	11	3.56	0.39	1.57	3.56	1.20	176	7	12	14	<5	<5	<5
Duplicate						<.5	26	15	24	<1	17	5	<1.0	<5	6	<5	1.14	186	<25	609	187	25	<20	<20	10	3.46	0.43	1.33	3.31	1.16	186	7	11	13	<5	<5	<5
CQ01063		1	<5	<1	30.45	<.5	64	10	59	2	18	13	<1.0	<5	6	<5	2.60	506	<25	524	183	73	<20	<20	15	4.08	1.70	1.20	2.82	1.61	159	9	<10	18	7	<5	<5
Duplicate		1	<5	<1																																	
CQ01082		2	<5	<1	30.81	<.5	78	23	100	2	66	20	<1.0	<5	<5	<5	4.06	138	<25	155	342	66	<20	<20	46	6.78	0.95	0.47	1.06	1.75	115	13	13	27	<5	<5	<5
Duplicate						<.5	77	23	98	2	64	20	<1.0	<5	<5	<5	4.00	133	<25	145	384	64	<20	<20	49	7.32	0.92	0.52	1.05	1.81	106	14	14	26	<5	<5	<5
CQ01086		3	<5	2	32.19	<.5	66	24	122	<1	43	19	<1.0	<5	<5	<5	3.78	210	<25	506	267	84	<20	<20	38	6.97	1.04	0.24	0.84	1.86	65	9	<10	38	9	<5	<5
Duplicate		2	<5	2																																	



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUENI.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 88(16/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00965		1.23	61	0.105
Duplicate		1.16	62	0.102
CQ00983		0.76	65	0.088
Duplicate		0.76	68	0.084
CQ00989		0.64	52	0.093
Duplicate				
CQ01003		0.65	62	0.075
Duplicate		0.64	62	0.072
CQ01012		0.65	60	0.072
Duplicate				
CQ01020		0.74	59	0.129
Duplicate		0.72	60	0.134
CQ01035		0.70	56	0.153
Duplicate				
CQ01040		0.67	61	0.185
Duplicate		0.72	64	0.183
CQ01062		0.10	47	0.018
Duplicate		0.10	49	0.020
CQ01063		0.27	53	0.099
Duplicate				
CQ01082		0.19	168	1.909
Duplicate		0.18	159	1.890
CQ01086		0.43	96	0.940
Duplicate				



BONDAR CLEGG



WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical Laboratory Report

REPORT: V01-00872.0 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: G. BROWN/K. WINTER

PROJECT: XCAQUENI.3712

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD		
010601	1 Au	Au - FA35/36	122	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP	010601	37 Ti	Ti - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010601	2 Pt	Pt - FA36	122	5 PPB	FIRE ASSAY	FIRE ASSAY-ICP	010601	38 Zr	Zr - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010601	3 Pd	Pd - FA36	122	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP	010601	39 S	S - IC30	122	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010601	4 Au	Wt1 Test Weight	122	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA							
010601	5 Ag	Ag - IC30	122	0.5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	6 Cu	Cu - IC30	122	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	7 Pb	Pb - IC30	122	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	8 Zn	Zn - IC30	122	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	9 Mo	Mo - IC30	122	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	10 Ni	Ni - IC30	122	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	11 Co	Co - IC30	122	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	12 Cd	Cd - IC30	122	1.0 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	13 Bi	Bi - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	14 As	As - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	15 Sb	Sb - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	16 Fe	Tot Fe - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	17 Mn	Mn - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	18 Te	Te - IC30	122	25 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	19 Ba	Ba - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	20 Cr	Cr - IC30	122	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	21 V	V - IC30	122	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	22 Sn	Sn - IC30	122	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	23 W	W - IC30	122	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	24 La	La - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	25 Al	Al - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	26 Mg	Mg - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	27 Ca	Ca - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	28 Na	Na - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	29 K	K - IC30	122	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	30 Sr	Sr - IC30	122	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	31 Y	Y - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	32 Ga	Ga - IC30	122	10 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	33 Li	Li - IC30	122	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	34 Nb	Nb - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	35 Sc	Sc - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							
010601	36 Ta	Ta - IC30	122	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA							

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	119	? -200	118	TOTAL SAMPLE PREP	112
P PREPARED PULP	3	4 AS RECEIVED	3	SAMPLE SPLITS	6
		2 -150	1	PULP VERIFICATION	3

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Due to high Ni, sample weights for Au, Pt, Pd were reduced. Please note that this is a Correction Certificate and that all results contained herein are to supersede any and all previously reported. Due to a sample mix-up during sample prep, the original results for samples CQ00975 & CQ00976 were in error. BMW 07-18-01 NCA2852,53.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical L Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUENI.3712

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 1A(1/16)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective values and units.



BONDAR CLEGG



Geochemical L Report

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PROJECT: XCAQUENI.3712
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SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00963	2.03	74	0.129	
CQ00964	1.49	72	0.103	
CQ00965	1.23	61	0.105	
CQ00966	1.49	72	0.101	
CQ00967	1.24	73	0.111	
CQ00968	1.16	68	0.097	
CQ00969	0.96	56	0.093	
CQ00970	1.05	69	0.093	
CQ00971	0.95	72	0.100	
CQ00972	0.90	48	0.122	
CQ00973	1.65	99	0.194	
CQ00974	0.72	66	0.160	
CQ00975	0.05	41	5.849	
CQ00976	0.46	31	0.179	
CQ00977	0.78	76	0.082	
CQ00978	0.80	77	0.133	
CQ00979	0.71	59	0.076	
CQ00980	0.75	61	0.073	
CQ00981	0.81	65	0.069	
CQ00982	0.76	61	0.068	
CQ00983	0.76	65	0.088	
CQ00984	0.78	47	0.090	
CQ00985	0.75	50	0.081	
CQ00986	0.70	55	0.074	
CQ00987	0.59	47	0.088	
CQ00988	0.65	63	0.082	
CQ00989	0.64	52	0.093	
CQ00990	0.77	71	0.112	
CQ00991	0.71	57	0.056	
CQ00992	0.79	60	0.072	



BONDAR CLEGG



VANCOUVER BRANCH

Geochemical Lab Report

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PROJECT: XCAQUEN1.3712

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 2A(3/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ00993	<1	<5	<1	31.25	<.5	22	<2	55	<1	146	36	<1.0	<5	6	<5	5.88	792	<25	190	38	81	<20	<20	15	7.45	4.29	5.31	2.35	0.64	388	19	<10	9	<5	5	<5	
CQ00994	<1	<5	<1	32.91	<.5	34	5	59	<1	188	41	<1.0	<5	<5	<5	6.75	920	<25	153	54	72	<20	<20	14	7.44	5.64	5.37	2.14	0.55	363	17	<10	9	<5	7	<5	
CQ00995	1	<5	<1	30.48	<.5	34	4	60	2	159	39	<1.0	<5	<5	<5	6.42	900	<25	180	43	74	<20	<20	14	7.43	4.64	5.49	2.17	0.55	371	18	<10	12	<5	<5	<5	
CQ00996	<1	<5	<1	32.22	<.5	28	<2	53	2	126	34	<1.0	<5	<5	<5	5.82	838	<25	183	58	77	<20	<20	14	7.53	3.81	5.81	2.30	0.56	382	18	<10	7	<5	6	<5	
CQ00997	<1	<5	<1	32.83	<.5	57	5	65	<1	100	38	<1.0	<5	9	<5	6.87	1006	<25	191	22	54	<20	<20	14	7.01	4.33	5.19	2.31	0.53	366	17	<10	8	<5	<5	<5	
CQ00998	<1	<5	<1	31.39	<.5	22	<2	95	2	8	33	<1.0	<5	14	<5	9.04	1588	<25	486	60	62	<20	<20	54	5.23	1.62	3.74	3.31	1.02	198	65	<10	6	9	10	<5	
CQ00999	<1	<5	<1	31.19	<.5	28	2	61	<1	149	41	<1.0	<5	<5	<5	6.53	917	<25	217	50	88	<20	<20	17	7.43	4.72	5.46	2.38	0.62	375	20	<10	8	<5	6	<5	
CQ01000	<1	<5	<1	30.46	<.5	16	<2	52	<1	156	34	<1.0	<5	6	<5	5.64	809	<25	159	87	77	<20	<20	14	7.43	4.54	5.65	2.23	0.55	369	18	<10	8	<5	8	<5	
CQ01001	1	<5	<1	31.02	<.5	18	2	53	<1	161	35	<1.0	<5	<5	<5	5.70	809	<25	163	75	76	<20	<20	14	7.42	4.55	5.57	2.18	0.53	367	17	<10	8	<5	8	<5	
CQ01002	<1	<5	<1	31.83	<.5	18	<2	55	<1	166	37	<1.0	<5	7	<5	6.05	863	<25	172	82	78	<20	<20	15	8.15	4.74	5.99	2.23	0.53	375	19	<10	8	<5	9	<5	
CQ01003	<1	<5	<1	31.77	<.5	27	4	58	<1	180	39	<1.0	<5	<5	<5	6.65	916	<25	162	70	69	<20	<20	14	8.08	5.13	5.65	2.18	0.51	364	18	<10	6	<5	8	<5	
CQ01004	1	<5	<1	30.13	<.5	33	5	57	1	162	37	<1.0	<5	<5	<5	6.58	905	<25	162	68	63	<20	<20	13	8.24	4.79	5.53	2.26	0.48	381	17	<10	6	<5	6	<5	
CQ01005	1	<5	<1	30.56	<.5	46	2	59	<1	159	40	<1.0	<5	<5	<5	6.97	954	<25	148	54	59	<20	<20	12	7.96	4.81	5.40	2.13	0.44	373	15	<10	8	<5	5	<5	
CQ01006	1	<5	<1	32.13	<.5	27	3	56	<1	151	36	<1.0	<5	<5	<5	6.04	843	<25	164	52	65	<20	<20	14	8.02	4.65	5.66	2.15	0.53	383	17	<10	9	<5	6	<5	
CQ01007	<1	<5	<1	32.00	<.5	38	2	55	<1	134	35	<1.0	<5	<5	<5	5.54	768	<25	155	65	72	<20	<20	13	8.02	4.23	5.71	2.24	0.52	375	17	<10	8	<5	7	<5	
CQ01008	3	<5	2	32.30	<.5	53	<2	49	<1	113	33	<1.0	<5	7	<5	5.84	848	<25	117	36	60	<20	<20	12	7.78	4.60	5.46	2.18	0.52	340	14	<10	19	<5	6	<5	
CQ01009	1	<5	<1	32.46	<.5	48	<2	48	<1	141	34	<1.0	<5	<5	<5	5.58	766	<25	145	50	63	<20	<20	12	7.27	3.97	5.43	2.24	0.53	384	14	<10	9	<5	<5	<5	
CQ01010	3	20	<1	30.26	<.5	51	4	49	<1	152	34	<1.0	<5	<5	<5	5.62	773	<25	144	44	59	<20	<20	12	7.65	4.52	5.31	2.25	0.54	382	15	<10	10	<5	<5	<5	
CQ01011	<1	<5	1	30.34	<.5	26	3	53	1	159	36	<1.0	<5	<5	<5	5.74	786	<25	146	53	65	<20	<20	13	8.03	4.93	5.57	2.16	0.52	393	16	<10	8	<5	6	<5	
CQ01012	<1	<5	<1	32.36	<.5	22	3	51	2	152	35	<1.0	<5	6	<5	5.30	722	<25	157	56	67	<20	<20	13	8.43	4.59	5.88	2.24	0.51	406	17	<10	10	<5	7	<5	
CQ01013	1	<5	<1	31.38	<.5	30	<2	46	<1	153	35	<1.0	<5	<5	<5	5.26	717	<25	167	47	73	<20	<20	14	8.73	3.94	6.03	2.38	0.47	436	18	<10	7	<5	6	<5	
CQ01014	<1	<5	1	32.58	<.5	29	<2	49	<1	195	37	<1.0	<5	<5	<5	5.64	770	<25	140	68	71	<20	<20	12	8.12	4.90	5.88	2.21	0.43	390	16	<10	7	<5	8	<5	
CQ01015	<1	<5	<1	30.17	<.5	24	<2	52	<1	189	39	<1.0	<5	<5	<5	6.10	847	<25	128	53	62	<20	<20	13	7.83	5.61	5.46	2.03	0.48	365	16	<10	14	<5	5	<5	
CQ01016	<1	<5	<1	32.04	<.5	24	<2	46	<1	162	35	<1.0	<5	<5	<5	5.33	721	<25	142	66	68	<20	<20	12	8.21	4.59	5.76	2.23	0.45	405	16	<10	8	<5	7	<5	
CQ01017	1	<5	1	30.99	<.5	27	<2	49	<1	202	37	<1.0	<5	<5	<5	5.45	732	<25	145	48	67	<20	<20	12	6.79	4.49	5.20	2.25	0.48	379	15	<10	6	<5	<5	<5	
CQ01018	2	<5	<1	32.84	<.5	27	<2	50	<1	184	40	<1.0	<5	<5	<5	5.62	776	<25	143	71	72	<20	<20	13	6.72	4.85	5.40	2.26	0.47	378	16	<10	5	<5	<5	<5	
CQ01019	1	<5	<1	30.48	<.5	28	<2	45	<1	173	35	<1.0	<5	<5	<5	4.99	691	<25	142	77	74	<20	<20	13	6.03	4.07	5.08	2.15	0.56	359	16	<10	8	<5	<5	<5	
CQ01020	1	<5	<1	31.04	<.5	80	<2	53	<1	291	42	<1.0	<5	<5	<5	6.04	805	<25	146	45	72	<20	<20	13	7.51	5.57	5.38	2.20	0.46	380	16	<10	6	<5	6	<5	
CQ01021	2	<5	1	32.21	<.5	133	<2	58	<1	444	48	<1.0	<5	<5	<5	6.58	843	<25	146	57	73	<20	<20	13	7.71	6.04	5.44	2.14	0.46	369	17	<10	6	<5	6	<5	
CQ01022	1	<5	1	31.27	<.5	81	2	53	2	294	43	<1.0	<5	<5	<5	6.05	810	<25	148	49	72	<20	<20	13	7.51	5.45	5.38	2.15	0.44	375	16	<10	6	<5	6	<5	



BONDAR CLEGG



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
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PROJECT: XCAQUENI.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 2B(4/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00993		0.89	75	0.074
CQ00994		0.71	61	0.074
CQ00995		0.76	66	0.083
CQ00996		0.73	58	0.073
CQ00997		0.58	58	0.087
CQ00998		1.23	233	0.111
CQ00999		0.80	73	0.081
CQ01000		0.71	67	0.066
CQ01001		0.69	65	0.072
CQ01002		0.71	66	0.072
CQ01003		0.65	62	0.075
CQ01004		0.60	61	0.073
CQ01005		0.56	48	0.079
CQ01006		0.62	60	0.072
CQ01007		0.71	61	0.084
CQ01008		0.59	52	0.050
CQ01009		0.61	53	0.085
CQ01010		0.64	57	0.078
CQ01011		0.66	54	0.078
CQ01012		0.65	60	0.072
CQ01013		0.71	67	0.092
CQ01014		0.67	56	0.071
CQ01015		0.63	53	0.059
CQ01016		0.59	53	0.073
CQ01017		0.66	59	0.065
CQ01018		0.70	61	0.059
CQ01019		0.71	64	0.062
CQ01020		0.74	59	0.129
CQ01021		0.72	59	0.258
CQ01022		0.71	56	0.133



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Geochemical Laboratory Report

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PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective values and units.



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PROJECT: XCAQUENI.3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 38(6/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01023		0.61	48	0.062
CQ01024		0.79	56	0.078
CQ01025		0.11	36	5.202
CQ01026		0.73	58	0.067
CQ01027		0.65	62	0.084
CQ01028		0.67	59	0.056
CQ01029		0.73	70	0.062
CQ01030		0.79	77	0.059
CQ01031		0.55	40	0.722
CQ01032		0.61	51	0.333
CQ01033		0.87	66	0.074
CQ01034		0.74	61	0.073
CQ01035		0.70	56	0.153
CQ01036		0.71	60	0.068
CQ01037		0.84	61	0.108
CQ01038		0.72	64	0.085
CQ01039		0.67	57	0.127
CQ01040		0.67	61	0.185
CQ01042		0.71	60	0.179
CQ01043		0.67	55	0.206
CQ01044		0.72	57	0.118
CQ01045		0.65	58	0.080
CQ01046		0.57	49	0.762
CQ01051		0.71	35	0.200
CQ01052		0.45	88	0.143
CQ01053		0.63	59	0.118
CQ01054		0.41	64	0.080
CQ01055		0.57	68	0.105
CQ01056		0.64	49	0.432
CQ01057		0.45	69	0.314



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Geochemical Laboratory Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 4A(7/16)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective values and units.



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CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 4B(8/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti Zr S		
		PCT	PPM	PCT
CQ01058	0.31	81	0.040	
CQ01059	0.27	56	0.029	
CQ01060	0.10	47	0.020	
CQ01061	0.08	50	0.023	
CQ01062	0.10	47	0.018	
CQ01063	0.27	53	0.099	
CQ01064	0.45	101	0.579	
CQ01065	0.13	192	2.144	
CQ01066	0.17	206	1.905	
CQ01067	0.33	144	0.875	
CQ01068	0.37	85	0.578	
CQ01069	0.39	98	1.169	
CQ01070	0.41	106	0.663	
CQ01071	0.59	326	0.243	
CQ01072	0.62	176	0.640	
CQ01073	0.41	86	0.965	
CQ01074	0.23	183	1.485	
CQ01075	0.11	35	5.484	
CQ01076	0.25	144	2.446	
CQ01077	0.19	156	2.351	
CQ01078	0.14	178	2.207	
CQ01079	0.16	179	2.163	
CQ01080	0.18	166	1.905	
CQ01081	0.17	175	1.889	
CQ01082	0.19	168	1.909	
CQ01083	0.22	309	1.027	
CQ01084	0.33	196	0.905	
CQ01085	0.42	94	1.071	
CQ01086	0.43	96	0.940	
CQ01087	0.37	96	1.449	



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
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DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 5A(9/16)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01088		3	<5	1	31.70	<.5	51	24	32	2	30	15	<1.0	<5	<5	<5	3.18	146	<25	393	234	66	<20	<20	42	7.75	0.91	0.17	0.95	1.90	68	11	12	38	<5	<5	<5	
CQ01089		3	<5	2	30.12	<.5	52	13	93	2	33	25	<1.0	<5	6	<5	5.31	503	<25	381	270	105	<20	<20	38	7.41	1.39	1.44	0.76	1.68	95	17	<10	42	13	<5	<5	



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Geochemical Laboratory Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.3712

REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PAGE 5B(10/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ01088		0.27	213	0.998
CQ01089		0.75	92	1.054



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: VD1-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 6A(11/16)

PROJECT: XCAQUENI.3712

Table with columns for STANDARD NAME, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with corresponding values in PPM, PCT, or other units.

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
 REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PROJECT: XCAQUENI.3712
 PAGE 68(12/16)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		<.01	<5	<.002
ANALYTICAL BLANK		-	-	-
ANALYTICAL BLANK		-	-	-
Number of Analyses		4	4	4
Mean Value		<.01	3	0.001
Standard Deviation		-	-	-
Accepted Value		<.01	<1	<.001
ST 248		-	-	-
ST 248		-	-	-
ST 248		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-
CANMET LKSD-2		0.36	138	0.149
CANMET LKSD-2		0.35	123	0.148
Number of Analyses		2	2	2
Mean Value		0.35	130	0.148
Standard Deviation		<.01	11	0.001
Accepted Value		0.40	128	0.140

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
 REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 7A(13/16) PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM			
ST 260		871	2286	1593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		933	2347	1583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 260		894	2198	1508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		899	2277	1561	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		31	75	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET STSD-4		-	-	-	<.5	66	15	96	1	27	15	<1.0	<5	16	6	3.73	1401	<25	1639	61	96	<20	<20	19	4.21	1.26	2.64	1.90	1.24	360	20	<10	15	9	6	<5					
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	0.3	66	15	96	1	27	15	0.5	3	16	6	3.73	1401	13	1639	61	96	10	10	19	4.21	1.26	2.64	1.90	1.24	360	20	5	15	9	6	3					
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1					
GS91-1		-	-	-	0.6	89	5	82	<1	36	22	<1.0	<5	10	<5	4.61	790	<25	527	79	184	<20	<20	10	4.42	1.98	1.89	1.71	0.99	224	14	<10	28	14	9	<5					
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-	0.6	89	5	82	<1	36	22	0.5	3	10	3	4.61	790	13	527	79	184	10	10	10	4.42	1.98	1.89	1.71	0.99	224	14	5	28	14	9	3					
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1					



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CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PROJECT: XCAQUENI.3712
PAGE 7B(14/16)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ST 260		-	-	-
ST 260		-	-	-
ST 260		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

CANMET STSD-4	0.45	53	0.091
Number of Analyses	1	1	1
Mean Value	0.45	53	0.091
Standard Deviation	-	-	-
Accepted Value	0.46	53	0.090

GS91-1	0.56	50	0.030
Number of Analyses	1	1	1
Mean Value	0.56	50	0.030
Standard Deviation	-	-	-
Accepted Value	0.51	60	0.030

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
 REPORT: V01-00872.0 (COMPLETE)

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 19-JUL-01

PROJECT: XCAQUEN1.3712
 PAGE 8A(15/16)

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ00965		<1	<5	<1	31.60	<.5	39	<2	65	2	55	43	<1.0	<5	<5	<5	7.31	973	<25	214	123	138	<20	<20	17	7.99	3.70	5.55	2.57	0.57	361	23	<10	10	<5	11	<5
Duplicate		1	<5	<1		<.5	38	<2	63	<1	52	42	<1.0	<5	<5	<5	7.17	966	<25	207	119	137	<20	<20	17	7.42	3.55	5.40	2.51	0.58	360	22	<10	10	5	10	<5
CQ00983		2	<5	<1	31.28	<.5	16	<2	57	<1	143	39	<1.0	<5	<5	<5	5.86	791	<25	169	67	77	<20	<20	13	7.01	4.85	5.23	2.23	0.58	359	16	<10	14	<5	7	<5
Duplicate						<.5	15	<2	54	<1	141	38	<1.0	<5	6	<5	5.63	761	<25	165	71	77	<20	<20	13	6.29	4.54	5.02	2.15	0.60	354	16	<10	14	<5	6	<5
CQ00989		<1	<5	1	30.18	<.5	35	<2	70	<1	212	45	<1.0	<5	<5	<5	6.68	978	<25	133	64	67	<20	<20	13	7.15	6.01	5.85	1.71	0.43	305	16	<10	17	<5	7	<5
Duplicate		<1	<5	<1																																	
CQ01003		<1	<5	<1	31.77	<.5	27	4	58	<1	180	39	<1.0	<5	<5	<5	6.65	916	<25	162	70	69	<20	<20	14	8.08	5.13	5.65	2.18	0.51	364	18	<10	6	<5	8	<5
Duplicate						<.5	26	<2	57	<1	176	38	<1.0	<5	<5	<5	6.44	903	<25	157	67	71	<20	<20	14	7.67	5.11	5.55	2.19	0.53	373	17	<10	6	<5	7	<5
CQ01012		<1	<5	<1	32.36	<.5	22	3	51	2	152	35	<1.0	<5	6	<5	5.30	722	<25	157	56	67	<20	<20	13	8.43	4.59	5.88	2.24	0.51	406	17	<10	10	<5	7	<5
Duplicate		1	<5	<1																																	
CQ01020		1	<5	<1	31.04	<.5	80	<2	53	<1	291	42	<1.0	<5	<5	<5	6.04	805	<25	146	45	72	<20	<20	13	7.51	5.57	5.38	2.20	0.46	380	16	<10	6	<5	6	<5
Duplicate						<.5	80	<2	53	<1	294	42	<1.0	<5	<5	<5	5.97	809	<25	147	43	73	<20	<20	13	7.38	5.32	5.42	2.22	0.47	383	17	<10	6	<5	6	<5
CQ01035		1	<5	<1	31.87	<.5	69	3	57	2	334	44	<1.0	<5	<5	<5	6.36	841	<25	150	51	70	<20	<20	13	7.41	5.75	5.48	2.08	0.47	383	17	<10	8	<5	5	<5
Duplicate		2	<5	<1																																	
CQ01040		<1	<5	<1	32.94	<.5	79	<2	51	<1	287	41	<1.0	<5	<5	<5	5.76	774	<25	145	52	73	<20	<20	13	7.38	4.88	5.65	2.25	0.47	387	17	<10	6	<5	5	<5
Duplicate						<.5	75	<2	50	<1	275	40	<1.0	<5	<5	<5	5.58	751	<25	141	52	70	<20	<20	13	7.88	5.13	5.49	2.20	0.46	368	17	<10	5	<5	6	<5
CQ01062		2	<5	<1	30.86	<.5	27	13	24	<1	15	5	<1.0	<5	9	<5	1.19	191	<25	569	189	27	<20	<20	11	3.56	0.39	1.57	3.56	1.20	176	7	12	14	<5	<5	<5
Duplicate						<.5	26	15	24	<1	17	5	<1.0	<5	6	<5	1.14	186	<25	609	187	25	<20	<20	10	3.46	0.43	1.33	3.31	1.16	186	7	11	13	<5	<5	<5
CQ01063		1	<5	<1	30.45	<.5	64	10	59	2	18	13	<1.0	<5	6	<5	2.60	506	<25	524	183	73	<20	<20	15	4.08	1.70	1.20	2.82	1.61	159	9	<10	18	7	<5	<5
Duplicate		1	<5	<1																																	
CQ01082		2	<5	<1	30.81	<.5	78	23	100	2	66	20	<1.0	<5	<5	<5	4.06	138	<25	155	342	66	<20	<20	46	6.78	0.95	0.47	1.06	1.75	115	13	13	27	<5	<5	<5
Duplicate						<.5	77	23	98	2	64	20	<1.0	<5	<5	<5	4.00	133	<25	145	384	64	<20	<20	49	7.32	0.92	0.52	1.05	1.81	106	14	14	26	<5	<5	<5
CQ01086		3	<5	2	32.19	<.5	66	24	122	<1	43	19	<1.0	<5	<5	<5	3.78	210	<25	506	267	84	<20	<20	38	6.97	1.04	0.24	0.84	1.86	65	9	<10	38	9	<5	<5
Duplicate		2	<5	2																																	



BONDAR CLEGG



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-00872.0 (COMPLETE)

PROJECT: XCAQUENI .3712
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 19-JUL-01 PAGE 8B(16/16)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ00965		1.23	61	0.105
Duplicate		1.16	62	0.102
CQ00983		0.76	65	0.088
Duplicate		0.76	68	0.084
CQ00989		0.64	52	0.093
Duplicate				
CQ01003		0.65	62	0.075
Duplicate		0.64	62	0.072
CQ01012		0.65	60	0.072
Duplicate				
CQ01020		0.74	59	0.129
Duplicate		0.72	60	0.134
CQ01035		0.70	56	0.153
Duplicate				
CQ01040		0.67	61	0.185
Duplicate		0.72	64	0.183
CQ01062		0.10	47	0.018
Duplicate		0.10	49	0.020
CQ01063		0.27	53	0.099
Duplicate				
CQ01082		0.19	168	1.909
Duplicate		0.18	159	1.890
CQ01086		0.43	96	0.940
Duplicate				



BONDAR CLEGG



Geochemical L Report

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WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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REPORT: V01-01508.0 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. EVEREST

PROJECT: XCAQUENI.3712

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010817	1 Au	Au - FA35/36	187	1 PPB	FIRE ASSAY	010817	37 Ti	Ti - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL INDUC. COUP. PLASM
010817	2 Pt	Pt - FA36	187	5 PPB	FIRE ASSAY	010817	38 Zr	Zr - IC30	187	5 PPM	HF-HNO3-HClO4-HCL INDUC. COUP. PLASM
010817	3 Pd	Palladium	187	1 PPB	FIRE ASSAY	010817	39 S	S - IC30	187	0.002 PCT	HF-HNO3-HClO4-HCL INDUC. COUP. PLASM
010817	4 Au	Wt1 Test Weight	187	0.01 GM	FIRE ASSAY						
010817	5 Ag	Ag - IC30	187	0.5 PPM	HF-HNO3-HClO4-HCL						
010817	6 Cu	Cu - IC30	187	1 PPM	HF-HNO3-HClO4-HCL						
010817	7 Pb	Pb - IC30	187	2 PPM	HF-HNO3-HClO4-HCL						
010817	8 Zn	Zn - IC30	187	2 PPM	HF-HNO3-HClO4-HCL						
010817	9 Mo	Mo - IC30	187	1 PPM	HF-HNO3-HClO4-HCL						
010817	10 Ni	Ni - IC30	187	1 PPM	HF-HNO3-HClO4-HCL						
010817	11 Co	Co - IC30	187	1 PPM	HF-HNO3-HClO4-HCL						
010817	12 Cd	Cd - IC30	187	1.0 PPM	HF-HNO3-HClO4-HCL						
010817	13 Bi	Bi - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	14 As	As - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	15 Sb	Sb - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	16 Fe	Tot Fe - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL						
010817	17 Mn	Mn - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	18 Te	Te - IC30	187	25 PPM	HF-HNO3-HClO4-HCL						
010817	19 Ba	Ba - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	20 Cr	Cr - IC30	187	2 PPM	HF-HNO3-HClO4-HCL						
010817	21 V	V - IC30	187	2 PPM	HF-HNO3-HClO4-HCL						
010817	22 Sn	Sn - IC30	187	20 PPM	HF-HNO3-HClO4-HCL						
010817	23 W	W - IC30	187	20 PPM	HF-HNO3-HClO4-HCL						
010817	24 La	La - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	25 Al	Al - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL						
010817	26 Mg	Mg - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL						
010817	27 Ca	Ca - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL						
010817	28 Na	Na - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL						
010817	29 K	K - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL						
010817	30 Sr	Sr - IC30	187	1 PPM	HF-HNO3-HClO4-HCL						
010817	31 Y	Y - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	32 Ga	Ga - IC30	187	10 PPM	HF-HNO3-HClO4-HCL						
010817	33 Li	Li - IC30	187	2 PPM	HF-HNO3-HClO4-HCL						
010817	34 Nb	Nb - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	35 Sc	Sc - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						
010817	36 Ta	Ta - IC30	187	5 PPM	HF-HNO3-HClO4-HCL						

SAMPLE TYPES	NUMBER	SIZE	FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	181	?	-200	181	TOTAL SAMPLE PREP	187
P PREPARED PULP	6	4	AS RECEIVED	6	SAMPLE SPLITS	9
					PULP VERIFICATION	6
					OVERWEIGHT/KG	90

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Carryover to the blanks due to the high levels of aluminum in the samples. RRD 08/17/01

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01508.0 (COMPLETE)

PROJECT: XCAQUENI.3712

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 1A(1/22)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample numbers CQ01101 through CQ01130.



BONDAR CLEGG



Geochemical I Report

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REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: XCAQUENI.3712
PAGE 18(2/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01101		0.90	41	0.238
CQ01102		0.57	96	0.071
CQ01103		0.27	97	0.104
CQ01104		0.30	76	0.128
CQ01105		0.21	55	0.212
CQ01106		0.22	52	0.289
CQ01107		0.22	69	0.225
CQ01108		0.19	57	0.323
CQ01109		0.20	59	0.371
CQ01110		0.20	94	0.183
CQ01111		0.22	53	0.306
CQ01112		0.92	42	0.537
CQ01113		0.49	31	0.891
CQ01114		0.24	29	0.102
CQ01115		0.28	31	1.428
CQ01116		0.28	31	0.100
CQ01117		0.17	20	2.440
CQ01118		0.20	27	0.228
CQ01119		0.31	29	0.059
CQ01120		0.59	62	0.093
CQ01121		0.53	41	0.078
CQ01122		0.59	58	0.096
CQ01123		0.38	24	0.575
CQ01124		1.15	67	0.141
CQ01125		0.06	15	6.062
CQ01126		0.34	31	0.259
CQ01127		0.32	28	0.076
CQ01128		0.45	40	0.079
CQ01129		0.33	35	0.074
CQ01130		0.41	38	0.067



BONDAR CLEGG



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PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows list sample numbers (CQ01131 to CQ01160) and their corresponding element concentrations.



BONDAR CLEGG



Geochemical Lab Report

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PROJECT: XCAQUENI.3712
PAGE 28(4/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01131		0.38	34	0.078
CQ01132		0.37	35	0.061
CQ01133		0.38	31	0.065
CQ01134		1.51	126	0.138
CQ01135		0.38	32	0.097
CQ01136		0.27	29	0.071
CQ01137		0.44	31	0.089
CQ01138		0.41	37	0.078
CQ01139		0.32	29	0.059
CQ01140		0.27	28	0.063
CQ01141		0.26	27	0.058
CQ01142		0.25	28	0.057
CQ01143		0.22	23	0.055
CQ01144		0.22	24	0.059
CQ01145		0.24	27	0.056
CQ01146		0.25	29	0.057
CQ01147		0.24	28	0.060
CQ01148		0.33	31	0.063
CQ01149		0.25	27	0.054
CQ01150		0.06	15	5.693
CQ01151		0.31	28	0.066
CQ01152		0.29	25	0.061
CQ01153		0.45	33	0.078
CQ01154		0.41	32	0.068
CQ01155		0.40	34	0.071
CQ01156		0.40	36	0.070
CQ01157		0.68	48	0.099
CQ01158		0.61	40	0.086
CQ01159		0.40	30	0.078
CQ01160		0.41	29	0.073



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Geochemical I b Report

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Table with columns: SAMPLE NUMBER, ELEMENT UNITS, Au, PT, PD, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, AL, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample numbers like CQ01161, CQ01162, etc.

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
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PROJECT: XCAQUENI.3712
PAGE 3B(6/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01161		0.38	29	0.072
CQ01162		0.41	31	0.071
CQ01163		0.36	26	0.069
CQ01164		0.49	38	0.082
CQ01165		0.45	34	0.077
CQ01166		0.46	33	0.072
CQ01167		0.49	33	0.075
CQ01168		0.45	32	0.075
CQ01169		0.52	35	0.083
CQ01170		0.51	37	0.088
CQ01171		0.58	36	0.084
CQ01172		0.51	36	0.086
CQ01173		0.55	47	0.070
CQ01174		0.57	54	0.075
CQ01175		0.06	17	5.523
CQ01176		0.67	52	0.088
CQ01177		0.70	48	0.088
CQ01178		0.80	61	0.100
CQ01179		0.89	62	0.116
CQ01180		0.59	53	0.079
CQ01181		0.65	50	0.075
CQ01182		0.60	57	0.073
CQ01183		0.57	52	0.064
CQ01184		0.42	37	0.081
CQ01185		0.46	42	0.086
CQ01186		0.50	46	0.079
CQ01187		0.52	47	0.082
CQ01188		0.71	61	0.086
CQ01189		0.61	52	0.089
CQ01190		0.60	54	0.085



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Geochemical Lab Report

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PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective units and values.



BONDAR CLEGG



Geochemical I Report

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DATE PRINTED: 28-AUG-01

PROJECT: XCAQUENI.3712
PAGE 48(8/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti		Zr		S	
		PCT	PPM	PCT	PPM	PCT	PPM
CQ01191		0.65	59	0.082			
CQ01192		0.60	56	0.085			
CQ01193		0.66	55	0.082			
CQ01194		0.59	52	0.086			
CQ01195		0.58	54	0.088			
CQ01196		0.55	41	0.100			
CQ01197		0.92	62	0.097			
CQ01198		1.19	59	0.100			
CQ01199		2.39	91	0.264			
CQ01200		0.52	45	0.087			
CQ01201		0.52	48	0.076			
CQ01202		0.52	47	0.083			
CQ01203		0.84	60	0.097			
CQ01204		0.51	41	0.106			
CQ01205		0.51	49	0.095			
CQ01206		1.19	244	0.113			
CQ01207		0.49	47	0.097			
CQ01208		0.53	53	0.087			
CQ01209		0.54	51	0.080			
CQ01210		0.64	54	0.097			
CQ01211		1.40	84	0.149			
CQ01212		1.76	152	0.166			
CQ01213		1.83	82	0.216			
CQ01214		0.37	39	0.065			
CQ01215		0.50	50	0.064			
CQ01216		0.52	50	0.066			
CQ01217		0.50	54	0.063			
CQ01218		0.39	46	0.068			
CQ01219		0.47	47	0.061			
CQ01220		0.41	46	0.063			



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Geochemical I - b Report

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PAGE 5A(9/22)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, Au, PT, PD, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample IDs like CQ01221 through CQ01250 with corresponding values.



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Geochemical I Report

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PROJECT: XCAQUENI .3712
DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 5B(10/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01221		0.41	44	0.068
CQ01222		0.42	44	0.068
CQ01223		0.41	44	0.067
CQ01224		0.46	48	0.064
CQ01225		0.06	18	5.276
CQ01226		0.50	50	0.067
CQ01227		0.51	53	0.060
CQ01228		0.46	51	0.064
CQ01229		0.47	52	0.063
CQ01230		0.47	49	0.066
CQ01231		0.45	47	0.077
CQ01232		0.48	50	0.071
CQ01233		0.52	55	0.071
CQ01234		0.53	56	0.073
CQ01235		0.54	53	0.069
CQ01236		0.54	56	0.068
CQ01237		0.48	52	0.070
CQ01238		0.52	56	0.065
CQ01239		0.56	59	0.068
CQ01240		0.55	57	0.064
CQ01241		0.56	57	0.068
CQ01242		0.53	54	0.068
CQ01243		0.57	58	0.069
CQ01244		0.63	59	0.070
CQ01245		0.54	54	0.063
CQ01246		0.57	60	0.063
CQ01247		0.60	58	0.065
CQ01248		0.56	55	0.066
CQ01249		0.56	59	0.065
CQ01250		0.06	25	4.577



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Geochemical I Report

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PROJECT: XCAQUEN1.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective values and units.

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PROJECT: XCAQUENI.3712
PAGE 68(12/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01251		0.61	61	0.066
CQ01252		0.55	56	0.061
CQ01253		0.57	58	0.061
CQ01254		0.51	54	0.062
CQ01255		0.51	56	0.062
CQ01256		0.52	58	0.064
CQ01257		0.57	62	0.062
CQ01258		0.60	60	0.065
CQ01259		0.50	54	0.065
CQ01260		0.54	59	0.065
CQ01261		0.54	60	0.067
CQ01262		0.54	61	0.067
CQ01263		0.57	60	0.067
CQ01264		0.57	61	0.060
CQ01265		0.61	60	0.063
CQ01266		0.57	60	0.069
CQ01267		0.59	56	0.067
CQ01268		0.57	58	0.065
CQ01269		0.51	54	0.071
CQ01270		0.56	53	0.074
CQ01271		0.62	62	0.068
CQ01272		0.60	65	0.061
CQ01273		0.63	64	0.063
CQ01274		0.65	64	0.061
CQ01275		0.06	29	4.648
CQ01276		0.64	63	0.066
CQ01277		0.64	63	0.067
CQ01278		0.65	62	0.065
CQ01279		0.64	62	0.069
CQ01280		0.57	59	0.069



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Geochemical I Report

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PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, Au, Pt, Pd, Au, Wt, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample numbers CQ01281 through CQ01287 with corresponding element values.

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.3712

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PAGE 7B(14/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ01281		0.61	62	0.064
CQ01282		0.57	59	0.068
CQ01283		0.58	61	0.068
CQ01284		0.55	57	0.066
CQ01285		0.61	59	0.079
CQ01286		0.46	51	0.079
CQ01287		0.49	55	0.071

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PAGE 8A(15/22)

PROJECT: XCAQUENI.3712

STANDARD NAME	ELEMENT UNITS	Au PPB	PT PPB	PD Au PPB	Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM				
ST 248		1292	89	701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST 248		931	78	542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST 248		924	80	605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		1049	82	616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		211	6	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		2	<5	2	-	<.5	1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	0.07	<5	<25	<5	2	<2	<20	<20	<5	0.12	<0.01	0.02	0.01	0.01	<1	<5	<10	<2	<5	<5	<5	<5	<5	<5	<5	
ANALYTICAL BLANK		<1	<5	1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	0.03	<5	<25	<5	<2	<2	<20	<20	<5	0.04	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<5	<5	<5	<5	<5
ANALYTICAL BLANK		<1	<5	1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	0.03	<5	<25	<5	<2	<2	<20	<20	<5	0.03	<0.01	<.01	0.01	<.01	<1	<5	<10	<2	<5	<5	<5	<5	<5	<5	<5	<5
ANALYTICAL BLANK		1	<5	2	-	<.5	1	<2	2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<5	<5	<5	<5	
ANALYTICAL BLANK		2	<5	<1	-	<.5	1	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<5	<5	<5	<5	
ANALYTICAL BLANK		-	-	-	-	<.5	2	<2	2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<5	<5	<5	<5	
Number of Analyses		5	5	5	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Mean Value		1	3	1	-	0.3	1	1	1	<1	<1	<1	0.5	3	3	3	0.02	3	13	3	1	1	10	10	3	0.04	<0.01	0.01	0.01	0.01	<1	3	5	1	3	3	3	3	3	3	3	
Standard Deviation		<1	-	<1	-	-	<1	-	<1	-	<1	-	-	-	-	-	0.02	-	-	-	<1	-	-	-	-	0.05	-	0.01	<.01	<.01	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
CANMET LKSD-2		-	-	-	-	<.5	35	38	239	1	27	20	1.0	<5	14	<5	4.24	1891	<25	712	41	79	<20	<20	69	6.17	0.93	1.43	1.53	2.37	239	40	<10	23	12	12	12	<5	<5			
CANMET LKSD-2		-	-	-	-	<.5	33	49	196	2	23	19	<1.0	<5	10	<5	3.87	1915	<25	650	42	68	<20	<20	59	5.75	0.90	1.47	1.44	1.91	229	38	<10	19	15	11	11	<5	<5			
Number of Analyses		-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mean Value		-	-	-	-	0.3	34	43	217	2	25	19	0.8	3	12	3	4.06	1903	13	681	41	74	10	10	64	5.96	0.91	1.45	1.49	2.14	234	39	5	21	13	12	12	3	3			
Standard Deviation		-	-	-	-	-	2	8	30	<1	3	<1	0.4	-	3	-	0.26	17	-	44	<1	8	-	-	7	0.30	0.02	0.03	0.06	0.33	7	<1	-	2	2	<1	-	-				
Accepted Value		-	-	-	-	0.8	37	44	209	2	26	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	<1				

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REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: XCAQUENI.3712
PAGE 88(16/22)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ST 248		-	-	-
ST 248		-	-	-
ST 248		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	

ANALYTICAL BLANK	<.01	<5	<.002	
Number of Analyses	6	6	6	
Mean Value	<.01	3	0.001	
Standard Deviation	-	-	<.001	
Accepted Value	<.01	<1	<.001	

CANMET LKSD-2	0.32	137	0.161	
CANMET LKSD-2	0.32	132	0.150	
Number of Analyses	2	2	2	
Mean Value	0.32	135	0.155	
Standard Deviation	<.01	3	0.008	
Accepted Value	0.40	128	0.140	



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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 9A(17/22)

PROJECT: XCAQUENI.3712

Table with columns: STANDARD NAME, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include CANMET STSD-4, Number of Analyses, Mean Value, Standard Deviation, and Accepted Value.

Table with columns: STANDARD NAME, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include ST 260, Number of Analyses, Mean Value, Standard Deviation, and Accepted Value.

Table with columns: STANDARD NAME, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include GS91-1, Number of Analyses, Mean Value, Standard Deviation, and Accepted Value.

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DATE PRINTED: 28-AUG-01

PROJECT: XCAQUENI.3712
PAGE 98(18/22)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CANMET STSD-4		0.40	55	0.105
CANMET STSD-4		0.42	57	0.100
Number of Analyses		2	2	2
Mean Value		0.41	56	0.103
Standard Deviation		0.02	2	0.004
Accepted Value		0.46	53	0.090

ST 260	-	-	-	-
ST 260	-	-	-	-
Number of Analyses	-	-	-	-
Mean Value	-	-	-	-
Standard Deviation	-	-	-	-
Accepted Value	-	-	-	-

GS91-1	0.51	45	0.028
GS91-1	0.50	47	0.028
Number of Analyses	2	2	2
Mean Value	0.50	46	0.028
Standard Deviation	<.01	1	<.001
Accepted Value	0.51	60	0.030



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PROJECT: XCAQUENI.3712
PAGE 10A(19/22)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective units and values.

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DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: XCAQUEN1.3712
PAGE 108(20/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01109		0.20	59	0.371
Duplicate		0.20	60	0.430
CQ01122		0.59	58	0.096
Duplicate				
CQ01126		0.34	31	0.259
Duplicate		0.34	32	0.239
CQ01146		0.25	29	0.057
Duplicate		0.25	25	0.063
CQ01163		0.36	26	0.069
Duplicate		0.35	29	0.066
CQ01168		0.45	32	0.075
Duplicate				
CQ01183		0.57	52	0.064
Duplicate		0.58	51	0.061
CQ01192		0.60	56	0.085
Duplicate				
CQ01200		0.52	45	0.087
Duplicate		0.52	45	0.081
CQ01214		0.37	39	0.065
Duplicate				
CQ01220		0.41	46	0.063
Duplicate		0.44	47	0.064
CQ01237		0.48	52	0.070
Duplicate		0.49	53	0.067



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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 11A(21/22)

PROJECT: XCAQUENI .3712

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	PT PPB	PD PPB	Au GM	Wt1 PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PPM	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01238 Duplicate		<1	<5	<1	31.25	<.5	22	<2	53	<1	146	40	<1.0	<5	<5	<5	4.55	666	<25	158	92	77	<20	<20	7	7.68	2.86	5.45	2.38	0.58	365	12	<10	5	<5	9	6		
CQ01257 Duplicate		<1	<5	<1	32.94	<.5	16	<2	55	<1	143	38	1.1	<5	<5	<5	4.64	682	<25	163	129	79	<20	<20	8	7.26	2.62	4.90	2.25	0.64	330	12	<10	5	<5	8	<5		
CQ01260 Duplicate		2	<5	1	31.72	<.5	12	<2	52	<1	133	36	1.1	<5	<5	<5	4.47	647	<25	166	129	77	<20	<20	7	8.51	2.78	5.52	2.51	0.70	374	13	<10	5	<5	9	<5		
CQ01274 Duplicate		1	<5	<1	32.40	<.5	16	<2	52	<1	162	39	<1.0	<5	<5	<5	4.34	653	<25	155	138	89	<20	<20	9	6.69	2.69	4.61	2.40	0.72	335	14	<10	5	<5	9	<5		
CQ01284 Duplicate		2	<5	<1	31.93	<.5	24	<2	57	<1	190	42	<1.0	<5	<5	<5	4.93	723	<25	152	141	80	<20	<20	8	7.13	3.18	4.90	2.46	0.58	352	13	<10	5	<5	10	<5		



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DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: XCAQUENI.3712
PAGE 11B(22/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ01238 Duplicate		0.52	56	0.065
CQ01257 Duplicate		0.57 0.58	62 64	0.062 0.064
CQ01260 Duplicate		0.54	59	0.065
CQ01274 Duplicate		0.65 0.64	64 66	0.061 0.060
CQ01284 Duplicate		0.55	57	0.066

BC

BONDAR CLEGG



Geochemical L Report

WBY

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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REPORT: V01-01509.0 (COMPLETE)

REFERENCE: ORDER #GBKW01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. EVEREST

PROJECT: XCAQUENI.3712

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010823	1 Au	Au - FA35/36	213	1 PPB	FIRE ASSAY	010823	37 Ti	Ti - IC30	213	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010823	2 Pt	Pt - FA36	213	5 PPB	FIRE ASSAY	010823	38 Zr	Zr - IC30	213	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010823	3 Pd	Palladium	213	1 PPB	FIRE ASSAY	010823	39 S	S - IC30	213	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASM
010823	4 Au	Wt1 Test Weight	213	0.01 GM	FIRE ASSAY							
010823	5 Ag	Ag - IC30	213	0.5 PPM	HF-HNO3-HClO4-HCL							
010823	6 Cu	Cu - IC30	213	1 PPM	HF-HNO3-HClO4-HCL							
010823	7 Pb	Pb - IC30	213	2 PPM	HF-HNO3-HClO4-HCL							
010823	8 Zn	Zn - IC30	213	2 PPM	HF-HNO3-HClO4-HCL							
010823	9 Mo	Mo - IC30	213	1 PPM	HF-HNO3-HClO4-HCL							
010823	10 Ni	Ni - IC30	213	1 PPM	HF-HNO3-HClO4-HCL							
010823	11 Co	Co - IC30	213	1 PPM	HF-HNO3-HClO4-HCL							
010823	12 Cd	Cd - IC30	213	1.0 PPM	HF-HNO3-HClO4-HCL							
010823	13 Bi	Bi - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	14 As	As - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	15 Sb	Sb - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	16 Fe Tot	Fe - IC30	213	0.01 PCT	HF-HNO3-HClO4-HCL							
010823	17 Mn	Mn - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	18 Te	Te - IC30	213	25 PPM	HF-HNO3-HClO4-HCL							
010823	19 Ba	Ba - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	20 Cr	Cr - IC30	213	2 PPM	HF-HNO3-HClO4-HCL							
010823	21 V	V - IC30	213	2 PPM	HF-HNO3-HClO4-HCL							
010823	22 Sn	Sn - IC30	213	20 PPM	HF-HNO3-HClO4-HCL							
010823	23 W	W - IC30	213	20 PPM	HF-HNO3-HClO4-HCL							
010823	24 La	La - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	25 Al	Al - IC30	213	0.01 PCT	HF-HNO3-HClO4-HCL							
010823	26 Mg	Mg - IC30	213	0.01 PCT	HF-HNO3-HClO4-HCL							
010823	27 Ca	Ca - IC30	213	0.01 PCT	HF-HNO3-HClO4-HCL							
010823	28 Na	Na - IC30	213	0.01 PCT	HF-HNO3-HClO4-HCL							
010823	29 K	K - IC30	213	0.01 PCT	HF-HNO3-HClO4-HCL							
010823	30 Sr	Sr - IC30	213	1 PPM	HF-HNO3-HClO4-HCL							
010823	31 Y	Y - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	32 Ga	Ga - IC30	213	10 PPM	HF-HNO3-HClO4-HCL							
010823	33 Li	Li - IC30	213	2 PPM	HF-HNO3-HClO4-HCL							
010823	34 Nb	Nb - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	35 Sc	Sc - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							
010823	36 Ta	Ta - IC30	213	5 PPM	HF-HNO3-HClO4-HCL							

SAMPLE TYPES	NUMBER	SIZE	FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	207	?	-200	207	TOTAL SAMPLE PREP	207
P PREPARED PULP	6	4	AS RECEIVED	6	SAMPLE SPLITS	10
					PULP VERIFICATION	6
					OVERWEIGHT/KG	51

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG



Geochemical Laboratory Report

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REPORT: V01-01509.0 (COMPLETE)

PROJECT: XCAQUENI.3712

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 1A(1/24)

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective values and units.

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PAGE 1B(2/24)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01288		0.65	73	0.064
CQ01289		0.59	63	0.061
CQ01290		0.66	74	0.067
CQ01291		0.65	75	0.070
CQ01292		0.60	66	0.063
CQ01293		0.56	66	0.067
CQ01294		0.55	57	0.053
CQ01295		0.86	68	0.072
CQ01296		1.33	88	0.145
CQ01297		0.69	57	0.064
CQ01298		0.50	53	0.057
CQ01299		0.58	61	0.054
CQ01300		0.56	61	0.049
CQ01301		0.62	63	0.048
CQ01302		0.62	67	0.052
CQ01303		0.62	67	0.053
CQ01304		0.64	65	0.054
CQ01305		0.55	61	0.051
CQ01306		0.55	66	0.054
CQ01307		0.62	61	0.051
CQ01308		0.58	71	0.063
CQ01309		0.65	76	0.064
CQ01310		0.67	70	0.069
CQ01311		0.58	73	0.141
CQ01312		0.44	58	0.538
CQ01313		0.58	62	0.149
CQ01314		0.66	68	0.057
CQ01315		0.62	64	0.062
CQ01316		0.55	61	0.066
CQ01317		0.64	66	0.056



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PROJECT: XCAQUENT.3712

Table with columns: SAMPLE NUMBER, ELEMENT, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with their respective units and values.



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Geochemical Lab Report

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DATE PRINTED: 24-AUG-01

PAGE 2B(4/24)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01318		0.59	68	0.061
CQ01319		0.60	65	0.055
CQ01320		0.61	65	0.052
CQ01321		0.66	69	0.058
CQ01322		0.63	71	0.060
CQ01323		0.61	71	0.056
CQ01324		0.60	67	0.055
CQ01325		0.10	46	5.287
CQ01326		0.56	67	0.060
CQ01327		0.55	61	0.085
CQ01328		0.52	65	0.219
CQ01329		0.32	47	2.494
CQ01330		0.29	41	1.480
CQ01331		0.22	33	2.310
CQ01332		0.28	36	1.974
CQ01333		0.36	44	1.162
CQ01334		0.29	42	1.059
CQ01335		0.40	50	1.035
CQ01336		0.53	73	0.640
CQ01337		0.38	49	1.105
CQ01338		0.42	54	0.804
CQ01339		0.34	42	0.415
CQ01340		0.32	36	0.720
CQ01341		0.47	41	0.763
CQ01342		0.29	36	0.692
CQ01343		0.44	60	0.412
CQ01344		0.55	67	0.065
CQ01345		0.71	65	0.081
CQ01346		0.54	56	0.066
CQ01347		0.50	56	0.055



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PROJECT: XCAQUEN1.3712
DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 3A(5/24)

Table with columns: SAMPLE NUMBER, ELEMENT, Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample IDs like CQ01348, CQ01349, etc., with corresponding values for each element.



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DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PROJECT: XCAQUEN1.3712
PAGE 3B(6/24)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01348		0.47	55	0.057
CQ01349		0.46	57	0.065
CQ01350		0.10	44	5.058
CQ01351		0.34	49	0.067
CQ01352		0.39	52	0.060
CQ01353		0.40	50	0.051
CQ01354		0.44	51	0.051
CQ01355		0.46	52	0.058
CQ01356		0.42	48	0.053
CQ01357		0.42	45	0.054
CQ01358		0.50	52	0.062
CQ01359		0.52	53	0.068
CQ01360		0.75	55	0.070
CQ01361		0.85	54	0.070
CQ01362		0.83	54	0.070
CQ01363		0.64	57	0.070
CQ01364		1.02	58	0.093
CQ01365		1.27	70	0.078
CQ01366		0.71	61	0.079
CQ01367		0.84	70	0.081
CQ01368		0.68	65	0.162
CQ01369		0.57	56	0.330
CQ01370		0.65	72	0.061
CQ01371		0.73	71	0.174
CQ01372		0.68	62	0.195
CQ01373		0.59	61	0.204
CQ01374		0.54	56	0.073
CQ01375		0.10	48	4.757
CQ01376		0.59	57	0.107
CQ01377		0.61	71	0.094



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Geochemical Laboratory Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 4A(7/24)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample IDs like CQ01378, CQ01379, etc., and their corresponding elemental concentrations in various units (PPB, PPM, PCT).



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Geochemical Laboratory Report

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REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PROJECT: XCAQUENI.3712
PAGE 4B(8/24)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01378		0.98	88	0.076
CQ01379		1.14	80	0.195
CQ01380		1.12	87	0.235
CQ01381		1.26	85	0.116
CQ01382		1.12	89	0.243
CQ01383		0.62	67	0.174
CQ01384		0.68	78	0.188
CQ01385		0.69	75	0.477
CQ01386		0.67	73	0.808
CQ01387		0.53	62	0.310
CQ01388		0.66	48	1.957
CQ01389		0.40	44	1.101
CQ01390		0.35	61	0.425
CQ01391		0.38	60	0.497
CQ01392		0.51	61	0.776
CQ01393		0.38	62	1.245
CQ01394		0.33	51	1.140
CQ01395		0.40	55	1.244
CQ01396		0.22	84	0.049
CQ01397		0.35	69	1.767
CQ01398		0.68	92	1.430
CQ01399		0.56	93	1.643
CQ01400		0.64	85	1.988
CQ01401		0.64	81	2.127
CQ01402		0.64	88	1.881
CQ01403		0.42	76	2.019
CQ01404		0.42	74	2.575
CQ01405		0.12	70	>10.00
CQ01406		0.08	85	>10.00
CQ01407		0.04	35	1.235



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Geochemical Laboratory Report

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REPORT: V01-01509.0 (COMPLETE)

PROJECT: XCAQUENI.3712

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 5A(9/24)

Table with columns: SAMPLE NUMBER, ELEMENT, Au, Pt, Pd, Au Wt%, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample IDs like CQ01408, CQ01409, etc., and their corresponding element concentrations.



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Geochemical Laboratory Report

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PROJECT: XCAQUENI.3712

REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PAGE 5B(10/24)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ01408		0.26	64	2.523
CQ01409		0.38	80	2.346
CQ01410		0.42	70	1.682
CQ01411		0.43	60	1.896
CQ01412		0.43	59	2.914
CQ01413		0.45	77	1.810
CQ01414		0.48	60	4.816
CQ01415		0.54	72	1.234
CQ01416		0.45	75	1.896
CQ01417		0.44	73	2.918
CQ01418		0.46	78	2.316
CQ01419		0.51	93	2.602
CQ01420		0.63	85	2.540
CQ01421		0.57	88	2.369
CQ01422		0.61	81	2.541
CQ01423		0.56	95	2.163
CQ01424		0.55	77	1.813
CQ01425		0.09	60	4.640
CQ01426		0.54	83	1.411
CQ01427		0.05	39	0.078
CQ01428		0.06	26	0.118
CQ01429		0.51	195	0.925
CQ01430		0.15	85	0.104
CQ01431		0.09	63	0.174
CQ01432		0.49	122	0.312
CQ01433		0.46	141	0.284
CQ01434		0.63	138	0.069
CQ01435		0.61	138	0.070
CQ01436		0.61	139	0.072
CQ01437		0.26	114	0.082

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DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PROJECT: XCAQUENI.3712
PAGE 6A(11/24)

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	PT PPB	PD PPB	Au GM	Wt1 PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01438		3	<5	<1	30.18	<.5	14	10	61	1	24	35	<1.0	<5	<5	<5	4.96	712	<25	568	127	85	<20	<20	29	7.74	2.05	3.39	2.50	1.18	403	13	<10	17	<5	5	<5		
CQ01439		3	<5	1	31.53	<.5	15	12	64	3	22	35	<1.0	<5	<5	<5	4.96	717	<25	575	150	86	<20	<20	29	7.73	2.04	3.38	2.56	1.16	405	14	11	17	<5	6	<5		
CQ01440		3	<5	2	31.18	<.5	19	14	75	2	37	39	<1.0	<5	<5	<5	5.03	695	<25	562	136	92	<20	21	29	7.88	2.09	3.50	2.60	1.36	404	13	<10	19	<5	5	<5		
CQ01441		5	<5	1	31.93	<.5	19	11	73	5	32	38	<1.0	<5	<5	<5	4.90	702	<25	552	90	91	<20	<20	27	7.28	2.02	3.37	2.52	1.21	382	13	<10	19	<5	<5	<5		
CQ01442		<1	<5	2	32.10	<.5	19	13	64	<1	39	37	<1.0	<5	<5	<5	4.97	694	<25	553	145	90	<20	43	28	7.76	2.08	3.46	2.65	0.86	397	13	11	19	<5	5	<5		
CQ01443		1	<5	1	30.94	<.5	17	13	65	2	29	35	<1.0	<5	<5	<5	4.97	702	<25	543	108	87	<20	<20	28	7.73	2.19	3.53	2.62	1.07	393	13	<10	19	<5	5	<5		
CQ01444		<1	<5	1	32.73	<.5	16	11	86	<1	34	38	<1.0	<5	<5	<5	4.96	728	<25	535	81	87	<20	<20	28	7.62	2.27	3.53	2.52	1.20	409	13	10	17	<5	5	<5		
CQ01445		4	<5	2	30.86	<.5	37	10	75	6	62	42	<1.0	<5	<5	<5	5.34	774	<25	539	95	88	<20	24	28	7.88	2.52	3.68	2.54	1.19	425	13	10	17	<5	5	<5		
CQ01446		1	<5	2	32.31	<.5	23	11	68	1	46	35	<1.0	<5	<5	<5	5.17	758	<25	530	87	88	<20	21	29	7.57	2.36	3.54	2.52	1.38	393	14	<10	19	<5	<5	<5		
CQ01447		4	<5	2	30.88	<.5	537	11	70	7	89	153	<1.0	<5	<5	20	>10.00	677	<25	246	81	79	<20	<20	33	5.25	1.71	2.21	1.70	1.84	206	17	10	20	<5	<5	9		
CQ01448		3	<5	2	30.71	<.5	25	11	72	2	42	37	<1.0	<5	<5	<5	5.23	758	<25	520	115	88	<20	<20	27	7.84	2.41	3.72	2.48	1.13	430	13	11	17	<5	5	<5		
CQ01449		1	<5	2	31.22	<.5	30	11	68	4	46	40	<1.0	<5	<5	11	5.24	736	<25	540	100	86	<20	49	28	7.94	2.37	3.71	2.56	1.03	421	13	<10	16	<5	5	<5		
CQ01450		47	74	175	31.89	<.5	643	<2	106	12	13056	331	<1.0	<5	<5	<5	>10.00	932	<25	103	277	36	<20	<20	6	2.01	>10.00	0.82	0.83	0.63	39	<5	16	16	<5	<5	12		
CQ01451		<1	<5	2	31.66	<.5	23	10	72	3	40	36	<1.0	<5	<5	<5	4.88	699	<25	520	93	86	<20	<20	26	7.26	2.18	3.42	2.59	1.10	371	13	<10	15	<5	<5	<5		
CQ01452		1	<5	2	30.25	0.8	26	8	69	3	41	37	<1.0	<5	<5	<5	4.93	716	<25	536	107	87	<20	<20	27	7.51	2.30	3.55	2.64	1.07	395	13	<10	15	<5	5	<5		
CQ01453		1	<5	2	31.16	0.5	59	14	69	4	68	47	<1.0	<5	<5	<5	5.65	758	<25	526	103	89	<20	<20	28	7.73	2.34	3.63	2.46	1.31	394	14	10	19	<5	5	<5		
CQ01454		<1	<5	2	31.25	<.5	31	8	65	7	49	39	<1.0	<5	<5	<5	4.98	709	<25	515	117	84	<20	<20	25	7.84	2.28	3.76	2.60	1.37	406	13	<10	18	<5	<5	<5		
CQ01455		<1	<5	1	30.82	<.5	34	10	70	5	59	42	<1.0	<5	<5	<5	5.53	789	<25	531	90	89	<20	<20	28	7.82	2.54	3.70	2.41	1.36	409	14	10	15	<5	5	<5		
CQ01456		<1	<5	1	30.32	<.5	33	7	68	<1	59	39	<1.0	<5	<5	<5	5.23	739	<25	504	137	84	<20	<20	28	7.82	2.37	3.68	2.44	1.13	415	13	<10	15	<5	5	<5		
CQ01457		<1	<5	2	31.70	<.5	31	6	71	3	51	39	<1.0	<5	<5	8	5.12	749	<25	513	93	85	<20	20	26	7.85	2.46	3.77	2.55	1.31	423	13	<10	16	<5	5	<5		
CQ01458		1	<5	<1	30.58	<.5	23	15	71	4	43	37	<1.0	<5	<5	29	4.82	677	<25	512	109	83	<20	<20	25	7.54	2.05	3.67	2.65	1.21	385	13	<10	14	<5	<5	<5		
CQ01459		1	<5	1	31.34	<.5	26	16	68	<1	60	40	<1.0	<5	<5	<5	5.33	775	<25	523	99	87	<20	<20	26	7.83	2.55	3.68	2.40	1.25	412	14	<10	13	<5	5	<5		
CQ01460		2	<5	1	31.25	<.5	25	7	74	2	47	40	<1.0	<5	<5	<5	5.14	736	<25	511	111	88	<20	<20	25	7.57	2.37	3.58	2.45	1.14	390	14	<10	12	<5	5	<5		
CQ01461		3	<5	<1	31.18	<.5	31	12	68	5	53	41	<1.0	<5	<5	<5	5.34	762	<25	517	91	94	<20	<20	23	7.51	2.35	3.67	2.47	1.15	374	13	<10	12	<5	<5	<5		
CQ01462		4	<5	1	30.81	<.5	23	11	77	<1	48	37	<1.0	<5	<5	<5	4.89	722	<25	505	119	94	<20	<20	24	7.42	2.26	3.39	2.55	0.93	357	13	11	12	<5	6	<5		
CQ01463		5	<5	1	31.70	<.5	29	17	72	1	57	37	<1.0	<5	<5	<5	5.19	751	<25	493	151	95	<20	<20	24	7.55	2.41	3.54	2.50	1.18	377	14	<10	13	<5	6	<5		
CQ01464		2	<5	1	30.77	<.5	34	13	74	<1	72	42	<1.0	<5	<5	6	5.52	787	<25	516	109	97	<20	<20	24	7.92	2.63	3.81	2.36	0.97	401	14	<10	12	<5	6	<5		
CQ01465		3	<5	1	30.85	<.5	30	8	81	<1	70	44	<1.0	<5	<5	<5	5.77	831	<25	514	118	96	<20	<20	25	8.06	2.85	3.90	2.34	1.15	410	15	<10	12	<5	6	<5		
CQ01466		2	<5	1	30.18	<.5	39	12	70	<1	70	48	<1.0	<5	<5	<5	5.73	825	<25	513	116	103	<20	<20	23	7.76	2.61	3.81	2.23	0.98	373	15	<10	13	<5	6	<5		
CQ01467		<1	<5	<1	30.24	<.5	33	6	74	1	68	49	<1.0	<5	<5	<5	6.33	921	<25	514	109	109	<20	<20	24	7.90	2.86	3.96	2.32	1.22	377	17	<10	11	<5	6	<5		



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Geochemical Lab Report

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REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PROJECT: XCAQUENT.3712
PAGE 68(12/24)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01438		0.66	135	0.065
CQ01439		0.66	141	0.069
CQ01440		0.64	128	0.127
CQ01441		0.64	125	0.131
CQ01442		0.62	134	0.126
CQ01443		0.63	130	0.092
CQ01444		0.62	128	0.093
CQ01445		0.62	129	0.174
CQ01446		0.66	135	0.104
CQ01447		0.62	162	4.758
CQ01448		0.65	118	0.112
CQ01449		0.65	130	0.134
CQ01450		0.10	46	5.321
CQ01451		0.69	128	0.091
CQ01452		0.63	131	0.095
CQ01453		0.65	133	0.270
CQ01454		0.64	130	0.113
CQ01455		0.66	121	0.141
CQ01456		0.63	122	0.115
CQ01457		0.64	124	0.107
CQ01458		0.62	130	0.083
CQ01459		0.73	125	0.093
CQ01460		0.72	128	0.090
CQ01461		0.74	129	0.106
CQ01462		0.73	127	0.081
CQ01463		0.76	125	0.093
CQ01464		0.76	123	0.098
CQ01465		0.76	122	0.098
CQ01466		0.82	121	0.118
CQ01467		0.92	129	0.103



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Geochemical Lab Report

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REPORT: V01-01509.0 (COMPLETE)

PROJECT: XCAQUENI .3712

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PAGE 7A(13/24)

Table with columns: SAMPLE NUMBER, ELEMENT, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample numbers like CQ01468, CQ01469, etc., and their corresponding elemental concentrations.



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Geochemical Laboratory Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 7B(14/24)

PROJECT: XCAQUEN1.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CQ01468		1.10	140	0.119
CQ01469		0.93	116	0.125
CQ01470		1.03	118	0.281
CQ01471		0.52	55	2.538
CQ01472		0.48	60	0.710
CQ01473		0.31	51	1.468
CQ01474		0.52	46	9.971
CQ01475		0.10	46	5.383
CQ01476		0.58	59	8.551
CQ01477		0.59	61	1.020
CQ01478		0.52	59	0.882
CQ01479		0.61	65	0.292
CQ01480		0.61	52	0.194
CQ01481		0.80	55	0.533
CQ01482		0.57	59	0.191
CQ01483		0.57	58	0.205
CQ01484		0.10	50	2.614
CQ01485		0.10	49	0.136
CQ01486		0.05	43	0.132
CQ01487		0.04	40	0.004
CQ01488		0.65	72	0.335
CQ01489		1.05	73	0.925
CQ01490		0.50	89	0.533
CQ01491		0.05	43	0.050
CQ01492		0.07	34	1.045
CQ01493		0.22	45	3.300
CQ01494		0.05	33	0.927
CQ01495		0.05	24	2.936
CQ01496		0.02	20	1.102
CQ01497		0.06	41	3.132



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Geochemical Lab Report

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PROJECT: XCAQUENI.3712

REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PAGE 8A(15/24)

SAMPLE NUMBER	ELEMENT	Au	PT	PD	Au Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta
	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	
CQ01498		4	6	19	15.47	<.5	2002	<2	155	12	281	101	<1.0	<5	<5	<5	>10.00	994	30	39	481	287	<20	<20	12	1.25	2.11	1.90	0.30	0.37	50	17	23	13	10	<5	28
CQ01499		3	9	7	15.27	<.5	710	<2	116	29	130	55	<1.0	<5	<5	<5	>10.00	734	<25	105	482	168	<20	<20	18	2.25	1.52	1.85	0.63	0.51	119	15	14	16	5	<5	11
CQ01500		<1	<5	<1	32.01	<.5	22	11	93	5	22	12	<1.0	<5	<5	<5	2.62	308	<25	462	298	58	<20	21	10	6.39	1.08	1.65	2.70	1.04	474	<5	19	45	<5	<5	



BONDAR CLEGG



Geochemical Laboratory Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.3712

REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PAGE 88(16/24)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ01498		0.11	36	>10.00
CQ01499		0.13	67	5.076
CQ01500		0.21	39	0.087



BONDAR CLEGG



Geochemical Laboratory Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 9A(17/24)

PROJECT: XCAQUENI.3712

Table with columns: STANDARD NAME, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include analytical blanks, ST 260, CANMET STSD-4, and Accepted Value.

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PROJECT: XCAQUENI .3712
PAGE 9B(18/24)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ANALYTICAL BLANK		<.01	<5	<0.002
ANALYTICAL BLANK		<.01	<5	<0.002
ANALYTICAL BLANK		<.01	<5	<0.002
ANALYTICAL BLANK		<.01	<5	<0.002
ANALYTICAL BLANK		<.01	<5	<0.002
ANALYTICAL BLANK		<.01	<5	<0.002
ANALYTICAL BLANK		<.01	<5	<0.002
Number of Analyses		6	6	6
Mean Value		<.01	3	0.001
Standard Deviation		-	-	<0.001
Accepted Value		<.01	<1	<0.001
ST 260		-	-	-
ST 260		-	-	-
ST 260		-	-	-
ST 260		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-
CANMET STSD-4		0.40	54	0.087
CANMET STSD-4		0.41	61	0.097
Number of Analyses		2	2	2
Mean Value		0.41	58	0.092
Standard Deviation		<.01	5	0.008
Accepted Value		0.46	53	0.090



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 10A(19/24)

PROJECT: XCAQUENI.3712

Table with columns: STANDARD NAME, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include GS91-1, Number of Analyses, Mean Value, Standard Deviation, and Accepted Value.

Table with columns: STANDARD NAME, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include CANMET LKSD-2, Number of Analyses, Mean Value, Standard Deviation, and Accepted Value.

Table with columns: STANDARD NAME, ELEMENT UNITS, Au, Pt, Pd, Au Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include ST 248, Number of Analyses, Mean Value, Standard Deviation, and Accepted Value.

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

PROJECT: XCAQUENI .3712
DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 10B(20/24)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
GS91-1		0.54	52	0.026
GS91-1		0.55	54	0.028
Number of Analyses		2	2	2
Mean Value		0.55	53	0.027
Standard Deviation		<.01	1	0.001
Accepted Value		0.51	60	0.030

CANMET LKSD-2		0.33	143	0.139
CANMET LKSD-2		0.34	138	0.149
Number of Analyses		2	2	2
Mean Value		0.34	141	0.144
Standard Deviation		0.01	3	0.007
Accepted Value		0.40	128	0.140

ST 248		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
 REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 11A(21/24)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01297 Duplicate	2	<5	<1	31.17	0.5	33	<2	55	2	219	50	1.0	<5	<5	<5	5.36	715	<25	172	71	79	<20	<20	7	9.69	4.06	4.15	2.17	0.63	303	10	<10	5	<5	<5	<5	
				0.7	37	2	60	3	226	53	<1.0	<5	<5	<5	6.07	782	<25	204	63	86	<20	<20	10	>10.00	4.70	5.05	2.62	0.76	352	13	<10	6	<5	6	<5		
CQ01309 Duplicate	2	<5	1	31.37	<.5	30	9	55	2	229	48	1.0	<5	<5	<5	5.54	700	<25	197	66	81	<20	<20	10	>10.00	5.03	5.29	2.71	0.77	415	14	<10	6	<5	5	<5	
	2	<5	1																																		
CQ01314 Duplicate	<1	<5	<1	31.54	0.5	27	<2	59	2	204	48	<1.0	<5	6	<5	5.33	700	<25	184	72	76	<20	<20	8	>10.00	4.36	5.02	2.41	0.67	376	12	<10	5	<5	<5	<5	
				0.8	28	<2	59	<1	195	49	<1.0	<5	<5	<5	5.41	717	<25	199	64	80	<20	<20	10	>10.00	4.85	5.17	2.67	0.72	414	14	<10	6	<5	5	<5		
CQ01333 Duplicate	2	<5	5	31.44	0.7	143	12	126	2	200	81	<1.0	<5	<5	<5	7.71	716	<25	152	233	142	<20	<20	6	>10.00	4.06	4.67	2.21	0.48	312	5	19	8	<5	<5	<5	
	2	<5	5																																		
CQ01334 Duplicate	1	<5	3	31.86	<.5	88	4	101	4	73	97	<1.0	<5	<5	<5	6.84	658	<25	138	232	111	<20	<20	<5	>10.00	3.82	4.91	2.29	0.48	355	<5	14	6	<5	<5	<5	
				<.5	81	7	91	3	61	95	1.2	<5	<5	<5	6.38	590	<25	123	222	97	<20	<20	<5	8.95	3.66	5.05	1.98	0.42	331	<5	15	5	<5	<5	<5		
CQ01351 Duplicate	2	<5	1	30.68	<.5	27	<2	66	<1	321	59	<1.0	<5	<5	<5	7.06	879	<25	137	106	45	<20	21	5	8.27	5.87	4.58	2.30	0.52	286	<5	<10	5	<5	<5	<5	
				<.5	26	<2	61	<1	329	54	<1.0	<5	<5	<5	6.51	872	<25	133	105	45	<20	<20	5	7.82	5.75	4.54	2.24	0.52	284	<5	<10	5	<5	<5	<5		
CQ01355 Duplicate	7	<5	1	30.72	0.7	35	2	52	<1	181	43	<1.0	<5	<5	<5	5.02	720	<25	154	200	68	<20	<20	7	9.13	4.01	5.97	2.54	0.54	320	<5	10	5	<5	9	<5	
	9	<5	2																																		
CQ01371 Duplicate	2	<5	5	31.00	0.9	164	<2	73	<1	345	58	<1.0	<5	<5	<5	6.57	900	<25	203	91	82	<20	<20	9	8.38	3.98	5.18	2.57	0.66	292	9	<10	6	<5	6	<5	
				1.2	175	<2	72	<1	353	59	<1.0	<5	<5	<5	6.87	988	<25	197	89	85	<20	<20	9	8.71	4.27	5.24	2.96	0.65	319	13	<10	8	<5	7	<5		
CQ01379 Duplicate	<1	<5	4	30.43	0.8	162	3	67	<1	265	65	<1.0	<5	<5	<5	6.47	899	<25	190	102	109	<20	<20	10	8.25	4.07	5.14	2.73	0.68	300	14	<10	6	<5	9	<5	
	<5	<5	3																																		
CQ01388 Duplicate	<1	<5	17	31.07	0.7	869	<2	118	2	939	146	1.2	<5	<5	<5	9.22	773	<25	180	506	229	<20	<20	8	9.25	3.32	4.42	2.12	0.49	283	11	13	2	5	<5	<5	
				1.3	892	3	109	<1	911	143	<1.0	<5	<5	<5	8.95	746	<25	176	503	234	<20	<20	8	8.31	3.05	4.24	2.27	0.50	267	10	11	2	<5	<5	<5		
CQ01401 Duplicate	11	26	34	30.32	0.8	1380	6	91	<1	2098	175	<1.0	<5	<5	<5	>10.00	903	30	215	82	77	<20	<20	10	9.33	3.65	4.83	2.41	0.74	304	11	<10	7	<5	<5	<5	
	12	22	36																																		
CQ01408 Duplicate	<1	13	20	31.39	0.8	865	28	157	3	813	81	<1.0	<5	<5	<5	8.14	562	<25	71	350	194	<20	24	9	9.00	1.59	0.30	1.16	1.17	109	<5	37	34	<5	<5	<5	
				1.1	833	27	158	2	780	76	<1.0	<5	<5	<5	7.99	559	<25	70	367	196	<20	<20	11	9.39	1.53	0.31	1.17	1.25	107	<5	37	36	<5	<5	<5		



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Geochemical I Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01 DATE PRINTED: 24-AUG-01 PAGE 11B(22/24)

PROJECT: XCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
CQ01297		0.69	57	0.064
Duplicate		0.71	67	0.072
CQ01309		0.65	76	0.064
Duplicate				
CQ01314		0.66	68	0.057
Duplicate		0.63	74	0.059
CQ01333		0.36	44	1.162
Duplicate				
CQ01334		0.29	42	1.059
Duplicate		0.27	34	0.997
CQ01351		0.34	49	0.067
Duplicate		0.38	48	0.067
CQ01355		0.46	52	0.058
Duplicate				
CQ01371		0.73	71	0.174
Duplicate		0.73	76	0.178
CQ01379		1.14	80	0.195
Duplicate				
CQ01388		0.66	48	1.957
Duplicate		0.67	52	1.853
CQ01401		0.64	81	2.127
Duplicate				
CQ01408		0.26	64	2.523
Duplicate		0.27	67	2.448

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

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PROJECT: XCAQUENI.3712
PAGE 12A(23/24)

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CQ01425		50	77	183	30.01	<.5	555	<2	89	2	11364	286	<1.0	<5	<5	<5	>10.00	790	<25	110	396	35	<20	<20	6	2.04	>10.00	0.77	1.29	0.77	33	<5	16	15	<5	<5	8
Duplicate		46	71	154		<.5	553	<2	96	<1	11575	295	<1.0	<5	<5	<5	>10.00	818	<25	108	368	35	<20	<20	6	1.96	>10.00	0.73	1.11	0.72	33	<5	15	16	<5	<5	7
CQ01445		4	<5	2	30.86	<.5	37	10	75	6	62	42	<1.0	<5	<5	<5	5.34	774	<25	539	95	88	<20	24	28	7.88	2.52	3.68	2.54	1.19	425	13	10	17	<5	5	<5
Duplicate						<.5	36	8	77	9	73	39	<1.0	<5	<5	<5	5.10	726	<25	527	98	91	<20	<20	27	7.61	2.36	3.43	2.43	1.26	402	13	11	15	<5	<5	<5
CQ01447		4	<5	2	30.88	<.5	537	11	70	7	89	153	<1.0	<5	<5	20	>10.00	677	<25	246	81	79	<20	<20	33	5.25	1.71	2.21	1.70	1.84	206	17	10	20	<5	<5	9
Duplicate			<5	3																																	
CQ01462		4	<5	1	30.81	<.5	23	11	77	<1	48	37	<1.0	<5	<5	<5	4.89	722	<25	505	119	94	<20	<20	24	7.42	2.26	3.39	2.55	0.93	357	13	11	12	<5	6	<5
Duplicate						<.5	25	13	70	2	49	38	<1.0	<5	<5	<5	4.93	744	<25	518	115	93	<20	<20	25	7.17	2.29	3.37	2.43	1.18	392	13	<10	12	<5	<5	<5
CQ01471		17	26	76	30.90	2.3	2309	227	467	2	3485	142	<1.0	<5	<5	<5	7.53	698	<25	264	49	57	<20	<20	7	8.63	3.52	3.50	1.98	0.81	387	8	11	53	<5	<5	<5
Duplicate		18	25	74																																	
CQ01482		3	<5	4	32.57	<.5	250	10	90	<1	109	26	<1.0	<5	<5	<5	5.49	1072	<25	350	107	208	<20	<20	19	7.65	2.23	6.06	2.48	0.75	830	18	15	17	6	23	<5
Duplicate						<.5	253	8	102	<1	110	26	<1.0	<5	<5	<5	5.56	1068	<25	346	109	204	<20	<20	19	7.73	2.22	6.14	2.43	0.85	827	18	12	16	<5	22	<5
CQ01493		<1	<5	8	30.30	<.5	393	2	241	22	85	46	<1.0	<5	<5	<5	>10.00	1643	28	274	326	172	<20	<20	23	4.20	3.09	2.69	1.11	0.67	288	18	19	23	<5	5	12
Duplicate		<1	<5	7																																	
CQ01499		3	9	7	15.27	<.5	710	<2	116	29	130	55	<1.0	<5	<5	<5	>10.00	734	<25	105	482	168	<20	<20	18	2.25	1.52	1.85	0.63	0.51	119	15	14	16	5	<5	11
Duplicate						<.5	701	<2	105	28	130	52	<1.0	<5	<5	37	>10.00	738	<25	82	446	168	<20	<20	17	2.20	1.53	1.82	0.63	0.51	120	15	16	16	7	<5	16



BONDAR CLEGG



Geochemical I b Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUEN1.3712

REPORT: V01-01509.0 (COMPLETE)

DATE RECEIVED: 16-AUG-01

DATE PRINTED: 24-AUG-01

PAGE 12B(24/24)

SAMPLE NUMBER	ELEMENT		Ti	Zr	S
	UNITS	PCT	PPM	PCT	PCT
CQ01425		0.09	60	4.640	
Duplicate		0.10	55	4.679	
CQ01445		0.62	129	0.174	
Duplicate		0.64	127	0.157	
CQ01447		0.62	162	4.758	
Duplicate					
CQ01462		0.73	127	0.081	
Duplicate		0.75	118	0.082	
CQ01471		0.52	55	2.538	
Duplicate					
CQ01482		0.57	59	0.191	
Duplicate		0.58	56	0.191	
CQ01493		0.22	45	3.300	
Duplicate					
CQ01499		0.13	67	5.076	
Duplicate		0.13	64	4.951	



BONDAR CLEGG



WJY

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BONDAR CLEGG



Geochemical I b Report

REPORT: V01-01552.0 (COMPLETE)

REFERENCE: ORDER #JMM010801

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010822	1 Au	Au - FA35/36	6	1 PPB	FIRE ASSAY	010822	37 Ti	Ti - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL INDUC. COUP. PLASM
010822	2 Pt	Pt - FA36	6	5 PPB	FIRE ASSAY	010822	38 Zr	Zr - IC30	6	5 PPM	HF-HNO3-HClO4-HCL INDUC. COUP. PLASM
010822	3 Pd	Palladium	6	1 PPB	FIRE ASSAY	010822	39 S	S - IC30	6	0.002 PCT	HF-HNO3-HClO4-HCL INDUC. COUP. PLASM
010822	4 Au	Wt1 Test Weight	6	0.01 GM	FIRE ASSAY						
010822	5 Ag	Ag - IC30	6	0.5 PPM	HF-HNO3-HClO4-HCL						
010822	6 Cu	Cu - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010822	7 Pb	Pb - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010822	8 Zn	Zn - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010822	9 Mo	Mo - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010822	10 Ni	Ni - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010822	11 Co	Co - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010822	12 Cd	Cd - IC30	6	1.0 PPM	HF-HNO3-HClO4-HCL						
010822	13 Bi	Bi - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	14 As	As - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	15 Sb	Sb - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	16 Fe	Tot Fe - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010822	17 Mn	Mn - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	18 Te	Te - IC30	6	25 PPM	HF-HNO3-HClO4-HCL						
010822	19 Ba	Ba - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	20 Cr	Cr - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010822	21 V	V - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010822	22 Sn	Sn - IC30	6	20 PPM	HF-HNO3-HClO4-HCL						
010822	23 W	W - IC30	6	20 PPM	HF-HNO3-HClO4-HCL						
010822	24 La	La - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	25 Al	Al - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010822	26 Mg	Mg - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010822	27 Ca	Ca - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010822	28 Na	Na - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010822	29 K	K - IC30	6	0.01 PCT	HF-HNO3-HClO4-HCL						
010822	30 Sr	Sr - IC30	6	1 PPM	HF-HNO3-HClO4-HCL						
010822	31 Y	Y - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	32 Ga	Ga - IC30	6	10 PPM	HF-HNO3-HClO4-HCL						
010822	33 Li	Li - IC30	6	2 PPM	HF-HNO3-HClO4-HCL						
010822	34 Nb	Nb - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	35 Sc	Sc - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						
010822	36 Ta	Ta - IC30	6	5 PPM	HF-HNO3-HClO4-HCL						

SAMPLE TYPES	NUMBER	SIZE	FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	6	?	-200	6	TOTAL SAMPLE PREP	6

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS MR. KELLY MONIER INVOICE TO: MS. ANNETTE BURT

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BONDAR CLEGG



Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01552.0 (COMPLETE)

PROJECT: XCAQUENI.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 1A(1/ 6)

SAMPLE NUMBER	ELEMENT	Au	PT	PD	Au	Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM		
UC104708		2	<5	2	30.22	<.5	37	<2	84	2	60	63	1.2	<5	<5	<5	9.14	1162	<25	312	78	143	<20	<20	19	6.64	2.31	4.47	2.67	0.72	291	29	<10	17	12	18	<5	1.40	127		
UC104712		3	5	<1	30.21	<.5	25	18	18	26	11	6	<1.0	<5	<5	44	2.92	80	<25	398	751	55	<20	<20	6	3.70	0.18	0.98	0.93	1.28	184	6	<10	23	9	<5	<5	0.16	143		
UC104715		8	6	5	31.61	<.5	16	7	99	1	417	68	1.4	<5	<5	<5	6.82	1368	<25	31	1991	158	<20	<20	6	2.48	9.71	5.80	0.90	0.29	21	7	<10	4	8	27	<5	0.13	19		
UC104716		1	<5	2	30.97	<.5	45	12	73	23	13	12	<1.0	<5	<5	<5	5.66	424	<25	834	612	127	<20	<20	17	6.12	1.18	1.91	2.27	1.90	273	6	<10	33	15	10	<5	0.45	355		
UC104717		1	<5	3	31.78	<.5	85	10	90	6	16	10	<1.0	<5	<5	<5	8.21	285	<25	1020	782	157	<20	<20	33	5.25	1.26	1.20	1.95	1.58	307	<5	<10	27	18	8	<5	0.38	157		
UC104978		3	7	7	31.27	<.5	148	<2	78	2	119	47	1.2	<5	<5	<5	8.54	1113	<25	312	371	154	<20	<20	16	6.65	3.46	4.07	2.48	0.68	350	20	<10	12	11	23	<5	0.89	77		



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SAMPLE NUMBER	ELEMENT UNITS	S PCT
UC104708		0.132
UC104712		0.608
UC104715		0.088
UC104716		0.297
UC104717		1.933
UC104978		0.106



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Table with columns for STANDARD NAME, ELEMENT, and various chemical elements (Au, Pt, Pd, Au, Wt, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr). Rows include ST 260, ANALYTICAL BLANK, and CANMET LKSD-2.

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PROJECT: XCAQUENI.2400
PAGE 2B(4/ 6)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 260		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-
ANALYTICAL BLANK		<.002
Number of Analyses		1
Mean Value		0.001
Standard Deviation		-
Accepted Value		<.001
CANMET LKSD-2		0.155
Number of Analyses		1
Mean Value		0.155
Standard Deviation		-
Accepted Value		0.140



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PAGE 3A(5/ 6)

SAMPLE NUMBER	ELEMENT	Au	PT	PD	Au Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
		UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
UC104715		8	6	5	31.61	<.5	16	7	99	1	417	68	1.4	<5	<5	<5	6.82	1368	<25	31	1991	158	<20	<20	6	2.48	9.71	5.80	0.90	0.29	21	7	<10	4	8	27	<5	0.13	19
Duplicate						<.5	16	8	97	<1	413	67	1.5	<5	<5	<5	6.79	1367	<25	31	2192	162	<20	<20	7	2.20	9.27	5.63	0.94	0.25	21	7	<10	4	7	24	<5	0.13	19



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PROJECT: XCAQUENI.2400
PAGE 3B(6/ 6)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
UC104715		0.088
Duplicate		0.086



BONDAR CLEGG



WCM

WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical I Report

REPORT: V01-01553.0 (COMPLETE)

REFERENCE: ORDER #GBJENP01

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010822	1 Au	Au - FA35/36	17	1 PPB	FIRE ASSAY
010822	2 Pt	Pt - FA36	17	5 PPB	FIRE ASSAY
010822	3 Pd	Palladium	17	1 PPB	FIRE ASSAY
010822	4 Au	Wt1 Test Weight	17	0.01 GM	FIRE ASSAY
010822	5 Ag	Ag - IC30	17	0.5 PPM	HF-HNO3-HClO4-HCL
010822	6 Cu	Cu - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	7 Pb	Pb - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	8 Zn	Zn - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	9 Mo	Mo - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	10 Ni	Ni - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	11 Co	Co - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	12 Cd	Cd - IC30	17	1.0 PPM	HF-HNO3-HClO4-HCL
010822	13 Bi	Bi - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	14 As	As - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	15 Sb	Sb - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	16 Fe Tot	Fe - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	17 Mn	Mn - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	18 Te	Te - IC30	17	25 PPM	HF-HNO3-HClO4-HCL
010822	19 Ba	Ba - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	20 Cr	Cr - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	21 V	V - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	22 Sn	Sn - IC30	17	20 PPM	HF-HNO3-HClO4-HCL
010822	23 W	W - IC30	17	20 PPM	HF-HNO3-HClO4-HCL
010822	24 La	La - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	25 Al	Al - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	26 Mg	Mg - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	27 Ca	Ca - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	28 Na	Na - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	29 K	K - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	30 Sr	Sr - IC30	17	1 PPM	HF-HNO3-HClO4-HCL
010822	31 Y	Y - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	32 Ga	Ga - IC30	17	10 PPM	HF-HNO3-HClO4-HCL
010822	33 Li	Li - IC30	17	2 PPM	HF-HNO3-HClO4-HCL
010822	34 Nb	Nb - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	35 Sc	Sc - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	36 Ta	Ta - IC30	17	5 PPM	HF-HNO3-HClO4-HCL

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010822	37 Ti	Ti - IC30	17	0.01 PCT	HF-HNO3-HClO4-HCL
010822	38 Zr	Zr - IC30	17	5 PPM	HF-HNO3-HClO4-HCL
010822	39 S	S - IC30	17	0.002 PCT	HF-HNO3-HClO4-HCL

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	17	? -200	17	TOTAL SAMPLE PREP OVERWEIGHT/KG	17 3

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary.

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

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SAMPLE NUMBER	ELEMENT UNITS	Au	PT	PD	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
		PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	
UC104700	1	<5	2	31.47	<.5	65	21	64	1	41	20	<1.0	<5	<5	<5	5.74	689	<25	567	338	126	<20	<20	49	7.36	1.21	0.36	1.70	1.99	136	12	12	41	14	18	<5	0.54	81		
UC104701	2	6	5	31.80	<.5	184	5	208	6	70	33	2.9	<5	<5	<5	7.50	1222	<25	37	271	381	<20	<20	6	6.87	2.61	6.79	0.80	0.26	363	30	<10	14	30	42	<5	0.74	18		
UC104702	1	<5	3	30.27	<.5	44	6	30	3	62	15	<1.0	<5	<5	<5	3.40	77	<25	66	831	26	<20	<20	<5	0.72	0.17	0.14	0.07	0.26	18	<5	<10	8	<5	<5	<5	0.05	11		
UC104703	<1	<5	3	31.23	<.5	392	18	27	2	54	35	<1.0	<5	<5	<5	3.69	110	<25	65	553	15	<20	<20	14	4.74	0.20	3.37	1.01	0.14	963	<5	<10	20	<5	<5	<5	0.03	18		
UC104704	3	6	5	31.54	<.5	769	6	99	17	49	37	1.1	<5	<5	<5	6.12	621	<25	382	432	242	<20	<20	12	6.59	1.93	3.28	1.46	1.20	377	21	<10	18	21	24	<5	0.53	89		
UC104705	<1	<5	2	32.67	<.5	69	12	16	4	80	13	<1.0	<5	<5	<5	3.63	37	<25	8	982	12	<20	<20	<5	0.31	0.03	0.10	0.10	0.05	16	<5	<10	2	<5	<5	8	0.01	<5		
UC104706	9	<5	5	32.24	<.5	70	16	127	10	85	29	1.2	<5	<5	<5	6.28	373	<25	563	354	257	<20	<20	20	6.60	1.60	1.09	2.91	3.31	234	6	<10	41	19	13	<5	0.46	218		
UC104928	<1	<5	<1	31.33	<.5	38	<2	120	<1	50	69	1.0	<5	<5	<5	9.22	1523	<25	383	82	158	<20	<20	23	7.98	2.76	4.81	2.82	0.82	328	36	<10	37	11	24	<5	1.52	129		
UC104929	17	14	49	30.91	1.0	1668	12	80	<1	687	96	1.6	<5	<5	<5	9.05	811	<25	171	182	94	<20	<20	9	7.36	3.16	4.83	2.42	0.45	343	14	<10	13	<5	11	<5	0.71	58		
UC104930	4	9	10	32.02	<.5	423	3	79	<1	340	80	1.7	<5	<5	<5	8.02	953	<25	200	108	93	<20	<20	11	6.65	3.08	4.56	2.50	0.57	306	19	<10	8	6	13	<5	0.85	80		
UC104931	23	37	68	31.24	1.5	2927	13	131	2	3028	272	2.1	<5	<5	<5	>10.00	911	<25	194	180	164	<20	<20	12	6.22	2.50	3.85	2.18	0.51	255	18	<10	17	8	13	<5	0.89	82		
UC104933	6	<5	<1	30.63	1.2	43	44	55	34	47	65	<1.0	<5	<5	<5	7.13	122	<25	354	474	102	<20	<20	175	6.31	0.35	1.46	2.10	2.30	155	29	17	32	14	<5	<5	0.21	207		
UC104934	5	8	8	30.68	<.5	67	24	79	9	16	12	<1.0	<5	<5	<5	6.40	195	<25	669	725	143	<20	<20	32	4.55	0.75	0.53	1.22	2.88	125	<5	<10	11	22	8	<5	0.61	280		
UC104935	14	<5	2	31.06	<.5	42	18	26	7	41	19	<1.0	<5	<5	<5	5.38	121	<25	284	567	66	<20	<20	38	5.46	0.27	0.18	0.56	1.72	75	6	10	21	<5	<5	<5	0.10	79		
UC104936	2	<5	1	31.85	0.9	985	9	137	2	47	32	1.7	<5	<5	<5	>10.00	1464	<25	233	74	94	<20	<20	134	4.26	2.89	8.26	1.69	1.11	1552	19	<10	10	14	9	9	0.33	45		
UC104971	4	9	14	30.88	<.5	601	18	63	<1	742	100	1.4	<5	<5	<5	7.49	663	<25	229	253	70	<20	<20	9	7.48	3.03	3.88	2.54	0.72	342	7	<10	19	<5	10	<5	0.35	48		
UC104972	6	9	94	30.89	0.9	4260	10	180	23	6721	494	<1.0	<5	<5	<5	>10.00	820	<25	29	454	174	<20	<20	<5	2.18	3.45	0.39	0.97	1.02	31	6	<10	12	10	12	<5	0.09	8		



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PAGE 1B(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
UC104700		0.264
UC104701		2.828
UC104702		1.962
UC104703		1.983
UC104704		1.730
UC104705		2.769
UC104706		2.111
UC104928		0.323
UC104929		1.256
UC104930		0.450
UC104931		3.819
UC104933		5.760
UC104934		0.663
UC104935		3.548
UC104936		3.241
UC104971		1.120
UC104972		9.771

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STANDARD NAME	ELEMENT UNITS	Au PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM			
ST 248		1127	106	686	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		1127	106	686	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<1	<5	<1	-	<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Number of Analyses		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		<1	3	<1	-	0.3	<1	1	1	<1	<1	<1	0.5	3	3	3	<0.01	3	13	3	1	1	10	10	3	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	
CANMET STSD-4		-	-	-	-	<.5	57	16	93	<1	29	18	<1.0	<5	14	<5	3.56	1319	<25	1671	66	97	<20	<20	21	5.59	1.16	2.69	2.03	1.14	351	21	<10	14	10	11	<5	0.39	49			
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-	-	0.3	57	16	93	<1	29	18	0.5	3	14	3	3.56	1319	13	1671	66	97	10	10	21	5.59	1.16	2.69	2.03	1.14	351	21	5	14	10	11	3	0.39	49			
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Accepted Value		-	-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1	0.46	53			



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: XCAQUENI.2400

REPORT: V01-01553.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01

DATE PRINTED: 28-AUG-01

PAGE 2B(4/ 6)

STANDARD NAME	ELEMENT UNITS	S PCT
ST 248		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-
ANALYTICAL BLANK		<.002
Number of Analyses		1
Mean Value		0.001
Standard Deviation		-
Accepted Value		<.001
CANMET STSD-4		0.105
Number of Analyses		1
Mean Value		0.105
Standard Deviation		-
Accepted Value		0.090



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PAGE 3A(5/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Au	PT	PD	Au Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
		PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
UC104703		<1	<5	3	31.23	<.5	392	18	27	2	54	35	<1.0	<5	<5	<5	3.69	110	<25	65	553	15	<20	<20	14	4.74	0.20	3.37	1.01	0.14	963	<5	<10	20	<5	<5	<5	0.03	18
Duplicate						<.5	372	15	24	2	54	36	<1.0	<5	<5	<5	3.62	103	<25	63	642	14	<20	<20	13	4.45	0.19	3.27	1.00	0.14	895	<5	<10	20	<5	<5	<5	0.02	19

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DATE RECEIVED: 17-AUG-01

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PAGE 3B(6/ 6)

PROJECT: XCAQUENI.2400

SAMPLE NUMBER	ELEMENT UNITS	S PCT
UC104703		1.983
Duplicate		1.984



BONDAR CLEGG



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WMC INTERNATIONAL LTD.-EXPLORATION
MR. JIM MCKINNON-MATTHEWS
8008 EAST ARAPAHOE COURT
SUITE 110
ENLGEWOOD, CO 80112

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BONDAR CLEGG



Geochemical L Report

REPORT: V01-01554.0 (COMPLETE)

REFERENCE: ORDER #JMM310701

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. MCKINNON-MATTHEWS

PROJECT: XCAQUENI.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010823	1 Au	Au - FA35/36	33	1 PPB	FIRE ASSAY
010823	2 Pt	Pt - FA36	33	5 PPB	FIRE ASSAY
010823	3 Pd	Palladium	33	1 PPB	FIRE ASSAY
010823	4 Au	Wt1 Test Weight	33	0.01 GM	FIRE ASSAY
010823	5 Ag	Ag - IC30	33	0.5 PPM	HF-HNO3-HClO4-HCL
010823	6 Cu	Cu - IC30	33	1 PPM	HF-HNO3-HClO4-HCL
010823	7 Pb	Pb - IC30	33	2 PPM	HF-HNO3-HClO4-HCL
010823	8 Zn	Zn - IC30	33	2 PPM	HF-HNO3-HClO4-HCL
010823	9 Mo	Mo - IC30	33	1 PPM	HF-HNO3-HClO4-HCL
010823	10 Ni	Ni - IC30	33	1 PPM	HF-HNO3-HClO4-HCL
010823	11 Co	Co - IC30	33	1 PPM	HF-HNO3-HClO4-HCL
010823	12 Cd	Cd - IC30	33	1.0 PPM	HF-HNO3-HClO4-HCL
010823	13 Bi	Bi - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	14 As	As - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	15 Sb	Sb - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	16 Fe	Tot Fe - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCL
010823	17 Mn	Mn - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	18 Te	Te - IC30	33	25 PPM	HF-HNO3-HClO4-HCL
010823	19 Ba	Ba - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	20 Cr	Cr - IC30	33	2 PPM	HF-HNO3-HClO4-HCL
010823	21 V	V - IC30	33	2 PPM	HF-HNO3-HClO4-HCL
010823	22 Sn	Sn - IC30	33	20 PPM	HF-HNO3-HClO4-HCL
010823	23 W	W - IC30	33	20 PPM	HF-HNO3-HClO4-HCL
010823	24 La	La - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	25 Al	Al - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCL
010823	26 Mg	Mg - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCL
010823	27 Ca	Ca - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCL
010823	28 Na	Na - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCL
010823	29 K	K - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCL
010823	30 Sr	Sr - IC30	33	1 PPM	HF-HNO3-HClO4-HCL
010823	31 Y	Y - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	32 Ga	Ga - IC30	33	10 PPM	HF-HNO3-HClO4-HCL
010823	33 Li	Li - IC30	33	2 PPM	HF-HNO3-HClO4-HCL
010823	34 Nb	Nb - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	35 Sc	Sc - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	36 Ta	Ta - IC30	33	5 PPM	HF-HNO3-HClO4-HCL

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010823	37 Ti	Ti - IC30	33	0.01 PCT	HF-HNO3-HClO4-HCL
010823	38 Zr	Zr - IC30	33	5 PPM	HF-HNO3-HClO4-HCL
010823	39 S	S - IC30	33	0.002 PCT	HF-HNO3-HClO4-HCL

SAMPLE TYPES	NUMBER	SIZE	FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	33	?	-200	33	TOTAL SAMPLE PREP	33
\$ MISSING SAMPLE	2	0	NONE	2	OVERWEIGHT/KG	6

NOTES: S indicates Sample Not Received

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONIER

INVOICE TO: MS. ANNETTE BURT

 This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01554.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01 PAGE 1A(1/ 8)

PROJECT: XCAQUENI.2400

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, Wt1, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti) with their respective values and units.



BONDAR CLEGG



CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01554.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01 PAGE 1B(2/ 8)

PROJECT: XCAQUENI.2400

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
UC102601	56	0.092	
UC102602	59	0.038	
UC102603	74	0.075	
UC102604	207	0.190	
UC102605	85	0.295	
UC102606	106	0.132	
UC102607	219	0.041	
UC102608	133	0.116	
UC102609	87	0.047	
UC102751			
UC104750	61	0.065	
UC104752	293	0.027	
UC104973	121	1.259	
UC104974	21	1.592	
UC104975	133	1.286	
UC104976	185	0.159	
UC104977	213	0.188	
UC104978			
UR212922	136	1.251	
UR212923	196	2.318	
UR212924	34	0.031	
UR212925	55	0.494	
UR212926	44	0.248	
UR212927	38	0.563	
UR212928	87	0.053	
UR212929	110	0.115	
UR212930	103	1.270	
UR212931	202	0.185	
UR212932	185	0.148	
UR212933	83	0.554	



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DATE RECEIVED: 17-AUG-01

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PAGE 2A(3/ 8)

SAMPLE NUMBER	ELEMENT UNITS	Au	PT	PD	Au	Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti
		PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM
UR212934		2	<5	3	31.66	<.5	141	<2	108	4	104	75	<1.0	<5	<5	<5	9.85	935	<25	205	294	100	<20	<20	9	8.01	2.90	3.74	2.05	0.60	244	12	<10	11	18	9	<5	0.73		
UR212935		1	<5	3	31.66	<.5	216	10	55	6	72	56	<1.0	<5	<5	<5	8.77	466	<25	355	208	67	<20	<20	16	7.39	2.26	1.84	2.19	0.71	274	10	<10	41	17	13	<5	0.21		
UR212936		<1	<5	<1	30.86	<.5	9	3	87	4	70	51	<1.0	<5	<5	<5	8.12	838	<25	140	306	69	<20	<20	<5	9.16	3.31	3.96	2.34	0.55	266	5	<10	12	14	6	<5	0.38		
UR212937		7	19	33	30.65	1.6	962	26	74	2	347	57	<1.0	<5	<5	<5	9.75	722	<25	140	61	33	<20	<20	<5	7.91	2.56	3.67	1.70	0.57	250	<5	<10	11	15	<5	<5	0.28		
UR212938		<1	<5	3	30.06	1.8	<1	<2	38	<1	<1	11	<1.0	7	<5	7	>10.00	9384	<25	40	151	5	<20	<20	<5	0.51	0.51	0.81	0.37	0.20	8	<5	<10	3	34	<5	41	0.01		

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PROJECT: XCAQUENI.2400
DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01 PAGE 2B(4/ 8)

SAMPLE NUMBER	ELEMENT	Zr	S
	UNITS	PPM	PCT
UR212934		112	0.739
UR212935		118	2.646
UR212936		61	0.048
UR212937		60	0.551
UR212938		39	0.008

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PROJECT: XCAQJENI.2400

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01 PAGE 3A(5/ 8)

STANDARD NAME	ELEMENT UNITS	Au	PT	PD	Au.Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	
		PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	
ST 248		1015	110	641	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		1015	110	641	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1010	91	635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		1	<5	2	-	<.5	<1	<2	<2	<1	2	<1	<1.0	<5	<5	<5	0.03	<5	<25	<5	<2	<2	<20	<20	<5	<.01	<.01	<.01	<.01	<.01	<1	<5	<10	<2	<5	<5	<5	<.01	
Number of Analyses		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		1	3	2	-	0.3	<1	1	1	<1	2	<1	0.5	3	3	3	0.03	3	13	3	1	1	10	10	3	<.01	<.01	<.01	<.01	<.01	<1	3	5	1	3	3	3	<.01	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	5	<0.01	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<.01	<.01	-	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	
GS91-1		-	-	-	-	0.6	92	7	86	3	34	25	<1.0	<5	6	<5	5.29	807	<25	593	105	165	<20	<20	7	6.97	1.76	1.80	1.78	0.92	250	10	<10	29	16	18	<5	0.48	
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.6	92	7	86	3	34	25	0.5	3	6	3	5.29	807	13	593	105	165	10	10	7	6.97	1.76	1.80	1.78	0.92	250	10	5	29	16	18	3	0.48	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1	0.51	



BONDAR CLEGG



Geochemical I Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01554.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01

DATE PRINTED: 27-AUG-01

PROJECT: XCAQUENI.2400
PAGE 3B(6/ 8)

STANDARD NAME	ELEMENT UNITS	Zr PPM	S PCT
ST 248	-	-	-
Number of Analyses	-	-	-
Mean Value	-	-	-
Standard Deviation	-	-	-
Accepted Value	-	-	-
ANALYTICAL BLANK	<5	<.002	
Number of Analyses	1	1	
Mean Value	3	0.001	
Standard Deviation	-	-	
Accepted Value	<1	<.001	
GS91-1	52	0.036	
Number of Analyses	1	1	
Mean Value	52	0.036	
Standard Deviation	-	-	
Accepted Value	60	0.030	



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Geochemical I Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01554.0 (COMPLETE)

DATE RECEIVED: 17-AUG-01 DATE PRINTED: 27-AUG-01 PAGE 4A(7/ 8)

PROJECT: XCAQUENI.2400

SAMPLE NUMBER	ELEMENT UNITS	Au	PT	PD	Au Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	AL	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti
		PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	
UC102605		4	12	12	31.06	0.9	718	8	95	3	189	64	<1.0	<5	<5	6	>10.00	766	<25	167	288	101	<20	<20	<5	8.07	2.48	3.37	2.10	0.52	262	8	<10	11	19	9	<5	0.60
Duplicate						0.9	717	5	95	2	191	64	<1.0	<5	<5	<5	>10.00	757	<25	163	285	101	<20	<20	<5	7.54	2.37	3.28	1.97	0.47	248	7	<10	10	19	8	<5	0.59
UR212927		1	<5	2	30.90	<5	365	4	106	5	120	56	<1.0	<5	<5	<5	9.63	1457	<25	20	861	128	<20	<20	5	2.03	8.11	6.41	0.94	0.46	29	12	<10	13	9	40	<5	0.15
Duplicate						<5	358	6	105	4	117	56	<1.0	<5	<5	<5	9.47	1426	<25	20	844	127	<20	<20	6	1.94	7.88	6.24	0.94	0.46	27	12	<10	12	9	38	<5	0.15



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Geochemical I Report

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PROJECT: XCAQUENI.2400

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DATE RECEIVED: 17-AUG-01

DATE PRINTED: 27-AUG-01

PAGE 4B(8/ 8)

SAMPLE NUMBER	ELEMENT	Zr	S
	UNITS	PPM	PCT
UC102605		85	0.295
Duplicate		77	0.281
UR212927		38	0.563
Duplicate		38	0.552



BONDAR CLEGG



Geochemical La' Report

09/19/01 11:20 FAX 5207319131

GeoPro Services

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WMC INTERNATIONAL LTD.-EXPLORATION
MR. KELLY MONIER
C/O GEOPRO SERVICES
7225 EAST 28TH ST
TUCSON, AZ 85710



REPORT: V01-01508.0 (COMPLETE)

REFERENCE: ORDER #016101

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

SUBMITTED BY: J. EVEREST

PROJECT: KCAQUENI.3712

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010817	1 Au Au - FA35/36	187	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP
010817	2 Pt Pt - FA36	187	5 PPB	FIRE ASSAY	FIRE ASSAY-ICP
010817	3 Pd Palladium	187	1 PPB	FIRE ASSAY	FIRE ASSAY-ICP
010817	4 Au Wt1 Test Weight	187	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA
010817	5 Ag Ag - IC30	187	0.5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	6 Cu Cu - IC30	187	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	7 Pb Pb - IC30	187	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	8 Zn Zn - IC30	187	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	9 Mo Mo - IC30	187	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	10 Ni Ni - IC30	187	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	11 Co Co - IC30	187	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	12 Cd Cd - IC30	187	1.0 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	13 Bi Bi - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	14 As As - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	15 Sb Sb - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	16 Fe Tot Fe - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	17 Mn Mn - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	18 Te Te - IC30	187	25 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	19 Ba Ba - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	20 Cr Cr - IC30	187	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	21 V V - IC30	187	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	22 Sn Sn - IC30	187	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	23 W W - IC30	187	20 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	24 La La - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	25 Al Al - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	26 Mg Mg - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	27 Ca Ca - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	28 Na Na - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	29 K K - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	30 Sr Sr - IC30	187	1 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	31 Y Y - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	32 Ga Ga - IC30	187	10 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	33 Li Li - IC30	187	2 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	34 Nb Nb - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	35 Sc Sc - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	36 Ta Ta - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010817	37 Ti Ti - IC30	187	0.01 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	38 Zr Zr - IC30	187	5 PPM	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA
010817	39 S S - IC30	187	0.002 PCT	HF-HNO3-HClO4-HCL	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	181	? -200	181	TOTAL SAMPLE PREP	181
P PREPARED PULP	6	4 AS RECEIVED	6	SAMPLE SPLITS	9
				PULP VERIFICATION	6
				OVERWEIGHT/KG	90

REMARKS: Due to digestion limitations based upon sample mineralization, IC30 results for Al, Ba and Cr may vary. Carryover to the blanks due to the high levels of aluminum in the samples. RRD 08/17/01

REPORT COPIES TO: MR. JIM MCKINNON-MATTHEWS
MR. KELLY MONTIER

INVOICE TO: MS. ANNETTE BURT

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 1A(1/22)

PROJECT: MCAQUEEN_3712

Table with columns: SAMPLE NUMBER, ELEMENT, AU, PT, PD, AU, WGT, Ag, DI, Pb, Zn, Mo, Ni, Co, Cd, BT, Ar, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample numbers QD01101 through QD01130.

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15



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Geochemical Lab Report

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REPORT: W01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 18(2/22)

PROJECT: MCAQUENT.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
0001101		0.90	41	0.238
0001102		0.57	96	0.071
0001103		0.27	97	0.104
0001104		0.30	76	0.128
0001105		0.21	55	0.212
0001106		0.22	52	0.289
0001107		0.22	69	0.225
0001108		0.19	57	0.323
0001109		0.20	59	0.371
0001110		0.20	96	0.183
0001111		0.22	53	0.306
0001112		0.92	42	0.537
0001113		0.49	31	0.891
0001114		0.24	29	0.102
0001115		0.28	31	1.428
0001116		0.28	31	0.100
0001117		0.17	20	2.440
0001118		0.20	27	0.228
0001119		0.31	29	0.059
0001120		0.59	62	0.093
0001121		0.53	41	0.078
0001122		0.59	58	0.096
0001123		0.38	24	0.575
0001124		1.15	67	0.141
0001125		0.06	15	6.062
0001126		0.34	51	0.259
0001127		0.32	28	0.076
0001128		0.45	40	0.079
0001129		0.33	35	0.074
0001130		0.41	38	0.067

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Geochemical Lab Report

CLIENT: MNC INTERNATIONAL LTD.-EXPLORATION
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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 2A(3/22)

PROJECT: XCAQUENI-3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, Li, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Tl) with their respective concentrations and units.



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Geochemical Lab Report

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DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PAGE 2B(4/22)

PROJECT: XCAQJEM1.3712

SAMPLE NUMBER	ELEMENT UNITS	T1 PCT	T2 PPM	S PCT
0901131		0.38	34	0.078
0901132		0.37	35	0.061
0901133		0.38	31	0.065
0901134		1.51	126	0.138
0901135		0.38	32	0.097
0901136		0.27	29	0.071
0901137		0.44	31	0.089
0901138		0.41	37	0.078
0901139		0.32	29	0.059
0901140		0.27	28	0.063
0901141		0.26	27	0.058
0901142		0.25	28	0.057
0901143		0.22	23	0.055
0901144		0.22	24	0.059
0901145		0.24	27	0.056
0901146		0.25	29	0.057
0901147		0.24	28	0.060
0901148		0.33	31	0.063
0901149		0.25	27	0.054
0901150		0.06	15	5.693
0901151		0.31	28	0.066
0901152		0.29	25	0.061
0901153		0.45	33	0.078
0901154		0.41	32	0.068
0901155		0.40	34	0.071
0901156		0.40	36	0.070
0901157		0.68	48	0.099
0901158		0.61	40	0.086
0901159		0.40	30	0.078
0901160		0.41	29	0.073

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18



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Geochemical La' Report

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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PROJECT: KCAQUENI .3712
PAGE JA(5/22)

Table with columns: SAMPLE NUMBER, ELEMENT, ALIQUOT, ANALYTICAL METHOD, and various chemical elements (As, Ag, Au, Ba, Bi, Br, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mn, Mo, Ni, Pb, Pt, Se, Sn, Sr, Tl, U, V, W, Zn, Zr) with their respective concentrations and units.

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Geochemical La' Report

CLIENT: UNC INTERNATIONAL LTD. - EXPLORATION

PROJECT: KICAJUENI .3712

REPORT: V01-01508.D (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PAGE 38(6/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
0001161		0.38	29	0.072
0001162		0.41	31	0.071
0001163		0.36	26	0.069
0001164		0.49	38	0.082
0001165		0.45	34	0.077
0001166		0.46	33	0.072
0001167		0.49	33	0.075
0001168		0.45	32	0.075
0001169		0.52	35	0.083
0001170		0.51	37	0.088
0001171		0.58	36	0.084
0001172		0.51	36	0.086
0001173		0.55	47	0.070
0001174		0.57	54	0.075
0001175		0.06	17	5.523
0001176		0.67	52	0.088
0001177		0.70	48	0.088
0001178		0.80	61	0.100
0001179		0.89	62	0.116
0001180		0.59	53	0.079
0001181		0.65	50	0.075
0001182		0.60	37	0.073
0001183		0.57	52	0.064
0001184		0.42	37	0.081
0001185		0.46	42	0.086
0001186		0.50	46	0.079
0001187		0.52	47	0.082
0001188		0.71	61	0.086
0001189		0.61	52	0.089
0001190		0.60	54	0.085

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20



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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 4A(7/22)

PROJECT: KCAQUEMI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, No, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sr, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Fe) with their respective concentrations in PPM or PCT.



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Geochemical Lab Report

CLIENT: MNC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 48(8/22)

PROJECT: KCAQUENI .3712

SAMPLE NUMBER	ELEMENT UNITS	T1 PCT	Zr PPM	S PCT
C001191		0.65	59	0.082
C001192		0.60	56	0.085
C001193		0.66	55	0.082
C001194		0.59	52	0.086
C001195		0.58	54	0.088
C001196		0.55	41	0.100
C001197		0.92	62	0.097
C001198		1.19	59	0.100
C001199		2.39	91	0.264
C001200		0.52	45	0.087
C001201		0.52	48	0.076
C001202		0.52	47	0.083
C001203		0.84	60	0.097
C001204		0.51	41	0.106
C001205		0.51	49	0.095
C001206		1.19	244	0.113
C001207		0.49	47	0.097
C001208		0.53	53	0.087
C001209		0.54	51	0.080
C001210		0.64	54	0.097
C001211		1.40	84	0.149
C001212		1.76	152	0.166
C001213		1.83	82	0.216
C001214		0.37	39	0.065
C001215		0.50	50	0.064
C001216		0.52	50	0.066
C001217		0.50	54	0.063
C001218		0.39	46	0.068
C001219		0.47	47	0.061
C001220		0.41	46	0.063

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22



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Geochemical La' Report

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PROJECT: KCAQJENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, Au, Pt, Pd, Au Wt, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe Tot, Mn, Te, Ba, Cr, V, Sr, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta. Rows include sample numbers like Q001221, Q001222, Q001223, Q001224, Q001225, Q001226, Q001227, Q001228, Q001229, Q001230, Q001231, Q001232, Q001233, Q001234, Q001235, Q001236, Q001237, Q001238, Q001239, Q001240, Q001241, Q001242, Q001243, Q001244, Q001245, Q001246, Q001247, Q001248, Q001249, Q001250.

09/19/01 11:20 FAX 5207319131

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23



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: VD1-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 58(10/22)

PROJECT: NCAQUM1.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
Q01221		0.41	44	0.068
Q01222		0.42	44	0.068
Q01223		0.41	44	0.067
Q01224		0.46	48	0.064
Q01225		0.06	78	5.276
Q01226		0.50	50	0.067
Q01227		0.51	53	0.060
Q01228		0.46	51	0.064
Q01229		0.47	52	0.063
Q01230		0.47	49	0.066
Q01231		0.45	47	0.077
Q01232		0.48	50	0.071
Q01233		0.52	55	0.071
Q01234		0.53	56	0.073
Q01235		0.54	53	0.069
Q01236		0.54	56	0.068
Q01237		0.48	52	0.070
Q01238		0.52	56	0.065
Q01239		0.56	59	0.068
Q01240		0.55	57	0.064
Q01241		0.56	57	0.068
Q01242		0.53	54	0.068
Q01243		0.57	58	0.069
Q01244		0.63	59	0.070
Q01245		0.54	56	0.063
Q01246		0.57	60	0.063
Q01247		0.60	58	0.065
Q01248		0.56	55	0.066
Q01249		0.56	59	0.065
Q01250		0.06	25	4.577

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24



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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 6A(11/22)

PROJECT: XCAQUENI.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Hg, Ca, Na, K, Sr, Y, Zr, Li, Nb, Sc, Ta) with their respective concentrations and units.

09/19/01 11:20 FAX 5207319131 Geopro Services 25



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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 68(12/22)

PROJECT: MCAQUENT.3712

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
0001251		0.61	61	0.066
0001252		0.55	56	0.061
0001253		0.57	58	0.061
0001254		0.51	54	0.062
0001255		0.51	56	0.062
0001256		0.52	58	0.064
0001257		0.57	62	0.062
0001258		0.60	60	0.065
0001259		0.50	54	0.065
0001260		0.54	59	0.065
0001261		0.54	60	0.067
0001262		0.54	61	0.067
0001263		0.57	60	0.067
0001264		0.57	61	0.060
0001265		0.61	60	0.063
0001266		0.57	60	0.069
0001267		0.59	58	0.067
0001268		0.57	58	0.065
0001269		0.51	54	0.071
0001270		0.56	53	0.074
0001271		0.62	62	0.068
0001272		0.60	65	0.061
0001273		0.63	64	0.063
0001274		0.65	64	0.061
0001275		0.06	29	4.648
0001276		0.64	63	0.066
0001277		0.64	63	0.067
0001278		0.65	62	0.065
0001279		0.64	62	0.069
0001280		0.57	59	0.069

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28



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DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 7A(13/22)

PROJECT: NCAQUENI.3712

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	PT PPB	Pd Au Wt) GM PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
0201281		2	<1	30.65	<5	19	<2	55	<1	165	38	1.2	<5	<5	<5	4.39	657	<25	125	133	81	<20	<20	7	6.09	2.54	3.83	2.34	0.60	303	12	<10	5	<5	8	<5
0201282		1	<1	32.14	<5	18	<2	55	2	168	37	<1.0	<5	<5	<5	4.60	683	<25	145	136	88	<20	<20	7	6.94	2.77	4.76	2.48	0.59	349	13	<10	5	<5	10	<5
0201283		2	<1	32.67	<5	25	<2	54	<1	140	37	<1.0	<5	<5	<5	4.49	654	<25	148	138	86	<20	<20	8	7.39	2.57	4.88	2.56	0.60	363	13	<10	5	<5	10	<5
0201284		2	<1	31.93	<5	24	<2	57	<1	190	42	<1.0	<5	<5	<5	4.93	723	<25	152	141	80	<20	<20	8	7.13	3.18	4.90	2.46	0.58	352	13	<10	5	<5	10	<5
0201285		2	<1	30.93	<5	32	<2	62	2	166	43	<1.0	<5	<5	<5	5.47	798	<25	161	125	90	<20	<20	9	7.41	3.22	5.03	2.57	0.59	359	14	<10	6	<5	11	<5
0201286		3	<1	31.79	<5	40	<2	64	3	206	47	1.1	<5	<5	<5	5.75	833	<25	140	103	68	<20	<20	6	6.90	3.37	4.53	2.32	0.53	327	10	<10	5	<5	7	<5
0201287		5	<1	30.90	<5	39	<2	57	2	158	42	<1.0	<5	<5	<5	5.15	767	<25	145	156	78	<20	<20	7	6.94	3.04	4.87	2.38	0.55	325	11	<10	5	<5	9	<5

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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION

PROJECT: KCAQUENT-3712

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PAGE 7B(14/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti		Zr		S	
		PCT	PPM	PCT	PPM	PCT	PPM
0201281		0.61	62	0.064			
0201282		0.57	59	0.068			
0201283		0.58	61	0.068			
0201284		0.55	57	0.066			
0201285		0.61	59	0.079			
0201286		0.46	51	0.079			
0201287		0.49	55	0.071			

09/19/01 11:20 FAX 5207319131

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28



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Geochemical Lab Report

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REPORT: V01-015DB.D (COMPLETE)

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE BA(15/22)
PROJECT: XCAQUENI.J712

STANDARD NAME	ELEMENT UNITS	Au	PT	PD	AU Wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	
		PPB	PPB	PPB	GM PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM		
ST 248		1292	89	701																																		
ST 248		931	78	542																																		
ST 248		924	80	605																																		
Number of Analyses		3	3	3																																		
Mean Value		1049	82	616																																		
Standard Deviation		211	6	80																																		
Accepted Value		1010	91	635																																		
ANALYTICAL BLANK		2	<5	2		<.5	1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	0.07	<5	<25	<5	2	<2	<20	<20	<5	0.12	<0.01	0.02	0.01	0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		<1	<5	1		<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	0.03	<5	<25	<5	<2	<2	<20	<20	<5	0.04	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		<1	<5	1		<.5	<1	<2	<2	<1	<1	<1	<1.0	<5	<5	<5	0.03	<5	<25	<5	<2	<2	<20	<20	<5	0.03	<0.01	<0.01	0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		1	<5	2		<.5	1	<2	2	<1	<1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		2	<5	<1		<.5	1	<2	<2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
ANALYTICAL BLANK		-	-	-		<.5	2	<2	2	<1	1	<1	<1.0	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5	
Number of Analyses		5	5	5		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Mean Value		1	3	1		0.3	1	1	1	<1	<1	<1	0.5	3	3	3	0.02	3	13	3	1	1	10	10	5	0.04	<0.01	0.01	0.01	0.01	<1	3	5	1	3	3	3	
Standard Deviation		<1	-	<1		-	<1	<1	-	-	<1	-	-	-	-	-	0.02	-	-	-	<1	-	-	-	-	0.05	-	0.01	<0.01	<0.01	-	-	-	-	-	-		
Accepted Value		5	5	5		<0.01	0.2	1	2	1	1	1	0.5	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	-	<0.01	<0.01	-	<0.01	<1	<1	<1	<1	<1	<1	<1	
CANMET LKSD-2		-	-	-		<.5	35	38	239	1	27	20	1.0	<5	14	<5	4.24	1891	<25	712	41	79	<20	<20	69	6.17	0.93	1.43	1.53	2.37	239	40	<10	23	12	12	<5	
CANMET LKSD-2		-	-	-		<.5	33	49	196	2	23	19	<1.0	<5	10	<5	3.87	1915	<25	650	42	68	<20	<20	59	5.75	0.90	1.47	1.44	1.91	229	38	<10	19	15	11	<5	
Number of Analyses		-	-	-		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mean Value		-	-	-		0.3	34	43	217	2	25	19	0.8	3	12	3	4.06	1903	13	681	41	74	10	10	64	5.96	0.91	1.45	1.49	2.14	234	39	5	21	13	12	3	
Standard Deviation		-	-	-		-	2	8	30	<1	3	<1	0.4	-	3	-	0.26	17	-	44	<1	8	-	-	7	0.30	0.02	0.03	0.06	0.33	7	<1	-	2	2	<1		
Accepted Value		-	-	-		0.8	37	44	209	2	28	17	0.8	-	9	1	4.30	2020	-	780	57	77	5	-	68	6.50	1.01	1.57	1.43	2.19	220	44	-	20	16	13	<1	



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Geochemical Lab Report

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REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: KCAQJENT.3712
PAGE 88(16/22)

STANDARD NAME	ELEMENT LIMITS	Ti PCT	Zr PPM	S PCT
ST 248	-	-	-	-
ST 248	-	-	-	-
ST 248	-	-	-	-
Number of Analyses	-	-	-	-
Mean Value	-	-	-	-
Standard Deviation	-	-	-	-
Accepted Value	-	-	-	-

ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	
ANALYTICAL BLANK	<.01	<5	<.002	

ANALYTICAL BLANK	<.01	<5	<.002	
Number of Analyses	6	6	6	
Mean Value	<.01	3	0.001	
Standard Deviation	-	-	<.001	
Accepted Value	<.01	<1	<.001	

CANMET LKSD-2	0.32	137	0.161	
CANMET LKSD-2	0.32	132	0.150	
Number of Analyses	2	2	2	
Mean Value	0.32	135	0.155	
Standard Deviation	<.01	3	0.008	
Accepted Value	0.40	128	0.140	

09/19/01 11:20 FAX 5207319131

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30



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01508.0 (COMPLETE)

PROJECT: MCAQMI.3712
DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 9A(17/22)

STANDARD NAME	ELEMENT	Au	PT	PD	Au	Hf	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Str	Y	Ga	Li	Nb	Sc	Ta
	UNITS	PPB	PPB	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	
CANMET STSD-4		-	-	-	-	<.5	62	12	91	2	30	19	1.3	<.5	10	<.5	3.92	1436	425	1792	69	107	<20	<20	22	6.30	1.16	2.61	2.11	1.38	375	21	<10	15	12	13	<.5		
CANMET STSD-4		-	-	-	-	<.5	57	10	95	1	28	17	<1.0	<.5	8	<.5	3.54	1392	425	1666	73	104	<20	<20	19	5.37	1.14	2.61	2.15	1.47	370	21	<10	14	14	12	<.5		
Number of Analyses		-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		-	-	-	-	0.3	60	11	93	2	29	18	0.9	3	9	3	3.73	1414	13	1729	71	105	10	10	20	5.83	1.15	2.61	2.13	1.43	372	21	5	14	13	12	3		
Standard Deviation		-	-	-	-		5	1	3	<1	2	1	0.6	-	1	-	0.27	31		89	3	2	-	-	2	0.65	0.01	-	0.03	0.06	4	<1	-	<1	1	<1	-		
Accepted Value		-	-	-	-	0.3	66	16	107	2	30	13	0.6	-	15	7	4.10	1520	-	2000	66	106	2	-	24	6.40	1.28	2.86	2.00	1.33	350	24	-	14	9	14	<1		

ST 260	784	1960	1366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST 260	869	2307	1592	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	827	2133	1479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	60	245	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value	880	2230	1510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

GS91-1		-	-	-	-	<.5	90	7	87	2	40	25	1.3	<.5	7	<.5	4.95	788	425	616	93	193	<20	<20	10	6.50	1.82	1.82	1.92	1.09	269	13	<10	30	13	20	<.5	
GS91-1		-	-	-	-	<.5	88	4	82	2	36	24	<1.0	<.5	<.5	<.5	4.55	794	425	562	93	185	<20	<20	9	5.94	1.78	1.83	1.82	1.08	247	13	<10	27	17	18	<.5	
Number of Analyses		-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		-	-	-	-	0.3	89	5	84	2	38	25	0.9	3	5	3	4.75	791	13	589	93	189	10	10	10	6.22	1.80	1.83	1.87	1.09	248	13	5	29	15	19	3	
Standard Deviation		-	-	-	-		1	2	3	<1	3	1	0.6	-	3	-	0.29	4		38	4	6	-	-	<1	0.40	0.03	0.01	0.07	0.01	2	<1	-	2	2	1	-	
Accepted Value		-	-	-	-	0.7	99	11	88	2	40	18	0.1	1	8	1	4.95	850	-	800	108	175	4	2	10	8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1	



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Geochemical Lab Report

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REPORT: VD1-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: KCAQJENI_3712
PAGE 98(18/22)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
CANMET STSD-4		0.40	55	0.105
CANMET STSD-4		0.42	57	0.100
Number of Analyses		2	2	2
Mean Value		0.41	56	0.103
Standard Deviation		0.02	2	0.004
Accepted Value		0.46	53	0.090

ST 260	-	-	-	-
ST 260	-	-	-	-
Number of Analyses	-	-	-	-
Mean Value	-	-	-	-
Standard Deviation	-	-	-	-
Accepted Value	-	-	-	-

GS91-1	0.51	45	0.028
GS91-1	0.50	47	0.028
Number of Analyses	2	2	2
Mean Value	0.50	46	0.028
Standard Deviation	<.01	1	<.001
Accepted Value	0.51	60	0.030

09/19/01 11:20 FAX 5207319131

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32



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Geochemical Lab Report

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REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 10A(19/22)

PROJECT: KCAQLENT.3712

Table with columns: SAMPLE NUMBER, ELEMENT UNITS, and various chemical elements (Au, Pt, Pd, Au, W, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Tot, Mn, Fe, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta) with corresponding values and units.

09/19/01 11:20 FAX 5207319131

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233



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: KCAQUEMI.3712
PAGE 108 (20/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
0001109		0.20	59	0.371
Duplicate		0.20	60	0.430
0001122		0.59	58	0.096
Duplicate				
0001126		0.34	31	0.259
Duplicate		0.34	32	0.239
0001146		0.25	29	0.057
Duplicate		0.25	25	0.063
0001163		0.36	28	0.069
Duplicate		0.35	29	0.066
0001168		0.45	32	0.075
Duplicate				
0001183		0.57	52	0.064
Duplicate		0.58	51	0.061
0001192		0.60	56	0.085
Duplicate				
0001200		0.52	45	0.087
Duplicate		0.52	45	0.081
0001214		0.37	39	0.065
Duplicate				
0001220		0.41	46	0.063
Duplicate		0.44	47	0.064
0001237		0.48	52	0.070
Duplicate		0.49	53	0.067

09/19/01 11:20 FAX 5207319131

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34



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Geochemical Lab Report

CLIENT: WNC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: KICARUENI .3712
PAGE 11A(21/22)

SAMPLE NUMBER	ELEMENT UNITS	Au	Pt	Pd	Au Wt%	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	Lr	Al	Mg	Ca	Na	K	Str	Y	Ga	Li	Mb	Sc	Ta
		PPB	PPB	PPB	GM PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM		
0001238 Duplicate		<1	<5	<1	31.25	<5	22	<2	53	<1	146	40	<1.0	<5	<5	<5	4.55	666	<25	158	92	77	<20	<20	7	7.68	2.86	5.45	2.38	0.58	365	12	<10	5	<5	9	6	
0001257 Duplicate		<1	<5	<1	32.94	<5	16	<2	55	<1	143	38	1.1	<5	<5	<5	4.64	682	<25	163	129	79	<20	<20	8	7.26	2.62	4.90	2.25	0.64	330	12	<10	5	<5	8	5	
0001260 Duplicate		2	<5	1	31.72	<5	12	<2	52	<1	133	36	1.1	<5	<5	<5	4.47	647	<25	166	129	77	<20	<20	7	8.51	2.78	5.52	2.51	0.70	374	13	<10	5	<5	9	5	
0001274 Duplicate		1	<5	<1	32.40	<5	16	<2	52	<1	162	39	<1.0	<5	<5	<5	4.34	653	<25	155	138	89	<20	<20	9	6.69	2.69	4.61	2.40	0.72	335	14	<10	5	<5	9	5	
0001284 Duplicate		2	<5	<1	31.93	<5	24	<2	57	<1	190	42	<1.0	<5	<5	<5	4.93	723	<25	152	141	80	<20	<20	8	7.13	3.18	4.90	2.46	0.58	352	13	<10	5	<5	10	5	

08/18/01 11:20 FAX 5207319131

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35



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Geochemical Lab Report

CLIENT: WMC INTERNATIONAL LTD.-EXPLORATION
REPORT: V01-01508.0 (COMPLETE)

DATE RECEIVED: 10-AUG-01

DATE PRINTED: 28-AUG-01

PROJECT: KCAQUEMI.3712
PAGE 118(22/22)

SAMPLE NUMBER	ELEMENT UNITS	Ti	Zr	S
		PCT	PPM	PCT
0001238 Duplicate		0.52	56	0.065
0001257 Duplicate		0.57	62	0.062
		0.58	64	0.064
0001260 Duplicate		0.54	59	0.065
0001274 Duplicate		0.65	64	0.061
		0.64	66	0.060
0001284 Duplicate		0.55	57	0.066

09/18/01 11:20 FAX 5207319131

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38