ASSESSEMENT WORK
DRILL REPORT
2012 DRILL PROGRAM
MURDOCK CREEK PROJECT
TECK TOWNSHIP
LARDER LAKE MINING DIVISION
KIRKLAND LAKE, ONTARIO
NTS 32-D-04

WAYNE R. BENHAM, P. GEO.
OSISKO MINING CORPORATION

TORONTO, ONTARIO
February, 2013

ASSESSMENT WORK
DRILL REPORT
2012 DRILL PROGRAM
MURDOCK CREEK PROJECT
TECK TOWNSHIP
LARDER LAKE MINING DIVISION
KIRKLAND LAKE, ONTARIO
NTS 32-D-04

TABLE of CONTENTS

SUMMARY 1

1.0 INTRODUCTION 2

2.0 DESCRIPTION, LOCATION AND HISTORY 2

3.0 GEOLOGICAL SETTING 6

3.1 REGIONAL GEOLOGY 6

3.2 KIRKLAND LAKE CAMP 7

3.3 PROJECT GEOLOGY and MINERALIZATION 8

4.0 GEOPHYSICAL SURVEYS 10

5.0 2012 MURDOCK CREEK DRILLING PROGRAM 13

4.1 INTRODUCTION 13

4.2 CORE LOGGING, SAMPLING and ASSAYING PROCEDURES 14

4.3 DRILL RESULTS 15

6.0 CONCLUSIONS and RECOMMENDATIONS 16

7.0 REFERENCES 17

LIST OF FIGURES, TABLES and APPENDICES

Fig. 1 Claim Map 3

Fig. 2 Regional Setting 6

Fig. 3 Kirkland Lake Area Geology 7

Fig. 4 Property Geology 9

Fig. 5 Magnetic Map with IP Anomalies 11

Fig. 6 Geology Map with IP Anomalies 12

Table 1 Claim List 4

Table 2 Drill Hole Locations 16

Appendix I Surface Rights PIN Abstracts

Appendix II Drill Logs - Holes MC12_01 to MC12_06

Appendix III Assay Certificates

Appendix IV Drill Plan 1:5,000
Drill Hole Cross Sections 1:2,500

Summary

The Murdock Creek project is located south of the Town of Kirkland Lake in Teck Township in the Larder Lake Mining Division in northeastern Ontario. The project covers Osisko Mining Corporation (OSK) 100% owned Teck A & B and Amalgamated Kirkland properties. The purpose of the Murdock Creek project was to explore the Murdock Creek syenite intrusive complex located between two regional structures, the Larder Lake Deformation Zone (LLDZ) and the South Break. Previous exploration work had discovered anomalous gold mineralization in pyritic sericitic carbonated altered syenites. Magnetic and IP geophysical surveys were completed during the winter of 2012 and detected anomalies which warranted drill testing. This report describes the results the 2012 diamond drilling completed on the Murdock Creek project by Queenston Mining Inc. May to December, 2012. All assets of Queenston Mining Inc. were acquired by Osisko Mining Corporation on December 28, 2012.

A total of 5,305 metres of NQ diameter drilling in 6 holes were drilled by Cabo Drilling (Ontario) Corporation from Kirkland Lake, Ontario. Drilling was started on May 5, 2012 and it was completed on October 30, 2012. Although pyritic quartz carbonate vein zones in sericitic altered syenite porphyry dykes and green carbonated altered ultramafic volcanics were intersected, no economic gold mineralization was discovered. Two drill holes are recommended for the Murdock Creek project.

ASSESSMENT WORK
DRILL REPORT
2012 DRILL PROGRAM
MURDOCK CREEK PROJECT
TECK TOWNSHIP
LARDER LAKE MINING DIVISION
KIRKLAND LAKE, ONTARIO
NTS 32-D-04

1.0 Introduction

The Murdock Creek project is located south of the Town of Kirkland Lake in Teck Township in the Larder Lake Mining Division in northeastern Ontario. The project covers Osisko Mining Corporation (OSK) 100% owned Teck A & B and Amalgamated Kirkland properties. The purpose of the Murdock Creek project was to explore the Murdock Creek syenite intrusive complex located between two regional structures, the Larder Lake Deformation Zone (LLDZ) and the South Break. Previous exploration work had discovered anomalous gold mineralization in pyritic sericitic carbonated altered syenites. Magnetic and IP geophysical surveys were completed during the winter of 2012 and detected anomalies which warranted drill testing. This report describes the results the 2012 diamond drilling completed on the Murdock Creek project by Queenston Mining Inc. May 1 to December 20, 2012. All assets of Queenston Mining Inc. were acquired by Osisko Mining Corporation on December 28, 2012.

2.0 Description, Location and History

The claims are located in the central part of Teck Township in the Larder Lake Mining Division in the Kirkland Lake gold camp in northeastern Ontario (Figures 1 & 1a). The Teck A & B property consists of 60 mining claim units comprised of one patented claim, four mining leases (17 claim units) and 42 unpatented claims owned 100% by OSK. The Amalgamated Kirkland property consists of one mining lease (20 claim units) 100% owned by OSK. Claims are listed in Table 1. These mining claims were formerly held by Queenston Mining Inc. All assets of Queenston Mining Inc. were acquired by Osisko Mining Corporation on December 28, 2012. Queenston Mining Inc. name was changed to Osisko Mining Ltd. in the MNDM claim abstract records on February 5, 2013.

Surface rights are owned by the Corporation of the Town of Kirkland Lake on 22 surface patents in the area of the line cutting grid and by Maree Investment Corporation on claim 4240422 and by Osisko Mining Ltd. on patented claim P6817 and by the Crown on the rest of the mining claims. PIN abstracts and Notices of Intent to Perform Assessment Work, which were sent to Maree and the Town of Kirkland Lake, are located in Appendix I.

Access to the property is by old drill and bush roads from the end of Earl Street in Kirkland Lake

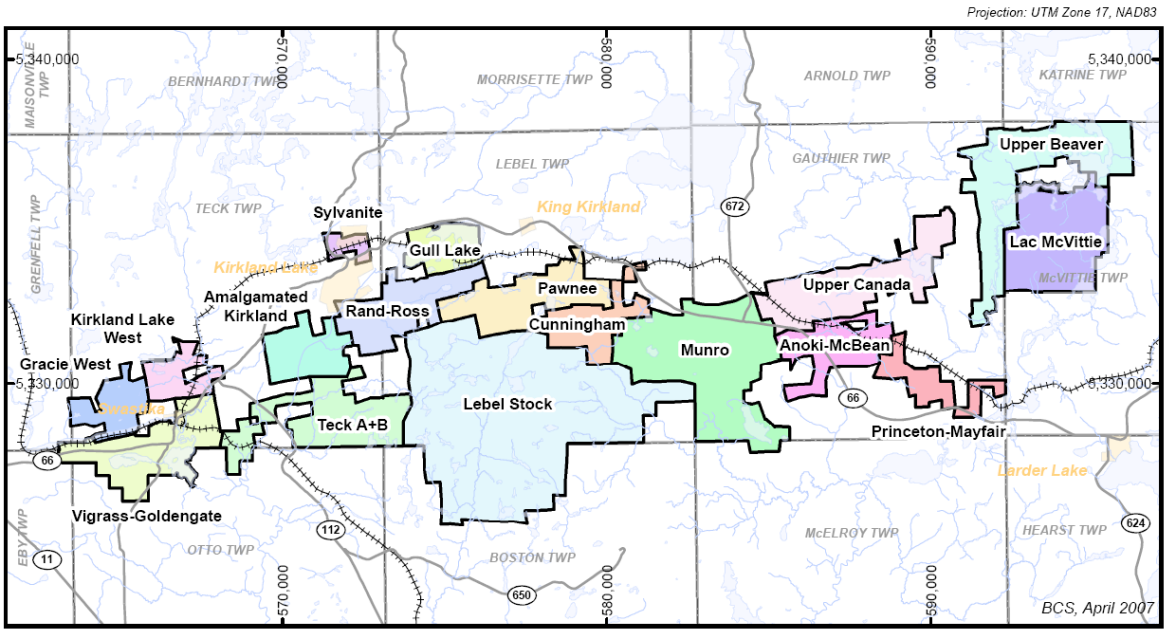


Figure 1

Queenston Mining Inc.
Kirkland Lake Gold Camp *Larder Lake Mining Division*
PROPERTY MAP

N
W E
S

0 2 4
Kilometres

Figure 1

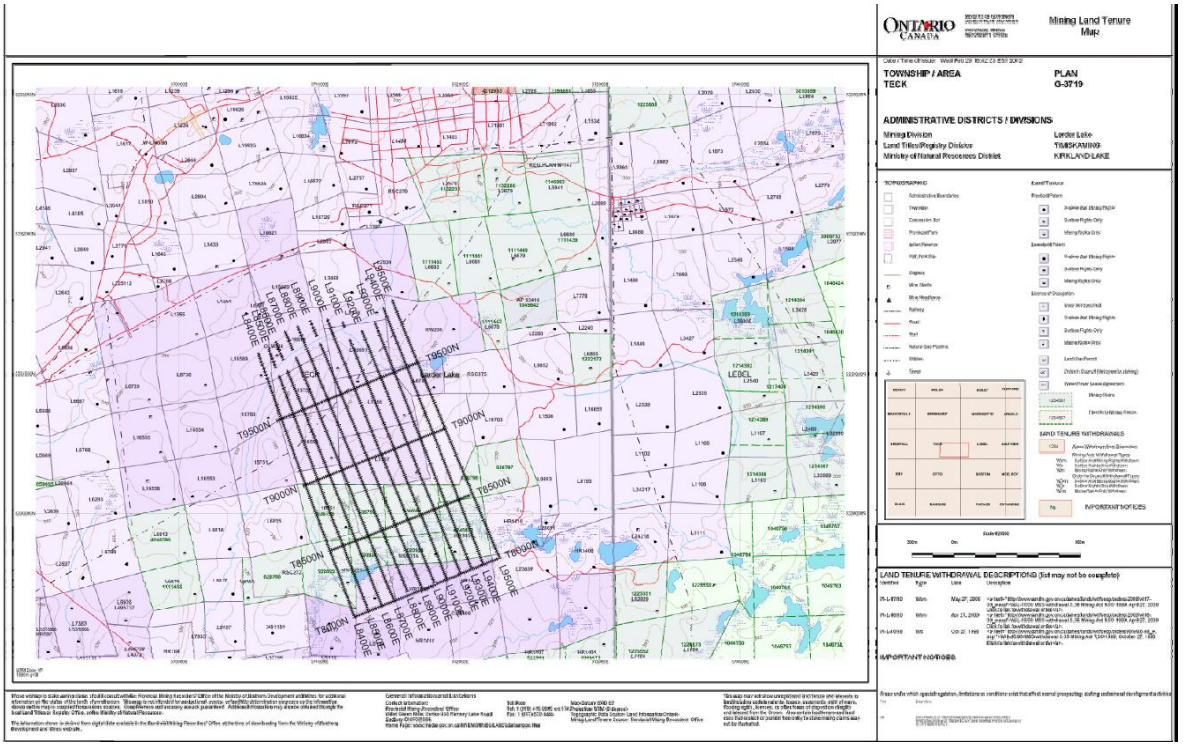


Figure 1a

Table 1
Claim List

Claim Number	Units	Township	Claim Type	Rights	Due Date	Comments
P16457-16459	3	Otto	Patented	MRO	na	
P6817	1	Teck	Patented	M + SR	na	
106130	3	Teck	Lease	MRO	2012-Feb-29	Renewal pending
106131	2	Teck	Lease	MRO	2012-Feb-29	Renewal pending
CLM400 106583	10	Teck	Lease	MRO	2012-May-31	Renewal pending
106571	2	Teck	Lease	MRO	2012-May-31	Renewal pending
CLM328 106667	20	Teck	Lease	MRO	2012-May-31	Renewal pending
620929	1	Teck	Unpatented	MRO	2014-Oct-13	
620930-620931	2				2014-Oct-19	
620932	1				2014-Nov-9	
626766	1	Teck	Unpatented	MRO	2014-Oct-5	
626767	1	Teck	Unpatented	MRO	2014-Nov-18	
626769	1				2014-Aug-14	
636796-636797	2				2014-Nov-30	
636798-636799	2	Teck	Unpatented	MRO	2014-Nov-26	
636800	1				2014-Nov-20	
822938-822940	3	Teck	Unpatented	MRO	2014-Jan-24	
891865	1	Teck	Unpatented	MRO	2014-Feb-16	
981871	1	Teck	Unpatented	MRO	2014-Sept-1	
981876	1	Teck	Unpatented	MRO	2014-Aug-11	
1046466-1046473	8	Teck	Unpatented	MRO	2014-June-8	
1046474-1046477	4	Lebel	Unpatented	MRO	2017-June-8	
1111433	1	Teck	Unpatented	MRO	2014-June-1	
1203540	2	Teck	Unpatented	MRO	2014-Sept-26	
1225550-1225552	3	Lebel	Unpatented	MRO	2017-Apr-9	
1226873	1	Lebel	Unpatented	MRO	2017-May-13	
3006754	1	Teck	Unpatented	MRO	2014-June-2	
4240422	1	Teck	Unpatented	MRO	2015-June-4	
	80				**As of**	**2013-Feb-19**

Limited previous work is recorded on the Teck Township portion of the claim group prior to 1977, when the claims were staked by Jomi Minerals and Expediting Ltd., although a number of historic pits and trenches are noted in the field and shown on the geological map by Thomson (1948). Assessment data by Duffy, Hansen and Gray on the 'Duffy' showing area, in the southeastern part of Teck Township, are incomplete in the Resident Geologist's files. Very early work, however, is recorded in Lebel Township on the Dane copper prospect. The exploration history of the Teck A & B property is summarized as:

1911-15: Dane Mining; 2 shafts - #1 to 200 ft with 200 ft lateral development of the 50 and 100-ft levels, #2 to 100 ft; some 'ore' shipped between 1911 and 1913 (data on production unclear).
1951: Consular Harker Mines; #1 shaft dewatered, 2 x-ray drillholes.
1952: Bergey, W. R.; self-potential survey (Dane copper area).
1956: Iso Uranium Mines (option); #1 shaft dewatered, 5 drillholes (481 m).
1963: Duffy, Dennis; prospecting, stripping and trenching (the Duffy showing area).
1968: Hansen, Albert; 2 drillholes (62 m).
1969-70: Nucleonic Mines; 6 surface drillholes (614 m) – Lebel Twp.
1971: Gray, James; 4 drillholes (123 m).
1974-76: Duffy, Dennis; stripping, trenching.
1977-81: Jomi Minerals and Expediting Ltd; prospecting, magnetic, radiometric and VLF-EM surveys.
1982: Labrador Exploration; mapping, magnetic, HLEM surveys; 5 drillholes (594 m).
1985: Rio Algom Exploration; prospecting, IP survey; 4 drillholes (653.5 m).
1988-89: HSK Minerals; mapping, soil geochem, magnetic, VLF and IP surveys; discover 'DK' showing.
1989-91: Battle Mountain Canada; airborne magnetic and VLF-EM survey; ground magnetic, VLF, overburden stripping, sampling, mapping surveys; 3 drillholes (348 m).
1990: Crichton, R.; 3 drillholes (137 m) in Lebel Twp.
1996-2001: Queenston – Franco-Nevada joint venture; reconnaissance mapping (1998).
2002-2011: Queenston – No exploration activity.

No historic or current mineral resources occur on the Teck A & B property. (After DRA 2007)

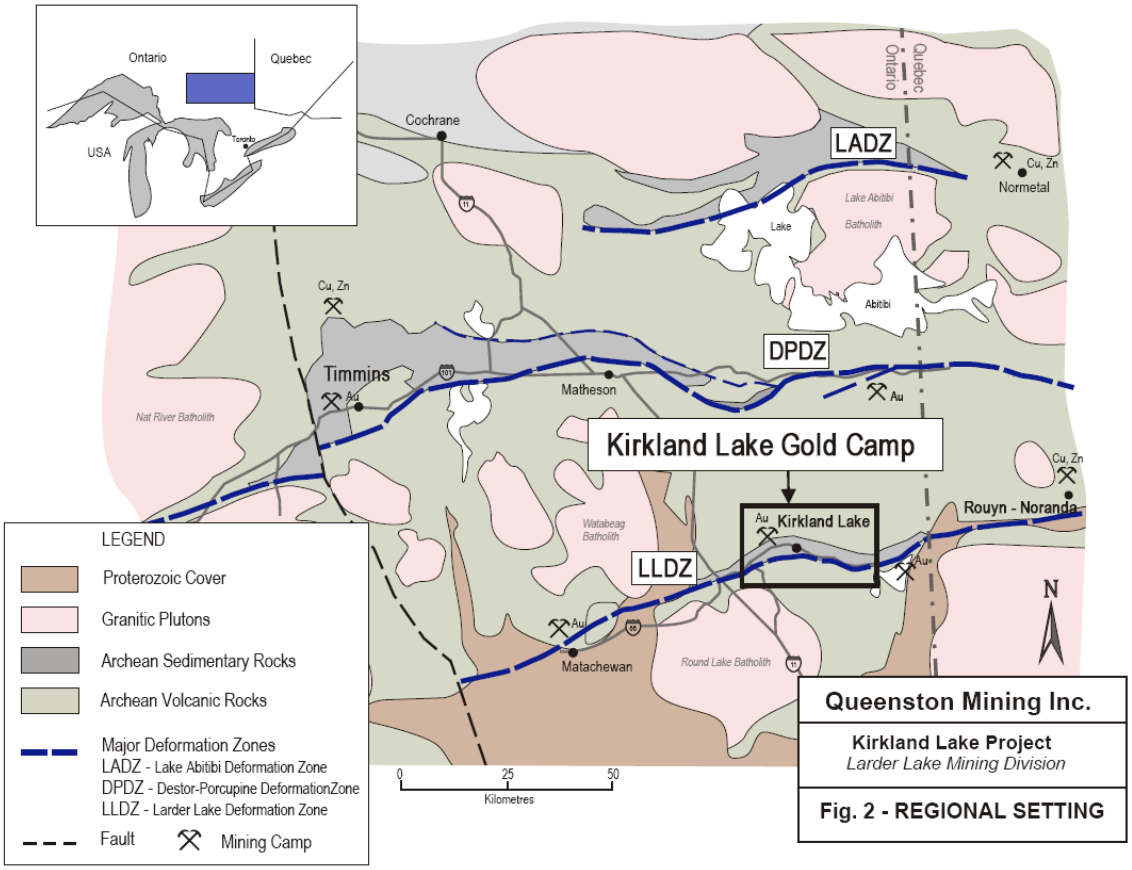
On the Amalgamated Kirkland property extensive exploration from 1989-present has explored the AK gold deposit which contains estimated indicated mineral resources of 1,145,000 tonnes grading 6.65 g/t Au (171,800 ounces Au) and inferred resources of 1,530,000 grading 4.38 g/t Au (216,000 ounces Au).

3.0 Geological Setting

3.1 **Regional** (Modified from D. R. A., November 2007)

The Kirkland Lake Gold Camp is located in the south central portion of the Abitibi Greenstone Belt within the Archean Superior Province of the Canadian Shield. It is situated on the south limb of the regional Blake River synclinorium. The northern and southern limbs of the synclinorium are truncated respectively by the east-trending, Destor-Porcupine and the Cadillac-Larder Lake breaks. The majority of the historical gold production in the Abitibi Greenstone Belt is spatially associated with these two regional structures (Figure 2).

Figure 2



(From D. R. A., November 2007)

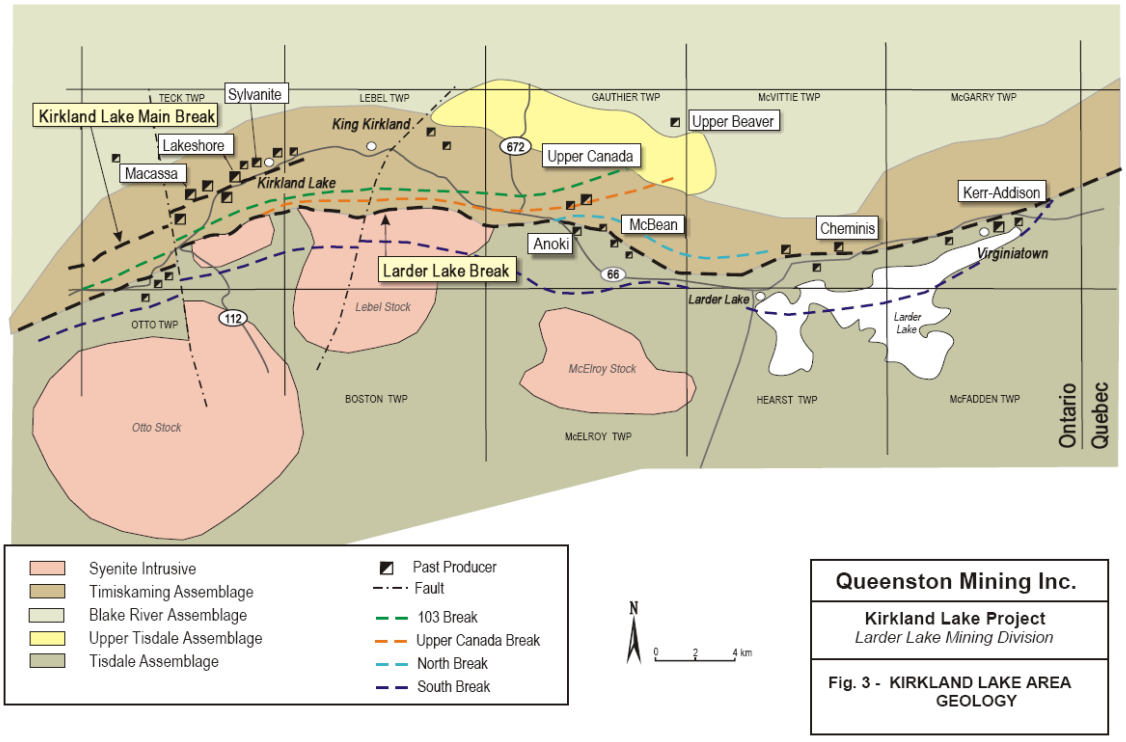
.

3.2 Kirkland Lake Camp (From D. R. A., November 2007)

The Kirkland Lake Gold Camp is defined by a 5 km corridor straddling the Cadillac-Larder Lake Break (Figure 4). This major, east-trending, south-dipping, regional structure has juxtaposed Tisdale assemblage mafic to ultramafic rocks against much younger alkalic rocks and sediments of the Timiskaming assemblage. Thus the Blake River and Porcupine assemblages are absent in the immediate area of the break.

As previously mentioned, the majority of the historical gold production in the Abitibi Greenstone Belt is spatially associated with two major regional structures – the Destor-Porcupine and the Cadillac-Larder Lake breaks. Subsidiary and splay structures to the regional breaks are similarly significant. In Kirkland Lake proper (Teck Township), seven mines on the Kirkland Lake Main Break have produced in excess of 24 million oz of gold, while on the Upper Canada Break, the Upper Canada Mine (Gauthier Township) has recorded production of some 1.5 million oz – all of these mines are in Timiskaming assemblage rocks. On the other hand, the Kerr Addison Mine (McGarry Township) which occurs along the Cadillac-Larder Lake Break has produced more than 10 million oz of gold from Tisdale assemblage rocks.

Gold mineralization along the Cadillac-Larder Lake Break including the Kerr Addison, McBean and Anoki deposits is interpreted to be related to a series of hydrothermal events associated with three phases of deformation along the break. Queenston's McBean and Anoki deposits appear to have formed early in the deformation history with remobilization likely during later deformation events. The nearby Upper Canada deposit "occurs in a high-strain, ductile deformation zone" (the Upper Canada Break), that probably represents a splay of the Cadillac-Larder Lake Break. Deformation corridors related to the breaks can have a sphere of influence in excess of 1 km in thickness. Felsic intrusives are common within the deformation corridors and are often mineralized.



(From D. R. A., November 2007

3.3 Project Geology and Mineralization

The Teck A & B and Amalgamated Kirkland properties are underlain by mafic volcanics in the southern part; the Murdock Creek Syenite intrusive in the central portion and Timiskaming sediments and trachytic volcanics in the northern part. The southern contact of the Murdock Creek Stock is marked by the South Break, a regional structure that has been traced by magnetics and drilling across Teck, Lebel and Gauthier Townships. Altered ultramafic intrusions and flows are located along the South Break. The northern contact of the Murdock Creek Stock is marked by the Larder Lake Break (Figure 4).

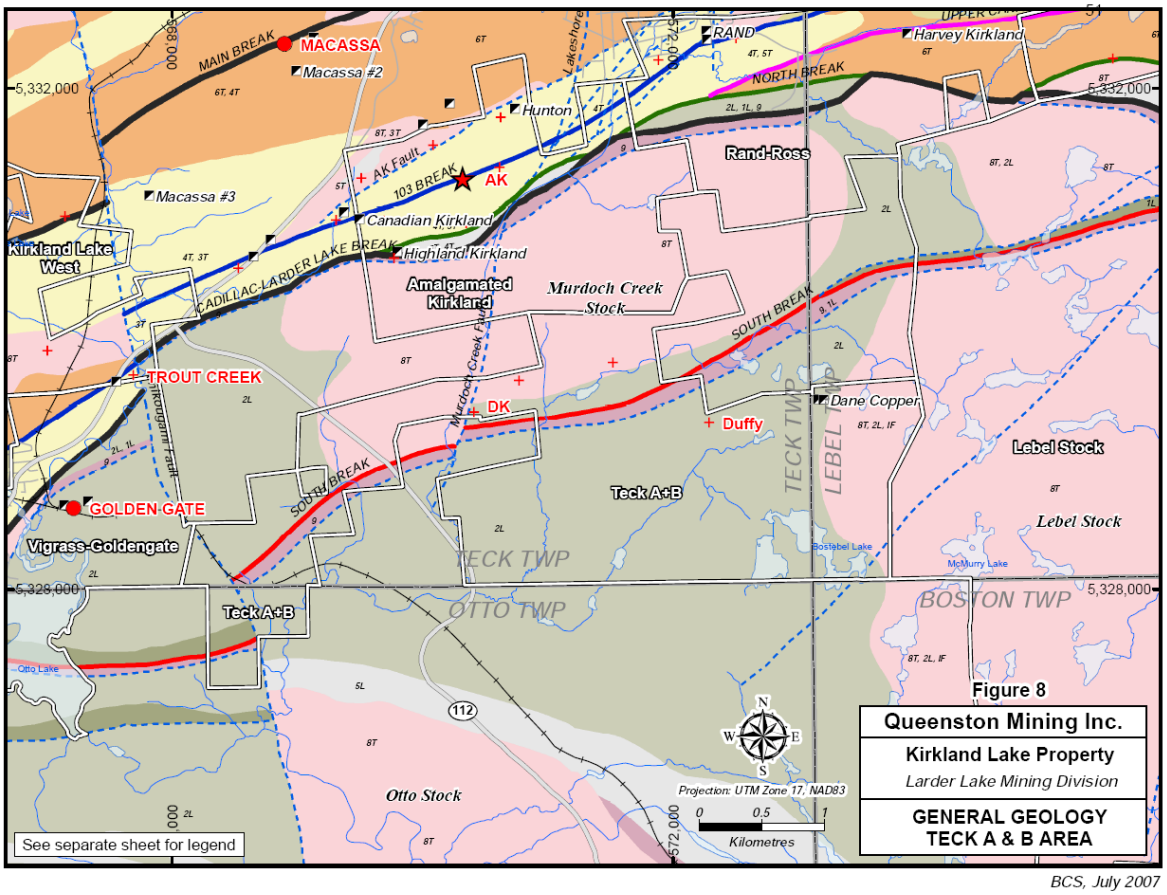
Previous exploration by Rio Algom 1985; HSK Minerals 1988 and Battle Mountain 1990, discovered some interesting gold mineralization spatially associated with the South Break on the Teck A property. The most significant is the DK Showing which consists of pyritic altered mafic volcanics or syenite. Channel samples averaged up to 6.7 g/t Au over 3.1 m. The mineralization resembles "Kerr-Addison flow ore" but unfortunately it is limited to a 4m x 5m surface area with no vertical extension as indicated by two 1991 Battle Mountain shallow drill holes.

In the Murdoch Creek Stock, channel sampling of altered syenite along the South Break returned anomalous gold of 0.3 g/t Au over 8.1 m (TW 3 m); drill intersections of 0.4 g/t Au across 3.4 m and grab samples of quartz veining in sericitic carbonate alteration assayed up to 1.2 g/t Au.

In 2003, drilling by Queenston of the Larder Lake Fault, near the western boundary of the Amalgamated Kirkland property intersected 0.8 g/t Au over 32.2 m including 2.4 g/t Au over 3.1 m and 1.4 g/t Au over 9.5 m in pyritic sericitic tuffs. The Larder Lake Break dips 40-65 degrees to the south in contact with the Murdoch Creek Stock.

On the northern portion of the Amalgamated Kirkland property extensive exploration from 1989-present has explored the AK gold deposit which contains estimated indicated mineral resources of 1,145,000 tonnes grading 6.65 g/t Au (171,800 ounces Au) and inferred resources of 1,530,000 grading 4.38 g/t Au (216,000 ounces Au). The AK deposit consists of lode-style gold mineralization hosted by altered pyritic Timiskaming trachytic volcanics and sediments

Figure 4



BCS, July 2007

4.0 Geophysical Surveys

During the period, January to March 2012, line cutting, magnetic and IP surveys were completed over the Murdock Creek syenite intrusive complex to help define drill targets. A series of high IP chargeability and low linear magnetic anomalies, striking 070 degree Azimuth, were located to the north of the South Break. The IP anomalies on geology and contoured ground magnetics maps are shown on Figures 5 and 6. The results of these geophysical surveys are described in separate reports by Canadian Exploration Services Ltd.

Figure 5

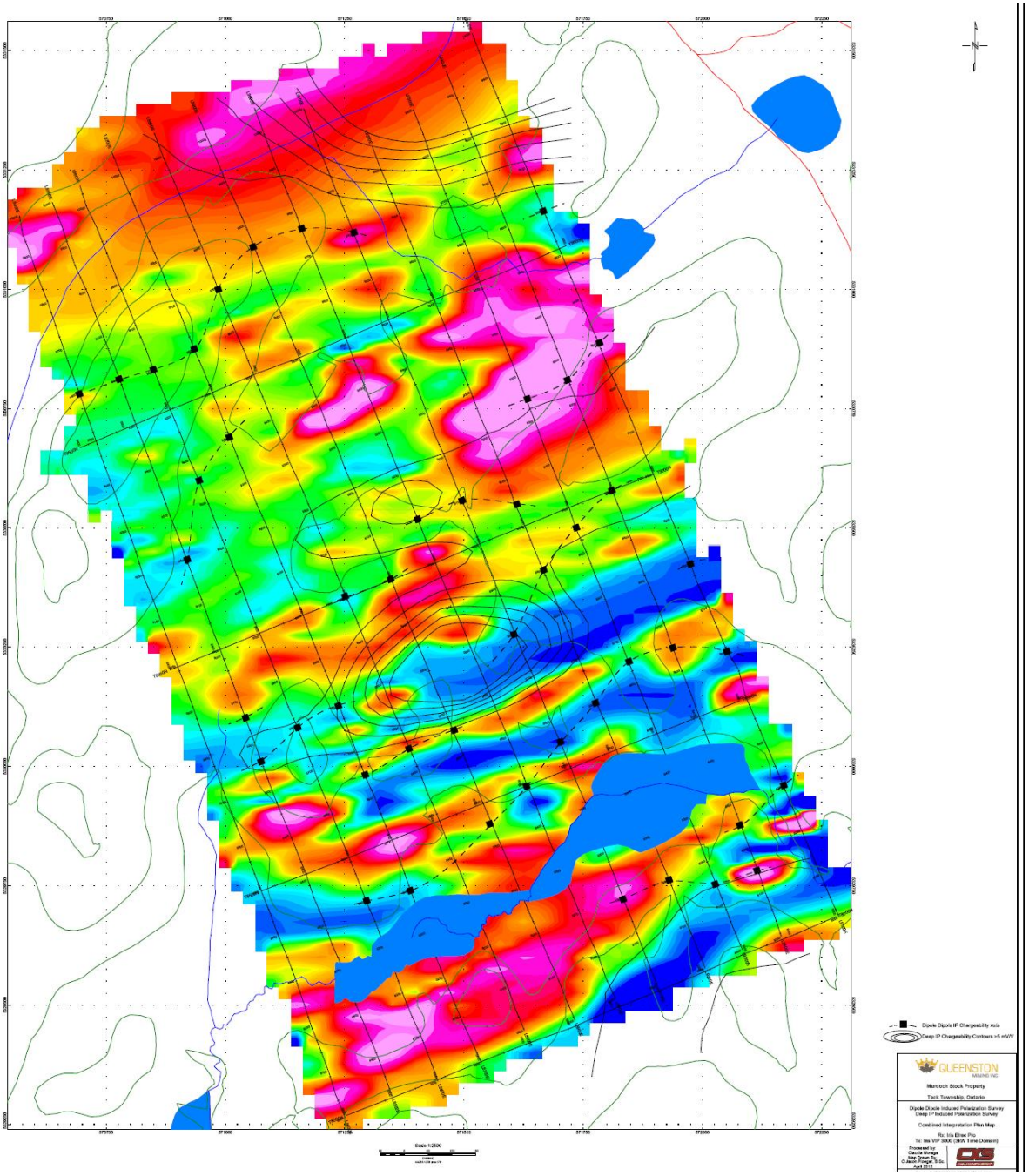
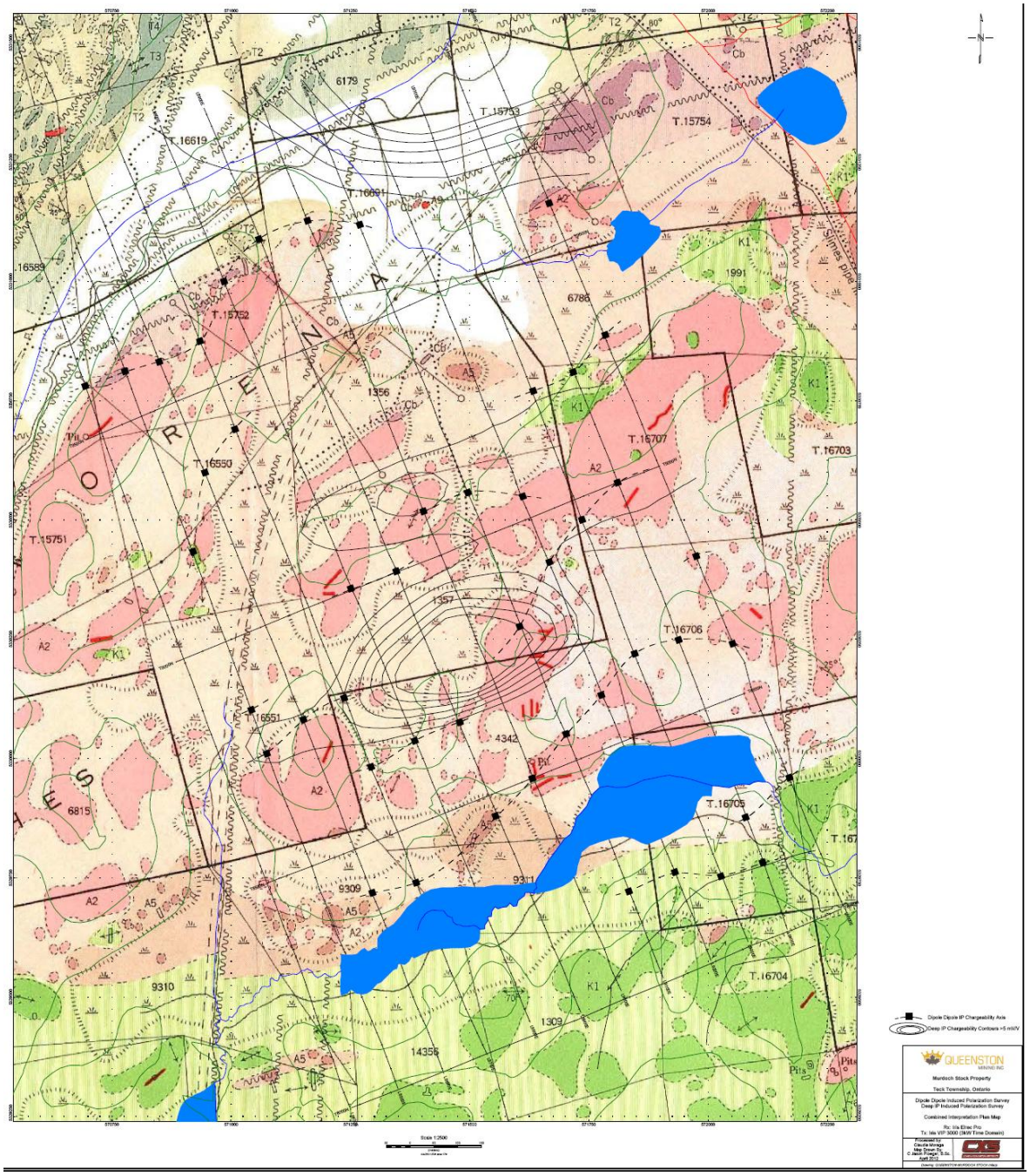

Dipole Dipole IP Chargeability Axis
Deep IP Chargeability Contours >5 mV/V
QUEENSTON
MINING INC
Murdoch Stock Property
Teck Township, Ontario
Dipole Dipole Induced Polarization Survey
Deep IP Induced Polarization Survey
Combined Interpretation Plan Map
Rx: Iris Elrec Pro
Tx: Iris VIP 3000 (Stiff Time Domain)
Processed by
Claude Mongeau
Map Drawn By
C.Jacob Prieger, B.Sc.
April 2012

Figure 6


T.15753
T.15754
T.16619
T.16691
T.15752
T.16550
T.15751
T.15707
T.16703
T.16706
T.16705
T.16704
6179
16589
6788
1991
1356
1357
4342
6815
9309
9310
9311
1309
14356
Slimes pine
Dipole Dipole IP Chargeability Axis
Deep IP Chargeability Contours +5 mV/V
QUEENSTON
Murdoch Stock Property
Teck Township, Ontario
Dipole Dipole Induced Polarization Survey
Deep IP Induced Polarization Survey
Combined Interpretation Plan Map

2012 Murdock Creek Drilling Program

5.1 Introduction

The 2012 Murdock Creek drilling program tested a series of linear low magnetic anomalies with coincident IP chargeability anomalies and pyritic quartz vein showings associated with the Murdock Creek syenite, the South Break and the Larder Lake Deformation Zone.

A total of 5,305 metres of NQ diameter core in 6 holes were drilled by Cabo Drilling (Ontario) Corporation from Kirkland Lake, Ontario. Drilling was started on May 5, 2012 and it was completed on October 30, 2012. The drill program was planned and supervised by Wayne R. Benham P.Geo., Queenston Mining Inc. The drill holes with UTM NAD 83 collar co-ordinates were spotted using the GPS surveyed 2012 picket line grid. The core was logged and sampled by W. R. Benham, at Queenston's Upper Canada mine site during the period May to November, 2012. The drill core is stored at the Upper Canada mine site. A total of 1,484 core samples were cut with a diamond saw by Queenston's core technicians. A total of 63 Blank samples and 63 Au standard samples were inserted in the sample stream for QA and QC purposes. Swastika Laboratories Ltd. at Swastika, Ontario assayed the first 502 samples while the remaining 1108 samples were assayed by ALS Canada Ltd. Sudbury, Ontario. All samples were assayed for gold by Fire Assay, one assay ton with AAS finish.

The results of the 2012 drilling are described in drill logs MC12_1 to 6 (Appendix II) and Assay certificates are located in Appendix III. The drill hole locations are shown on a drill plan at a scale of 1:5,000 and shown on drill hole cross sections, looking westerly at a scale of 1:2,500 (Appendix IV).

5.2 Core Logging, Sampling and Assaying Procedures

All diamond drill holes are NQ in diameter. The core is placed in wooden boxes by the drillers. The boxes are picked up by Queenston technicians at the drill site and delivered to the core-logging facility at the former Upper Canada mine site. Core logging protocol by Queenston geologists is summarized as follows:

The core is first measured to check that the driller's metre blocks are correct. The metreage is marked at the start of each box. Any lost or ground core is noted and zones of poor RQD are note (i.e. <75%). The core is logged in detail and recorded in a digital format using an excel spreadsheet. Special attention is given to alteration, mineralization and structural information. Mineralization and alteration are sampled. The samples are marked by the geologist and sample tickets are inserted. Depending on the lithology, alteration and mineralization, sample widths vary from 0.30 m to 1.4 m, average 1.0 m. The samples are entered on the drill logs. For each sample the percentage of quartz-carbonate veining, % pyrite are estimated and entered on the drill log.

The samples are then cut in half by a Queenston technician using a diamond core saw. Half the core is placed in a plastic bag with a sample ticket and the other half is put back in the box with a duplicate sample ticket at the end of the sampled interval. Samples with visible gold are flagged and the core cutter is advised to take special care to clean the saw blade after cutting the potentially high grade sample in order to avoid contamination of the next sample.

The boxes are labeled with metal tags with the hole number and the depth of hole for the contained core interval. The boxes are placed in racks or wooden pallets outside for future reference. The samples are placed in plastic pails or bags; a lab work order is prepared and the samples were delivered to Swastika Labs by Queenston technicians or picked up by ALS Labs personnel.

All samples were assayed by fire assay method, 1 Assay Ton, with an AAS finish. Samples assaying equal or greater than 1 g/t Au were re-assayed with gravimetric finish using a second pulp from the reject.

5.3 Drilling Results

The 2012 Murdock Creek drill program intersected pyritic quartz carbonate vein zones in sericitic carbonated syenite porphyry dykes and green carbonated altered komatiitic volcanics. Some of the altered zones in the syenite porphyry looked similar to the DK gold showing; however, no anomalous gold assays were returned. Instead of a stock or plug-shaped intrusive, the Murdock Creek syenite complex was found to be a series of steeply south dipping and shallow northerly dipping syenite porphyry dykes which have intruded komatiitic volcanics and associated sediments.

Hole MC12_03 was drilled to test the southern contact of the Murdock Creek syenite complex however it did not intersect this contact because the hole was drilled to the south and subparalel to the contact.

Hole MC12_06 tested the Larder Lake Break and it was extended to the north to test for the eastward strike extension of the AK deposit mineralized altered corridor. At the bottom of hole 6, weakly pyritic altered feldspar porphyry, conglomerate and greywacke over a core length of 144 metres were intersected. This altered zone, which returned weakly anomalous gold assays, is interpreted to be the AK deposit alteration corridor located at vertical depth of 880 metres about midway between the Rand gold zone to the east and the AK deposit to the west. Hole 6 did not reach the footwall of this altered zone due to the depth limitations of the drilling equipment.

Table 2

Drill Hole Locations

Hole No	Grid	Grid	Easting	Northing	Az	Dip	Length
	East	North	UTM	NAD 83	deg	deg	m
MC12_01	91+00	87+25	571632	5330210	341	-58	927
MC12_02	91+00	85+00	571718	5330004	341	-57	743
MC12_03	93+00	85+45	571877	5330120	161	-55	1,030
MC12_04	85+00	86+18	571126	5329883	341	-58	670
MC12_05	89+00	86+00	571499	5330021	341	-58	543
MC12_06	94+00	92+11	571737	5330769	340	-60	1,392
Total							**5,305**

5.0 Conclusions and Recommendations

Although pyritic quartz carbonated veined altered syenite porphyry and green carbonated ultramafics were intersected by the 2012 Murdock Creek drill program, no economic gold mineralization was discovered. Two additional drill holes are recommended. One hole north dipping hole is proposed to test the south contact of the Murdock Creek syenite. A second hole is proposed to test the footwall of the AK deposit alteration zone which was intersected in hole MC12_06.

Wayne R. Benham P. Geo

February, 2013

7.0 References

Alexander, D, R., 2007: Technical Report on the Mineral Properties of Queenston Mining Inc. in the Kirkland Lake Gold Camp.

Queenston Mining Inc. Company Property Reports

Larder Lake Mining Division MNDM Assessment Work Files

Ploeger, Jason C. 2012: Magnetometer Survey Murdock Stock Property for Queenston Mining Inc. Teck Township

Ploeger, Jason C. 2012: Induced Polarization Survey Murdock Stock Property for Queenston Mining Inc. Teck Township.

Ontario ServiceOntario

LAND REGISTRY OFFICE #54

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

61402-0662 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PREPARED FOR VOULA ZAFIRIS
ON 2011/10/13 AT 11:17:09

PROPERTY DESCRIPTION: PCL 9026 SEC CST; MINING CLAIM LS118 TECK SRO EXCEPT LT73907 RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP7836.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWNSHIP OF TECK

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT133898	1962/07/12	APL (GENERAL)			THE CORPORATION OF THE TOWNSHIP OF TECK	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Ontario ServiceOntario

LAND REGISTRY OFFICE #54

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

61402-0667 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PREPARED FOR VOULA ZAFIRIS
ON 2011/10/13 AT 11:18:44

PROPERTY DESCRIPTION: PCL 10158 SEC CST; MINING CLAIM HR1411 TECK SRO RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP2141.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT245727	1987/05/19	NOTICE			THE CORPORATION OF THE TOWN OF KIRKLAND LAKE	C
	REMARKS: FORFEITURE					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

PROPERTY DESCRIPTION: PCL 9028 SEC CST; MINING CLAIM LS130 TECK SRO RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP7838.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) ****						
LT245673	1987/05/19	NOTICE			THE CORPORATION OF THE TOWN OF KIRKLAND LAKE	C
	REMARKS: FORFEITURE					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

PROPERTY DESCRIPTION: PCL 9025 SEC CST; MINING CLAIM LS117 TECK SRO EXCEPT LT73907 RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP7835.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWNSHIP OF TECK

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT133897	1962/07/12	APL (GENERAL)			THE CORPORATION OF THE TOWNSHIP OF TECK	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Ontario ServiceOntario

LAND REGISTRY OFFICE #54

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

61402-0672 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PREPARED FOR VOULA ZAFIRIS
ON 2011/10/13 AT 11:19:37

PROPERTY DESCRIPTION: PCL 8941 SEC CST; FIRSTLY: MINING CLAIM RSC272 TECK SRO EXCEPT LT73907; SECONDLY: MINING CLAIM RSC273 TECK SRO EXCEPT LT73907; THIRDLY: MINING CLAIM RSC274 TECK SRO; FOURTHLY: MINING CLAIM HR1413 TECK SRO; FIFTHLY: MINING CLAIM HR1412 TECK SRO RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP2139, TP2140, TP8135, TP8136, TP8137.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES — CAPACITY — SHARE
THE CORPORATION OF THE TOWNSHIP OF TECK — BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT132005	1961/11/28	APL (GENERAL)			THE CORPORATION OF THE TOWNSHIP OF TECK	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Ontario ServiceOntario

LAND REGISTRY OFFICE #54

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

61402-0732 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PREPARED FOR VOULA ZAFIRIS
ON 2011/10/13 AT 11:20:34

PROPERTY DESCRIPTION: PCL 5000 SEC CST; FIRSTLY: MINING CLAIM T16589 TECK; SECONDLY: MINING CLAIM 16619 TECK RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP652, TP8794.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT184455	1975/05/08	CERTIFICATE				C
REMARKS: FORFEITURE OF MINING RIGHTS						
LT195710	1977/06/20	APL (GENERAL)			THE CORPORATION OF THE TOWN OF KIRKLAND LAKE	C
LT196801	1977/08/24	BYLAW				C
54R3612	1991/02/08	PLAN REFERENCE				C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Ontario ServiceOntario

LAND REGISTRY OFFICE #54

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

61402-0727 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PREPARED FOR VOULA ZAFIRIS
ON 2011/10/13 AT 11:21:21

PROPERTY DESCRIPTION: PCL 6492 SEC CST; MINING CLAIM L6786 TECK RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP6051.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT170593	1972/04/24	NOTICE				C
	REMARKS: FORFEITURE					
LT245639	1987/05/19	NOTICE			THE CORPORATION OF THE TOWN OF KIRKLAND LAKE	C
	REMARKS: FORFEITURE					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

PROPERTY DESCRIPTION: PCL 10390 SEC CST; LOCATION RW230 TECK SRO PT 1 54R2032; S/T LT274774; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP13544.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
54R2032	1978/05/10	PLAN REFERENCE				C
TP13544	1980/06/25	CROWN PATENT			THE CORPORATION OF THE TOWN OF KIRKLAND LAKE	C
54R3859	1992/05/27	PLAN REFERENCE				C
LT274774	1992/07/30	TRANSFER EASEMENT			BCRL COMPUTER STORE ENTERPRISES INC./LES ENTERPRISES D' ORDINATEUR BCRL INC. COGENCO ENGINEERING LTD. JCT MANAGEMENT INC. NORENERGY POWER INC. COB NORTHLAND POWER	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Ontario ServiceOntario

LAND REGISTRY OFFICE #54

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

61402-0679 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PREPARED FOR VOULA ZAFIRIS
ON 2011/10/13 AT 11:22:16

PROPERTY DESCRIPTION: PCL 3460 SEC TIM; MINING CLAIM HR1414 TECK EXCEPT MINING RIGHTS AS IN DT7708; RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; KIRKLAND LAKE; DISTRICT OF TIMISKAMING;

PROPERTY REMARKS: CROWN GRANT SEE TP2147.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
MAREE INVESTMENT CORPORATION

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT233188	1984/12/21	TRANSFER			MAREE INVESTMENT CORPORATION	C
DT7708	2007/05/01	CERTIFICATE		HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO AS REPRESENTED BY THE MINISTER OF MINES		C
	REMARKS: FORFEITURE					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Ontario ServiceOntario

LAND REGISTRY OFFICE #54

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

61402-0680 (LT)

SUBJECT TO RESERVATIONS IN CROWN GRANT

PREPARED FOR VOULA ZAFIRIS
ON 2011/10/13 AT 11:22:18

PROPERTY DESCRIPTION: PCL 9018 SEC CST; FIRSTLY: MINING CLAIM L1356 TECK SRO EXCEPT LT73905 RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; SECONDLY: MINING CLAIM L1357 TECK SRO RESERVING CERTAIN INTERESTS TO THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION AS SET OUT IN THE ORIGINAL PATENT FROM THE CROWN; THIRDLY: MINING CLAIM 15750 TECK SRO; FOURTHLY: MINING CLAIM 15751 TECK SRO; FIFTHLY: MINING CLAIM 15752 TECK SRO; SIXTHLY: MINING CLAIM 16550 TECK SRO EXCEPT LT73905; SEVENTHLY: MINING CLAIM 16551 TECK SRO EXCEPT LT73905; EIGHTLY: MINING CLAIM 16553 TECK SRO; NINTHLY: MINING CLAIM 16554 TECK SRO; TENTHLY: MINING CLAIM 16555 TECK SRO; ELEVENTHLY: MINING CLAIM 16558 TECK SRO; TWELFTHLY: MINING CLAIM 16691 TECK SRO EXCEPT LT73905; S/T LT69598; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWNSHIP OF TECK

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT69598	1939/03/04	TRANSFER EASEMENT			THE HYDRO-ELECTRIC POWER COMMISSION FOR ONTARIO	C
LT133870	1962/07/10	APL (GENERAL)			THE CORPORATION OF THE TOWNSHIP OF TECK	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

PROPERTY DESCRIPTION: PCL 12953 SEC CST; MINING CLAIM L6179 TECK SRO EXCEPT PT 2 54R3435, S/T PT 4 54R3859 AS IN LT274774; KIRKLAND LAKE ; DISTRICT OF TIMISKAMING

PROPERTY REMARKS: CROWN GRANT SEE TP6557.

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2005/05/24

OWNERS' NAMES
THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
LT173138	1972/10/16	APL (GENERAL)			THE CORPORATION OF THE TOWN OF KIRKLAND LAKE	C
54R3435	1989/09/27	PLAN REFERENCE				C
54R3859	1992/05/27	PLAN REFERENCE				C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Ontario

Ministry of
Northern Development
and Mines

Notice of Intention To Perform Assessment Work

Personal information collected on this form is obtained under subsection 78(3) of the *Mining Act*. Under section 8 of the Act, this information is used to maintain a public record. This information will also serve as evidence that the recorded holder gave the required notice. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury ON P3E 6B5. Telephone 1 888 415-9845.

To Corporation of the Town of Kirkland Lake of Kirkland Lake
City, Town, Village

Being the registered holder(s) of the surface rights of:

LS117, LS118, LS130, RW230, RSC272, RSC273, RSC274, HR1411, HR1412, HR1413, L1357, L13
L6179, L6619, L6786, L15750, L15752, L15751 Lot/Concession/Township/Area L16550, L16551, L16589, L16691

Recorded as Mining Claim(s):

lease 106667 CLM328, 106583 CLM400, 636798, 636799, 636800, 626766, 620929, 620930, 620931

I, Wayne Benham (Print Name) of Queenston Mining Inc (Company Name *(if Applicable)*) of Toronto, Ontario (City, Town, Village, and Province or State)

being the holder of the above-mentioned mining claim(s) give notice as follows

1. A review of the parcel register/abstract of title for the above-mentioned lands confirms that you are the registered holder of the surface rights to the lands.
2. It is my intention to carry out ground assessment work on the lands, commencing on/or about _____ (Date) in accordance with the Mining Act.

Signature of Recorded Holder of Mining Claim(s) — Date: Dec 12, 2011

Note: *The Mining Act* reads as follows:

If there is an owner of the surface rights of the land comprising a mining claim, where a holder of the mining claim first proposes to do ground assessment work on such land, the holder shall give notice in the prescribed form to the owner of the surface rights of the holder's intention to perform work.

A person who has given notice under this section may enter on the lands and perform the work at any time immediately following the day the notice is given.

Send the Lower Part of this Sheet to the Geoscience Assessment Office

---

Certificate Confirming Notice of Intention to Perform Assessment Work

Transaction number *(office use)*

W

Note: For the first unit of assessment work to be recorded, this certificate must be on file with the Geoscience Assessment Office.

I, Wayne Benham (Print Name) of Queenston Mining (Company Name *(if Applicable)*) of Toronto, Ontario (City, Town, Village, and Province or State)

certify that I gave notice of my intention to perform assessment work to the holder of the surface rights

of See above list Teck Twp. (Mining Claim #/Lot/Concession/Township/Area) on Dec 12, 2011 (Date)

Signature of Recorded Holder of Mining Claim(s) _____ Date Dec 12 20 11

Submit to Geoscience Assessment Office, Ministry of Northern Development & Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury ON P3E 6B5, telephone 1 888 415-9845

"Mining Lands Website: http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp"

242E (04/2006)

© Queen's Printer for Ontario, 2006

QUEENSTON MINING INC

TSX: QMI

December 12, 2011

The Corporation of the Town of Kirkland Lake
PO Bag 1757
3 Kirkland Street
Kirkland Lake, Ontario
P2N 3P4

Sent by Registered Mail

Dear Sir/Madam

Re: Surface Rights Mining LS117 et al

Teck Twp. Ontario

According to the Land Registry office in Haileybury, Ontario, The Corporation of the Town of Kirkland Lake / Teck Township owns the surface rights to patented claims LS 117, LS118, LS130, RW230, RSC272, RSC273, RSC274, HR1411, HR1412, HR1413, L1356, L1357, L6179, L6619, L6786, L15750, L15751, L15752, L16550, L16551, L16589 and L16691 in Teck Township. Queenston Mining owns the mining rights for these claims as shown on the attached map. This letter is to advise you that Queenston Mining Inc. is planning an exploration program during January-March, 2012 that would cover parts of the above listed surface rights patents. The program would consist of linecutting, magnetometer and IP geophysical surveys followed by surface diamond drilling if warranted. Enclosed herewith is a "Notice of Intention to Perform Assessment work on claims LS117 et al.

If you have any questions, please contact me by email at benham@queenston.ca.

Yours truly

QUEENSTON MINING INC.

Wayne Benham

Consulting Geologist

QUEENSTON MINING INC

TSX: QMI

December 12, 2011

Maree Investment Corporation
Suite 504
100 University Ave
Toronto, Ontario
M5J 1V6

Sent by Registered Mail

Dear Sir/Madam

Re: Surface Rights PCL 3460 Mining Claim HR1414

Mining Rights Unpatented Claim 4240422

Teck Twp. Ontario

According to the Land Registry office in Haileybury, Ontario, Maree Investment Corporation owns the surface rights to patented claim HR1414 in Teck Township. Queenston Mining Inc. owns the mining rights for this claim as unpatented claim 4240422. This letter is to advise you that Queenston Mining Inc. is planning an exploration program during January-March, 2012 that would cover your claim HR1414. The program would consist of linecutting, magnetometer and IP geophysical surveys followed by surface diamond drilling if warranted. Enclosed herewith is a "Notice of Intention to Perform Assessment work on claim 4240422/HR1414.

If you have any questions, please contact me by email at benham@queenston.ca.

Yours truly

QUEENSTON MINING INC.

Wayne Benham

Consulting Geologist

Ontario

Ministry of
Northern Development
and Mines

Notice of Intention To Perform Assessment Work

Personal information collected on this form is obtained under subsection 78(3) of the *Mining Act*. Under section 8 of the Act, this information is used to maintain a public record. This information will also serve as evidence that the recorded holder gave the required notice. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury ON P3E 6B5. Telephone 1 888 415-9845.

To Maree Investment Corporation of Toronto
City, Town, Village

Being the registered holder(s) of the surface rights of:

HR 1414
Lot/Concession/Township/Area

Recorded as Mining Claim(s):

4240422

I, Wayne Benham of Queenston Mining Inc of Toronto, Ontario
Print Name — Company Name *(if Applicable)* — City, Town, Village, and Province or State

being the holder of the above-mentioned mining claim(s) give notice as follows

1. A review of the parcel register/abstract of title for the above-mentioned lands confirms that you are the registered holder of the surface rights to the lands.
2. It is my intention to carry out ground assessment work on the lands, commencing on/or about January 3, 2012 (Date) in accordance with the Mining Act.

Signature of Recorded Holder of Mining Claim(s)

Dec. 12, 2011
Date

Note: *The Mining Act* reads as follows:

If there is an owner of the surface rights of the land comprising a mining claim, where a holder of the mining claim first proposes to do ground assessment work on such land, the holder shall give notice in the prescribed form to the owner of the surface rights of the holder's intention to perform work.

A person who has given notice under this section may enter on the lands and perform the work at any time immediately following the day the notice is given.

Send the Lower Part of this Sheet to the Geoscience Assessment Office

---

Certificate Confirming Notice of Intention to Perform Assessment Work

Transaction number *(office use)*

W

Note: For the first unit of assessment work to be recorded, this certificate must be on file with the Geoscience Assessment Office.

I, Wayne Benham of Queenston Mining of Toronto, Ontario
Print Name — Company Name *(if Applicable)* — City, Town, Village, and Province or State

certify that I gave notice of my intention to perform assessment work to the holder of the surface rights

of Se. 4240422 Teck Twp on Dec 12, 2011
Mining Claim #/Lot/Concession/Township/Area — Date

Signature of Recorded Holder of Mining Claim(s) Date Dec 12 20 11

Submit to Geoscience Assessment Office, Ministry of Northern Development & Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury ON P3E 6B5, telephone 1 888 415-9845

"Mining Lands Website: http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp"

© Queen's Printer for Ontario, 2006

PROPERTY: Murdoch Creek- Teck A and AK			HOLE NUMBER: MC12_1						
Province:	Ontario	**DATE LOGGED:** May 13- June 22, 2012	**Grid E**	91+00	**Method**	**Depth**	**Az corr.**	**Dip**	**Mag**
Township	Teck	**LOGGED BY:** Wayne Benham	**Grid N**	87+25		0	341	-58.0	
Started:	12-May-12	**DRILLED BY:** Cabo Drilling Ontario Corp.	**UTM E:**	571632	REFLEX	14	339.1	-58.0	55210
Completed:	21-Jun-12	**UNITS:** Metres	**UTM N:**	5330210		74	339.9	-57.8	54630
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	283		135	345.2	-58.1	76400
			Length:	927.0		195	340.7	-58.3	54750
						255	341.7	-58.6	54890
PURPOSE:	To test IP and Magnetic anomalies in Murdoch Creek Stock					315	342.2	-58.8	54840
						375	343.8	-59.2	54830
COMMENTS:	Sample Numbers 272001-272310 inclusive, 286 sawn 1/2 core samples 12 Blank samples and 12 Au Standards #16 samples (SH 55 1.375 g/t Au).					435	345.7	-59.3	55110
						495	345.8	-59.1	54710
						555	348.3	-59.0	55190
						615	349.3	-59.3	55170
						675	350.7	-59.1	55350
						735	352.1	-58.9	55450
						795	352.4	-58.7	55480
						855	352.3	-58.3	55470
						915	353.0	-58.9	55520

SUMMARY LOG: MC12_1			ASSAY SUMMARY					
From	**To**	**Lithology**	**From**	**To**	**Meters**	**Au g/t**		**Zone**
0.00	**3.50**	OVB						
3.50	**26.00**	Altered Mafic Syenite						
26.00	**67.40**	Mafic Syenite						
67.40	**70.90**	Feldspar Porphyry						
70.90	**100.40**	Altered Syenite						
100.40	**122.80**	Quartz Carbonate Vein Zone Altered Syenite						
122.80	**140.00**	Altered Syenite						
140.00	**179.20**	Syenite						
179.20	**192.30**	Altered Syenite						
192.30	**202.60**	Syenite						
202.60	**204.90**	Altered Syenite						
204.90	**219.00**	Syenite						
219.00	**242.80**	Chloritic Altered Syenite Mafic Syenite						
242.80	**243.80**	Intermediate to Mafic Dyke						
243.80	**268.05**	Chloritic Altered Syenite Mafic Syenite						
268.05	**270.00**	Mafic Intrusive						
270.00	**274.10**	Ultramafic Komatiite Oxide Iron Formation						
274.10	**278.70**	Mafic Syenite						
278.70	**281.00**	Quartz Carbonate Vein Zone Feldspar Porphyry						
281.00	**376.50**	Mafic Syenite						
376.50	**378.30**	Shear Zone Altered Mafic Syenite						
378.30	**453.20**	Syenite Porphyry						
453.20	**471.50**	Pyroxenite						
471.50	**499.50**	Feldspar Porphyry						
499.50	**563.90**	Tonalite / Diorite						
563.90	**568.60**	Feldspar Porphyry						
568.60	**593.40**	Mafic Syenite						
593.40	**599.60**	Feldspar Porphyry						

SUMMARY LOG: MC12_1			ASSAY SUMMARY					
599.60	**607.00**	Altered Chloritic Syenite with Shear Zone.						
607.00	**623.70**	Mafic Syenite and Feldspar Porphyry						
623.70	**631.90**	Tonalite / Diorite						
631.90	**652.30**	Mafic Syenite and Feldspar Porphyry						
652.30	**653.00**	Fault Zone, Quartz Vein Mafic Intrusive						
653.00	**655.50**	Mafic Syenite and Feldspar Porphyry						
655.50	**656.30**	Diabase						
656.30	**668.00**	Feldspar Porphyry						
668.00	**691.20**	Tonalite / Diorite						
691.20	**695.60**	Ultramafic Komatiite						
695.60	**704.50**	Feldspar Porphyry						
704.50	**711.20**	Ultramafic Komattite						
711.20	**721.00**	Mafic Intrusive Syenite and Feldspar Porphyry						
721.00	**735.45**	Feldspar Porphyry Syenite						
735.45	**757.50**	Syenite						
757.50	**764.30**	Komatiite						
764.30	**765.60**	Syenite						
765.60	**779.00**	Altered Komatiite						
779.00	**784.90**	Altered Quartz Porphyry						
784.90	**786.70**	Komattite						
786.70	**794.40**	Altered Quartz Porphyry						
794.40	**801.30**	Altered Basalt and Komattite						
801.30	**816.60**	Altered Quartz Porphyry						
816.60	**818.00**	Deformed Ultramafic						
818.00	**821.60**	Altered Basalt						
821.60	**823.60**	Deformed Carbonated Ultramafic						
823.60	**825.10**	Altered Quartz Porphyry						
825.10	**825.70**	Dull Green Carbonate						
825.70	**827.80**	Altered Felsic Dyke						
827.80	**828.30**	Green Carbonate Zone						
828.30	**829.95**	Altered Felsic Dyke						
829.95	**830.70**	Green Carbonate Zone						
830.70	**831.70**	Altered Quartz Porphyry						
831.70	**832.60**	Green Carbonate Zone						
832.60	**835.50**	Altered Quartz Porphyry						
835.50	**840.00**	Felsic Dyke						
840.00	**841.70**	Carbonated Ultramafic						
841.70	**845.60**	Hematitic Feldspar Quartz Porphyry						
845.60	**849.80**	Carbonated Ultramafic						
849.80	**853.10**	Hematitic Feldspar Quartz Porphyry						
853.10	**854.40**	Carbonated Ultramafic						
854.40	**857.50**	Syenite						
857.50	**869.30**	Carbonated Ultramafic						
869.30	**873.00**	Syenite						
873.00	**911.50**	Carbonated Ultramafic						
911.50	**915.80**	Lamprophyre Dyke						
915.80	**925.00**	Komattite						
925.00	**927.00**	Carbonated Ultramafic						
	927.00	EOH						

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
0.00	**3.50**	OVB											
		Casing to 4 m. 30 cm fine to medium grained olive green basalt boulder and											
		20 cm medium grained green black white granodiorite boulder in overburden											
3.50	**26.00**	Altered Mafic Syenite	272001	3.5	4.0	0.5	10	-	< 0.01	-	2	tr	
		3.5-20.0	272002	4.0	5.0	1.0	4	-	< 0.01	-	1	tr	
		Grey to green medium grained mafic syenite with 5-15%, dark green chlorite	272003	5.0	6.0	1.0	10	-	0.01	-	0.5	tr	
		amphibole matrix, patchy 2-40 cm wide salmon red to pink beige red potassic	272004	6.0	7.0	1.0	5	-	< 0.01	-	1	tr	
		hematitic weakly silicified altered zones with trace fined grained pyrite and 1-10%,	272005	7.0	8.0	1.0	4	-	< 0.01	-	0.5	tr	
		1-8 mm wide light grey white quartz veining with white ankerite rims, veining	272006	8.0	9.0	1.0	13	-	0.01	-	1	tr	
		at 40-60 deg, altered zones also have irregular 1-15 mm irregular dark green	272007	9.0	10.0	1.0	3	-	< 0.01	-	1	tr	
		chlorite clots and fracture fillings, locally wallrocks are weakly brecciated with	272008	10.0	11.0	1.0	4	-	< 0.01	-	2	tr	
		chlorite stringers at 5-15 deg, lower gradational, core nonmagnetic.	272009	11.0	12.0	1.0	7	-	< 0.01	-	1	tr	
		20.0-26.0	272010	12.0	13.0	1.0	8	13	< 0.01	0.01	0.5	tr	
		Moderately to strongly brecciated zone with 5-15% dark green chloritic breccia	272011	13.0	14.0	1.0	8	-	< 0.01	-	1	tr	
		matrix, light salmon pink altered syenite fragments with 1-3% light grey white,	272012	14.0	15.0	1.0	5	-	< 0.01	-	10	tr	
		1-3 cm quartz fragments and lenses, trace to 0.5%, fine to medium grained pyrite	272013	15.0	16.0	1.0	6	-	< 0.01	-	2	tr	
		in chloritic breccia matrix, gradational lower contact over 1 m, nonmagnertic.	272014	16.0	17.0	1.0	8	-	< 0.01	-	5	tr	
			272015	17.0	18.0	1.0	6	-	< 0.01	-	3	tr	
			272016	18.0	19.0	1.0	5	-	< 0.01	-	1	tr	
			272017	19.0	20.0	1.0	7	-	< 0.01	-	1	tr	
			272018	20.0	21.0	1.0	8	-	< 0.01	-	2	tr	
			272019	21.0	22.0	1.0	9	-	< 0.01	-	3	tr	
			272020	22.0	23.0	1.0	7	16	< 0.01	0.02	1	tr	
			272021	23.0	24.0	1.0	9	-	< 0.01	-	1	0.5	
			272022	24.0	25.0	1.0	8	-	< 0.01	-	0.5	tr	
			272023	25.0	26.0	1.0	9	-	< 0.01	-			
			272024	26.0	27.0	1.0	9	-	< 0.01	-			
			272025	Au std # 16			1367	-	1.37	-			
			272026	Blank			7	-	< 0.01	-			
26.00	**67.40**	Mafic Syenite											
		Light grey and dark black green medium grained mafic syenite relatively massive											
		with scattered chloritic fractures at 60-65 deg, <1%, 1-5 mm light grey quartz											
		veins with ankerite rims at 40-60 deg, trace pyrite, weakly ankeritic.											
		47.0-54.0	272027	47.0	48.0	1.0	8	-	< 0.01	-	1	tr	
		1-2 % light grey 1-5 mm wide quartz veining at 0-5-10 deg in weakly chloritic	272028	48.0	49.0	1.0	8	-	< 0.01	-	1	tr	
		brecciated medium grained mafic syenite, trace finely disseminated pyrite.	272029	49.0	50.0	1.0	10	-	0.01	-	2	tr	
		50.7-50.9	272030	50.0	51.0	1.0	10	13	< 0.01	0.01	2	tr	
		Light grey fracture at 20 deg with trace molybdenite and very grained pyrite,	272031	51.0	52.0	1.0	8	-	< 0.01	-	2	tr	
		1%, 1-5 mm wide, light grey quartz veining at 0-5 deg.	272032	52.0	53.0	1.0	11	-	0.01	-	1	tr	
			272033	53.0	54.0	1.0	14	-	0.01	-	1	tr	
67.40	**70.90**	Feldspar Porphyry											
		Grey to dark grey feldspar porphyry with 15-20 %, 1-2% anhedral irregular white											
		feldspar phenocrysts in a medium grained weakly chloritic ankeritic felsic matrix,											
		upper contact loss in a light green white bleached zone, sharp lower contact											
		at 60 deg.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
70.90	**100.40**	Altered Syenite	272034	70.9	71.9	1.0	5	-	< 0.01	-	2		
		70.9-84.1	272035	71.9	72.9	1.0	3	-	< 0.01	-			
		Grey to pink grey coarse grained weakly fractured, weakly potassic and silicified	272036	72.9	73.7	0.8	4	-	< 0.01	-	6	tr	
		altered syenite, <0.5 mm dark grey chloritic fractures at 5-20 deg with traces of	272037	73.7	74.7	1.0	3	-	< 0.01	-	<1	tr	
		pyrite, <1%, 1-2 mm white quartz ankerite veining at 0-60 deg, upper contact	272038	74.7	75.7	1.0	< 2	-	< 0.01	-	1	tr	
		defined but loss of porphyritic texture and increase in chlorite fractures, contact	272039	75.7	76.7	1.0	2	-	< 0.01	-	1	tr	
		marked by chloritic fracture at 60 deg.	272040	76.7	77.7	1.0	4	-	< 0.01	-	1	tr	
		73.1-73.7	272041	77.7	78.7	1.0	4	-	< 0.01	-	1	tr	
		Green fine to medium grained intermediate dyke, weakly foliated at 50 deg, upper	272042	78.7	79.8	1.1	< 2	-	< 0.01	-	1	tr	
		contact marked by 5 cm pink white quartz feldspar ankerite vein at 50 deg with	272043	79.8	80.9	1.1	3	8	< 0.01	< 0.01	1	tr	
		trace pyrite along contacts, lower contact at 50 deg marked by chloritic fracture,	272044	80.9	82.0	1.1	7	-	< 0.01	-	2	tr	
		10 cm coarse grained syenite inclusion near lower contact along chloritic slip	272045	82.0	83.1	1.1	< 2	-	< 0.01	-	2	tr	
		at 5-20 deg.	272046	83.1	84.1	1.0	4	-	< 0.01	-	2	tr	
		84.1-99.1	272047	84.1	85.1	1.0	4	-	< 0.01	-	3	tr	
		Grey to light pink grey moderately chloritic fractured to brecciated syenite with	272048	85.1	86.1	1.0	3	-	< 0.01	-	<1	tr	
		10-20%, 0.2-20 cm wide light pink grey white bleached silicified weakly potassic	272049	86.1	87.1	1.0	3	-	< 0.01	-	1	tr	
		altered bands and veins at 30-80 deg with sharp to diffuse contacts, trace	272050	Au std # 16			1366	-	1.37	-			
		disseminated pyrite in altered zones, dark green chloritic fractures at 0-60 deg	272051	Blank			< 2	-	< 0.01	-			
		with trace pyrite, upper and lower contacts gradational., RQD 65%, trace	272052	87.1	88.1	1.0	4	-	< 0.01	-			
		1-2 mm emerald green fuchsite in some bleached zones, rare trace chalcopyrite.	272053	88.1	89.0	0.9	3	6	< 0.01	< 0.01	3	tr	
		99.1-100.4	272054	89.0	90.0	1.0	5	-	< 0.01	-	2	tr	
		Grey to dark green grey feldspar porphyry as at 67.4-70.9 m, gradational contacts.	272055	90.0	91.0	1.0	13	-	0.01	-	1	tr	
			272056	91.0	92.0	1.0	3	-	< 0.01	-	1	tr	
			272057	92.0	93.0	1.0	2	-	< 0.01	-	1	tr	
			272058	93.0	94.0	1.0	3	-	< 0.01	-	2	tr	
			272059	94.0	94.7	0.7	< 2	-	< 0.01	-	1	tr	
			272060	94.7	95.7	1.0	3	-	< 0.01	-	1	tr	
			272061	95.7	96.4	0.7	3	-	< 0.01	-	1	tr	
			272062	96.4	97.4	1.0	3	-	< 0.01	-	2	tr	
			272063	97.4	98.3	0.9	< 2	4	< 0.01	< 0.01	3	tr	
			272064	98.3	99.1	0.8	< 2	-	< 0.01	-	2	tr	
			272065	99.1	100.4	1.3	< 2	-	< 0.01	-	2		

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
100.40	**122.80**	Quartz Carbonate Vein Zone Altered Syenite	272066	100.4	101.4	1.0	3	-	< 0.01	-	1	tr	
		Pink grey beige grey white and dark green moderately potassic silicified altered	272067	101.4	102.3	0.9	3	-	< 0.01	-	1	0.5	
		coarse grained syenite with 1-25%, 1-20 cm wide, white to grey irregular quartz	272068	102.3	103.0	0.7	5	-	< 0.01	-		0.5	
		veining at 30-60 deg, avg 5% veining at 50 deg, dark blue grey spots, clots and	272069	103.0	103.6	0.6	9	-	< 0.01	-	3	1	
		fractures in veining with trace fine grained pyrite and possibly galena or molybdenite	272070	103.6	104.3	0.7	10	-	0.01	-	1	0.5	
		syenite is moderately chloritic fractured to brecciated with fractures at all angles,	272071	104.3	104.9	0.6	8	-	< 0.01	-	10	1	
		trace to 2% fine to medium grained pyrite in chloritic fractures in syenite and	272072	104.9	105.9	1.0	23	-	0.02	-	5	0.5	
		in fractured quartz veining, along vein contacts, also finely disseminated in patchy	272073	105.9	106.9	1.0	42	20	0.04	0.02	3	1	
		potassic silicified zones and veins which are 1-70- cm wide, some quartz veins are	272074	106.9	107.7	0.8	266	-	0.27	-	25	2	
		fragmented and offset by chloritic fractures.	272075	Au std # 16			1361	-	1.36	-			
		114.2-116.35, 120.7-120.9, 126.4-127.0 and 133.17-133.55	272076	Blank			< 2	-	< 0.01	-			
		Green to dark green grey fine grained mafic to intermediate dykes at 20-60 deg,	272077	107.7	108.7	1.0	8	-	< 0.01	-	2	0.5	
		weakly foliated at 50-60 deg, ankeritic and 1-2% disseminated ankerite and 1-2 mm	272078	108.7	109.8	1.1	12	-	0.01	-	3	1	
		wide veinlets, some dyke contacts have chloritic slickensides.	272079	109.8	110.9	1.1	746	-	0.75	-	8	2	
			272080	110.9	112.0	1.1	440	-	0.44	-	5	2	
			272081	112.0	113.0	1.0	8	-	< 0.01	-	25	2	
			272082	113.0	114.1	1.1	7	-	< 0.01	-	1	tr	
			272083	114.1	115.3	1.2	14	5	0.01	< 0.01	5	0.5	
			272084	115.3	116.4	1.1	4	-	< 0.01	-	2	tr	
			272085	116.4	117.2	0.8	8	-	< 0.01	-	10	1	
			272086	117.2	118.2	1.0	16	-	0.02	-	1	tr	
			272087	118.2	119.0	0.8	4	-	< 0.01	-	1	0.5	
			272088	119.0	119.9	0.9	4	-	< 0.01	-	2	tr	
			272089	119.9	120.9	1.0	4	-	< 0.01	-	2	1	
			272090	120.9	121.8	0.9	7	-	< 0.01	-	15	2	
			272091	121.8	122.8	1.0	5	-	< 0.01	-	1	1	
122.80	**140.00**	Altered Syenite	272092	122.8	123.7	0.9	8	-	< 0.01	-		0.5	
		122.8-131.3	272093	123.7	124.6	0.9	3	-	< 0.01	-		0.5	
		Weakly to moderately altered coarser grained syenite, chloritic fractured to	272094	124.6	125.5	0.9	7	-	< 0.01	-		tr	
		brecciated but minor quartz veining and pyrite mineralization.	272095	125.5	126.4	0.9	7	< 2	< 0.01	< 0.01	1	tr	
		131.3-133.17	272096	126.4	127.0	0.6	11	-	0.01	-	1		
		More massive weakly altered coarse grained syenite.	272097	127.0	128.0	1.0	10	-	< 0.01	-			
		133.17-133.55	272098	128.0	129.1	1.1	6	-	< 0.01	-	3	tr	
		Green weakly foliated mafic to intermediate dyke at 50-60 deg.	272099	129.1	130.2	1.1	4	-	< 0.01	-	3	tr	
		133.20-133.27	272100	Au std # 16			1317	-	1.32	-			
		Pink grey white brecciated quartz ankerite feldspar vein at 50-60 deg	272101	Blank			3	-	< 0.01	-			
		with trace pyrite	272102	130.2	131.3	1.1	6	-	< 0.01	-	1		
		133.55-139.1	272103	131.3	132.2	0.9	9	-	< 0.01	-			
		Dark grey to grey and green fairly massive coarse grained syenite with 1-2%,	272104	132.2	133.1	0.9	8	-	< 0.01	-			
		1-2 mm white quartz-ankerite veining at all angles.	272105	133.1	133.6	0.5	6	< 2	< 0.01	< 0.01	8	tr	
		139.1-139.6	272106	133.6	134.6	1.0	5	-	< 0.01	-			
		Grey white red fine grained silicified zone at 20 deg, weakly hematitic altered,	272107	134.6	135.7	1.1	8	-	< 0.01	-			
		1% quartz-carbonate veining, 1% finely disseminated fine to medium grained	272108	135.7	136.8	1.1	4	-	< 0.01	-			
		pyrite, weakly chloritic fractured at 20-30 deg.	272109	136.8	138.0	1.2	3	-	< 0.01	-			
		139.6-140.0	272110	138.0	139.1	1.1	4	-	< 0.01	-			
		White and green weakly silicified fractured syenite with trace pyrite, fractures	272111	139.1	140.0	0.9	7	-	< 0.01	-	3	0.5	
		at 20-30 deg.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
140.00	**179.20**	Syenite	272112	140.0	141.0	1.0	4	-	< 0.01	-			
		Grey to dark grey medium to coarse grained fairly massive syenite, locally											
		weakly chloritic fractured at 20 and 60 deg, minor patchy potassic alteration,											
		minor quartz-ankerite veining and trace pyrite.											
179.20	**192.30**	Altered Syenite	272113	179.2	179.8	0.6	5	-	< 0.01	-			
		179.20-179.65	272114	179.8	180.8	1.0	5	-	< 0.01	-	1	tr	
		Grey green medium grained weakly ankeritic mafic to intermediate dyke	272115	180.8	181.9	1.1	6	10	< 0.01	0.01	1	tr	
		at 20-30 deg, weakly foliated at 20-30 deg.	272116	181.9	183.0	1.1	7	-	< 0.01	-	5	tr	
		179.65-192.3	272117	183.0	184.0	1.0	7	-	< 0.01	-	3	0.5	
		Grey pink and beige pink weakly sericitic potassic or albitized altered medium	272118	184.0	185.0	1.0	5	-	< 0.01	-	1	tr	
		grained syenite, moderately chloritic fractured to brecciated, 5-30%, 1-20 cm wide	272119	185.0	186.0	1.0	5	-	< 0.01	-	2	tr	
		irregular patches and bands at 60 deg, 3-5%, 0.1-1.5 cm wide white ankerite+-	272120	186.0	187.0	1.0	6	-	< 0.01	-	1	tr	
		quartz veining at 30-80 deg, 1-2%, 0.1-1 cm wide late light grey quartz veining,	272121	187.0	188.0	1.0	6	-	< 0.01	-	1	tr	
		veining post-dates chloritic brecciation, trace to 0.5% disseminated pyrite in altered	272122	188.0	189.0	1.0	2	-	< 0.01	-	1	tr	
		zones, chloritic fractures and syenite mafic matrix, lower contact marked	272123	189.0	190.1	1.1	5	-	< 0.01	-	2	0.5	
		by sericitic fracture at 30 deg.	272124	190.1	191.2	1.1	3	-	< 0.01	-		tr	
			272125	191.2	192.4	1.2	5	5	< 0.01	< 0.01		tr	
192.30	**202.60**	Syenite	272126	192.4	193.4	1.0	< 2	-	< 0.01	-			
		Grey to light grey fairly massive coarse grained syenite, weakly chloritic	272127	Au std # 16			1324	-	1.32	-			
		fractured at 20-40 deg.	272128	Blank			< 2	-	< 0.01	-			
		196.2-196.55											
		Grey fine grained massive intermediate to felsic dyke at 85 deg.											
202.60	**204.90**	Altered Syenite	272129	201.6	202.6	1.0	< 2	-	< 0.01	-			
		Grey to light beige pink altered syenite with fracture and vein controlled sericitic	272130	202.6	203.4	0.8	21	-	0.02	-	2	tr	
		and potassic altered wallrocks to 1-10 mm wide white ankerite-quartz veining	272131	203.4	204.3	0.9	10	-	0.01	-	1	tr	
		at 50-80 deg.	272132	204.3	204.9	0.6	16	-	0.02	-	3	1	cp
		204.4-204.8	272133	204.9	205.9	1.0	4	-	< 0.01	-			
		Strongly bleached silicified zone, moderately chloritic fractured to brecciated,											
		1% disseminated anhedral brassy pyrite, one 2 mm chalcopyrite bleb in ankerite											
		quartz vein.											
204.90	**219.00**	Syenite											
		Grey to dark grey coarse grained syenite with weakly developed feldspar porphyry											
		texture, weakly fractured at 20-50 deg, <1% quartz ankerite veining.											
		209.05-209.30											
		Grey fine grained massive intermediate to felsic dyke at 90-50 deg.											
219.00	**242.80**	Chloritic Altered Syenite Mafic Syenite											
		Dark grey and green nonmagnetic calcitic medium to coarse grained chloritic											
		altered syenite with 10-15% dark green chloritic matrix, 0.5-1% black disseminated											
		biotite, weakly chloritic fractured at 20 deg, gradational upper contact defined											
		by calcite alteration and increase in mafic matrix.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
242.80	**243.80**	Intermediate to Mafic Dyke	272134	241.7	242.7	1.0	3	-	< 0.01	-			
		Dark grey to green ankeritic chloritic medium grained intermediate to mafic dyke,	272135	242.7	243.9	1.2	14	13	0.01	0.01	15	2	
		weakly foliated at 30 deg, 15% irregular drag-folded 0.1-3 cm wide white to light	272136	243.9	244.9	1.0	4	-	< 0.01	-			
		grey quartz and ankerite vein, also one 5 mm wide vuggy crystalline quartz vein,											
		2% finely disseminated pyrite, irregular upper contact at approx 30 deg, sharp lower											
		contact at 60 deg.											
243.80	**268.05**	Chloritic Altered Syenite Mafic Syenite											
		Grey to pink grey and dark green calcitic medium to coarse grained chloritic											
		altered syenite / mafic syenite, massive to locally moderately developed feldspar											
		porphyritic texture, sharp lower contact at 90 deg.											
		256.55-256.65 and 259.8-259.95											
		Grey to red grey fine grained hematitic strongly magnetic mafic dykes with											
		irregular contacts at 80-50-30 deg.											
268.05	**270.00**	Mafic Intrusive	272137	268.1	269.2	1.1	7	-	< 0.01	-	1		
		Dark grey green medium grained chloritic mafic intrusive or volcanic with white	272138	269.2	270.0	0.8	< 2	-	< 0.01	-	3		
		carbonate specks, massive to weakly foliated at 50 deg, sharp lower contact	272139	270.0	270.9	0.9	73	-	0.07	-	5	tr	
		at 60 deg.	272140	270.9	271.9	1.0	15	-	0.02	-	2		
270.00	**274.10**	Ultramafic Komatiite Oxide Iron Formation											
		270.0-270.66											
		Blue green fine grained soft talcose ultramafic, moderately foliated at 80-90 deg											
		to massive towards lower contact.											
		270.66-270.80											
		Black weakly banded at 80 deg, strongly magnetic oxide iron formation,											
		10%, 1-10 mm wide red-white hematitic calcite veining, 0.5% disseminated											
		pyrite, contacts at 80 deg.											
		270.8-270.9											
		Dark green black nonmagnetic fine grained relatively hard ultramafic or mafic dyke,											
		contacts at 80 deg.											
		270.9-273.1											
		Chloritic altered syenite or mafic syenite as at 243.8-268.05, calcitic.											
		273.1-274.1											
		Blue green to green soft talcose spinifex textured ultramafic komatiite, massive											
		in center to bladed at 20-40 deg over 20 cm at upper contact, sharp lower											
		contact at 40 deg.											
274.10	**278.70**	Mafic Syenite											
		Red grey to grey and dark black green coarse grained calcitic massive chloritic											
		syenite / mafic syenite, 1-3%, 1-3 mm irregular calcite veining.											
278.70	**281.00**	Quartz Carbonate Vein Zone Feldspar Porphyry	272141	277.7	278.7	1.0	5	-	< 0.01	-	2		
		Grey pink white and green noncalcitic feldspar porphyry with 1-2 mm white	272142	278.7	279.7	1.0	29	-	0.03	-	10	1	
		feldspar phenocrysts in a pink grey green medium grained syenite matrix to 280.0 m	272143	279.7	280.5	0.8	11	-	0.01	-	20	2	
		and then dark green grey fine grained pink dark green grey medium grained	272144	280.5	281.0	0.5	7	-	< 0.01	-	3	1	
		chloritic syenite to 281.0 m, 20%, 1-10 cm white to light grey and darker grey	272145	281.0	282.0	1.0	3	-	< 0.01	-			
		quartz veining at 20-60 deg, 1-2% fine to medium grained disseminated pyrite											
		in host rock, darker quartz veins have 1% pyrite.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
		280.0-280.1											
		Grey to dark grey quartz vein at 30-40 deg with 1% disseminated pyrite.											
281.00	**376.50**	Mafic Syenite											
		Pink red grey and dark green calcitic weakly hematitic chloritic calcitic coarse											
		grained mafic syenite, locally close-packed white anhedral feldspar phenocrysts											
		over 50-150 cm widths, massive with a few scattered chloritic fractures at 20-30 deg											
		324.1-324.4											
		Dark green fine grained strongly calcitic mafic dyke at 10-20 deg with 1% white											
		irregular quartz calcite veining.											
376.50	**378.30**	Shear Zone Altered Mafic Syenite	272146	375.5	376.5	1.0	4	-	< 0.01	-			
		Pink white and dark green chloritic calcitic sheared altered mafic syenite,	272147	376.5	377.4	0.9	6	-	< 0.01	-			
		moderately foliated at 40-50 deg, contacts at 40 deg, 30% white and pink 1-10 mm	272148	377.4	378.3	0.9	9	11	< 0.01	0.01			
		wide wavy weakly hematitic calcite veining parallel to foliation, 1% medium											
		grained disseminated pyrite, RQD 20-30%.											
378.30	**453.20**	Syenite Porphyry	272149	378.3	379.3	1.0	19	-	0.02	-			
		378.3-382.8	272150	Au std # 16			1376	-	1.38	-			
		Red pink grey and dark green, calcitic chloritic hematitic altered feldspar porphyry	272151	Blank			< 2	-	< 0.01	-			
		with 1-3 mm anhedral pink white feldspar phenocrysts in a chloritic hematitic	272152	379.3	380.1	0.8	< 2	-	< 0.01	-	1	0.5	
		mafic syenite, weakly fractured at 30 deg, 1-2%, 1-2 mm wide white pink calcite	272153	380.1	381.8	1.7	3	-	< 0.01	-	1	tr	
		veining at 30-40 deg, trace to 0.5% fine to medium grained disseminated pyrite,	272154	381.8	382.8	1.0	3	-	< 0.01	-	2	tr	
		sharp lower contact at 30 deg marked by chlorite hematite fracture, RQD 10%.	272155	382.8	383.8	1.0	6	-	< 0.01	-			
		382.8-435.8											
		Dark green and pink white noncalcitic, nonmagnetic, feldspar porphyry with											
		75-80% 1-3 mm anhedral to tabular euhedral red pink white "crowded" plagioclase											
		feldspar phenocrysts in a fine grained dark green chloritic syenite matrix.											
		weakly chloritic fractured at 10-20 and 30 deg.											
		412.75-413.35											
		30%, 1-5 cm wide, irregular white barren grey quartz and pink calcite veining											
		in chloritic porphyry, lower contact vuggy quartz vein at 30 deg.											
		414.1											
		1 cm wide chloritic fault at 30 deg with brecciated rock fragments.											
		422.0-422.6											
		Dark green fine grained strongly magnetic diabase dyke, sharp upper contact											
		at 60 deg, irregular lower contact at 90 deg.											
		425.15-428.0											
		Darker green chloritic altered section with weak porphyritic texture, 1-2% grey											
		white irregular quartz calcite veining.											
		435.8-447.1											
		Dark green and red chloritic hematitic altered mafic syenite with locally patchy											
		feldspar porphyritic texture, 1-3%, 1-5 cm wide blood red hematite stained veining											
		and pervasively altered syenite, weakly fractured at 30-40 deg, RQD 30%.											
		1-3%, 1-5 mm wide white calcite quartz veining at 70-90 deg.											

DESCRIPTION : Hole No. MC12_1														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
		447.1-453.2											
		Red pink green grey chloritic hematitic feldspar porphyry with well developed											
		porphyritic texture, 1-5%, 0.1-6 cm wide white calcite quartz veining at 5-60 deg.											
453.20	**471.50**	Pyroxenite											
		Red green to dark green nonmagnetic pyroxene porphyry with 5%, 2-3 mm dark											
		green pyroxene phenocrysts in a medium grained weakly hematitic chloritic mafic											
		to feldspathic syenite matrix, irregular contacts intruding feldspar porphyry,											
		1-2%, 1-8 mm white calcite veining at 0-90 deg.											
		464.2-466.4											
		Weakly hematitic altered feldspar porphyry at 50-60 deg.											
471.50	**499.50**	Feldspar Porphyry											
		471.5-491.8											
		White grey green grey feldspar porphyry with 25-30%, 1-3 mm white grey											
		anhedral to tabular euhedral feldspar phenocrysts in a fine to medium grained green											
		to red green chloritic mafic to syenite matrix, weakly fractured at 30-60 deg.											
		weakly calcitic over lower 4 m.											
		491.8-496.0											
		Weak shear zone at 50 deg with weakly hematitic calcitic chloritic altered feldspar											
		porphyry intruded by 20%, 2-20 cm wide weakly foliated dark green fine grained											
		chloritic mafic dykes, 2-10%, 0.1-10 cm wide white quartz calcite veining											
		at 30-60 deg, trace pyrite in mafic dykes.											
		496.0-499.5											
		White grey coarse grained feldspar porphyry, weakly calcitic, sharp lower contact											
		at 25 deg.											
499.50	**563.90**	Tonalite / Diorite											
		White and grey, medium grained equigranular diorite / tonalite with 5-10% quartz											
		rimming feldspars and interstitial, to feldspars, weakly to moderately fractured											
		at 20-60 deg, trace pyrite, nonmagnetic, weakly calcitic to 510 m.											
		529.0-529.4											
		Green fine grained mafic dyke at 40-50 deg with hematitic fractures.											
		531.5-532.5	272156	530.5	531.5	1.0	7	-	< 0.01	-	2		
		Red green chloritic hematitic altered diorite with loss of primary textures,	272157	531.5	532.5	1.0	8	-	< 0.01	-	20	1	
		20% quartz, 20% calcite over 30 cm at upper contact, contacts at 70 deg,	272158	532.5	533.6	1.1	6	-	< 0.01	-	1		
		1% finely disseminated cube pyrite.											
		532.5-543.0											
		Diorite/Tonalite contains 1-35, 0.2-2 cm subrounded dark green mafic inclusions.											
		543.0-547.3	272159	543.0	544.0	1.0	3	-	< 0.01	-	5	tr	
		Dark green and grey chloritic altered section with primary textures destroyed by	272160	544.0	545.0	1.0	3	-	< 0.01	-	2	tr	
		alteration, strongly calcitic fractured, 1-5%, 0.1-5 cm wide white calcite quartz	272161	545.0	545.7	0.7	109	-	0.11	-	2	0.5	
		veining at 5-70 deg, intruded by 1-10 cm fine grained dark green mafic dykes	272162	545.7	546.7	1.0	43	-	0.04	-	2	0.5	
		and veins, trace to 0.5% finely disseminated pyrite, weakly hematitic,	272163	546.7	547.3	0.6	5	-	< 0.01	-	2	tr	
		sharp contacts at 80 deg.											
		547.3-560.9											
		Grey green medium grained weakly calcitic massive diorite / tonalite with											
		abundant dark green mafic inclusions up to 3 cm, <1% calcite quartz veining.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
		560.9-563.9	272164	560.9	562.0	1.1	2	-	< 0.01	-	2	tr	
		Dark green grey chloritic altered section with primary intrusive textures destroyed,	272165	562.0	563.0	1.0	4	5	< 0.01	< 0.01		tr	
		1% white quartz calcite veining 0.1-5 cm wide, trace pyrite, upper contact ground	272166	563.0	563.9	0.9	7	-	< 0.01	-	3	tr	
		lower contact gradational.											
563.90	**568.60**	Feldspar Porphyry											
		White and dark grey feldspar porphyry with 25%, 1-3 anhedral to euhedral											
		white feldspar phenocrysts in an fine to medium, grained syenite matrix, sharp											
		weakly foliated lower contact at 30 deg.											
568.60	**593.40**	Mafic Syenite											
		Dark grey to green grey, weakly calcitic medium to coarse grained chloritic											
		altered syenite to mafic syenite with patchy feldspar porphyritic texture over											
		widths of 10-20 cm, weakly fractured at 15-30 deg.	272167	582.9	584.1	1.2	4	-	< 0.01	-	1		
		584.3-584.5	272168	584.1	585.2	1.1	4	-	< 0.01	-	15	tr	
		White pink like grey quartz vein with calcitic fractures, chloritic slip	272169	585.2	586.2	1.0	< 2	-	< 0.01	-			
		at 20 and 25 deg mark vein contacts, trace pyrite in wallrocks.											
593.40	**599.60**	Feldspar Porphyry											
		Red grey white feldspar porphyry with 20%, 1-3 mm anhedral yellow white grey											
		feldspar phenocrysts in a fine to medium grained weakly hematitic chloritic syenite											
		matrix, phenocrysts are weakly silicified and sericitic, contacts at 30 deg.											
599.60	**607.00**	Altered Chloritic Syenite with Shear Zone.	272170	599.6	600.4	0.8	< 2	-	< 0.01	-	25	tr	
		Dark reddish grey fine grained weakly silicified chloritic altered syenite with	272171	600.4	601.3	0.9	11	-	0.01	-	2	0.5	
		primary textures destroyed, weakly chloritic fractured at 15-60 deg, alteration	272172	601.3	602.0	0.7	7	-	< 0.01	-	1	0.5	
		centered around shear below, trace to 0.5% finely disseminated pyrite, 1-25%,	272173	602.0	603.0	1.0	8	-	< 0.01	-	3		
		0.1-20 cm wide white irregular quartz veining with calcite fractures.	272174	603.0	604.0	1.0	6	-	< 0.01	-	2	0.5	
		602.0-603.0	272175	Blank			6	5	< 0.01	< 0.01			
		Dark green strongly chloritic shear zone with 2% quartz calcite veining,	272176	Au std # 16			1355	-	1.35	-			
		weakly to moderately sheared at 0-30 deg.	272177	604.0	605.0	1.0	5	-	< 0.01	-	1	tr	
			272178	605.0	606.0	1.0	3	-	< 0.01	-			
			272179	606.0	607.0	1.0	3	-	< 0.01	-	1		
607.00	**623.70**	Mafic Syenite and Feldspar Porphyry											
		Green grey red white grey mafic syenite to altered syenite with patchy feldspar											
		porphyritic texture over 10-20 cm widths, weakly chloritic fractured at 30-60 deg											
		with trace specularite along fractures, feldspar porphyritic below 620 m,											
		0.5-3 cm irregular dark green mafic inclusions, gradational upper contact, sharp											
		lower contact at 50 deg.											
623.70	**631.90**	Tonalite / Diorite											
		Pink grey green fairly massive medium grained weakly chloritic hematitic tonalite/											
		diorite with quartz rimming and interstitial in feldspars, 2%, 0.5-2 cm											
		subrounded to irregular dark green mafic inclusions, sharp upper contact											
		at 50 deg, lower contact obscured by bit markings.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
631.90	**652.30**	Mafic Syenite and Feldspar Porphyry											
		Green grey red white grey mafic syenite to altered syenite with patch feldspar											
		porphyritic texture over 10-20 cm widths, weakly chloritic fractured at 30-60 deg											
		1-20%, 0.1-8 cm calcite quartz chlorite veining at 30-50 deg in brecciated chloritic											
		altered zones with some narrow mafic intrusive dykes at vein contacts.											
652.30	**653.00**	Fault Zone, Quartz Vein Mafic Intrusive	272180	651.3	652.3	1.0	2	-	< 0.01	-	2		
		652.3-652.45	272181	652.3	653.0	0.7	3	-	< 0.01	-	45		
		Chloritic brecciated fault zone at 60 deg with minor gouge, 3% quartz-calcite veining	272182	653.0	654.0	1.0	13	-	0.01	-	1		
		652.45-652.75											
		White milky fractured quartz vein at 60-80 deg.											
		652.75-653.0											
		Dark red magnetic hematitic altered mafic dyke with 1% hornblende phenos,											
		lower contact marked by chloritic fault at 70 deg.											
653.00	**655.50**	Mafic Syenite and Feldspar Porphyry											
		Red green grey weakly hematitic weakly feldspar porphyritic altered syenite											
		to mafic syenite, moderately fractured at 40-60 deg.											
655.50	**656.30**	Diabase											
		Dark green fine to medium grained magnetic diabase dyke, upper contact											
		at 40 deg, lower contact at 55 deg.											
656.30	**668.00**	Feldspar Porphyry											
		Green grey feldspar porphyry with 10%, 1-3 mm white to grey anhedral to											
		euhedral feldspar phenocrysts in a medium grained weakly chloritic hematitic											
		altered syenite to mafic syenite matrix, 2%, 0.5-3 cm mafic inclusions, weakly											
		fractured at 30-70 deg, <1%, 1-5 mm white calcite quartz veining, sharp lower											
		contact at 40 deg.											
668.00	**691.20**	Tonalite / Diorite											
		Red grey green medium grained weakly hematitic altered tonalite / diorite											
		as above, intruded by 1-130 cm wide green weakly chloritic basalt inclusions											
		and gabbro to mafic intrusive dykes at 30-70 deg.											
691.20	**695.60**	Ultramafic Komatiite											
		Green to black green soft very fine grained basaltic komattite to ultramafic											
		komattite nonmagnetic, upper contact marked by calcite chlorite +- quartz veining											
		at 30 deg to 691.45 m.											
		691.75-693.15											
		Reddish dark grey fine grained massive magnetic diabase dyke at 40 deg.											
		695.4-695.6											
		Chloritic fault zone at 60 deg with 2 cm chloritic fault gouge in middle, 20 %,											
		1-3 cm wide white calcite quartz veining sat 60-90 deg.											

DESCRIPTION : Hole No. MC12_1														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
695.60	**704.50**	Feldspar Porphyry											
		red pink green grey weakly to moderately hematitic altered feldspar porphyry											
		with 5-10%, 1-3 mm feldspar phenocrysts in medium grained chloritic altered											
		syenite to mafic syenite matrix, moderately chloritic fractured at 30-60 deg,											
		1%, 1-5 mm white calcite veining, some dark green basalt inclusions up to 30 cm.											
704.50	**711.20**	Ultramafic Komattite											
		Dark green to blue green soft fine grained ultramafic komattite, talcose slippery											
		fractures at 20-30 deg, pink calcite veining from 704.65-704.85 m											
		irregular lower contact at approx 40 deg.											
		705.1-706.5											
		Grey to green grey feldspar porphyry dyke at 40 deg.											
711.20	**721.00**	Mafic Intrusive Syenite and Feldspar Porphyry											
		711.2-712.1											
		Red brown grey fine to medium grained weakly hematitic syenite.											
		712.1-713.05											
		Green fine grained mafic intrusive with irregular contacts.											
		713.05-718.0											
		Red green grey weakly hematitic feldspar porphyry syenite.											
		718.0-721.0											
		Grey green nonmagnetic massive fine grained mafic intrusive, wavy contacts											
		at 40 deg.											
721.00	**735.45**	Feldspar Porphyry Syenite											
		Grey pink grey white, feldspar porphyry with 5-10%, 1-3 mm anhedral to tabular											
		white feldspar phenocrysts in a medium grained syenite matrix, 1%, 0.1-2 cm wide											
		calcite quartz veining at 0-60 deg.											
		733.3-735.45											
		Red dark grey hematitic weakly silicified feldspar with ghost-like feldspar											
		phenocrysts, sharp lower contact at 55 deg.											
735.45	**757.50**	Syenite											
		Dark pink grey weakly hematitic medium grained massive syenite, 1-2%, 0.1-3 cm											
		wide white calcite-quartz veining at 10-80 deg.											
		735.65-736.8											
		Dark green medium grained magnetic chloritic gabbro dyke, sharp upper											
		contact at 50 deg marked by 5 cm white quartz calcite veining, irregular poorly											
		defined lower contact.											
		749.0-749.2	272183	749.2	750.5	1.3	8	-	< 0.01	-	1	tr	
		Dark green mafic dyke or basalt inclusion, fine grained, upper contact marked	272184	750.5	751.5	1.0	11	-	0.01	-		tr	
		by chloritic gouge fault at 40 deg.	272185	751.5	752.4	0.9	10	-	0.01	-	10	0.5	
		749.2-757.0	272186	752.4	753.4	1.0	10	-	0.01	-	20	0.5	
		Red grey hematitic calcitic medium grained altered syenite, moderately chloritic	272187	753.4	754.3	0.9	< 2	-	< 0.01	-	2	tr	
		fractured at 30-60 deg, trace to 0.5% disseminated pyrite, 5%, 1-20 cm wide,	272188	754.3	755.0	0.7	23	-	0.02	-	1	tr	
		white pink quartz calcite chlorite veining at 30-45 deg, RQD 25%.	272189	755.0	756.0	1.0	4	-	< 0.01	-		tr	
		757.0-757.5	272190	756.0	757.0	1.0	9	-	< 0.01	-	1	tr	
		Red pink silicified hematitic syenite, brecciated with calcitic fractures, 0.5%	272191	757.0	757.5	0.5	4	-	< 0.01	-		0.5	
		finely disseminated pyrite, lower contact at 30 deg.	272192	757.5	758.5	1.0	4	7	< 0.01	< 0.01			

DESCRIPTION : Hole No. MC12_1														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
757.50	**764.30**	Komatiite											
		Green calcitic fine grained komatiite, weakly foliated at 30 deg.											
764.30	**765.60**	Syenite	272193	764.3	765.6	1.3	4	-	< 0.01	-		tr	
		Dark red massive strongly hematitic altered medium grained syenite, contacts											
		at 20 deg, trace pyrite.											
765.60	**779.00**	Altered Komatiite	272194	765.6	766.3	0.7	7	-	< 0.01	-			
		Green olive green red and light beige white fine grained weakly ankeritic altered	272195	766.3	767.0	0.7	6	-	< 0.01	-	1		
		komattite, hematitic to 767 m, weakly to moderately foliated at 20-30-45 deg,	272196	767.0	768.0	1.0	8	-	< 0.01	-			
		more chloritic and brecciated over lower 2 m, lower contact broken.	272197	768.0	769.0	1.0	6	-	< 0.01	-	1		
		starting at 768 m 0.2-2 cm wide, light beige white weakly sericitic	272198	769.0	770.0	1.0	8	-	< 0.01	-	1		
		altered veins, lenses or fragments of fine grained altered felsite possibly quartz	272199	770.0	771.0	1.0	9	-	< 0.01	-	2		
		and feldspar porphyritic lenses are parallel to foliation.	272200	Blank			3	-	< 0.01	-			
		774.0-774.4	272201	Au std # 16			1387	-	1.39	-			
		Light grey weakly sericitic silicified altered fine to medium grained felsite, finely	272202	771.0	772.0	1.0	10	9	0.01	< 0.01	1	tr	
		brecciated with ankerite + - chlorite breccia matrix, same composition as stretched	272203	772.0	773.0	1.0	5	-	< 0.01	-	1	tr	
		lenses described above.	272204	773.0	773.9	0.9	5	-	< 0.01	-		tr	
			272205	773.9	774.7	0.8	10	-	0.01	-	2	0.5	
			272206	774.7	775.8	1.1	16	-	0.02	-			
			272207	775.8	776.9	1.1	24	-	0.02	-			
			272208	776.9	778.0	1.1	32	-	0.03	-			
			272209	778.0	779.0	1.0	5	-	< 0.01	-			
779.00	**784.90**	Altered Quartz Porphyry	272210	779.0	780.0	1.0	5	-	< 0.01	-	2	tr	
		Light beige fine to medium grained weakly sericitic altered felsite probably quartz	272211	780.0	781.0	1.0	8	-	< 0.01	-		tr	moly
		porphyritic with 1-2 mm rounded grey quartz of silicified feldspar phenocrysts	272212	781.0	782.0	1.0	6	7	< 0.01	< 0.01	1	tr	
		in a fine grained ankeritic sericitic felsic matrix, weakly chloritic fractured	272213	782.0	783.0	1.0	6	-	< 0.01	-	1	tr	cp
		at 15-25 deg, trace molybdenum on some fractures, 1%, 0.5-3 cm wide grey	272214	783.0	784.0	1.0	12	-	0.01	-	1	tr	
		white quartz +- ankerite veining at 10-90 deg, trace chalcopyrite in some veins,	272215	784.0	784.9	0.9	36	-	0.04	-	1	tr	
		trace fine grained disseminated pyrite in felsite.											
784.90	**786.70**	Komattite	272216	784.9	785.9	1.0	10	-	0.01	-	1		
		Grey green fine grained komattite, weakly foliated at 40 deg, sharp upper contact	272217	785.9	786.7	0.8	10	-	0.01	-	1		
		at 60 deg, irregular lower contact marked by grey quartz vein.											
786.70	**794.40**	Altered Quartz Porphyry	272218	786.7	787.7	1.0	11	-	0.01	-	3	tr	
		Light grey light beige and green weakly ankeritic sericitic silicified quartz porphyry	272219	787.7	788.7	1.0	10	-	0.01	-	1	tr	
		with 1-2 mm subrounded grey quartz phenocrysts in a weakly sericitic ankeritic	272220	788.7	789.7	1.0	13	-	0.01	-	1	tr	
		fine grained felsic matrix, weakly chloritic brecciation gives core a mottled texture,	272221	789.7	790.7	1.0	9	-	< 0.01	-	1	tr	
		<1%, 1-2 mm wide quartz veins at 10-70 deg with sericitic altered wallrocks	272222	790.7	791.7	1.0	11	12	0.01	0.01		tr	
		over 2-3 mm, trace pyrite, sharp lower contact at 20 deg.	272223	791.7	792.7	1.0	10	-	0.01	-	2	tr	
			272224	792.7	793.7	1.0	7	-	< 0.01	-	1	tr	
			272225	Au std # 16			1370	-	1.37	-			
			272226	Blank			6	-	< 0.01	-			
			272227	793.7	794.4	0.7	10	-	0.01	-	5	tr	

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
794.40	**801.30**	Altered Basalt and Komattite	272228	794.4	795.4	1.0	11	-	0.01	-	25		
		794.4-798.6	272229	795.4	796.6	1.2	15	-	0.01	-	2		
		Green grey to beige fine grained weakly ankeritic altered basalt with fracture	272230	796.6	797.6	1.0	10	-	< 0.01	-	5		
		controlled sericite alteration over 0.1-30 cm widths, interlayered with 10-100 cm	272231	797.6	798.6	1.0	10	-	0.01	-	1		
		wide foliated green white black green ultramafic komattite horizons foliated	272232	798.6	799.4	0.8	21	50	0.02	0.05	5	1	
		at 20-45 deg, avg 30 deg, 10%, 1-10 cm wide white to grey irregular quartz +-	272233	799.4	800.3	0.9	3	-	< 0.01	-	15		
		ankerite veining at all angles, trace pyrite.	272234	800.3	801.3	1.0	4	-	< 0.01	-	5	tr	
		794.6-794.8											
		Pink fine grained potassic sericitic silicified altered felsite dyke at 40 deg,											
		1% finely disseminated pyrite, one 1-5 cm wide irregular white quartz vein,											
		chloritic fractured.											
		798.6-799.4											
		Light beige grey sericitic ankeritic silicified felsite dyke with irregular contacts,											
		1% finely disseminated pyrite, 5%, 0.1-5 cm grey white quartz +_ ankerite											
		veining at 10-60 deg.											
		799.4-800.8											
		Olive green and white komattite, moderately foliated at 50-20 deg, 15%, 0.2-2 cm											
		wide off white ankerite veining parallel to foliation, lower contact at 20 deg											
		marked by 1 cm wide quartz vein at 800.8 m but interfingered to 801.3 m											
801.30	**816.60**	Altered Quartz Porphyry	272235	801.3	802.0	0.7	6	-	< 0.01	-	2	tr	
		800.8-811.7	272236	802.0	803.0	1.0	6	-	< 0.01	-	1	tr	
		Mottled grey green and beige weakly ankeritic sericitic altered chloritic quartz	272237	803.0	804.0	1.0	8	-	< 0.01	-	1	tr	
		porphyry with 1-3 mm subrounded light grey quartz phenocrysts in a fine grained	272238	804.0	805.0	1.0	6	-	< 0.01	-	1	tr	
		sericitic chloritic altered felsic matrix, weakly chloritic fractured at 0-60 deg,	272239	805.0	806.1	1.1	27	-	0.03	-	2	tr	
		1%, 1-10 mm white grey quartz veining at 0-60 deg with bleached sericitic altered	272240	806.1	807.2	1.1	20	-	0.02	-	2	tr	
		wallrocks over 2-5 mm.	272241	807.2	808.3	1.1	10	-	0.01	-	2	tr	
		811.7-816.6	272242	808.3	809.4	1.1	3	3	< 0.01	< 0.01	1	tr	
		Brown beige altered sericitic quartz porphyry, sericite alteration stronger than	272243	809.4	810.6	1.2	11	-	0.01	-	2	tr	
		above and very little chlorite alteration, 1-3%, 1-10 mm wide irregular quartz	272244	810.6	811.7	1.1	4	-	< 0.01	-	8	tr	
		ankerite veining, trace disseminated pyrite, lower contact marked by 20 cm wide	272245	811.7	812.7	1.0	3	-	< 0.01	-	1	tr	
		quartz ankerite vein at 40 deg, 2 cm green carbonate inclusion at 815.45 m.	272246	812.7	813.6	0.9	< 2	-	< 0.01	-	3	tr	
			272247	813.6	814.5	0.9	3	-	< 0.01	-	7		0.5
			272248	814.5	815.6	1.1	6	-	< 0.01	-	3	tr	
			272249	815.6	816.6	1.0	< 2	-	< 0.01	-	30	tr	
			272250	Au std # 16			1347	-	1.35	-			
			272251	Blank			< 2	-	< 0.01	-			
816.60	**818.00**	Deformed Carbonated Ultramafic	272252	816.6	817.3	0.7	< 2	< 2	< 0.01	< 0.01	30		
		Green dark green and off white carbonated foliated drag-folded ultramafic with 30%,	272253	817.3	818.0	0.7	< 2	-	< 0.01	-	25		
		ankerite veining parallel to foliation at 5-80 deg, sharp lower contact at 40 deg.											
818.00	**821.60**	Altered Basalt	272254	818.0	819.2	1.2	10	-	0.01	-	1	tr	
		Grey ankeritic fine grained altered basalt with patchy and fracture controlled	272255	819.2	820.4	1.2	4	-	< 0.01	-	3	tr	
		light beige sericite alteration, 3 %, 1-5 mm quartz ankerite veining with sericitic	272256	820.4	821.6	1.2	4	-	< 0.01	-	4	tr	
		altered wallrocks over 1 mm, trace pyrite.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
821.60	**823.60**	Deformed Carbonated Ultramafic	272257	821.6	822.1	0.5	5	-	< 0.01	-	2	0.5	
		821.6-822.1	272258	822.1	822.8	0.7	< 2	-	< 0.01	-	35		
		Pink beige tan fine grained strongly ankeritic potassic altered syenite dyke with	272259	822.8	823.6	0.8	< 2	-	< 0.01	-	30		
		1-3 cm wide ultramafic inclusions at upper contact and middle, 0.5% finely											
		disseminated pyrite, 2% quartz ankerite veining, contacts at 40 deg.											
		822.1-823.6											
		Grey and green ankeritic carbonated ultramafic, moderately foliated at 40-45 deg,											
		sharp lower contact at 40 deg.											
823.60	**825.10**	Altered Quartz Porphyry	272260	823.6	824.4	0.8	< 2	-	< 0.01		5	0.5	
		Beige pink ankeritic potassic sericitic altered quartz porphyry with 30%, 2-3 mm	272261	824.4	825.1	0.7	3	-	< 0.01	-	2	0.5	
		subrounded grey to white quartz phenocrysts in a beige pink ankerite potassic											
		fine grained felsic matrix, 2%, 1-10 mm wide grey and white quartz ankerite											
		veining at 0-70 deg, 1%, 1-5 mm wide later white ankerite quartz veining											
		at 40-90 deg, 0.5% finely disseminated pyrite, very irregular upper contact											
		at 30-0-30 deg over 20 cm, sharp lower contact at 30 deg.											
825.10	**825.70**	Dull Green Carbonate	272262	825.1	825.7	0.6	< 2	< 2	< 0.01	< 0.01	20		
		Olive green to weak dull emerald green carbonated ultramafic to dull green											
		carbonate, moderately foliated at 30-50 deg with depth.											
825.70	**827.80**	Altered Felsic Dyke	272263	825.7	826.7	1.0	2	-	< 0.01	-	8	1	
		Beige brown to grey fine grained variably carbonated sericitic silicified altered	272264	826.7	827.8	1.1	9	-	< 0.01	-	5	0.5	
		felsic to intermediate dyke, 5%, 1-10 mm wide light grey white quartz ankerite											
		veining at 0-40 deg cut by 3%, 1-5 mm wide white light grey ankerite veining											
		at all angles, weakly fractured to brecciated with sericitic altered fractures, trace											
		to 0.5% finely disseminated pyrite, sharp upper contact at 50 deg, 5 cm wide											
		ultramafic inclusion 15 cm from upper contact, sharp jagged lower contact.											
827.80	**828.30**	Green Carbonate Zone	272265	827.8	828.3	0.5	3	-	< 0.01	-	20		
		Emerald green to dark green and white green carbonate, moderate wavy											
		foliation at 20-30 deg, 20%, 1-8 cm wide irregular white quartz +- ankerite veining											
		lower contact at 25 deg.											
828.30	**829.95**	Altered Felsic Dyke	272266	828.3	829.2	0.9	3	-	< 0.01	-	10	1	
		Beige brown ankeritic sericitic silicified altered felsic to intermediate dyke as at	272267	829.2	830.0	0.8	3	-	< 0.01	-	3	1	
		825.7 m but dyke is 100% altered, weakly chloritic and sericitic fractured,											
		10%, quartz ankerite and ankerite quartz veining at 10-90 deg, 1% finely											
		disseminated pyrite, sharp irregular lower contact at 40 deg.											
829.95	**830.70**	Green Carbonate Zone	272268	830.00	830.70	0.7	2	-	< 0.01	-	25		
		Bright emerald green white and green carbonate, foliated at 30-40 deg,											
		lower contact at 40 deg, 15%, 0.1-2.5 cm wide light grey to white quartz +-ankerite											
		veining subparalel to foliation.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
830.70	**831.70**	Altered Quartz Porphyry	272269	830.70	831.7	1.0	< 2	-	< 0.01	-	2	1	
		Light beige silicified sericitic carbonated quartz porphyry with 30%, 2-3 mm											
		subrounded dark grey to grey quartz phenocrysts in a sericitic ankeritic altered											
		felsic matrix, 2%, 1-5 mm grey and white quartz +- ankerite veining at 20-30 deg,											
		1% finely disseminated pyrite, lower contact at 20 deg.											
831.70	**832.60**	Green Carbonate Zone	272270	831.7	832.6	0.9	< 2	-	< 0.01	-	25		
		Bright emerald green carbonate, foliated at 20-30 deg, 20% white ankerite veining											
		parallel to foliation, 3% later white quartz veining, lower contact marked by ground											
		broken quartz vein.											
832.60	**835.50**	Altered Quartz Porphyry	272271	832.6	833.5	0.9	5	-	< 0.01	-	5	1	
		Beige to beige grey to grey towards lower contact, sericitic ankeritic to silicified	272272	833.5	834.5	1.0	15	6	0.02	< 0.01	5	1	
		altered quartz porphyry with 40%, 2-4 mm light grey to beige grey quartz	272273	834.5	835.5	1.0	11	-	0.01	-	3	0.5	
		phenocrysts in a sericitic silicified altered felsic matrix, 1-5%, 0.1-2 cm wide light											
		grey white quartz ankerite veining at 20-90 deg, 1-0.5% finely disseminated pyrite.											
		lower contact marked by 5 mm white quartz vein at 70 deg.											
835.50	**840.00**	Felsic Dyke	272274	835.5	836.4	0.9	5	-	< 0.01	-	3	0.5	
		Grey to brown beige massive medium to coarse grained felsic dyke with feldspar	272275	836.4	837.0	0.6	5	-	< 0.01	-	1	tr	
		and some quartz crystals in a light beige sericitic ankeritic matrix, alteration from	272276	Au std # 16			1371	-	1.37	-			
		above unit gradually decrease until dyke becomes moderately magnetic and	272277	Blank			4	-	< 0.01	-			
		more chloritic matrix at 836.95 m, sharp lower contact at 25 deg.	272278	837.0	838.0	1.0	3	-	< 0.01	-	1	tr	
			272279	838.0	839.0	1.0	9	-	< 0.01	-	1	tr	
			272280	839.0	840.0	1.0	4	-	< 0.01	-	1	tr	
840.00	**841.70**	Carbonated Ultramafic	272281	840.0	840.8	0.8	< 2	-	< 0.01	-	10		
		Dark green and white carbonated serpentinized ultramafic, moderately foliated	272282	840.8	841.7	0.9	< 2	< 2	< 0.01	< 0.01	10		
		at 15 deg, lower contact at 35 deg.											
841.70	**845.60**	Hematitic Feldspar Quartz Porphyry	272283	841.7	842.6	0.9	18	-	0.02	-	8	1	
		Dark maroon red hematitic feldspar quartz porphyry with 20% feldspar and 10%	272284	842.6	843.5	0.9	8	-	< 0.01	-	3	0.5	
		quartz 2-3 mm white and grey phenocrysts in a hematitic fine grained altered	272285	843.5	844.6	1.1	9	-	< 0.01	-	5	0.5	
		felsic matrix, weakly to locally strongly magnetic, 5-10%, 0.1-2 cm wide,	272286	844.6	845.6	1.0	10	-	< 0.01	-	10	1	
		white crystalline quartz veining at 60-70 deg with <2% grey glassy quartz, finely											
		0.5-1% disseminated pyrite, irregular lower contact.											
845.60	**849.80**	Carbonated Ultramafic	272287	845.6	846.8	1.2	11	-	0.01	-	15		
		Dark green to black green soft strongly nonmagnetic to strongly magnetic	272288	846.8	847.8	1.0	20	-	0.02	-	15		
		serpentinized ultramafic, massive to moderately foliated at 20-30 deg, lower	272289	847.8	848.7	0.9	7	-	< 0.01	-	20		90%rec
		contact at 30 deg.	272290	848.7	849.8	1.1	8	-	< 0.01	-	20		
849.80	**853.10**	Hematitic Feldspar Quartz Porphyry	272291	849.8	850.9	1.1	9	-	< 0.01	-	1		
		Dark maroon red to bright brick red hematitic feldspar quartz porphyry with 20%	272292	850.9	852.1	1.2	14	10	0.01	< 0.01	10	1	
		feldspar and 5% quartz 2-3 mm white and grey phenocrysts in a hematitic fine	272293	852.1	853.1	1.0	9	-	< 0.01	-	2	tr	
		grained altered matrix, weakly magnetic, 1-10%, 0.1-2 cm wide, white crystalline											
		quartz veining at 60-70 deg with <1% grey glassy quartz, trace to 0.5% finely											
		disseminated pyrite, sharp lower contact at 30 deg.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
853.10	**854.40**	Carbonated Ultramafic	272294	853.1	854.4	1.3	10	-	0.01	-	20		
		Dark black green talcose serpentinized carbonated ultramafic, moderately sheared											
		at 20-40 deg.											
		854.30-854.35											
		Chloritic fault gouge at 60 deg.											
854.40	**857.50**	Syenite	272295	854.4	855.4	1.0	8	-	< 0.01	-	2	tr	
		Dark maroon and green hematitic medium to coarse grained altered syenite	272296	855.4	856.4	1.0	8	-	< 0.01	-	2	tr	
		or mafic syenite, strongly magnetic, 1-10%, 0.1-1 cm wide white crystalline quartz	272297	856.4	857.6	1.2	7	-	< 0.01	-	3	tr	
		with<1% glassy light gray quartz, trace disseminated pyrite, sharp lower contact											
		at 40 deg, ultramafic inclusion at 855.15-855.40 m.											
857.50	**869.30**	Carbonated Ultramafic											
		Dark green to black green soft talcose carbonated serpentinized carbonated											
		foliated ultramafic with10%, 10-50 cm wide blue green fine grained massive											
		ultramafic sections, weakly magnetic, moderately foliated at 30-50 deg.											
		865.2-867.95											
		Black with grey specks massive lamprophyre dyke at 20 deg, nonmagnetic.											
869.30	**873.00**	Syenite	272298	868.5	869.3	0.8	16	-	0.02	-	15	tr	
		Red to green red medium grained strongly magnetic massive altered syenite,	272299	869.3	870.5	1.2	38	-	0.04	-	8	tr	
		5-10%, 0.1-1cm wide white crystalline quartz veining with <1% grey glassy quartz	272300	Au std # 16			1363	-	1.36	-			
		at 30-40 deg, trace disseminated pyrite, sharp but irregular contacts.	272301	Blank			5	-	< 0.01	-			
		870.5-871.1	272302	870.5	871.1	0.6	13	-	0.01	-	1		
		Dark green ultramafic to komattite inclusion/horizon.	272303	871.1	872.0	0.9	10	-	0.01	-	5	tr	
			272304	872.0	873.0	1.0	13	-	0.01	-	5	tr	
873.00	**911.50**	Carbonated Ultramafic	272305	873.0	874.2	1.2	12	-	0.01	-	3	tr	
		Dark black green to speckled white grey green talcose serpentinized carbonated											
		ultramafic with 10-35%, 0.2-3 cm wide white carbonate veining, 10-15%, 10-50 cm											
		wide fine grained blue green massive horizons, moderately foliated at 30-50 deg.											
		873.9-874.1											
		Pink red grey irregular hematitic altered irregular syenite dyke, nonmagnetic,											
		1% finely disseminated pyrite , #5 quartz veining.											
		881.5-881.6, 881.70-881.71, 884.35-884.38 and 886.0-886.1											
		Dark green white talcose gouge faults at 20, 20, 70 and 60 deg.											
		886.3-887.55, 889.6-892.4, 897.85-898.4 and 903.0-904.1											
		Black green and brown green strongly magnetic biotitic massive lamprophyre											
		dykes at 20-40 deg, 1-2% disseminated calcite, 1-2% off white ankerite veining.											
		892.4-897.85	272306	892.4	893.6	1.2	9	-	< 0.01	-	5	tr	
		Light green grey and white strongly talcose altered shear zone, strongly foliated	272307	893.6	895.0	1.4	11	10	0.01	0.01	5	tr	
		at 20-30 deg, 0.5-1 cm wide faults with gouge at 20-40 deg, 5-10%, 0.1-1.5 cm	272308	895.0	896.0	1.0	11	-	0.01	-	5	tr	
		wide white ankerite veining parallel to foliation, trace streaky fuchsite lenses	272309	896.0	897.0	1.0	12	-	0.01	-	10	tr	
		in veining, trace fine to medium grained pyrite cubes.	272310	897.0	898.0	1.0	11	-	0.01	-	10	tr	
		907.8-908.5											
		Grey and black feldspar porphyry dyke at 50-70 deg, 5%, 2-3 mm grey anhedral											
		feldspar phenocrysts in a fine grained black mafic to ultramafic matrix.											

DESCRIPTION : Hole No. MC12_1													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au ppb	Au Chk	Au g/t	Au Chk	Qcv (%)	Pyrite (%)	
911.50	**915.80**	Lamprophyre Dyke											
		Black to brown green nonmagnetic medium grained massive biotitic calcitic											
		lamprophyre dyke at 50-60 deg, 0.5-1% finely disseminated pyrite over upper 1 m.											
915.80	**925.00**	Komattite											
		Dark green to blue black green calcitic fine grained massive basaltic komattite,											
		1-%, 0.1-10 mm lensey white calcite quartz veining, trace pyrite, intruded by											
		20 cm wide lamprophyre dyke at 919.1 m, sharp lower contact at 50 deg.											
925.00	**927.00**	Carbonated Ultramafic											
		Black green soft talcose serpentinized carbonated ultramafic, weakly foliated											
		at 40-45 deg, 5%, white ankerite veining.											
		925.5-926.4											
		Dark green fine grained weakly magnetic calcitic massive lamprophyre dyke											
		at 60-50 deg.											
	927.00	EOH											
		Casing left in hole.											

PROPERTY: Murdoch Creek- Teck A and AK			HOLE NUMBER: MC12_2						
Province:	Ontario	**DATE LOGGED:** June 22 to July 12, 2012	**Grid E**	91+00	**Method**	**Depth**	**Az corr.**	**Dip**	**Mag**
Township	Teck	**LOGGED BY:** Wayne Benham	**Grid N**	85+00		0	341	-57	
Started:	21-Jun-12	**DRILLED BY:** Cabo Drilling Ontario Corp.	**UTM E:**	571718	REFLEX	24	340.9	-57.9	54830
Completed:	11-Jul-12	**UNITS:** Metres	**UTM N:**	5330004		84	341.1	-58.1	55220
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	272		144	342.5	-57.9	55230
			Length:	743.55		204	342.0	-57.3	55200
						264	344.9	-57.5	55030
PURPOSE:	To test IP and Magnetic anomalies in Murdoch Creek Stock					324	347.0	-57.7	55510
						384	347.9	-57.5	55580
COMMENTS:	Sample Numbers 272311-272502 inclusive and 593001-593061 inclusive, 235 sawn 1/2 core samples					444	348.2	-57.9	55620
	9 Blank samples and 9 Au Standards #16 samples (SH 55 1.375 g/t Au).					507	348.5	-58.1	55120
						564	351.2	-58.6	55040
						654	353.1	-58.6	55790
						714	353.8	-59.7	55400

SUMMARY LOG: MC12_2			ASSAY SUMMARY					
From	**To**	**Lithology**	**From**	**To**	**Meters**	**Au g/t**		**Zone**
0.00	**5.50**	OVB						
5.50	**10.20**	Basalt						
10.20	**21.00**	Feldspar Porphyry						
21.00	**55.30**	Carbonated Ultramafics.						
55.30	**58.30**	Felsic Dyke Feldspar Porphyry						
58.30	**68.60**	Carbonated Ultramafic and Komatiite						
68.60	**76.30**	Shear Zone						
76.30	**82.00**	Carbonated Ultramafic						
82.00	**83.50**	Felsic Dyke						
83.50	**86.20**	Carbonated Ultramafic						
86.20	**98.30**	Syenite						
98.30	**120.20**	Quartz Carbonate Vein Zone Altered Syenite						
120.20	**125.00**	Carbonated Ultramafic						
125.00	**131.30**	Altered Syenite						
131.30	**146.20**	Carbonated Ultramafic						
146.20	**165.50**	Altered Syenite						
165.50	**217.35**	Syenite to Mafic Syenite						
217.35	**220.20**	Ultramafic						
220.20	**298.10**	Pyroxenite						
298.10	**304.90**	Syenite Porphyry						
304.90	**314.10**	Mafic Syenite						
314.10	**361.40**	Syenite Porphyry						
361.40	**394.80**	Altered Chloritic Syenite / Mafic Syenite						
394.80	**404.55**	Syenite Porphyry						

SUMMARY LOG: MC12_2			ASSAY SUMMARY					
404.55	**454.90**	Altered Chloritic to Hematitic Syenite						
454.90	**458.20**	Quartz Carbonate Vein Zone						
458.20	**477.90**	Altered Chloritic Hematitic Syenite						
477.90	**481.20**	Fault Zone						
481.20	**486.40**	Altered Syenite						
486.40	**492.60**	Carbonated Ultramafic						
492.60	**498.00**	Shear Zone						
498.00	**504.70**	Ultramafic						
504.70	**515.30**	Lamprophyre Dyke						
515.30	**517.25**	Ultramafic						
517.25	**542.65**	Syenite Porphyry						
542.65	**550.55**	Mafic Syenite						
550.55	**553.30**	Syenite Porphyry						
553.30	**554.25**	Diabase Dyke						
554.25	**576.80**	Pyroxenite						
576.80	**586.10**	Altered Feldspar Porphyry						
586.10	**611.80**	Altered Syenite						
611.80	**614.20**	Mafic Intrusive						
614.20	**620.70**	Altered Chloritic Hematitic Syenite						
620.70	**625.50**	Fault Zone						
625.50	**633.90**	Quartz Carbonate Vein Zone						
633.90	**664.60**	Syenite						
664.60	**675.20**	Altered Hematitic Syenite Porphyry						
675.20	**680.90**	Komatiite Ultramafic						
680.90	**696.10**	Mafic Syenite						
696.10	**706.80**	Altered Hematitic Syenite						
706.80	**743.55**	Mafic Syenite / Syenite						
	743.55	EOH						

DESCRIPTION : Hole No. MC12_2														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
0.00	**5.50**	OVB											
		Casing to 9 m.											
5.50	**10.20**	Basalt											
		Green to dark green weakly ankeritic fine grained massive basalt to komattite											
		basalt, <1%, 1-3 mm white ankerite quartz veining.											
10.20	**21.00**	Feldspar Porphyry	272311	10.2	11.0	0.8	0.01	-				tr	
		10.2-14.9	272312	11.0	12.0	1.0	0.01	-				tr	
		Light grey to pink grey weakly ankeritic feldspar porphyry with 3-5%, 1-3 mm	272313	12.0	12.9	0.9	0.01	-				tr	
		white to grey euhedral plagioclase and anhedral feldspar phenocrysts in a	272314	12.9	13.9	1.0	0.01	-				tr	
		fine to medium grained grey felsic matrix, trace disseminated pyrite, sharp	272315	13.9	14.9	1.0	0.01	-			1	tr	
		upper contact at 30 deg.	272316	14.9	16.0	1.1	< 0.01	-				tr	
		14.9-16.0	272317	16.0	17.0	1.0	< 0.01	< 0.01				tr	
		Black fine grained massive lamprophyre dyke with hornblende phenocrysts,	272318	17.0	18.1	1.1	0.01	-			1	tr	
		trace disseminated pyrite, upper contact at 10 deg, lower contact broken.	272319	18.1	19.1	1.0	< 0.01	-			1	tr	
		16.0-18.1	272320	19.1	20.0	0.9	0.02	-				0.5	
		Light grey to pink grey weakly ankeritic feldspar porphyry with 3-5%, 1-3 mm	272321	20.0	21.0	1.0	0.01	-			1	0.5	
		white to grey euhedral plagioclase and anhedral feldspar phenocrysts in a	272322	21.0	21.8	0.8	< 0.01	-			2		85%rec
		fine to medium grained grey felsic matrix, trace disseminated pyrite, irregular											
		lower contact											
		18.1-19.1											
		Black green brecciated ultramafic with serpentine breccia matrix, lower contact											
		at 30 deg.											
		19.1-21.0											
		Light grey weakly ankeritic silicified feldspar porphyry with 3-5%											
		white euhedral and anhedral feldspar phenocrysts in a fine grained weakly											
		silicified light grey felsic matrix, 1%, 0.5x1 mm disseminated dark green											
		hornblende ;lath-shaped phenocrysts, 0.5% finely disseminated pyrite,											
		lower contact interfingered into ultramafics at 40-10 deg over 20 cm.											
21.00	**55.30**	Carbonated Ultramafics											
		21.0-21.8											
		Black green chloritic serpentinized sheared ultramafic, badly broken core,											
		75% recovery, strongly sheared at 10 deg.											
		21.8-23.9											
		Black brown green biotitic massive lamprophyre dyke at 10-40 deg.											
		23.9-36.9											
		Dark green black fine grained serpentinized talcose carbonated ultramafic,											
		weakly foliated at 30-40 deg, 5-15%, 0.1-1.5 cm wide lensey white ankerite-quartz-											
		calcite veining, ultramafics intruded by 0.1-1 m usually magnetic lamprophyre dykes											
		36.9-45.6											
		Dark green more massive less ultramafic section, upper contact gradational to											
		grey green komattite flow, weakly magnetic fine grained and massive, calcitic,											
		1% calcite +- quartz veining.											
		45.6-45.9											
		Muddy green fault at 20-15 deg with abundant fault gouge.											

DESCRIPTION : Hole No. MC12_2														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		45.9-54.9											
		Dark green black fine grained serpentinized talcose carbonated ultramafic,											
		weakly foliated at 30-40 deg, 5-15%, 0.1-1.5 cm wide lensey white ankerite-quartz-											
		calcite veining, ultramafics intruded by 0.1-1 m usually magnetic lamprophyre dykes											
		55.0-55.3											
		Chloritic fault with gouge, upper contact at 30 deg, lower contact at 60 deg.											
55.30	**58.30**	Felsic Dyke Feldspar Porphyry	272323	55.3	56.3	1.0	0.01	-			5	tr	cp
		Pink grey to grey weakly ankeritic medium to coarse grained weakly feldspar	272324	56.3	57.3	1.0	0.01	-				tr	cp
		porphyritic felsic dyke with <1% 1-3 mm poorly defined white feldspar phenocrysts	272325	Au Std # 16			1.36	-					
		in a grey felsic matrix, trace disseminated pyrite and chalcopyrite, 2-10%, 0.1-5 cm	272326	Blank			< 0.01	-					
		wide pink white calcite quartz veining at 10-70 deg., sharp lower contact at 30 deg.	272327	57.3	58.3	1.0	< 0.01	0.02			2	tr	
58.30	**68.60**	Carbonated Ultramafic and Komatiite											
		Dark green black fine grained serpentinized talcose carbonated ultramafic with 30%											
		1-5 cm wide, irregular calcite quartz veining, moderately foliated at 10-30 deg,											
		61.5-64.1											
		Dark grey black massive magnetic komatiite flow with 1% veining, contacts											
		at 50-40 deg.											
		64.1-64.75											
		Serpentinized fault zone at 10-20 deg with fault gouge, strong fracturing at 0-5 deg.											
		64.75-68.6											
		Mix of green brown nonmagnetic medium grained massive lamprophyre dykes and											
		massive komatiite.											
68.60	**76.30**	Shear Zone											
		Serpentinized moderately foliated talcose carbonated ultramafic with 0.5-1 cm											
		wide fault gouge, foliation at 5-30 deg, strongly fractured core, RQD 0%											
		75.5-76.3											
		Ground core 25% recovery.											
76.30	**82.00**	Carbonated Ultramafic											
		Green black serpentinized fine grained carbonated ultramafic with calcite veining,											
		strongly magnetic, weakly foliated at 30-50 deg, 2%, calcite quartz ankerite											
		veining, trace pyrite.											
82.00	**83.50**	Felsic Dyke	272328	82.0	82.7	0.7	< 0.01	-			2	tr	
		Beige pink grey, strongly magnetic weakly calcitic medium to coarse grained	272329	82.7	83.5	0.8	< 0.01	-			1	tr	
		felsic dyke with poorly defined feldspar and quartz phenocrysts, trace pyrite,											
		upper contact at 70 deg., lower contact at 40 deg.											
83.50	**86.20**	Carbonated Ultramafic											
		Dark green black nonmagnetic carbonated ultramafic, massive to weakly foliated											
		at 50 deg, 10%, 1-10 mm wide calcite+-quartz veining at 30-50 deg.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
86.20	**98.30**	Syenite	272330	86.2	87.2	1.0	0.01	-			1	tr	
		86.2-93.4	272331	87.2	88.3	1.1	< 0.01	-			2	tr	
		Red to grey and green nonmagnetic weakly calcitic fine to medium grained	272332	88.3	89.4	1.1	< 0.01	-			4	tr	
		massive syenite, 1%, 0.1-1.5 cm wide white quartz calcite veining at 30-50 deg,	272333	89.4	90.4	1.0	< 0.01	-			1	tr	
		trace finely disseminated pyrite, sharp upper contact at 30 deg, gradational	272334	90.4	91.4	1.0	< 0.01	-			1	tr	
		lower contact.	272335	91.4	92.5	1.1	< 0.01	-			1	tr	
		93.4-98.3	272336	92.5	93.4	0.9	< 0.01	-			1	tr	
		Light pink grey medium to coarse grained massive syenite with 2-5% fracture	272337	93.4	94.4	1.0	< 0.01	< 0.01			1	tr	
		controlled pink albite / potassic alteration, 3-5%, white and light grey ankerite	272338	94.4	95.3	0.9	0.02	-			2	tr	
		quartz veining at 30-70 deg, trace disseminated pyrite, gradational lower contact.	272339	95.3	96.3	1.0	0.02	-			2	tr	
			272340	96.3	97.4	1.1	0.02	-			3	tr	
			272341	97.4	98.3	0.9	0.01	-			1	tr	
98.30	**120.20**	Quartz Carbonate Vein Zone Altered Syenite	272342	98.3	99.2	0.9	< 0.01	-			5	tr	
		Pink red brick red and green grey coarse grained albitized altered syenite with	272343	99.2	100.3	1.1	0.01	-			3	0.5	
		15-40%, fracture and vein controlled albitite alteration, 5-25%, 0.1-15 cm wide	272344	100.3	101.2	0.9	0.02	-			6	tr	
		white ankerite (80%) and light grey quartz (15-20 %) and black green chlorite	272345	101.2	102.3	1.1	0.01	-			3	tr	
		(0-5%) veins at 30-80 deg cut at 1-10 mm wide white grey ankerite veins at 30-150	272346	102.3	103.0	0.7	0.02	-			5	tr	
		deg, some earlier veins have 0.5-1 mm chloritic fractures and/or 1-10 mm massive	272347	103.0	104.0	1.0	< 0.01	-			5	tr	
		chlorite blebs, veining decreases below 110.7 m to 120.2 m 1-10%, trace fine	272348	104.0	105.0	1.0	< 0.01	-			8	tr	
		grained pyrite,sharp lower contact at 30 deg.	272349	105.0	105.8	0.8	< 0.01	-			25	tr	
			272350	Au Std # 16			1.35	-					
			272351	Blank			< 0.01	-					
			272352	105.8	106.8	1.0	< 0.01	-			15	tr	
			272353	106.8	107.8	1.0	< 0.01	-			8	0.5	
			272354	107.8	108.8	1.0	0.03	-			5	0.5	
			272355	108.8	109.8	1.0	< 0.01	-			15		
			272356	109.8	110.7	0.9	< 0.01	< 0.01			10		
			272357	110.7	111.7	1.0	0.04	-			2		
			272358	111.7	112.7	1.0	0.1	-			5		
			272359	112.7	113.9	1.2	0.03	-			3		
			272360	113.9	115.0	1.1	< 0.01	-			1		
			272361	115.0	116.1	1.1	0.01	-			5		
			272362	116.1	117.2	1.1	< 0.01	-			3		
			272363	117.2	118.2	1.0	0.01	-			10		
			272364	118.2	119.2	1.0	0.01	-			5		
			272365	119.2	120.2	1.0	< 0.01	-			5	tr	
120.20	**125.00**	Carbonated Ultramafic	272366	120.2	121.2	1.0	< 0.01	< 0.01			20	tr	
		Green and white ankeritic talcose carbonated ultramafic, strongly foliated	272367	121.2	122.2	1.0	< 0.01	-			20		
		at 0-20 deg, 30-50%, 0.1-2 cm ankerite veining parallel to foliation, trace pyrite.	272368	122.2	123.3	1.1	< 0.01	-			30		
			272369	123.3	124.2	0.9	< 0.01	-			25		
			272370	124.2	125.0	0.8	< 0.01	-			20		

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
125.00	**131.30**	Altered Syenite	272371	125.0	125.7	0.7	0.11	-			3	1	
		125.0-127.7	272372	125.7	126.7	1.0	0.05	-			2	0.5	
		Dark green and pink grey brecciated fractured chloritic potassic and albitized	272373	126.7	127.7	1.0	0.07	-			3	1	
		altered coarse grained syenite with dark green ultramafic inclusions or syenite	272374	127.7	128.7	1.0	0.03	-			5	1	
		contact is cutting in and out of ultramafics, albitite alteration is very patchy and	272375	Au Std # 16			1.37	-					
		contains 0.5-1% finely disseminated pyrite, broken upper contact, gradational	272376	Blank			< 0.01	< 0.01					
		lower contact.	272377	128.7	129.7	1.0	0.08	-			1	0.5	
		155.4-155.45	272378	129.7	130.4	0.7	0.14	-			5	1	
		2% chalcopyrite as 2-5 mm blebs and 2x3 mm slivers.	272379	130.4	131.3	0.9	0.02	-			8	0.5	
		127.7-131.3											
		Dark red green to light pink salmon light grey, finely chloritic ankeritic brecciated											
		ankeritic hematitic albitized silicified altered syenite, 5%, 0.5-5 cm wide, light											
		grey quartz ankerite veining at 30-80 deg, 0.5-1% finely disseminated pyrite,											
		more chloritic over lower 1m, lower contact marked by 1 cm wide talcose chloritic											
		fault gouge at 10 deg.											
131.30	**146.20**	Carbonated Ultramafic	272380	131.3	132.2	0.9	< 0.01	-			30		
		131.3-133.2	272381	132.2	133.2	1.0	0.01	-			80		
		Dark green black talcose serpentinized carbonated ultramafic intruded by	272382	133.2	134.3	1.1	0.02	-			15		
		70%, 2-35 cm wide white and light grey irregular boudinaged weakly drag-folded											
		ankerite quartz veining at 10-80 deg, sharp lower contact at 30 deg.											
		133.2-143.4											
		Green dark green blue green and white foliated to massive ankeritic talcose											
		carbonated ultramafic, massive sections are magnetic, 15-25% ankerite veining											
		parallel to moderate to strong foliation at 10-20 deg.											
		143.4-143.8											
		Talcose chloritic fault at 10 deg with gouge.											
		143.8-146.2											
		Dark green talcose chloritic serpentinized ultramafic strongly drag-folded with											
		donut texture, 20-25%, 5-20 cm milky white irregular quartz ankerite veining.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
146.20	**165.50**	Altered Syenite	272383	145.2	146.2	1.0	< 0.01	-			15		
		146.2-156.2	272384	146.2	147.2	1.0	0.02	-			2	0.5	
		Pink red grey green ankeritic hematitic albitized silicified fractured medium to	272385	147.2	148.2	1.0	0.01	-			10	1	
		coarse grained altered syenite, weak fracturing to foliation at 35-40 deg, three	272386	148.2	149.2	1.0	0.02	0.02			5	0.5	
		phases of veining, 2-3% early 1-10 mm white light grey quartz ankerite veining	272387	149.2	150.2	1.0	0.01	-			3	tr	
		parallel to chloritic fractures, 0-10%, 0.1-5 cm light grey quartz veins and fragments	272388	150.2	151.2	1.0	< 0.01	-			5	0.5	
		at 150-160 deg and 1-10 mm white ankerite quartz veining cross cutting fractures	272389	151.2	152.2	1.0	0.02	-			5	0.5	
		at 120-130 deg, trace to 1% finely disseminated pyrite and along chloritic	272390	152.2	153.2	1.0	0.03	-			5	0.5	
		fractures, sharp chloritic upper contact at 20-30 deg, gradational lower contact.	272391	153.2	154.2	1.0	0.06	-			5	0.5	
		156.2-165.5	272392	154.2	155.2	1.0	0.04	-			15	1	
		Darker green and red hematitic coarse grained syenite weaker chloritic fracturing	272393	155.2	156.2	1.0	0.08	-			10	1	
		and weaker fracture controlled albitization and silicification, 1-10 mm wide pink	272394	156.2	157.2	1.0	< 0.01	-			1	tr	
		white quartz ankerite veining at various angles, trace disseminated pyrite.	272395	157.2	158.3	1.1	< 0.01	-			3	tr	
			272396	158.3	159.4	1.1	< 0.01	< 0.01			3	tr	
			272397	159.4	160.5	1.1	< 0.01	-			3	tr	
			272398	160.5	161.5	1.0	< 0.01	-			5	0.5	
			272399	161.5	162.5	1.0	< 0.01	-			3	tr	
			272400	Au Std # 16			1.36	-					
			272401	Blank			< 0.01	-					
			272402	162.5	163.5	1.0	0.01	-			3	tr	
			272403	163.5	164.5	1.0	< 0.01	-			3	tr	
			272404	164.5	165.5	1.0	0.02	-			1	tr	
165.50	**217.35**	Syenite to Mafic Syenite											
		Red grey and green magnetic massive hematitic calcitic medium to coarse grained											
		syenite with 10-15% chloritic amphibole matrix, 1-5%, 1-10 mm pink white calcite											
		quartz veining at 20-70 deg, avg 30 deg, weakly chloritic fractured / jointed.											
		188.3-189.3	272405	187.3	188.3	1.0	< 0.01	-			1		
		Dark grey to brick red chloritic brecciated syenite zone, moderately hematitic	272406	188.3	189.3	1.0	< 0.01	-			3	tr	
		albitized and silicified, 3%, 0.1-1.5 cm fragment white ankerite quartz veining	272407	189.3	190.3	1.0	< 0.01	-			1		
		in breccia matrix, trace pyrite.											
		192.0-201.3	272408	192.0	193.0	1.0	< 0.01	< 0.01			5	tr	
		Dark red green nonmagnetic hematitic altered syenite with irregular fracture	272409	193.0	194.0	1.0	< 0.01	-			5	tr	
		controlled stronger hematite albitite alteration, 2-5%, 1-10 mm wide white and pink	272410	194.0	195.0	1.0	< 0.01	-			5	tr	
		calcite quartz veining at 40-80 de, trace pyrite.	272411	195.0	196.0	1.0	< 0.01	-			8	tr	
		197.05-197.55 and 198.7-199.6	272412	196.0	197.0	1.0	< 0.01	-			3	tr	
		Dark blue green magnetic and nonmagnetic massive to weakly foliated at 20 deg	272413	197.0	198.0	1.0	< 0.01	-			10	tr	
		carbonated serpentinized ultramafic zone at 15-20 deg.	272414	198.0	198.7	0.7	< 0.01	-			2		
			272415	198.7	199.6	0.9	< 0.01	-			10		
		199.6-201.3	272416	199.6	200.7	1.1	< 0.01	-			10	tr	
		Red green chloritic brecciated syenite with 1-10%, 1-2 cm wispy pink white calcite	272417	200.7	201.3	0.6	< 0.01	-			50		cp
		quartz veins at 30-55 and 30% white irregular coarse calcite veins with two 1-3 cm	272418	201.3	202.3	1.0	< 0.01	< 0.01			1		
		chalcopyrite blebs, trace pyrite.											
		201.3-217.35											
		Red grey and green weakly hematitic magnetic calcitic medium grained syenite,											
		locally weakly feldspar porphyritic.											
		205.6-207.7 and 210.6-211.2											
		Dark green magnetic massive ultramafic intervals at 15-20 deg.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
217.35	**220.20**	Ultramafic											
		Dark green fine grained magnetic to nonmagnetic ultramafic with 1-20 cm wide											
		dark maroon hematitic syenite dykes, upper contact at 30 deg, lower contact											
		at 15 deg.											
220.20	**298.10**	Pyroxenite											
		Green black weakly magnetic calcitic, medium grained pyroxenite with 2-3 mm blue											
		green pyroxene "phenocrysts" in a fine to medium grained weakly hematitic											
		chloritic red green felsic to mafic matrix,1-3%, 1-10 mm wispy irregular											
		pink white calcite quartz veining, coarser grained and strongly magnetic over											
		50-150 cm wide sections e.g. 273.5 m, hematitic alteration increases over 1-3 m											
		sections.											
		281.8-283.3	272419	281.8	282.5	0.7	< 0.01	-			8	1	
		Darker green and dark red hematitic chloritic altered section with 3%, 0.1-1.5 cm	272420	282.5	283.3	0.8	0.02	-			3	1	
		wide white quartz calcite veining parallel to weak chloritic fracturing at 20-30 deg,											
		1% finely disseminated pyrite cubes, upper contact at 25 deg, lower contact											
		broken.											
298.10	**304.90**	Syenite Porphyry	272421	299.9	300.9	1.0	< 0.01	-			3	tr	
		Pink white green strongly magnetic to magnetic "crowded" syenite porphyry with	272422	300.9	301.9	1.0	< 0.01	-			5	tr	
		80%, 1-3 mm greenish grey and white tabular euhedral and anhedral plagioclase	272423	301.9	302.9	1.0	< 0.01	-			3		
		feldspar phenocrysts in a fine grained chloritic weakly hematitic syenite matrix,	272424	302.9	303.9	1.0	< 0.01	-			2		
		2-5%, 0.103 cm wide, white calcite quartz +- chlorite veining at 20-80 deg,	272425	303.9	304.9	1.0	< 0.01	-			1		
		minor traces of pyrite, sharp chloritic hematitic upper contact at 30 deg.											
304.90	**314.10**	Mafic Syenite	272426	304.9	306.1	1.2	0.03	-			1		
		304.9-308.5	272427	306.1	307.3	1.2	< 0.01	-			1		
		Dark red green to green strongly magnetic over 50 cm at upper contact,	272428	307.3	308.5	1.2	< 0.01	< 0.01			1	tr	
		fine to medium grained hornblende porphyritic mafic syenite with 10%, 0.5 x 2 mm	272429	308.5	309.2	0.7	< 0.01	-			1	1	
		green hornblende phenos in a chloritic weakly hematitic mafic syenite or altered	272430	309.2	310.0	0.8	0.02	-			1	2	
		syenite matrix, very irregular chilled upper contact.	272431	310.0	310.8	0.8	0.02	-			5	2	
		308.5-311.4	272432	310.8	311.4	0.6	< 0.01	-			5	2	
		Dark red and dark green strongly hematitic chloritic and weakly silicified mafic	272433	311.4	312.2	0.8	< 0.01	-			1		
		syenite with 1-5%, 0.5-3 cm wide white to grey quartz veins with calcite vein	272434	312.2	313.2	1.0	< 0.01	-			3		
		contacts at 20-30 and 70 deg, 1-2% anhedral and cube disseminated pyrite,	272435	313.2	314.1	0.9	< 0.01	-			3		
		gradational upper contact, broken lower contact.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		311.4-314.1											
		Green less altered with 3%, 1-10 mm white calcite quartz veining at 30-40 deg,											
		lower contact at 50 deg marked by 5 mm quartz calcite lens at 50 deg.											
314.10	**361.40**	Syenite Porphyry	272436	314.1	315.0	0.9	< 0.01	-			1		
		314.1-318.0	272437	315.0	316.0	1.0	< 0.01	-					
		Pink white green magnetic to nonmagnetic "crowded" syenite porphyry with 80%	272438	316.0	317.0	1.0	< 0.01	< 0.01					
		1-3 mm greenish grey and white tabular euhedral and anhedral plagioclase	272439	317.0	318.0	1.0	< 0.01	-					
		feldspar phenocrysts in a fine grained chloritic weakly hematitic syenite matrix,	272440	318.0	319.0	1.0	0.05	-			10	tr	
		318.0-320.0	272441	319.0	320.0	1.0	< 0.01	-			1	tr	
		Dark red to brick red strongly hematitic altered syenite porphyry with 80%	272442	320.0	321.0	1.0	< 0.01	-			1		
		obliterated porphyritic texture, weakly chloritic foliated at 20-30 deg, 10-1%,											
		0.1-5 cm wide white green quartz calcite chlorite veining at 20-30 deg, trace											
		disseminated pyrite, lower contact at 30 deg marked by 0.5 mm calcite quartz vein.											
		320.0-326.3											
		Dark green grey to red green nonmagnetic crowed syenite porphyry, weakly to											
		moderately chloritic fractured at 20-30 deg, <0.5% calcite quartz veining.											
		326.3-344.4											
		Pink white green magnetic to weakly magnetic "crowded" syenite porphyry with 80%											
		1-3 mm greenish grey and white tabular euhedral and anhedral plagioclase											
		feldspar phenocrysts in a fine grained chloritic weakly hematitic calcitic syenite											
		matrix.											
		344.4-349.9											
		Pink white green nonmagnetic weakly hematitic crowded syenite porphyry											
		with 40%, 10-70 cm wide darker green altered section with partially destroyed											
		porphyritic texture and weakly foliated at 30 deg, calcitic.											
		349.9-375											
		Pink white green magnetic to nonmagnetic "crowded" syenite porphyry with 80%											
		1-3 mm greenish grey and white tabular euhedral and anhedral plagioclase											
		feldspar phenocrysts in a fine grained chloritic weakly hematitic calcitic syenite											
		matrix.											
		360.8-361.4											
		Dark green soft chloritic ultramafic dyke with 3% 1-5 mm white calcite veining											
		at 50-60 deg, sharp upper contact a 30 deg marked by chloritic fault slip,											
		lower contact marked by 8 cm pink calcite vein at 15 to 35 deg.											
		378.3-378.8											
		Green magnetic strongly calcitic fine to medium grained mafic dyke at 70-20 deg.											
361.40	**394.80**	Altered Chloritic Syenite / Mafic Syenite											
		361.4-382.9											
		Dark green to pink grey green medium grained massive calcitic chloritic altered											
		syenite porphyry with vague feldspar porphyritic texture, as alteration increases											
		with depth feldspar become difficult to see with out a hand lens, 1-3%,											
		1-10 mm white pink irregular calcite quartz veining.											
		382.9-394.1											
		Dark green to green grey massive medium grained calcitic chloritic altered syenite											
		or mafic syenite, weakly magnetic, locally anhedral to euhedral feldspars are visible.											
		nonmagnetic to weakly magnetic,											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		394.1-394.8	272443	393.1	394.1	1.0	< 0.01	-			2		
		Chloritic altered contact zone at 45-40 deg, 3% 0.5-1.5 cm wide grey to dark	272444	394.1	394.8	0.7	< 0.01	-			3	tr	
		grey quartz veining at 40 deg over lower 30 cm, trace disseminated pyrite.	272445	394.8	395.1	0.3	0.05	-			1		
394.80	**404.55**	Syenite Porphyry											
		394.8-402.3											
		Dark green and grey magnetic weakly calcitic crowded syenite porphyry with											
		80%, grey to yellow green white anhedral and euhedral feldspar phenocrysts											
		in dark green chloritic syenite matrix, upper contact at 40 deg.											
		402.3-404.55	272446	402.3	403.1	0.8	< 0.01	-			5		
		Nonmagnetic quartz calcite veined altered syenite porphyry leading into red strongly	272447	403.1	403.9	0.8	< 0.01	-			1	tr	
		hematitic weakly silicified altered syenite porphyry with trace pyrite and	272448	403.9	404.6	0.7	< 0.01	0.01			1	tr	
		1% 1-2 mm quartz calcite veining at 30-40 deg, sharp lower contact at 80 deg.	272449	404.6	405.6	1.0	0.03	-					
			272450	Au Std # 16			1.36	-					
			272451	Blank			< 0.01	-					
404.55	**454.90**	Altered Chloritic to Hematitic Syenite											
		404.55-426.5											
		Dark green to green grey massive medium grained calcitic chloritic altered syenite											
		or mafic syenite, locally anhedral to euhedral feldspars are visible, weakly											
		magnetic to strongly magnetic at 415 m.											
		426.5-429.8	272452	426.5	427.2	0.7	< 0.01	-					
		Green and pink potassic albitized altered syenite intruded by three 50 cm 60 cm	272453	427.2	427.9	0.7	< 0.01	-			1		
		and 10 cm wide green to beige weakly sericitic altered mafic to intermediate	272454	427.9	428.9	1.0	< 0.01	-			2		
		dykes at 60-70 deg, dykes are massive to weakly foliated at 30-20 deg,	272455	428.9	429.8	0.9	< 0.01	-			3		
		altered syenite has 1-2%, 1-10 mm wide white to light grey quartz ankerite											
		veining at 20-30 deg, minor traces of pyrite.											
		429.8-436.0											
		Pink to green grey nonmagnetic calcitic massive medium to coarse grained weakly											
		pink potassic hematitic chloritic altered syenite, gradational lower contact.											
		436.0-440.0	272456	436.0	437.0	1.0	< 0.01	-				tr	
		Mottled pink green magnetic calcitic chloritic brecciated hematitic weakly albitized	272457	437.0	438.0	1.0	< 0.01	-			5	tr	
		altered medium to coarse grained syenite, trace to 0.5% pyrite in chloritic breccia	272458	438.0	439.0	1.0	< 0.01	-			1	tr	
		matrix, 1-5 cm light grey quartz veining 437.8-438.2 m.	272459	439.0	440.0	1.0	< 0.01	-					
		440.0-444.0	272460	440.0	441.0	1.0	0.03	0.03					
		Dark red green and grey calcitic to ankeritic hematitic syenite, moderately to	272461	441.0	442.0	1.0	0.03	-					
		strongly foliated at 0-10 deg, RQD 0%.	272462	442.0	443.0	1.0	0.04	-					
		444.0-446.0	272463	443.0	444.0	1.0	0.09	-					
		Pink green white chloritic ankeritic fractured to foliated altered syenite, strong	272464	444.0	445.0	1.0	0.01	-			20	0.5	
		foliation at 0-20 deg, 20%, 0.2-3 cm wide boudinaged pink white grey feldspar	272465	445.0	446.0	1.0	0.06	-			20	0.5	
		quartz vein parallel to foliation along core axis, 0.5% disseminated pyrite along	272466	446.0	447.0	1.0	0.03	-					
		sericitic fractures and sericitic vein contacts, contacts at 15 deg.	272467	447.0	448.0	1.0	0.02	-			1		
		446.0-452.5	272468	448.0	449.0	1.0	< 0.01	-					
		Dark red green hematitic chloritic magnetic hematitic altered syenite, medium	272469	449.0	450.0	1.0	0.08	-					
		to coarse grained and massive.	272470	450.0	451.2	1.2	0.02	0.03			10	tr	
		449.45-449.60	272471	451.2	452.5	1.3	0.04	-					
		Grey green mafic dyke at 80 deg.	272472	452.5	453.4	0.9	0.02	-					
		450.25-450.60	272473	453.4	454.0	0.6	0.15	-					
		Light grey and green quartz chlorite vein at 10-20 deg, trace pyrite.	272474	454.0	454.9	0.9	0.04	-					

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		452.5-454.9											
		Dark red green magnetic weakly calcitic ankeritic hematitic altered syenite,											
		strongly chloritic fractured and foliated at 0-15 deg, RQD 0%											
454.90	**458.20**	Quartz Carbonate Vein Zone	272475	454.9	455.6	0.7	0.02	-			60	2	
		Pink white light grey green grey 75%, 1-20 cm wide irregular fractured boudinaged	272476	Au Std # 16			1.37	-					
		feldspar (albitite) ankerite quartz vein at 0-20 deg in beige green grey sericitic	272477	Blank			< 0.01	-					
		chloritic breccia matrix with 1-2% fine to medium grained disseminated pyrite,	272478	455.6	456.3	0.7	0.03	-			80	2	
		veining weakly sericitic brecciated with 0.5% pyrite.	272479	456.3	457.3	1.0	0.04	-			40	1	
			272480	457.3	458.2	0.9	0.04	0.03			20	0.5	
458.20	**477.90**	Altered Chloritic Hematitic Syenite	272481	458.2	459.0	0.8	0.31	-			2	0.5	
		458.2-459.8	272482	459.0	459.8	0.8	0.02	-				tr	
		Dark red and green nonmagnetic hematitic altered syenite, strongly chloritic	272483	459.8	460.5	0.7	0.02	-			10		
		fractured/ foliated at 0-15 deg. RQD 0%.	272484	460.5	461.6	1.1	0.02	-			10	tr	
		459.8-461.6	272485	461.6	462.3	0.7	0.07	-					
		Dark green strongly chloritic fractured altered carbonated ultramafic,	272486	462.3	463.1	0.8	0.03	-					
		moderately foliated at 0-10 deg white ankerite speckled texture, 1-2%, 0.0-1.5 cm	272487	463.1	464.0	0.9	0.01	-			1		
		wide pink white light grey feldspar ankerite quartz veining parallel to foliation,	272488	464.0	465.0	1.0	0.12	-			3	tr	
		trace pyrite in veining.	272489	465.0	466.0	1.0	0.03	-			2	tr	
		461.6-468.2	272490	466.0	467.0	1.0	0.01	< 0.01			2	tr	
		Dark red pink green weakly magnetic moderately chloritic fractured to brecciated	272491	467.0	468.2	1.2	0.01	-			1		
		hematitic altered medium grained syenite, 1-2%, 1-2 cm wide pink red light grey											
		drag-folded feldspar ankerite quartz veining, trace pyrite, gradational lower											
		contact with chloritic fractures at 70 and 30 deg.											
		463.1-463.5											
		Green intermediate to mafic dyke at 40 deg with 0.5 cm drag-folded quartz vein.											
		468.2-476.9											
		Dark red green nonmagnetic to weakly magnetic medium to coarse grained											
		massive hematitic altered syenite, 1-2% pink calcite +- quartz veining											
		in chloritic fractures.											
477.90	**481.20**	Fault Zone											
		477.9-478.6											
		Dark green chloritic mafic to ultramafic with <1 cm fault gouge at 0-15 deg.											
		478.6-481.2											
		Dark red to brick red and green chloritic brecciated hematitic altered syenite,											
		with 5-20 cm wide chloritic mafic hear zone at 10-25 deg, 1-3% irregular											
		white pink calcite quartz veining, trace pyrite, lower contact at 30 deg.											
481.20	**486.40**	Altered Syenite											
		Dark red to brick red magnetic calcitic massive to weakly chloritic brecciated											
		altered medium grained syenite, trace pyrite in brick red section towards lower											
		contact at 50 deg.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
486.40	**492.60**	Carbonated Ultramafic											
		486.4-489.7											
		Dark green to blue green nonmagnetic massive ultramafic to weakly foliated											
		talcose serpentinized carbonated ultramafic, 1-2%, 1-3 cm grey quartz calcite											
		veining at 15-30 deg, weakly foliated sections at 20-30 deg.											
		489.7-491.1											
		Dark red brick red medium grained magnetic calcitic hematitic altered syenite,											
		broken contacts, trace pyrite.											
		491.1-492.6											
		Blue green to dark green talcose serpentinized carbonated ultramafic intruded											
		by 40 cm wide brown green lamprophyre dyke with irregular contacts.											
492.60	**498.00**	Shear Zone											
		Dark green and white strongly calcitic carbonated ultramafic moderately to strongly											
		sheared at 10-15 deg, 25%, 0.2-3 cm wide calcite veining, chloritic fault gouge											
		at 0-20 deg over lower 1 m, magnetic.											
498.00	**504.70**	Ultramafic											
		Blue green to dark green fine grained strongly magnetic massive ultramafic,											
		1-2%, 1-2 mm white calcite veining at 10-30 deg.											
504.70	**515.30**	Lamprophyre Dyke											
		Brown green weakly magnetic to magnetic medium grained massive biotitic											
		lamprophyre dyke, upper contact at 20 deg, lower contact at 80 deg.											
515.30	**517.25**	Ultramafic											
		Dark green to blue green fine grained nonmagnetic massive ultramafic,											
		1-3% white calcitic veining, intruded by 20-30 cm wide lamprophyre dykes,											
		lower contact at 80 deg.											
517.25	**542.65**	Syenite Porphyry											
		517.25-531.0											
		Red green chloritic hematitic syenite porphyry with weakly developed crowded											
		porphyry texture, 60-75%, 1-2 mm anhedral to tabular light grey white yellow											
		white feldspars fine to medium grained syenite matrix, weakly porphyritic over											
		upper 3 m.											
		531.0-534.6											
		Dark green syenite porphyry with well developed porphyry texture, anhedral											
		white feldspars up to 4 mm in green chloritic syenite matrix.											
		534.6-542.65											
		Red to dark red and green syenite porphyry with patchy feldspar porphyry											
		texture in a hematitic and chloritic syenite matrix, sharp lower contact at 70 deg.											
542.65	**550.55**	Mafic Syenite											
		Dark green and red green massive chloritic to weakly hematitic medium											
		grained mafic syenite intruded by 10-20 cm wide irregular syenite porphyry dykes											
		to 546 m, chloritic shear lower contact over 10 cm at 50 deg.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
550.55	**553.30**	Syenite Porphyry											
		550.55-551.3											
		Syenite porphyry as at 531.0-534.6 m.											
		551.3-552.45											
		Dark green massive coarse grained chloritic pyroxenite.											
		552.45-553.3											
		Brick red strongly hematitic altered crowded syenite porphyry at 70 deg.											
553.30	**554.25**	Diabase Dyke											
		Green grey fine grained strongly magnetic diabase dyke with chilled contacts											
		at 70 and 60 deg, with 0.5 mm hornblende phenos.											
554.25	**576.80**	Pyroxenite											
		Dark green to green weakly to strongly magnetic medium to coarse grained											
		pyroxenite with altered amphiboles and pyroxenes up to 4 mm in a chloritic finer											
		grained amphibole matrix, in stronger altered sections amphiboles are quite											
		prominent but overall the intrusive is coarse grained and equigranular,											
		1-3%, 1-10 mm white calcite veining, sharp lower contact at 40 deg.											
576.80	**586.10**	Altered Feldspar Porphyry											
		576.80-582.85											
		Red brick red and grey green, calcitic variably hematitic altered feldspar porphyry											
		with 20-30%, 1-3 mm light grey and white anhedral and euhedral feldspar											
		phenocrysts in a fine to medium grained chloritic hematitic altered syenite											
		matrix, porphyritic texture varies with hematite alteration, 1-2%, 1-10 mm wide											
		white calcite veining at 30-40 deg, calcitic and chloritic fractured.											
		582.85-586.1											
		Brick red strongly hematite altered syenite with vague feldspar porphyry texture											
		intruded by pyroxenite dykes.											
		582.85-584.70 and 585.5-586.1											
		Dark green magnetic chloritic massive mafic pyroxenite dykes at 30-40 deg.											
586.10	**611.80**	Altered Syenite											
		586.1-595.5											
		Brick red medium to coarse grained strongly hematitic altered syenite, chloritic											
		fractured at 20-50 deg, calcitic fractures and 1-3 mm white calcite veining.											
		595.5-597.0											
		Strongly chloritic fractured zone at 0-30 deg with minor fault gouge along some											
		fractures, RQD 0%.											
		597.0-602.6											
		Brick red to grey green moderately fractured hematitic altered syenite, fractured											
		at 10-30 deg, RQD 50%.											
		602.6-611.8											
		Dark red to red green massive weakly to moderately hematitic chloritic											
		altered medium to coarse grained syenite, 1-3%, 1-10 mm pink white irregular											
		lensey calcite veining at 20-30 deg.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
611.80	614.20	Mafic Intrusive	272492	611.8	613.0	1.2	0.01	-			5		
		Green fine grained calcitic mafic dyke with jagged irregular upper contact,	272493	613.0	614.2	1.2	< 0.01	-			20		
		10%, 0.2-3 cm wide irregular pink white calcite quartz veining at 30 deg.											
		613.23-613.28											
		Chlorite calcite veined fault at 30 deg with fault gouge.											
614.20	620.70	Altered Chloritic Hematitic Syenite	272494	614.2	615.0	0.8	0.01	-			25	0.5	
		Dark red orange red green medium grained chloritic hematitic altered syenite with	272495	615.0	616.0	1.0	0.01	-			3	0.5	
		chloritic calcitic fractures at 0, 10 30 and 50 deg, 1-3%, 0.1-1.5 cm wide pink	272496	616.0	617.0	1.0	0.01	-			3	0.5	
		calcite veining at 20-60 deg, <1%, 1-2 cm wide, light grey fragmented quartz in	272497	617.0	617.8	0.8	0.01	-			3	0.5	
		brighter brick red altered sections, 0.5-1% fine to medium grained disseminated	272498	617.8	618.9	1.1	0.02	-			5	1	
		pyrite cubes.	272499	618.9	619.8	0.9	0.01	-			10	1	
		614.2-614.45	272500	Au Std # 16			< 0.01	< 0.01					
		Milky white quartz veining at 30 deg with chlorite calcite fractures,	272501	Blank			1.38	-					
		1% disseminated pyrite to hematitic wallrocks.	272502	619.8	620.7	0.9	< 0.01	-			2	1	
			Change of Primary Lab to ALS Minerals										
620.70	625.50	Fault Zone	593001	620.7	622.0	1.3	<0.005				5		
		620.7-624.0	593002	622.0	623.0	1.0	<0.005				25		
		Dark green chloritic fault zone, foliated at 0-15 deg, sharp upper contact at 20 deg,	593003	623.0	624.0	1.0	0.005				30		
		chloritic fault gouge at 0-15 deg, fold donuts up to 10 cm wide,	593004	624.0	625.0	1.0	0.014				10		
		5-30%, 1-3 cm wide pink white fragmented boudinaged weakly drag-folded	593005	625.0	625.5	0.5	0.008				25		
		calcite veining parallel to foliation,1%, white to light grey 1-3 cm wide rounded											
		quartz fragments and veins at veins at 20 deg.											
		624.0-625.5											
		Dark green clay fault gouge with crushed chloritic 1-10 mm rock fragments,											
		3-5%, 0.1-2 cm lentoid pink orange white quartz calcite fragments, lower contact											
		marked by 2 cm wide light grey quartz vein at 10-30 deg at contact, yellow white											
		carbonate clots, calcite & ankerite?											
625.50	633.90	Quartz Carbonate Vein Zone	593006	625.5	626.4	0.9	0.015				100	tr	
		625.5-626.4	593007	626.4	627.1	0.7	0.005	0.006			45	tr	
		White light grey glassy "cherty" quartz vein, finely fractured with ankerite sericite	593008	627.1	628.1	1.0	0.012				30	1	
		and chlorite fracture fillings, calcitic over 5 cm at upper contact, trace medium	593009	628.1	629.0	0.9	0.021				20	1	
		grained pyrite in chloritic fractures, some fractures have a dark blue grey haloes	593010	629.0	629.7	0.7	0.022				15	1	
		possibly due to fine grained sulphides moly or galena, 1%, 1-3 mm bright	593011	629.7	630.7	1.0	0.04				25	tr	
		orange red albitite stained quartz or crystals?, contacts at 30 deg.	593012	630.7	631.7	1.0	0.092				10	tr	
		626.4-626.75	593013	631.7	633.0	1.3	0.026				20	tr	60%rec
		Light grey brecciated fractured quartz with 10% dark green chlorite and bright	593014	633.0	633.9	0.9	0.153				20	tr	
		orange red albitite breccia matrix with trace pyrite, quartz fractured with ankerite											
		sericite threads, irregular jagged contacts.											
		626.75-627.15											
		Dark green chloritic altered medium grained syenite with 5%, 0.5-3 cm white											
		milky granular quartz fragments and irregular lenses.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		627.15-629.6											
		Dark red and dark green chloritic hematitic altered fine to medium grained											
		syenite with 1%, fine to medium grained disseminated pyrite, 30%, 1-20 cm wide											
		light grey to dark grey fractured irregular quartz veining at 5-30 deg, ankerite and											
		sericite in quartz fractures, lower contact at 20-0-30 deg marked by chlorite											
		calcite quartz vein.											
		629.6-633.9											
		Dark red and dark green magnetic chloritic hematitic altered fine to medium											
		grained altered syenite with 5-15%, 1-15 cm wide irregular light grey white											
		quartz ankerite veining at 0-5-30 deg and 5-10%, 0.5-3 cm wide pink red calcite											
		quartz veining crosscutting earlier quartz veining at high angles, 1%, 1-3 mm wide											
		white quartz gash veins at right angles to above veining, trace to 1% disseminated											
		pyrite in host rocks, bright orange red albitite altered contacts of quartz veining,											
		sharp lower contact at 30 deg marked by chlorite slip.											
		631.7-633.0											
		Ground and under size core approx 60% recovery, 20% calcite quartz veining,											
		trace pyrite.											
633.90	**664.60**	Syenite	593015	633.9	634.9	1.0	0.024				3		
		Red green grey magnetic fine to medium grained weakly hematitic calcitic	593016	634.9	636.0	1.1	0.008				3		
		altered syenite, moderately chloritic fractured at 20-50 deg, avg 30 deg,	593017	636.0	637.0	1.0	0.067				3		
		3-10%, 0.1-3 cm wide pink white lensey fracture-controlled calcite +- quartz veining	593018	637.0	638.0	1.0	0.005				2		
		at 10-20-40 deg, RQD 20%.	593019	638.0	639.0	1.0	0.014				1		
		640.0-642.4	593020	639.0	640.0	1.0	0.006				1		
		3-10%, 1-3 cm wide light grey quartz with white ankerite rims at 30-40 deg,	593021	640.0	641.2	1.2	0.018				3		
		trace pyrite.	593022	641.2	642.4	1.2	0.03				10	tr	
		644.1-645.0	593023	642.4	643.4	1.0	0.009				1		
		Light grey green strongly calcitic fine grained intermediate to mafic dyke at 40 deg,											
		fractured / jointed at 40 deg.											
664.60	**675.20**	Altered Hematitic Syenite Porphyry	593024	664.6	665.6	1.0	<0.005				1	tr	
		664.6-668.1	593025	Blank			<0.005						
		Red to brick red strongly hematitic altered syenite porphyry with 70-80%,	593026	Au Std # 16			1.36		1.36				
		1-3 mm white grey "crowded" feldspar phenos in hematitic chloritic altered	593027	665.6	666.6	1.0	0.005	<0.005			1	tr	
		syenite matrix, weakly calcitic in upper half, weakly brecciated with 5% chlorite	593028	666.6	667.4	0.8	<0.005				1		
		grey quartz and white ankerite breccia matrix, trace finely disseminated pyrite,	593029	667.4	668.1	0.7	<0.005				2	0.5	
		20 cm ultramafic inclusion at 10-80 deg at 667.1 m, broken upper contact,	593030	668.1	669.0	0.9	<0.005				5		
		sharp lower contact at 15 deg.	593031	669.0	670.2	1.2	0.005					tr	
		668.1-669.0	593032	670.2	672.0	1.8	<0.005				1	tr	60%rec
		Dark green soft talcose fine grained ultramafic to olive green fine grained	593033	672.0	673.0	1.0	0.009				1	tr	
		komatiite with 2% white carbonate veining at 10-15 deg, irregular lower contact	593034	673.0	674.0	1.0	0.005				1	tr	
		at 10-15 deg.	593035	674.0	675.2	1.2	0.005						
		669.0-675.2											
		Red to bright brick red hematitic altered syenite porphyry, moderately chloritic											
		fractured at 0-40 deg, !5, quartz ankerite chlorite veins and lenses.											
		670.2											
		Chloritic fault slip at 20 deg in contact with 5 cm ultramafic inclusion.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		670.2-672.0											
		Badly broken fractured core, 60% recovery using driller's blocks, difficult											
		to measure, measured back from driller's blocks in solid core.											
675.20	**680.90**	Komatiite Ultramafic											
		Grey green and dark green strongly magnetic ankeritic carbonated komatiite											
		to ultramafic, spinifex texture developed over lower 50 cm, 10-15 %, 0.1-1.5 cm											
		white quartz ankerite veining at 25-30 deg, sharp lower contact at 30 deg.											
680.90	**696.10**	Mafic Syenite											
		Dark red green grey strongly calcitic fine to medium grained massive mafic											
		syenite with 0.5-1 mm dark green hornblende phenos, 5-120 cm wide quartz										tr	
		veined pyritic hematitic altered zones.											
		683.3-684.5, 685.50-685.55 and 687.8-689.0	593036	682.4	683.3	0.9	<0.005						
		Bright brick red hard strongly hematitic silicified possibly albitized altered zones	593037	683.3	684.5	1.2	<0.005				10	1	
		at 30-80 deg, weakly chloritic brecciated, 1-10%, 0.1-1 cm light grey quartz and	593038	684.5	685.6	1.1	<0.005				5	tr	
		quartz ankerite veins lenses and clots, 0.5-1% finely disseminated pyrite.	593039	685.6	686.8	1.2	<0.005						
		693.7-694.2	593040	686.8	687.8	1.0	<0.005						
		Green soft carbonated komatiite inclusion, upper contact at 60 deg, irregular	593041	687.8	689.0	1.2	0.006				1	tr	
		lower contact.	593042	689.0	690.1	1.1	<0.005				1		
696.10	**706.80**	Altered Hematitic Syenite	593043	696.1	697.0	0.9	<0.005				3	tr	
		696.1-702.9	593044	697.0	698.0	1.0	<0.005				8	tr	
		Red green and bright brick red strongly hematitic possibly albitized silicified	593045	698.0	699.0	1.0	0.156				5	tr	
		altered medium grained syenite, alteration in 10 cm bands and pervasive	593046	699.0	700.0	1.0	0.006				1		
		over 60 cm, brecciated with 2-15%, white light grey and minor dark grey quartz	593047	700.0	700.8	0.8	0.051	0.064			2	tr	
		breccia matrix, also later grey white 0.1-1.5 cm boudinaged quartz ankerite	593048	700.8	701.8	1.0	0.008				20	0.5	
		chlorite veins and fracture-fillings at low angles 0-30 deg with trace pyrite,	593049	701.8	702.9	1.1	<0.005				5	tr	
		trace to 1% finely disseminated pyrite in stronger altered sections,	593050	Blank			<0.005						
		gradational lower contact defined by decreasing alteration and quartz veining,	593051	Au Std # 16			1.33		1.45				
		irregular upper contact marked by 10 cm wide strongly altered band, approx	593052	702.9	703.9	1.0	<0.005				1		
		80% of section is strongly altered and quartz veined.	593053	703.9	705.0	1.1	0.006				3	tr	
		702.9-706.8	593054	705.0	705.9	0.9	<0.005				1		
		Red green weakly to moderately hematitic altered medium grained altered syenite	593055	705.9	706.8	0.9	0.013				10	tr	
		with 1-10%, 0.2-3 cm white light grey irregular quartz ankerite rimmed ankerite	593056	706.8	707.8	1.0	<0.005				1		
		veining at 5-50 deg, trace disseminated pyrite in altered wallrocks, section defined											
		by last quartz ankerite vein, weakly calcitic fractured.											

DESCRIPTION : Hole No. MC12_2													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
706.80	**743.55**	Mafic Syenite / Syenite											
		Red grey green medium grained mafic syenite or chloritic altered syenite with											
		10-15% chloritic amphibole matrix, nonmagnetic to weakly magnetic, massive											
		to moderately chloritic calcitic fractured at 20-50 deg, RQD 20-85%.											
		718.25-718.55											
		Green calcitic mafic dyke at 60 deg or basalt xenolith.											
		729.2-729.32	593057	729.0	729.7	0.7	0.008				12	tr	
		White quartz calcite vein at 70-40 deg with chlorite filled fractures, trace pyrite in	593058	729.7	730.7	1.0	0.012				1	tr	
		hematitic altered wallrocks.	593059	730.7	731.7	1.0	0.012				1	tr	
		732.9-733.0	593060	731.7	732.7	1.0	0.014						
		White chloritic fractured quartz vein at 40-50 deg with trace pyrite in	593061	732.7	733.7	1.0	0.008				10	tr	
		hematitic altered wallrocks.											
	743.55	EOH											
		No final driller's block, Daily report 744 m, possibly 0.45 m in one missing box?											
		Casing left in hole.											

PROPERTY: Murdoch Creek- Teck A and AK			HOLE NUMBER: MC12_3						
Province:	Ontario	**DATE LOGGED:**	**Grid E**	93+00	**Method**	**Depth**	**Az corr.**	**Dip**	**Mag**
Township	Teck	**LOGGED BY:** Wayne Benham	**Grid N**	85+45		0	161	-55.0	
Started:	11-Jul-12	**DRILLED BY:** Cabo Drilling Ontario Corp.	**UTM E:**	571877	REFLEX	15	156.1	-53.9	55880
Completed:	17-Sep-12	**UNITS:** Metres	**UTM N:**	5330120		75	157.6	-53.9	55330
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	280		135	159.4	-53.5	55060
	Drilled July 11-Aug 7, 2012 to 797.7 m and extended Sept 5-Sept 17, 2012		**Length:**	1,030.4		195	159.4	-53.0	54990
						255	160.5	-52.6	54700
PURPOSE:	To test IP and magnetic anomalies along South Break.					315	160.9	-52.7	55290
						375	163.1	-53.0	54390
COMMENTS:	Sample Numbers 593062-593354 inclusive and 593495-593608 inclusive, 373 sawn 1/2 core samples					435	165.9	-52.8	53480
	17 Blank samples and 17 Au Standards #16 samples (SH 55 1.375 g/t Au).					495	161.0	-52.9	54400
						555	163.1	-52.7	54370
						615	164.4	-51.9	54610
						675	165.6	-51.8	54810
						735	166.1	-51.3	54960
						798	166.2	-50.7	54810
						861	166.8	-49.7	54920
						921	165.2	-47.9	54940
						981	167.0	-47.2	55010

SUMMARY LOG: MC12_3			ASSAY SUMMARY					
From	**To**	**Lithology**	**From**	**To**	**Meters**	**Au g/t**		**Zone**
0.00	**5.80**	OVB						
5.80	**10.20**	Basalt						
10.20	**24.20**	Syenite						
24.20	**30.40**	Syenite Porphyry						
30.40	**34.30**	Syenite						
34.30	**54.50**	Syenite Porphyry						
54.50	**63.60**	Pyroxenite						
63.60	**69.50**	Syenite Porphyry						
69.50	**84.00**	Pyroxenite						
84.00	**87.60**	Syenite Porphyry						
87.60	**91.50**	Pyroxenite						
91.50	**94.50**	Syenite Porphyry						
94.50	**104.40**	Komatiite						
104.40	**115.15**	Altered Syenite Porphyry						
115.15	**125.80**	Quartz Carbonate Vein Zone Komatiite Feldspar Porphyry						
125.80	**144.20**	Feldspar Porphyry						
144.20	**165.90**	Mafic Syenite						

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
0.00	**5.80**	OVB											
		Casing to 6 m.											
5.80	**10.20**	Basalt											
		Green grey calcitic fine grained basalt weakly foliated at 40-70 deg, 15-20%,											
		0.1-1.5 cm wide white milky quartz calcite veining parallel to foliation, lower contact											
		irregular over 20 cm with sharp contact at 70 deg at 10.2 m.											
		6.98-7.00											
		Chloritic fault at 70 deg.											
10.20	**24.20**	Syenite											
		Red green grey medium grained calcitic weakly hematitic altered syenite, fractured											
		at 30-55-70 deg, trace feldspar phenocrysts, RQD 35%.											
24.20	**30.40**	Syenite Porphyry											
		Green white pink grey calcitic syenite porphyry with 75-85%, 1-3 mm white											
		pink anhedral and euhedral feldspar phenocrysts in green chloritic syenite matrix,											
		gradational upper contact, sharp contact at 80 deg.											
30.40	**34.30**	Syenite											
		Pink red grey green calcitic medium to coarse grained syenite, nonmagnetic.											
		30.2-30.55, 33.5-33.85 and 34.15-34.30											
		Dark green carbonate veined ultramafic foliated sections at 70-80 deg.											
34.30	**54.50**	Syenite Porphyry											
		34.3-45.0											
		Red green to grey green calcitic magnetic to weakly magnetic medium to											
		coarse grained syenite, weakly hematitic in upper half, weakly feldspar porphyritic											
		to 42 m and then increasing towards gradational lower contact.											
		45.0-54.5											
		Dark grey green pink and white calcitic, magnetic to weakly magnetic syenite											
		porphyry with 75-85%, 1-3 mm white pink grey zoned tabular and anhedral											
		feldspar phenocrysts in fine grained mafic to syenite matrix.											
54.50	**63.60**	Pyroxenite											
		Blue green to olive green massive strongly calcitic strongly magnetic pyroxenite,											
		sharp upper contact at 60 deg, irregular jagged interfingered lower contact											
		over 50 cm.											
63.60	**69.50**	Syenite Porphyry											
		Dark grey green pink and white calcitic, magnetic to weakly magnetic syenite											
		porphyry with 75-85%, 1-3 mm white pink grey zoned tabular and anhedral											
		feldspar phenocrysts in fine grained mafic to syenite matrix, 10-20 cm wide											
		irregular green massive pyroxenite dykes over lower 2 m.											
69.50	**84.00**	Pyroxenite											
		Dark blue green to olive green calcitic weakly magnetic massive pyroxenite											
		with chloritic altered pyroxenes in blue green fine to medium grained mafic to											
		ultramafic matrix, contacts at 80 deg.											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		74.4-74.85											
		30%, 2-5 cm pink white irregular barren calcite quartz veining at 30-40 deg.											
84.00	**87.60**	Syenite Porphyry											
		Dark grey green pink and white calcitic, magnetic to weakly magnetic syenite											
		porphyry with 75-85%, 1-3 mm white pink grey zoned tabular and anhedral											
		feldspar phenocrysts in fine grained mafic to syenite matrix, lower contact											
		at 80 deg.											
87.60	**91.50**	Pyroxenite											
		Dark green to blue green pyroxenite, weakly foliated at 30 deg over upper 1 m,											
		lower contact at 80 deg.											
91.50	**94.50**	Syenite Porphyry											
		Red grey calcitic weakly hematitic altered syenite porphyry with 75%, 1-2 mm											
		white feldspar phenocrysts, sharp lower contact at 45 deg.											
94.50	**104.40**	Komatiite											
		Blue green to grey green fine to medium grained calcitic komatiite, massive to											
		weakly foliated at 60 deg.											
104.40	**115.15**	Altered Syenite Porphyry	593062	104.6	105.6	1.0	0.014				3	tr	
		104.4-107.6	593063	105.6	106.7	1.1	<0.005					tr	
		Maroon red hematitic altered syenite porphyry with trace disseminated pyrite,	593064	106.7	107.6	0.9	0.006				1	tr	
		upper contact at 80 deg, irregular lower contact.											
		107.6-115.15											
		Dark green grey chloritic calcitic altered syenite porphyry with 5-30 cm wide											
		green grey to black ultramafic and komatiite xenoliths, lower contact at 40 deg.											
		1-2%, 0.1-2.5 cm pink white irregular quartz calcite veining.											
115.15	**125.80**	Quartz Carbonate Vein Zone Komatiite Feldspar Porphyry	593065	115.2	116.1	0.9	0.007				10	tr	
		Grey green to olive green fine grained komattite, massive to weakly foliated	593066	116.1	116.9	0.8	0.01				3	0.5	
		at 30 50 and 80 deg,, 10%, 1-45 cm white light grey red quartz ankerite calcite	593067	116.9	117.6	0.7	0.005						
		feldspar veining at 30-80 deg, trace to 1% disseminated pyrite in altered weakly	593068	117.6	118.6	1.0	0.006				1		
		sericitic chloritic wallrocks.	593069	118.6	119.4	0.8	0.012				50	1	
		116.25-116.5	593070	119.4	120.5	1.1	0.007				10	tr	
		Black chloritic altered zone with 1-5 mm wide black chloritic fault slips at 80 deg,	593071	120.5	121.4	0.9	<0.005				1	tr	
		3 cm wide boudinaged drag-folded white pink quartz calcite vein with trace	593072	121.4	122.4	1.0	<0.005					tr	
		pyrite in middle of section.	593073	122.4	122.9	0.5	0.006				40	tr	
		118.9-119.35	593074	122.9	123.7	0.8	<0.005				2	tr	
		White light grey fractured quartz and salmon red feldspar vein at 50-30 deg,	593075	Blank			0.005						
		1% disseminated pyrite in chloritic fractured feldspar veining.	593076	Au Std # 16			1.45		1.44				
		121.14-121.40	593077	123.7	124.2	0.5	0.007				20	tr	
		35 cm ground core.	593078	124.2	125.0	0.8	0.007				30	tr	
		122..72-122.90	593079	125.00	125.80	0.8	<0.005				15	tr	
		Milky white quartz ankerite vein at 80 deg with trace pyrite in chloritic fracture.											
		122.9-125.8											
		Dark green weakly feldspar porphyry with 15%, 5-10 cm wide white to light grey											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		quartz calcite veining at 30-70 deg avg 50 deg with trace pyrite along chloritic											
		fractures.											
125.80	**144.20**	Feldspar Porphyry											
		Dark green grey calcitic feldspar porphyry with patchy zones of 50%, 1-3 mm											
		white tabular to anhedral feldspar phenos in a fine grained chloritic mafic syenite											
		matrix, narrow quartz vein zone 50-80 cm wide in more chloritic altered sections											
		with weak feldspar porphyritic textures.											
		133.3-133.8, 135.0-135.8, 140.3-141.1	593080	133.3	133.8	0.5	0.01				30	1	
		Quartz vein zones with 20-25%, 5-10 cm wide quartz +- calcite veins at 50 deg,	593081	133.8	135.0	1.2	0.007				1		
		1% disseminated pyrite over 10-20 cm in altered wallrocks, trace pyrite in veins.	593082	135.0	135.8	0.8	0.024				15	1	
		142.8-143.15											
		Dark green and salmon red chloritic hematitic / potassic altered fault breccia	593083	140.3	141.1	0.8	0.006				15	1	
		at 20-40 deg, trace pyrite, 1% pyrite in chloritic wallrocks.	593084	141.1	142.3	1.2	<0.005				1	tr	
			593085	142.3	143.2	0.9	0.013				5	1	
			593086	143.2	144.2	1.0	<0.005	0.008			3	1	
144.20	**165.90**	Mafic Syenite											
		144.2-149.0											
		Dark grey green calcitic massive chloritic altered fine to medium grained syenite											
		to mafic syenite, 1-3%, 0.1-3 cm wide white grey quartz calcite veining at 50-80 deg											
		trace disseminated pyrite.											
		149.0-165.9											
		Dark green medium to coarse grained massive calcitic chloritic altered mafic											
		syenite, darker green and more chloritic with depth, strongly magnetic over											
		upper 3 m and then nonmagnetic, 1-2%, 0.1-4 cm wide white to light grey											
		irregular quartz calcite veining, intruded by 10-60 cm wide feldspar porphyry											
		dykes at 30-80 deg.											
		154.54-154.58	593087	154.3	155.4	1.1	<0.005				10		
		Light grey quartz vein at 75 deg with chloritic pyritic fractures parallel to vein											
		contacts.											
			593088	165.0	165.9	0.9	<0.005				1		
165.90	**169.90**	Quartz Carbonate Vein Zone Mafic Syenite	593089	165.9	166.7	0.8	0.005				30	tr	
		Dark green chloritic fine to medium grained altered mafic syenite with 30%,	593090	166.7	167.8	1.1	<0.005				10	tr	
		1-20 cm wide irregular weakly drag-folded boudinaged fractured white to light	593091	167.8	168.5	0.7	0.01				15	tr	
		grey quartz veining with 5% ankerite growths and calcitic sericitic filled fractures,	593092	168.5	169.2	0.7	0.009				45	tr	
		salmon pink stained "feldspar" and veining at 20-70 deg 40 deg avg,	593093	169.2	169.9	0.7	<0.005				10	tr	
		trace disseminated pyrite in chloritic fractures in veins and chloritic altered	593094	169.9	171.1	1.2	<0.005				3	tr	
		wallrocks.											
169.90	**213.60**	Mafic Syenite	593095	175.8	176.4	0.6	<0.005				3	tr	
		Dark green calcitic chloritic altered medium grained mafic syenite intruded by											
		10-90 cm wide feldspar porphyry dykes, chloritic fractured at 0-90 deg,											
		1-3%, 0.1-1.5 cm white to light grey quartz veining at 20-80 deg, locally weakly											
		to strongly magnetic.											
		201.3-205.1											
		Dark grey green calcitic syenite porphyry dyke with 75-80%, 1-3 mm tabular											
		to anhedral white feldspar phenos in chloritic mafic syenite matrix, contacts											
		at 40 deg marked by chloritic slips											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		203.5-204.7	593096	203.5	204.7	1.2	<0.005				20	tr	
		20%, 1-15 cm wide milky white to light grey quartz veining at 30-40 deg with trace											
		pyrite in chloritic fractures and chloritic altered wallrocks.											
169.90	**276.10**	Mafic Syenite											
		213.6-240.7											
		Dark green grey calcitic syenite porphyry with 50-80% crowded 1-3 mm white											
		yellow white pink and grey tabular to anhedral feldspar phenocrysts in fine											
		grained green grey chloritic mafic syenite matrix, 1%, 1-3 cm, pink white quartz											
		calcite veining at 20-40 deg, dark olive green 2-4 cm subangular mafic to											
		ultramafic volcanic inclusions.											
		236.25-236.40 and 237.3-237.5											
		Dark brown green calcitic strongly magnetic biotitic lamprophyre dykes at 40 deg											
		with quartz calcite veining.											
		240.7-252.9											
		A mix of dark green grey medium grained massive mafic syenite locally with											
		patchy 10-30 cm wide feldspar porphyry sections with gradational poorly											
		defined contacts.											
		252.9-259.0											
		Dark green grey feldspar porphyry with 50-60%, 1-5 mm white anhedral feldspar											
		phenos in medium grained chloritic syenite matrix, 2%, 0.1-10 cm wide	593097	260.3	260.8	0.5	0.005				5	0.5	
		milky white and pink quartz calcite veining.											
		259.0-266.6	593098	263.0	264.0	1.0	0.005				10		
		Feldspar porphyry with 5-25%, 2-50 cm wide pink salmon irregular hematite	593099	264.0	264.8	0.8	<0.005				8		
		altered veins/bands with 10%, quartz ankerite calcite veining.	593100	Blank			<0.005						
		260.3-260.7	593101	Au Std # 16			1.39		1.51				
		Green dark red chloritic hematitic weak shear zone at 60 deg with 0.5% finely											
		disseminated pyrite.											
		266.6-276.05											
		Feldspar porphyry with red hematite stained syenite matrix with 1-10%,											
		0.1-10 cm wide white to milky white quartz calcite veining at 40-80 deg, two											
		phases an earlier quartz dominant veining an a later calcite dominant phase.											
		269.4-271.0	593102	269.4	270.2	0.8	<0.005				3		
		Stronger hematite alteration which hides porphyritic texture, 10% quartz calcite	593103	270.2	271.0	0.8	<0.005				10		
		veining, trace pyrite.	593104	271.0	271.7	0.7	0.005				2		
		271.0-276.05	593105	271.7	272.7	1.0	<0.005				3		
		Dark green red grey weakly hematitic altered feldspar porphyry.											
		276.05-276.10											
		Chloritic talcose ultramafic fault at 60 deg.											
276.10	**281.80**	Quartz Carbonate Vein Zone Syenite Porphyry	593106	276.1	277.1	1.0	0.008				20	tr	
		Dark salmon red hematite altered syenite porphyry with 15-20% white milky white	593107	277.1	278.3	1.2	0.007				15		
		and pink quartz calcite veining at 15-80 deg, trace pyrite, locally brecciated with	593108	278.3	279.5	1.2	0.006				15		
		dark green ultramafic breccia matrix.	593109	279.5	280.5	1.0	0.006				10		
		280.5-281.5	593110	280.5	281.5	1.0	<0.005						30%rec
		Dark blue green talcose carbonated ultramafic, sharp upper contact at 30 deg,	593111	281.5	282.0	0.5	0.005				5		
		ground lower contact with 70 cm ground core.											
		281.5-281.8											
		Hematitic altered quartz calcite veined feldspar porphyry as above.											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		sharp lower contact at 40 deg.											
281.80	**285.00**	Carbonated Ultramafic	593112	282.0	283.0	1.0	0.006				25		
		Grey green talcose carbonated ultramafic with 20-30%, 1-10 mm quartz carbonate	593113	283.0	284.0	1.0	<0.005				30		
		veining parallel to moderate to strong foliation at 0-40 deg, 15 cm hematitic	593114	284.0	285.0	1.0	<0.005				25		
		altered feldspar porphyry inclusion with no veining above 282.0, talcose fault											
		at 30 deg at 282.0 m.											
		284.3											
		fault gouge at 20 deg cutting across foliation and veining.											
285.00	**301.40**	Altered Hematitic Syenite Porphyry	593115	285.0	286.2	1.2	<0.005				2		
		285.0-291.0	593116	286.2	287.2	1.0	<0.005				5		
		Dark red to dark green hematitic grading to chloritic altered syenite porphyry	593117	287.2	288.2	1.0	<0.005				10		
		with suppressed porphyritic texture, <1% quartz calcite veining trace pyrite.	593118	288.2	289.0	0.8	<0.005				1	tr	
		286.15-287.1, 287.7-288.1	593119	289.0	290.0	1.0	<0.005				2	tr	
		Carbonated ultramafic sections with irregular contacts.	593120	290.0	291.0	1.0	<0.005				1	tr	
		291.0-297.5											
		Dark green grey feldspar porphyry with 2%, 1-10 cm wide pink to salmon red											
		hematite altered irregular veins / bands with trace pyrite.											
		297.5-301.4	593121	297.5	298.5	1.0	<0.005				3		
		Dark green grey feldspar porphyry with 20%, 1-60 cm wide pink to salmon red	593122	298.5	299.6	1.1	<0.005				3		
		hematite altered irregular veins / bands with 2%, 1-10 mm wide veins at 10-30 deg	593123	299.6	300.5	0.9	<0.005				5		
		trace pyrite in altered sections.	593124	300.5	301.4	0.9	<0.005	<0.005			15		
			593125	Blank			<0.005						
			593126	Au Std # 16			1.365		1.43				
301.40	**324.00**	Carbonated Ultramafic Komatiite											
		Dark green to blue green fine grained massive calcitic komatiite and 5-10%											
		carbonated ultramafics intruded by altered hematitic syenite porphyry dykes,											
		5-10% wispy irregular white ankerite quartz calcite veining, carbonated ultramafics											
		foliated and talcose faults at 30-40 deg.											
		306.2-307.3, 314.4-315.0, 315.45-315.9, 316.35-316.5, 316.7-317.15	593127	306.2	307.3	1.1	<0.005				10		
		and 318.4-318.8											
		Light maroon red hematitic ankeritic altered syenite porphyry with trace pyrite	593128	314.4	315.4	1.0	<0.005				2	tr	
			593129	315.4	316.3	0.9	<0.005				10		
			593130	316.3	317.2	0.9	<0.005				15		
			593131	317.2	318.4	1.2	<0.005				25		
			593132	318.4	319.2	0.8	0.005				10		
324.00	**328.40**	Altered Hematitic Syenite Porphyry	593133	324.0	325.1	1.1	0.006				1	tr	
		Dark red to brick red strongly hematitic altered syenite porphyry with ghosts	593134	325.1	326.2	1.1	<0.005				1	tr	
		of feldspar phenos obscured by alteration, weakly silicified trace disseminated	593135	326.2	327.3	1.1	<0.005				2	tr	
		pyrite, sharp upper contact at 50 deg, sharp lower contact at 40 deg.	593136	327.3	328.4	1.1	0.005				2	tr	

DESCRIPTION : Hole No. MC12_3														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)		
328.40	**339.00**	Carbonated Ultramafic Komatiite												
		Dark green to blue green fine grained massive calcitic komatiite and 5-10%												
		carbonated ultramafics 5-10% wispy irregular white ankerite quartz calcite												
		veining, carbonated ultramafics foliated and talcose faults at 30-40 deg.												
		lower contact ground, strongly magnetic.												
339.00	**405.45**	Komatiite Ultramafic												
		339.0-339.8												
		Dark brown green medium grained massive lamprophyre dyke, sharp lower												
		contact at 25 deg.												
		339.8-373.5												
		Green grey ankeritic strongly magnetic massive komatiite ultramafic with												
		spinifex textures e.g. 350.5-353.5 m., 1-2 mm calcite veinlets.												
		373.5-398.6												
		Dark green to black green fine to medium grained massive ankeritic komatiite												
		ultramafic, 1-2%, calcite veining.												
		398.6-403.6												
		Olive green fine to medium grained massive nonmagnetic ultramafic dyke												
		weakly feldspar porphyritic and magnetic over lower 30 cm, sharp upper												
		contact at 20 deg, lower contact at 60 deg.												
		403.6-405.45												
		Blue green grey fine grained massive komatiite ultramafic.												
405.45	**411.40**	Feldspar Porphyry	593137	405.4	406.4	1.0	<0.005				1	tr		
		Grey to brown grey magnetic feldspar porphyry with 5%, 1-3 mm white anhedral	593138	406.4	407.4	1.0	<0.005				1	tr		
		feldspar phenos in a grey fine to medium grained felsic matrix, sharp upper	593139	407.4	408.0	0.6	0.005					tr	60%rec	
		contact at 35 deg, lower contact at 60 deg, <1%, 1-10 mm wide white calcite	593140	408.0	409.1	1.1	<0.005					0.5		
		quartz veining at 20-60 deg trace to 0.5% disseminated pyrite.	593141	409.1	410.3	1.2	<0.005					tr		
			593142	410.3	411.4	1.1	0.006				2	tr		
411.40	**421.80**	Komatiite												
		Green to dark olive green massive ankeritic komattite.												
		415.7-417.0												
		Brown green medium grained massive biotitic calcitic lamprophyre dyke, upper												
		contact at 30 deg, lower contact at 20 deg.												
421.80	**458.00**	Altered Feldspar Porphyry	593143	421.8	422.6	0.8	<0.005				1	tr		
		421.8-423.4	593144	422.6	423.4	0.8	0.006	0.019			1	tr		
		Grey to red grey weakly hematitic altered feldspar porphyry 3-5%, 1-2 mm white	593145	423.4	424.5	1.1	<0.005							
		feldspar phenos in a red grey weakly hematitic altered syenite matrix, trace	593146	424.5	425.7	1.2	<0.005							
		finely disseminated pyrite, <1%, 1-5 mm white calcite +- quartz veining, upper	593147	425.7	426.7	1.0	0.007				3	tr		
		contact marked by 20 cm wide chloritic fault breccia at 30 deg, irregular lower	593148	426.7	427.7	1.0	<0.005				5	0.5		
		contact at 20 deg.	593149	427.7	428.7	1.0	<0.005				2	tr		
		423.4-425.7	593150	Blank			<0.005							
		Grey green fine grained komatiite ultramafic fractured at 20-60 deg.	593151	Au Std # 16			NSS							
		425.7-428.7	593152	428.7	429.6	0.9	<0.005							
		Red pink grey magnetic hematitic altered feldspar porphyry with two phases of	593153	429.6	430.5	0.9	0.008				1	tr		
		white to grey quartz calcite and later calcite quartz veining at 30 and 150 deg,	593154	430.5	431.4	0.9	<0.005				1	tr		
		trace finely disseminated pyrite, upper contact at 40 deg, lower contact at 30 deg.	593155	431.4	432.3	0.9	<0.005				1	tr		
		428.7-429.6	593156	432.3	433.2	0.9	<0.005					tr		

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Grey green fine grained komatiite ultramafic fractured at 20-60 deg.	593157	433.2	434.0	0.8	<0.005				1	tr	
		429.6-434.0	593158	434.0	435.0	1.0	<0.005						
		Pink grey magnetic weakly hematitic altered feldspar porphyry as above with <1%											
		pink white calcite veining, trace finely disseminated pyrite, irregular upper contact,											
		gradational lower contact.											
		434.0-442.2											
		Grey magnetic feldspar porphyry with 5%, 1-2 mm white anhedral feldspar phenos											
		in grey fine grained felsic matrix.											
		442.2-444.0											
		Green grey fine grained magnetic komatiite ultramafic, fractured at 20-50 deg,											
		upper contact at 30 deg, lower contact at 50 deg.											
		443.8-444.0											
		Strongly fractured zone with upper contact marked by 3 mm chlorite talc fault gouge.											
		444.0-448.0	593159	444.0	445.0	1.0	<0.005						
		Red dark grey magnetic weakly hematitic altered feldspar porphyry with 5-10%,	593160	445.0	446.0	1.0	<0.005				2	tr	
		1-2 mm white anhedral feldspar phenos in fine to medium grained hematitic altered	593161	446.0	447.0	1.0	<0.005					tr	
		syenite matrix, moderately chloritic fractured at 40, 70 and 90 deg,	593162	447.0	448.0	1.0	<0.005					tr	
		<1% 1-10 mm white calcite +- quartz veining at all angles, trace to 0.5%	593163	448.0	449.0	1.0	<0.005	<0.005				0.5	
		fine grained disseminated pyrite cubes.	593164	449.0	450.0	1.0	<0.005				3	tr	
		448.0-455.7	593165	450.0	451.0	1.0	<0.005				3	0.5	
		Dark red to brick red magnetic to weakly magnetic moderately to strongly	593166	451.0	452.0	1.0	<0.005				3	0.5	
		altered feldspar porphyry with subdued feldspar porphyry texture due to alteration,	593167	452.0	453.0	1.0	<0.005				2	0.5	
		weakly brecciated with blue grey green to green chlorite tremolite breccia matrix	593168	453.0	454.0	1.0	<0.005				1	0.5	
		with calcite quartz blebs and lenses, <1% white grey wispy quartz calcite veining,	593169	454.0	455.0	1.0	<0.005				3	1	
		chloritic fractured at 30-60-90 deg, trace to 1% finely disseminated pyrite, upper	593170	455.0	455.7	0.7	<0.005				3	1	
		contact marked by chloritic fracture at 40 deg, sharp lower contact at 40 deg.	593171	455.7	457.0	1.3	<0.005						
		455.7-457.0	593172	457.0	458.0	1.0	<0.005				3	1	
		Blue green grey fine grained strongly magnetic komatiite ultramafic, massive	593173	458.0	459.0	1.0	<0.005						
		to fractured at 40 deg, sharp lower contact at 30 deg.											
		457.0-458.0											
		Red grey magnetic weakly chloritic fractured hematite altered feldspar porphyry,											
		3% 0.1-2 cm white calcite veining at 30-40 deg, 1% finely disseminated pyrite,											
		sharp lower contact at 50 deg.											
458.00	**499.60**	Komatiite Ultramafic											
		458.0-474.0											
		Green grey to blue green strongly magnetic strongly ankeritic komatiite ultramafic											
		talcose fractures at 20-70 deg, minor calcite veining and breccia fillings to 462m											
		and then no veining.											
		474.0-499.6											
		More green more massive and slightly coarser grained komatiite, weakly fractured											
		at 20-70 deg.											
499.60	**503.20**	Fault Zone											
		Dark green fine grained strongly magnetic komatiite with ten 0.5-3 cm wide talcose											
		faults and fault breccia with gouge at 50-70 deg over upper 50 cm and lower											
		, RQD 0-90%.											
503.20	**529.90**	Komatiite Ultramafic											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Dark grey green strongly magnetic ankeritic fine grained komatiite ultramafic											
		moderately fractured at 40-70 deg, RQD 30%, 1-15%, 0.1-3 cm white calcite											
		veining at 40-70 deg,											
		512.9-513.0											
		Grey fine to medium grained massive felsic dyke with 1%, 1-2 mm disseminated											
		brown black biotite, contacts at 60 and 20 deg.											
		520.6-521.1											
		Fault zone at 80 deg with 35% calcite veining trace pyrite.											
529.90	**533.80**	Fault Zone	593174	529.9	531.0	1.1	<0.005				10		
		529.9-532.15	593175	Blank			<0.005						
		Light white grey magnetic strongly talcose altered ultramafic with 1-50 cm muddy	593176	Au Std # 16			1.325		1.35				
		faults and fault breccia zones with gouge at 30 to 60 deg, 3%, 1-2 cm pink white	593177	531.0	531.8	0.8	<0.005				5		
		quartz calcite ankerite and minor fuschite breccia matrix, trace pyrite in fractures.	593178	531.8	532.8	1.0	<0.005				15	0.5	cpy
		532.15-532.20	593179	532.8	533.8	1.0	<0.005				10		faz
		White light grey crystalline quartz vein at 60 deg with 10% 2-5 mm wide											
		pyrite stringers at lower contact.											
		532.2-533.7											
		Light grey talcose chloritic fault brecciated to weakly foliated at 40-60 deg,											
		30-40 % 1-10 mm ankerite veining, 5-10 cm wide light brown green while finely											
		foliated carbonate zones at 60 deg with trace pyrite.											
		533.7-533.8											
		Grey clay sandy fault gouge at 80 deg.											
			593180	533.8	534.7	0.9	<0.005				30	tr	
533.80	**538.30**	Quartz Carbonate Vein Zone Green Carbonate Felsic Dykes	593181	534.7	535.4	0.7	<0.005				20	tr	
		20% dark black green ultramafic, 15% pale apple green fuschite altered ultramafic	593182	535.4	536.0	0.6	<0.005				5	tr	
		30%, 2-40 cm wide yellow beige sericitic ankeritic altered felsic dykes at 30-40 deg	593183	536.0	536.7	0.7	<0.005				40		
		with emerald fuschite altered mafic specks, 35% 1-20 cm wide white light grey and	593184	536.7	537.4	0.7	<0.005				60		
		pink red quartz veining at 30-40 deg with ankeritic fractures, foliated fault	593185	537.4	538.3	0.9	0.005				30	tr	
		bounded upper contact at 80-90 deg, sharp wavy lower contact at 30 deg,											
		minor traces of pyrite in chloritic green carbonate fractures in quartz veining											
		and along contacts.											
		534.30-534.35											
		Sericitic fault breccia at 60 deg.											
538.30	**540.65**	Ultramafic	593186	538.3	539.2	0.9	0.005				2		
		Dark black green drag folded ultramafic intruded by 30 cm wide irregular green	593187	539.2	540.0	0.8	<0.005				10		
		red brown syenite dyke, 5%, 1-3 m wide pink white fragmented boudinaged	593188	540.0	540.7	0.7	<0.005				5		
		quartz ankerite veining parallel to weak foliation at 40 deg, sharp lower contact											
		at 45 deg.											
540.65	**546.90**	Syenite	593189	540.7	541.8	1.1	<0.005				2	tr	
		Dark red hematitic medium grained altered syenite, weakly chloritic brecciated	593190	541.8	543.0	1.2	<0.005				2	tr	
		and fractured at 5-60 deg, 1-2%, 1-3 mm white quartz veining at 20-30 deg	593191	543.0	544.0	1.0	<0.005				3	tr	
		and in chloritic breccia matrix, trace pyrite, lower contact at 60 deg, magnetic.	593192	544.0	545.0	1.0	0.006				5		
			593193	545.0	546.0	1.0	<0.005				3		
			593194	546.0	546.9	0.9	0.005				2		
546.90	**550.90**	Carbonated Ultramafic	593195	546.9	548.0	1.1	<0.005				10		

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		White green to dark black green carbonated ultramafic, moderately foliated	593196	548.0	549.0	1.0	0.01				15		
		at 50-60 deg with 1-10 mm fault gouge parallel to foliation and in <5 cm breccia	593197	549.0	550.0	1.0	0.009				30		
		zones, 10%, 0.1-3 cm white wispy quartz ankerite veining, lower contact at 50 deg.	593198	550.0	550.9	0.9	0.008				10		
550.90	**557.60**	Carbonated Ultramafic Syenite	593199	550.9	552.1	1.2	<0.005						
		Dark black green foliated drag folded carbonated ultramafic with 40%, 5-120 cm	593200	Blank			<0.005				5		
		wide chloritic fractured red hematitic altered syenite dykes parallel to moderate	593201	Au Std # 16			1.305	NSS	NSS				
		foliation at 30-40 deg, 1-5%, 0.5-3 cm wide white red hematitic quartz ankerite	593202	552.1	553.2	1.1	<0.005				10		
		potassic feldspar boudinaged veining parallel to foliation.	593203	553.2	554.0	0.8	0.005				10		
			593204	554.0	555.0	1.0	<0.005						
			593205	555.0	556.0	1.0	<0.005				10		
			593206	556.0	556.8	0.8	0.009				2		
			593207	556.8	557.6	0.8	<0.005				3		
557.60	**559.80**	Quartz Vein Zone Carbonated Ultramafic	593208	557.6	558.1	0.5	0.005				20	tr	cpy
		Chloritic dark black green carbonated ultramafic intruded by 50%, 1-60 cm wide	593209	558.1	558.9	0.8	0.006				95	tr	
		white quartz veining at 30-40 deg, chlorite sericite and ankerite fractures in	593210	558.9	559.8	0.9	0.005				50	tr	
		veining, trace chalcopyrite and pyrite in breccia vein contact zones, lower											
		contact broken.											
559.80	**604.90**	Syenite	593211	559.8	560.8	1.0	<0.005				5		
		559.8-562.7	593212	560.8	561.8	1.0	0.008				10		
		Red to orange red weakly magnetic hematitic altered fine to medium grained	593213	561.8	562.7	0.9	0.026				3		
		syenite, 10%, 1-5 mm white quartz +- ankerite vein stockwork, chloritic fractured	593214	562.7	563.7	1.0	0.023				2		
		at 20-40 deg.	593215	563.7	564.8	1.1	0.015				1		
		559.8-568.8	593216	564.8	565.8	1.0	0.011				1		
		Red magnetic more massive fine to medium grained weakly hematitic altered	593217	565.8	566.8	1.0	0.164				1		
		syenite, 1-2%, 1-5 mm irregular white quartz ankerite veining.	593218	566.8	567.8	1.0	0.045				2		
		568.8-575.6	593219	567.8	568.8	1.0	0.029				2		
		Red to orange red nonmagnetic ankeritic hematitic altered fine to medium	593220	568.8	569.8	1.0	0.021				5	tr	
		grained syenite, 2-15%, 0.1-2 cm wide irregular fractured brecciated weakly	593221	569.8	570.8	1.0	0.038	0.023			3	tr	
		drag folded white quartz ankerite veining at 30-80 deg, avg 40 deg, trace to 2%	593222	570.8	571.3	0.5	0.043				10	tr	
		medium grained disseminated pyrite in stronger altered syenite sections and	593223	571.3	572.1	0.8	0.028				20	1	
		along vein contacts, weakly sericitic fractures at 20-40 deg.	593224	572.1	572.7	0.6	0.107				10	2	
		570.9-571.2	593225	Blank			<0.005						
		Chlorite + - black massive tourmaline shear / breccia zone at 30-20-10 deg.	593226	Au Std # 16			1.37		NSS				
		575.6-594.3	593227	572.7	573.7	1.0	0.018				3	1	
		Similar to above except there are 5-10%, 1-10 cm wide irregular white light grey to	593228	573.7	574.6	0.9	0.019				10	1	
		grey fractured quartz veins at 30-60 deg, also trace to 1% fine grained pyrite	593229	574.6	575.6	1.0	0.016				10	2	
		as well as the trace to 2% medium grained pyrite, Lighter veins have ankerite	593230	575.6	576.6	1.0	0.019				30	0.5	
		growths along contacts, also some veins have black tourmaline chlorite growths.	593231	576.6	577.6	1.0	0.044				10	tr	
		594.3-602.4	593232	577.6	578.6	1.0	0.028				3	tr	
		Red grey green nonmagnetic more massive weakly hematitic medium grained	593233	578.6	579.6	1.0	0.047				2	tr	
		syenite, 1-3%, 0.1-1.5 cm wide white quartz ankerite veining at 20-60 deg, <1%,	593234	579.6	580.6	1.0	0.01				5	tr	
		0.5-1 cm light grey earlier quartz veining.	593235	580.6	581.6	1.0	0.038				5	tr	
		602.4-604.9	593236	581.6	582.6	1.0	0.058				3	tr	
		Brick red to red green strongly hematitic altered syenite, 5%, white quartz ankerite	593237	582.6	583.6	1.0	0.049				2	tr	
		and 5% light grey quartz veining at ball angles, trace to 1% disseminated	593238	583.6	584.6	1.0	0.033				5	tr	
		medium grained pyrite.	593239	584.6	585.6	1.0	0.021				3	tr	

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
			593240	585.6	586.6	1.0	0.076				2	tr	
			593241	586.6	587.4	0.8	0.029	0.024			15	1	
			593242	587.4	588.4	1.0	<0.005				2	tr	
			593243	588.4	589.5	1.1	0.068				15	tr	
			593244	589.5	590.6	1.1	0.04				25	tr	
			593245	590.6	591.5	0.9	0.033				2		
			593246	591.5	592.5	1.0	<0.005				2		
			593247	592.5	593.6	1.1	0.005				1		
			593248	593.6	594.3	0.7	0.038				3		
			593249	594.3	595.4	1.1	0.011				5		
			593250	Blank			<0.005						
			593251	Au Std # 16			1.34		NSS				
			593252	595.4	596.4	1.0	<0.005				3		
			593253	596.4	597.4	1.0	0.018				1		
			593254	597.4	598.4	1.0	0.048				1		
			593255	598.4	599.4	1.0	<0.005				3		
			593256	599.4	600.4	1.0	<0.005				5		
			593257	600.4	601.4	1.0	<0.005				2		
			593258	601.4	602.4	1.0	0.006				3		
			593259	602.4	603.6	1.2	<0.005				5	tr	
			593260	603.6	604.8	1.2	0.006				15	1	
604.90	**605.85**	Diabase	593261	604.8	605.8	1.0	0.008				2		
		Black fine grained magnetic diabase with 10 cm wide faulted contacts at 50-60 deg											
		with some chloritic gouge.											
605.85	**625.90**	Altered Hematitic Syenite	593262	605.8	607.0	1.2	0.007				10	tr	
		Bright brick red nonmagnetic weakly silicified strongly hematitic altered medium to	593263	607.0	608.0	1.0	<0.005				5	tr	
		fine grained syenite, 1-15%, 0.1-5 cm light grey fractured quartz veining with	593264	608.0	609.0	1.0	<0.005				1		
		white ankerite rims at 10-70 deg, trace to 1% fine to medium grained	593265	609.0	610.0	1.0	0.021				3	tr	
		disseminated pyrite, weakly chloritic sericitic fractured at 30-60 deg.	593266	610.0	611.0	1.0	0.018				10	tr	
		weakly chloritic specularite brecciated locally.	593267	611.0	612.0	1.0	<0.005				1		
		612.2-612.5	593268	612.0	612.6	0.6	<0.005				10		
		Dark green chloritic shear zone at 20 deg with 15% light grey fragmented	593269	612.6	613.6	1.0	0.007				3	tr	
		quartz veining and 5%, 1-2 cm red hematite altered syenite tensional fragments.	593270	613.6	614.6	1.0	<0.005				2		
			593271	614.6	615.6	1.0	0.007				1		
			593272	615.6	616.6	1.0	0.006				2		
			593273	616.6	617.6	1.0	0.039				3	tr	
			593274	617.6	618.6	1.0	0.008				2	tr	
			593275	Blank			0.006						
			593276	Au Std # 16			1.26		1.39				
			593277	618.6	619.8	1.2	0.006				10	tr	
			593278	619.8	620.9	1.1	0.005	<0.005			5	tr	
			593279	620.9	621.9	1.0	0.007				5	tr	
			593280	621.9	622.8	0.9	0.008				15	tr	
			593281	622.8	624.0	1.2	0.006				3		
			593282	624.0	624.7	0.7	0.007				1		
			593283	624.7	625.4	0.7	<0.005				3		

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
625.90	**626.50**	Fault Zone	593284	625.4	626.5	1.1	<0.005				1		
		Red light grey beige green calcitic fault breccia with contacts at 50 deg, 40%,											
		10-15 cm wide brecciated light grey quartz in chloritic sericitic calcitic hematitic											
		breccia matrix, 15%, 5 cm wide light grey beige sericitic solid clay veins with											
		trace pyrite and 1-5 mm quartz fragments, sharp upper contact at 50 deg marked											
		by clay vein, lower contact marked by irregular red white hematitic quartz vein											
		at 45-50 deg.											
626.50	**632.70**	Altered Syenite	593285	626.5	627.3	0.8	<0.005				2		
		Red medium coarse grained hematitic altered massive syenite with 30%, 1-40 cm	593286	627.3	628.1	0.8	<0.005				1		
		wide bright brick red silicified strongly hematitic altered syenite with 1-10%	593287	628.1	629.0	0.9	0.005				1		
		0.1-5 cm light grey fragmented quartz +- ankerite veining cutting 5-10%, 1-10 mm	593288	629.0	630.0	1.0	0.005				5	0.5	
		white ankerite +- quartz veining, trace to 1% disseminated pyrite in altered zones.	593289	630.0	630.8	0.8	<0.005				3	tr	
		starting at 626 m 25%, 10-40 cm wide grey olive green fine to medium grained	593290	630.8	631.7	0.9	<0.005				5	tr	
		foliated nonmagnetic ultramafic sections with trace to 0.5% disseminated pyrite	593291	631.7	632.7	1.0	0.008				10	tr	
		and 1-3%, 1-5 mm quartz ankerite veining parallel to foliation at 60-80 deg.											
632.70	**642.60**	Syenite											
		Red green coarse grained massive syenite with <1%, 0.5-1 cm brick red hematite											
		altered veins, 5%, 10-30 cm dark green magnetic ultramafic komatiite bands.											
642.60	**647.60**	Altered Syenite	593292	641.8	642.6	0.8	0.006				1		
		642.6-646.3	593293	642.6	643.3	0.7	0.006				25	tr	
		Red green coarse grained syenite with 3%, 2-10 cm wide white to light grey	593294	643.3	644.4	1.1	0.005				2		
		quartz veining at 70-80 deg and 1%, 1-5 cm brick red silicified hematitic altered	593295	644.4	645.5	1.1	<0.005				1		
		veining.	593296	645.5	646.3	0.8	0.006				1		
		646.3-647.6	593297	646.3	647.0	0.7	0.009				10	tr	
		Red to brick red weakly silicified strongly hematitic altered syenite, moderately	593298	647.0	647.6	0.6	0.007	0.006			2	tr	
		foliated and mylonitic, 10%, 0.2-3 cm wide irregular fragmented red white											
		hematitic quartz veining parallel to foliation, 0.5% finely disseminated pyrite,											
		sharp lower contact at 55 deg.											
647.60	**651.70**	Carbonated Ultramafic	593299	647.6	648.6	1.0	<0.005				3	0.5	
		Dark green nonmagnetic carbonated ultramafic intruded by 5-40 cm wide	593300	Blank			<0.005						
		strongly magnetic grey massive fine grained komatiite horizons with trace to 0.5%	593301	Au Std # 16			1.34		1.42				
		finely disseminated pyrite, ultramafic moderately foliated at 30-40 deg, ground lower	593302	648.6	649.3	0.7	<0.005				20		
		contact, 1-2 mm fault gouge slips at 40 deg, ankeritic.	593303	649.3	649.8	0.5	0.012					0.5	
			593304	649.8	650.7	0.9	<0.005				15	tr	
			593305	650.7	651.7	1.0	0.006				20	tr	
651.70	**656.10**	Feldspar Porphyry	593306	651.7	652.7	1.0	<0.005					tr	
		Red green nonmagnetic hematitic feldspar porphyry with 80%, 1-3 mm white	593307	652.7	653.8	1.1	<0.005				2	tr	
		and pink white anhedral feldspar phenocrysts in a green mafic matrix, ankeritic	593308	653.8	655.0	1.2	0.012				2	tr	
		1%, 0.2-1 cm wide white quartz ankerite veining at 30-80 deg, trace to 0.5%	593309	655.0	656.1	1.1	0.005				1	tr	
		finely disseminated pyrite, lower contact marked by 2 cm fault at 20 deg.											
656.10	**673.20**	Carbonated Ultramafic	593310	672.1	672.7	0.6	0.009				10		

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Dark green nonmagnetic carbonated ultramafic and fine grained more massive	593311	672.7	673.2	0.5	0.03				70		
		nonmagnetic grey komatiite horizons, moderately to weakly foliated at 30-40 deg,											
		ankeritic, 5-20%, white 0.1-2 cm ankerite +- quartz veining parallel to foliation.											
		672.7-673.2											
		Quartz carbonate vein zone with 70% veining, lower contact marked by 3 cm											
		wide chloritic fault at 60 deg.											
673.20	**794.00**	Syenite	593312	673.2	674.2	1.0	0.008				1		
		673.2-689.0	593313	674.2	675.1	0.9	0.05						
		Grey pink nonmagnetic ankeritic weakly foliated syenite or feldspar porphyry,									2		
		689.0-703.45	593314	688.0	689.0	1.0	0.008						
		Pink red brick red beige and grey green variably ankeritic sericitic and hematitic	593315	689.0	689.7	0.7	0.007					0.5	
		altered medium to coarse grained syenite, weakly fractured and foliated	593316	689.7	690.4	0.7	0.007					1	
		at 40-50 deg, widespread brick red strongly hematitic and weakly silicified veins	593317	690.4	691.1	0.7	0.007						
		1-30 cm wide with trace to 1% medium grained pyrite, also grey fine grained weakly	593318	691.1	692.2	1.1	0.007	0.009			1		
		silicified sections with trace to 0.5% finely disseminated fine grained pyrite,	593319	692.2	693.4	1.2	0.005				1		
		<1%, 0.2-2 cm red white hematitic quartz ankerite veining parallel to foliation.	593320	693.4	694.4	1.0	0.005						
			593321	694.4	695.4	1.0	0.008						
			593322	695.4	696.4	1.0	0.005				2	tr	
			593323	696.4	697.4	1.0	0.009						
			593324	697.4	698.5	1.1	0.012				2	tr	
			593325	Blank			<0.005						
			593326	Au Std # 14			5.84		5.84				
			593327	698.5	699.2	0.7	0.007						
			593328	699.2	700.0	0.8	0.01						
			593329	700.0	701.0	1.0	0.009				2	0.5	
			593330	701.0	702.0	1.0	<0.005						
			593331	702.0	702.8	0.8	0.009				1	tr	
			593332	702.8	703.5	0.7	0.014				1	tr	
			593333	703.5	704.5	1.0	0.009						
		703.45-728.6											
		Pink grey green weakly hematitic altered coarse grained syenite, more massive											
		ankeritic, very weak foliation at 50 deg, <<1% quartz ankerite veining.											
		722.9-725.2											
		Weakly hematitic altered syenite, 2%, 0.2-1 cm wide irregular white ankerite											
		veins lenses and clots at all angles offset by chloritic fractures at 50 deg.	593334	727.7	728.6	0.9	<0.005						
		728.6-731.2	593335	728.6	729.5	0.9	0.005					0.5	90%rec
		Brick red strongly hematitic altered syenite with 1% white to light grey irregular	593336	729.5	730.3	0.8	0.018					0.5	
		quartz +- ankerite veining with trace 1-3 mm chalcopyrite blebs, trace to 0.5%	593337	730.3	731.2	0.9	0.005				5	tr	cpy
		disseminated fine to medium grained cube pyrite in syenite matrix.	593338	731.2	732.2	1.0	<0.005						
		731.2-738.0											
		Pink grey green ankeritic coarse grained weakly hematitic altered syenite with											
		10-30 cm wide grey green foliated komatiite horizons at 35 deg, massive to											
		very weakly foliated at 35-40 deg.											
		738.0-739.0	593339	737.0	738.0	1.0	<0.005						
		Orange pink ankeritic weakly foliated hematitic altered syenite with 15%, 1-10 cm	593340	738.0	739.0	1.0	<0.005				15	tr	
		wide light grey white and green quartz chlorite veins parallel to foliation at 35 deg,	593341	739.0	740.0	1.0	<0.005						
		trace disseminated pyrite in syenite and along chloritic foliation planes.											
		739.0-763.2											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Red grey green calcitic coarse grained syenite, massive to very weakly foliated											
		at 35-40 deg.											
		763.2-764.5	593342	762.2	763.2	1.0	<0.005						
		Orange brick red to red green ankeritic hematitic altered coarse grained syenite,	593343	763.2	763.7	0.5	0.01				10	1	
		8%, 1-5 cm light grey to white quartz ankerite veining parallel to weak chloritic	593344	763.7	764.5	0.8	0.02				5	1	
		foliation at 40-50 deg, 1% medium grained disseminated pyrite in syenite and	593345	764.5	765.5	1.0	<0.005						
		along chloritic foliation planes.											
		764.5-794.0											
		Pinkish grey green nonmagnetic weakly calcitic coarse grained syenite, massive											
		to very weakly foliated at 40-50 deg.											
		780.0											
		Graphitic slip at 50 deg.											
		790.8-790.9	593346	789.6	790.1	0.5	<0.005				20		
		Light grey pink hematite stained quartz ankerite vein at 40 deg.											
794.00	**811.30**	Altered Syenite											
		794.0-796.3	593347	793.0	794.0	1.0	<0.005						
		Orange brick red to red grey green nonmagnetic weakly ankeritic hematitic	593348	794.0	794.5	0.5	<0.005					0.5	
		altered syenite, weakly foliated at 35 deg with weak mylonitic texture with	593349	794.5	795.4	0.9	<0.005					tr	
		subrounded rolled altered feldspars, trace to 0.5% finely disseminated pyrite.	593350	Blank			<0.005						
		796.3-797.4	593351	Au Std # 16			1.075	1.43					
		Green grey white ankeritic foliated komatiite flow to ash tuff with 0.5 mm grey	593352	795.4	796.3	0.9	0.005					tr	
		rounded carbonate grains in a carbonated ultramafic fine grained matrix,	593353	796.3	797.4	1.1	<0.005				5		
		moderately foliated at 35-40 deg.	593354	797.4	797.7	0.3	<0.005				2	tr	cpy
		797.4-797.7	593494	797.7	798.7	1.0	0.006				1		
		Bright orange brick red weakly silicified hematitic altered syenite, weakly	593495	798.7	799.7	1.0	0.014				1		
		foliated at 40 deg, one light grey quartz vein at 40 deg near upper contact,	593496	799.7	800.7	1.0	<0.005				2	tr	cpy
		trace pyrite in syenite and trace chalcopyrite in quartz vein.	593497	800.7	801.8	1.1	0.008				25	tr	cpy
		Note: Hole re-entered on Sept 5th to extend hole to test magnetic low centered	593498	801.8	802.9	1.1	0.057				3	tr	cpy
		at 80+50 N, first box of extension drop and mixed up. No sign of strongly altered	593499	802.9	803.9	1.0	0.009				3	tr	cpy
		syenite in this box as at 797.4-797.7 m	593500	Blank			<0.005						
		797.7-806.7	593501	Au Std # 16			1.38		1.36				
		Orange red and green nonmagnetic weakly hematitic chloritic altered medium to	593502	803.9	804.9	1.0	0.005				3	tr	cpy
		coarse grained syenite, weakly foliated at 30-40 deg, 3-30%, 1-30 cm wide	593503	804.9	805.8	0.9	0.005	0.007			35	tr	cpy
		white weakly brecciated with ankerite quartz veining parallel to foliation, veins	593504	805.8	806.7	0.9	0.007				3	tr	cpy
		contain trace pyrite and chalcopyrite, contact of veins are chloritic over 0.1-5 cm.	593505	806.7	807.8	1.1	0.005				1	tr	
		806.7-811.3	593506	807.8	808.9	1.1	0.005						
		Red to green weakly hematitic chloritic altered syenite with < 1% quartz veining	593507	808.9	810.1	1.2	0.005				1	tr	
		and trace pyrite, foliated at 30-40 deg.	593508	810.1	811.3	1.2	<0.005				1	tr	
811.30	**826.40**	Syenite											
		Pink green to green nonmagnetic weakly hematitic chloritic coarse grained syenite											
		massive to weakly foliated at 40 deg over lower 50 cm, minor quartz veining											
		with trace pyrite.											
826.40	**862.20**	Altered Syenite											
		826.4-828.0											
		Green and orange red a 80/20 mix of moderately foliated chloritic mafic intrusive											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		and hematitic altered foliated syenite, foliation at 40 deg, 1%, 1-10 mm wide											
		irregular ankerite veining.											
		828.0-833.4											
		Grey pink and green nonmagnetic ankeritic chloritic hematitic altered syenite,											
		moderately foliated at 35-40 deg, 1-2%, 1-10 mm wide pink grey quartz ankerite											
		veining parallel to foliation, trace pyrite.											
		833.4-840.1											
		Pink grey green ankeritic coarse grained syenite, weakly foliated at 40 deg.											
		840.1-850.5	593509	840.1	841.1	1.0	<0.005				1		
		Grey grey and pink ankeritic medium grained syenite weakly foliated at 40-45 deg,	593510	841.1	842.1	1.0	0.005				15	tr	
		2-3%, 1-5 cm grey chloritic fractured quartz veining and 10-15%, 1-10 cm wide	593511	842.1	843.1	1.0	0.017				10	tr	
		pink white to dark red salmon quartz albite veining at 20 -45 deg parallel to foliation	593512	843.1	844.2	1.1	0.006				1		
		cross-cutting foliation at 90 deg, trace to 1% disseminated fine to medium grained	593513	844.2	845.2	1.0	<0.005				10	tr	
		pyrite in veining and along contacts.	593514	845.2	846.2	1.0	0.008				5	tr	
		850.5-862.2	593515	846.2	847.3	1.1	0.007				3	tr	
		Green pink grey to light beige brown nonmagnetic ankeritic weakly chloritic to	593516	847.3	848.4	1.1	<0.005				2	tr	
		moderately sericitic altered medium grained syenite, weakly to moderately	593517	848.4	849.5	1.1	0.005				10	tr	
		foliated at 30-40 deg, no veining trace disseminated pyrite.	593518	849.5	850.5	1.0	<0.005				1	tr	
		855.0-859.2	593519	850.5	851.1	0.6	<0.005					tr	
		Slightly stronger sericitic alteration with sericitic fault slips 286.9-287.3 m.	593520	851.1	852.7	1.6	<0.005					tr	
		859.2-862.2	593521	852.7	853.8	1.1	<0.005					tr	
		Syenite becomes more massive and sericitic alteration decreases.	593522	853.8	855.0	1.2	<0.005				1	tr	
		861.75-861.95	593523	855.0	856.0	1.0	<0.005	<0.005				tr	
		Dark green and white chloritic ankeritic stronger foliated zone at 30-40 deg.	593524	856.0	856.8	0.8	<0.005					tr	
			593525	Blank			0.01						
			593526	Au Std # 16			1.31		1.41				
			593527	856.8	857.8	1.0	<0.005					tr	
			593528	857.8	858.5	0.7	<0.005					tr	
			593529	858.5	859.2	0.7	<0.005					tr	
			593530	859.2	860.2	1.0	0.005					tr	
			593531	860.2	861.2	1.0	<0.005						
			593532	861.2	862.2	1.0	<0.005				1		
862.20	**879.60**	Syenite											
		Pink grey and dark green nonmagnetic ankeritic coarse grained syenite with											
		10-15% dark green chloritic amphobole matrix, massive to locally very weakly											
		foliated at 35 deg.											
		865.45-865.75											
		Green fine grained mafic dyke at 40-60 deg with 1% calcite veining.											
879.60	**888.30**	Altered Syenite											
		Pink grey to beige grey nonmagnetic ankeritic weakly sericitic and chloritic											
		altered syenite, massive and weakly to foliated at 35-40 deg, locally 25 or 60 deg,											
		trace dissemonated pyrite, <1% white ankerite quartz veining.											
888.30	**904.00**	Shear Zone Quartz Carbonate Vein Zone Altered Syenite	593533	888.3	889.3	1.0	<0.005				1	tr	
		888.3-893.8	593534	889.3	890.2	0.9	<0.005				1	tr	
		Grey pink green and beige nonmagnetic ankeritic chloritic hematitic sericitic altered	593535	890.2	891.0	0.8	<0.005						
		coarse grained syenite, weakly to moderately foliated at 25-40 deg, weakly	593536	891.0	892.0	1.0	0.006						

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		silicified towards lower contact, 5%, 5-25 cm wide more chloritic stronger foliated	593537	892.0	893.2	1.2	<0.005					tr	
		sections with 3% ankerite veining and trace pyrite.	593538	893.2	894.0	0.8	<0.005				2	tr	
		893.8-893.95	593539	894.0	894.9	0.9	0.007				75	0.5	cpy
		Chloritic hematic fault at 40 deg with 5 mm wide gouge contacts.	593540	894.9	895.7	0.8	0.009				5	tr	
		893.95-894.9	593541	895.7	896.4	0.7	0.013				3	0.5	
		Strongly foliated zone at 40-30 deg with 75%, 1-2 cm wide grey orange pink and	593542	896.4	897.0	0.6	<0.005					tr	
		white ankerite quartz veining with chloritic contacts parallel to foliation, trace	593543	897.0	898.0	1.0	0.008					tr	
		pyrite and chalcopyrite, veins finely brecciated with white ankerie breccia matrix.	593544	898.0	899.0	1.0	0.018				15	3	
		894.9-898.0	593545	899.0	900.0	1.0	0.007					tr	
		Mixture of red weakly hematitic silicified coarse grained syenite and two 30-40 cm	593546	900.0	901.0	1.0	<0.005					tr	
		wide chloritc strongly foliated ankerite quartz vein zones at 25-30 deg with 0.5%	593547	901.0	902.0	1.0	0.005					tr	
		finely disseminated pyrite.	593548	902.0	903.0	1.0	0.006				2	tr	
		898-899.0	593549	903.0	904.0	1.0	0.007				1	tr	
		Strongly foliated chloritic zone at 20 deg with 15%, 0.5-2 cm wide grey quartz and	593550	Blank			<0.005						
		white ankerite stretched veins, 3% fine to medium grained disseminated pyrite	593551	Au Std # 16			1.46		1.45				
		in chloritic silicified matrix.	593552	904.0	905.0	1.0	<0.005				1	tr	
		899.0-904.0	593553	905.0	906.0	1.0	<0.005					tr	
		Pink red grey and green ankeritic hematitic weakly silicified coarse grained	593554	906.0	907.0	1.0	<0.005					tr	
		syenite or feldspar porphyritic syenite, weakly foliated at 30 deg, trace disseminated	593555	907.0	908.0	1.0	<0.005					tr	
		pyrite in chloric matrix, lower contact gradational.	593556	908.0	909.0	1.0	<0.005				1	tr	
			593557	909.0	910.0	1.0	0.006				3	tr	
904.00	**919.30**	Altered Feldspar Porphyry											
		904.0-910.0											
		Pink orange red grey and green ankeritic more massive hematitic altered											
		feldspar to coares grained syenite with 75% 2-5 mm grey feldspars in altered											
		hematitic chloritic syenite matrix, locally 2%, 1 cm light grey quartz veining at 20 deg											
		trace disseminated medium grained pyrite.											
		910.0-915.4	593558	910.0	911.0	1.0	<0.005						
		Dark red and grey green weakly calcitic hematitic more chloritic altered feldspar	593559	911.0	912.0	1.0	0.006				1	tr	
		porphyry or coarse grained syenite, massive minor traces of pyrite.	593560	912.0	913.0	1.0	<0.005						
		915.4-919.3	593561	913.0	914.0	1.0	0.008				1	tr	
		Darker green more chloritic feldspar porphyry texture becoming obscure,	593562	914.0	915.0	1.0	<0.005	<0.005			1	tr	
		10%, 5-10 cm wide chloritic calcitic shear zones at 20 deg with 2% quartz cal;cite	593563	915.0	916.0	1.0	0.006				2	tr	
		veining and trace pyrite.	593564	916.0	917.0	1.0	<0.005						
			593565	917.0	918.2	1.2	0.007				2	tr	
			593566	918.2	919.3	1.1	<0.005				2	tr	
919.30	**923.90**	Shear Zone Quartz Carbonate Vein Zone Altered Feldspar Porphyry	593567	919.3	920.4	1.1	<0.005					2	
		919.3-920.4	593568	920.4	921.5	1.1	<0.005				15	0.5	
		Dark green and red brown green chloritic hematitic calcitic shear zone	593569	921.5	922.2	0.7	0.007				20	2	
		at 15-5-0-5 deg, 2% disseminated fine to medium grained pyrite cubes.	593570	922.2	923.0	0.8	0.013				20	2	
		920.4-921.55	593571	923.0	923.9	0.9	<0.005				3	1	
		Pink grey green undeformed feldspar porphyry with 15%, 1-1.5 cm wide light grey											
		quartz veins lenses and fragments, 0.5% disseminated pyrite in porphyry broken											
		core broken upper contact, lower contact sheared at 15 deg.											
		921.55-923.0											
		Dark green red green chloritic hematitic calcitic shear zone, moderately foliated											
		at 15-30 deg, 20%, 0.5-2.5 cm grey white boudinaged stretched fragmented											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		quartz veining with calcitic matrix and contacts, 2% disseminated pyrite in chlorite											
		and along vein contacts, upper contact at 15 deg, lower contact at 15-20 deg											
		marked by wavy 1 cm wide quartz vein.											
		923.0-923.6											
		Grey undeformed feldspar porphyry with 1% pyrite.											
		923.6-923.9											
		Dark green chloritic shear 5 cm wide with 1% pyrite 2% quartz calcite veing											
		and 25 cm wide brecciated feldspar porphyry with 15% grey white quartz veining											
		and trace pyrite.											
923.90	**937.50**	Feldspar Porphyry Syenite	593572	923.9	924.6	0.7	0.005				2	tr	
		923.9-924.55	593573	924.6	925.6	1.0	<0.005				2	tr	
		Dark green and grey chloritic calcitic altered feldspar porphyry with 2%, 0.5-1 cm											
		wide quartz veining and trace disseminated pyrite, lower contact marked by											
		0.5 cm quartz vein at 40 deg.											
		924.55-937.5											
		Pink grey and green grey nonmagnetic calcitic feldspar porphyry with 70-75%,											
		2-4 mm pink grey anhedral to euhedral feldspar phenocrysts in a fine to medium											
		grained chloritic calcitic syenite matrix, sharp lower contact at 50 deg											
937.50	**940.25**	Shear Zone Quartz Vein Zone	593574	936.5	937.5	1.0	<0.005					tr	
		937.5-938.45	593575	Blank			<0.005						
		Dark green and salmon red orange chloritic shear zone at 50-70 deg towards	593576	Au Std # 16			1.41		1.44				
		lower contact, 15%, 0.5-6 cm red orange albitized drag-folded boudinaged	593577	937.5	938.3	0.8	<0.005				1	tr	
		altered feldspar porphyry veins in chloritic shear, trace pyrite, <1% grey quartz	593578	938.3	939.0	0.7	<0.005				1	tr	
		veining, upper contact at 50, lower contact at 70 deg marked by chloritic fault	593579	939.0	940.0	1.0	0.012				35	2	
		slip.	593580	940.0	940.5	0.5	<0.005						
		938.45-939.0											
		Red orange and green grey albitized hematitic altered feldspar porphyry with											
		red orange altered feldspar phenocrysts in green grey matrix, trace pyrite.											
		939.0-940.0											
		Red orange grey and black green chloritic shear zone at 30-40 deg with 35%,											
		1-15 cm wide grey fractured quartz veins at 30-60 deg, 10%, 0.5-5 cm wide											
		red orange albitized altered feldspar porphyry veins with sericitic matrix,											
		2% medium grained pyrite grains and blebs to 2 mm disseminated in porphyry											
		and along chloritic vein contacts and chloritic fractures in quartz veining											
		940.0-940.25											
		Dark green chloritic mafic hear at 40 deg with no veining and trace pyrite.											
940.25	**955.80**	Feldspar Porphyry											
		Pink red dark green grey nonmagnetic altered feldspar porphyry with 60-70%											
		2-4 mm anhedral and euhedral hematitic altered feldspar phenos in a fine grained											
		chloritic mafic matrix, 1%, 2-10 mm irregular calcite quartz ankerite veining.											
		950.7-950.95	593581	950.6	951.1	0.5	0.006				10	tr	
		Orange red hematitic albitized silicified porphyry zone at 60-40 deg with one 5 cm											
		white grey irregular quartz vein at 60-90 deg, trace pyrite in porphyry.											
955.80	**970.00**	Shear Zone Altered Feldspar Porphyry	593582	954.5	955.8	1.3	<0.005	<0.005			1		
		955.8-961.5	593583	955.8	956.7	0.9	<0.005				2	tr	

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Pink grey and green grey ankeritic chloritic shear zone with upper contact at 30 deg	593584	956.7	957.6	0.9	<0.005				5	tr	
		and lower contact at 50 deg, 10-15%, 0.5-5 cm wide pink grey boudinaged	593585	957.6	958.5	0.9	<0.005				5	tr	
		sericitic albitized altered porphyry veins and 3-5%, 1-5 mm wide grey white quartz	593586	958.5	959.6	1.1	<0.005				3	tr	
		and lower contact at 50 deg, 10-15%, 0.5-5 cm wide pink grey boudinaged	593587	959.6	960.6	1.0	<0.005				3	tr	
		annkeritic sericitic altered porphyry veining and 3-5% boudinaged grey white	593588	960.6	961.5	0.9	<0.005				5	tr	
		quartz ankerite veining parallel to moderate foliation at 30-20-40 and 50 deg,	593589	961.5	962.5	1.0	0.014				10	1	
		trace disseminated pyrite mainly in porphyry veining.	593590	962.5	963.5	1.0	0.089				3	tr	
		961.5-965.9	593591	963.5	964.2	0.7	<0.005				1	tr	
		Pink to red orange to grey hematitic albitized weakly silicified altered feldspar	593592	964.2	965.0	0.8	<0.005				1	tr	
		porphyry, porphyritic texture destroyed in stronger altered sections, 1-10%,	593593	965.0	965.7	0.7	0.005				1	tr	
		0.2-3 cm wide light grey irregular quartz veining with 5-10 mm ankerite crystals	593594	965.7	966.8	1.1	0.011				10	0.5	
		along vein contacts, veining at 30-140 deg, 1% medium disseminated pyrite	593595	966.8	967.6	0.8	<0.005				5	tr	
		to 963.5 and then trace to end of interval.	593596	967.6	968.3	0.7	<0.005				5	tr	
		965.9-967.3	593597	968.3	969.2	0.9	<0.005				1	tr	
		Dark green ankeritic chloritic mafic shear zone with 10%, 0.5-1.5 cm wide	593598	969.2	970.0	0.8	0.008				5	tr	
		boudinaged pink orange albitized altered feldspar porphyry veins parallel to	593599	970.0	971.0	1.0	<0.005						
		moderated foliation at 25-40-50 deg, 5%, 1-2 cm wide grey quartz ankerite veins	593600	Blank			<0.005						
		at 5-20 deg, 0.5% disseminated pyrite in altered porphyry, sharp upper contact	593601	Au Std # 16			1.435		1.4				
		at 30 deg sharp lower contact at 50 deg.	593602	971.0	971.9	0.9	<0.005	<0.005					
		967.3-970.0	593603	971.9	972.5	0.6	0.007				2	tr	
		Pink green grey weakly hematitic chloritic altered feldspar porphyry with 1-5%,	593604	972.5	973.4	0.9	<0.005					tr	
		0.5-2 cm wide irregular chloritic fractured contolled light grey quartz ankerite	593605	973.4	974.4	1.0	0.005				2	tr	
		veining at 30-140 deg, trace disseminated medium grained pyrite in altered sillicified	593606	974.4	975.5	1.1	<0.005				1	tr	
		vein wallrocks, sharp lower contact at 40 deg marked by chloritic slip.	593607	975.5	976.6	1.1	0.013				20	0.5	
970.00	**1013.60**	Feldspar Porphyry Mafic Syenite	593608	976.6	977.6	1.0	<0.005						
		Pink grey and grey, weakly magnetic to nonmagnetic calcitic massive feldspar											
		porphyry with 40-60%, 2-4 mm grey white anhedral feldspar phenocrysts in a											
		medium grained pink grey mafic syenite matrix, <1%, 1-10 mm grey pink white											
		irregular calcite quartz veining at 20-70 deg, minor traces of pyrite.											
		972.0-972.45 and 975.48-976.58											
		50/50 dark green chloritic foliated mafic intrusive and red pink hematitic albitized											
		brecciated altered feldspar porphyry, foliation at 15-20 deg, 0.5% disseminated											
		pyrite along chloritic fractures in porphyry, and disseminated in mafix material,											
		2-3% white quartz veining at 15-35 deg, 15 cm white quartz vein at 50 deg at											
		upper contact of second interval.											
		979.1-981.5											
		60% dark green to red green ankeritic hematitic chloritic foliaterd mafic intrusive											
		cutting feldspar porphyry at 15-25 deg, tyrace pyrite, porphyry unaltered.											
1013.60	**1030.40**	Mafic Syenite											
		Green grey and pink grey weakly to nonmagnetic calcitic massive medium to											
		coarse grained mafic syenite and weakly feldspar porphyritic mafic syenite											
		similar to above unit, unaltered trace pyrite.											
	1030.40	EOH											
		Casing left in hole.											

DESCRIPTION : Hole No. MC12_3													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	

DESCRIPTION : Hole No. MC12_3

From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	

PROPERTY: Murdoch Creek- Teck A and AK			HOLE NUMBER: MC12_4						
Province:	Ontario	**DATE LOGGED:**	**Grid E**	85+00	**Method**	**Depth**	**Az corr.**	**Dip**	**Mag**
Township	Teck	**LOGGED BY:** Wayne Benham	**Grid N**	86+18		0	341	-58.0	
Started:	08-Aug-12	**DRILLED BY:** Cabo Drilling Ontario Corp.	**UTM E:**	571126	REFLEX	24	343.1	-56.7	53520
Completed:	22-Aug-12	**UNITS:** Metres	**UTM N:**	5329883		84	344.2	-56.1	56470
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	278		144	346.1	-56.5	52223
			Length:	669.8		204	346.7	-56.7	55100
						264	348.1	-56.3	54920
PURPOSE:	To test IP and magnetic anomalies in the Murdock Creek Syenite Stock					324	349.8	-56.1	54910
						384	351.1	-55.7	55090
COMMENTS:	Sample Numbers 593355-593415 inclusive, 61 sawn 1/2 core samples 2 Blank samples and 2 Au Standards #16 samples (SH 55 1.375 g/t Au)					444	352.4	-55.7	55130
						504	353.7	-55.7	55420
						564	355.0	-55.3	55380
						626	356.4	-55.0	55140

SUMMARY LOG: MC12_4			ASSAY SUMMARY						
From	**To**	**Lithology**	**From**	**To**	**Meters**	**Au g/t**		**Zone**	
0.00	**5.15**	OVB							
5.15	**41.85**	Ultramafic Komatiite							
41.85	**55.80**	Mafic Syenite							
55.80	**59.20**	Altered Hematitic Feldspar Porphyry							
59.20	**75.40**	Mafic Syenite							
75.40	**82.50**	Syenite Porphyry							
82.50	**90.00**	Komatiite Carbonated Ultramafic							
90.00	**93.80**	Syenite Porphyry							
93.80	**97.40**	Carbonated Ultramafic							
97.40	**106.20**	Syenite Porphyry							
106.20	**125.60**	Komatiite							
125.60	**182.20**	Ultramafic							
182.20	**189.00**	Mafic Syenite							
189.00	**195.45**	Ultramafic							
195.45	**197.00**	Syenite Porphyry							
197.00	**203.10**	Mafic Syenite							
203.10	**220.90**	Syenite Porphyry							
220.90	**292.85**	Mafic Syenite							
292.85	**298.80**	Komatiite Ultramafic and Feldspar Porphyry							
298.80	**352.70**	Mafic Syenite							
352.70	**357.60**	Quartz Carbonate Vein Zone Altered Mafic Syenite							
357.60	**359.60**	Sheared Ultramafic							
359.60	**371.40**	Altered Syenite							
371.40	**378.30**	Mafic Syenite							
378.30	**383.40**	Altered Mafic Syenite							
383.40	**399.80**	Syenite Porphyry							
399.80	**419.00**	Mafic Syenite							
419.00	**452.00**	Syenite Porphyry Mafic Syenite							
452.00	**462.30**	Altered Syenite Porphyry							
462.30	**614.10**	Syenite Porphyry							
614.10	**669.80**	Mafic Syenite							
	669.80	EOH							

DESCRIPTION : Hole No. MC12_4													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
0.00	5.15	OVB											
		4.4-5.0											
		Brown clay sand mix.											
		5.0-5.15											
		Pink grey green coarse grained granodiorite boulder.											
		Casing to 9.0 m											
5.15	41.85	Ultramafic Komatiite											
		5.15-9.2											
		Dark green fine grained magnetic ankeritic ultramafic, broken core with pieces											
		5-50 cm wide, 10 cm wide talcose fault breccia rubble.											
		9.2-41.85											
		Dark black green magnetic fined grained polygonal jointed to massive ankeritic											
		komatiite flows with 50-5 m spinifex textured flow tops with spinifex blades 5-15 cm											
		long, 1-2% 1-10 mm white calcite veining, basal contacts of flows sometimes											
		marked by 0.5-1 cm wide talcose faults at 60 deg.											
41.85	55.80	Mafic Syenite											
		Dark grey green to dark red green nonmagnetic to weakly magnetic massive											
		medium grained mafic syenite with 1-2% finely disseminated hornblende,											
		trace disseminated pyrite, <1%, 1-10 mm white calcite +- quartz veining.											
55.80	59.20	Altered Hematitic Feldspar Porphyry	593355	54.8	55.8	1.0	<0.005				1		
		Brick red to red nonmagnetic silicified hematitic altered feldspar porphyry with	593356	55.8	56.3	0.5	<0.005				4	1	
		20-30%, 1-3 mm white anhedral to tabular feldspar phenocrysts in a fine grained	593357	56.3	57.2	0.9	0.006				3	1	
		hematitic altered syenite matrix, 1-2% finely disseminated black tourmaline,	593358	57.2	58.2	1.0	<0.005				3	1	
		1% finely disseminated pyrite, 1-3%, 0.1-1 cm wide white quartz calcite veining	593359	58.2	59.2	1.0	<0.005				3	1	
		at 30-80 deg, sharp dyke contacts at 40 deg.	593360	59.2	60.2	1.0	0.005						
59.20	75.40	Mafic Syenite											
		Red pink green grey strongly magnetic coarse grained massive mafic syenite,											
		1-2%, 0.1-1 cm wide white calcite quartz +- chlorite veining at 30-80 deg,											
		trace disseminated pyrite.											
75.40	82.50	Syenite Porphyry											
		Dark red to brick red weakly magnetic syenite porphyry with 75%, 1-3 mm white											
		anhedral and grey zoned tabular feldspar phenocrysts in fine grained hematitic											
		syenite matrix, wavy irregular contacts at 10-150 deg.											
82.50	90.00	Komatiite Carbonated Ultramafic											
		Green grey magnetic carbonated ultramafic and komatiite with poorly developed											
		light grey spinifex textures, 10-15%, 0.1-2 cm wide white ankerite calcite											
		carbonate veining at 30-70 deg, sharp lower contact at 60 deg.											

DESCRIPTION : Hole No. MC12_4													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
90.00	**93.80**	Syenite Porphyry											
		Dark maroon red weakly magnetic hematitic altered syenite porphyry with											
		70-80%, white and grey anhedral and tabular feldspar phenocrysts in a fine											
		grained hematitic chloritic syenite matrix, contacts at 60 deg, strongly magnetic											
		and 0.5% finely disseminated pyrite and 5 cm ultramafic inclusions											
		over lower 1.1 m											
93.80	**97.40**	Carbonated Ultramafic											
		Grey green magnetic ankeritic carbonated ultramafic, fractured / foliated											
		at 60-80 deg, 5-10% white ankerite calcite carbonated veining.											
		94.2-95.2											
		Black red brown magnetic biotitic lamprophyre dyke at 70 deg with trace pyrite.											
97.40	**106.20**	Syenite Porphyry											
		Dark brown maroon nonmagnetic calcitic hematitic altered syenite porphyry with											
		up to 75%, white and grey anhedral and tabular feldspar phenocrysts in a											
		fine grained hematitic possibly biotitic altered syenite matrix, porphyritic texture											
		well developed to poorly visible due to alteration, 1-2%, 1-5 mm white calcite											
		veining at 20-90 deg, sharp contacts at 70 deg.											
106.20	**125.60**	Komatiite											
		106.2-124.3											
		Grey green magnetic calcitic fine grained komatiite to carbonated ultramafic,											
		5-10% white ankerite calcite carbonate veining at 20-80 deg, locally 1-2 cm wide											
		carbonated veined faults at 0-20 deg.											
		124.3-125.6											
		Dark maroon hematitic calcitic altered syenite porphyry dyke as above											
		with very irregular but sharp contacts.											
125.60	**182.20**	Ultramafic											
		Dark black green grey green to olive green strongly magnetic ankeritic calcitic											
		talcose serpentinized fairly massive fine to medium grained ultramafic, locally											
		well developed polygonal texture eg 145-147 m, 1-3%, 0.1-2 cm white carbonate											
		veining at 30-60 deg, below 168 m stronger ankeritic alteration but still calcitic.											
		178.3-179.6											
		Strongly chloritic fractured at 5-10 deg.											
		179.6-180.25											
		Brown maroon hematitic biotitic chloritic altered syenite porphyry dyke at 70 deg.											
182.20	**189.00**	Mafic Syenite											
		Dark maroon green magnetic calcitic medium grained hematitic altered mafic											
		syenite, locally feldspar porphyritic with gradational contacts, 1-2%, 0.2-1 cm wide											
		white calcite +- quartz veining at 70 deg, upper contact at 20 deg, lower contact											
		not well defined.											
189.00	**195.45**	Ultramafic											
		Dark green to green ankeritic fine to medium grained serpentinized ultramafic,											
		fractured at 30-40 deg.											
		190.6-191.05											

DESCRIPTION : Hole No. MC12_4													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Red syenite porphyry dyke as above with irregular contacts.											
195.45	**197.00**	Syenite Porphyry											
		Red pink green magnetic syenite porphyry, sharp upper contact at 30 deg,											
		irregular lower contact.											
197.00	**203.10**	Mafic Syenite											
		Dark maroon green magnetic calcitic medium grained mafic syenite, hematitic											
		fractured at 60-70 deg, 10%, 1-10 mm wide vuggy white calcite veining											
		at 60-70 deg, very irregular lower contact.											
203.10	**220.90**	Syenite Porphyry											
		Pink grey green calcitic hematitic syenite porphyry with 85%, 1-3 mm white											
		anhedral and tabular feldspar phenocrysts in a fine grained hematitic chloritic											
		mafic syenite matrix, moderately chloritic and hematitic fractured at 50-70 deg,											
		1-3%, 0.1-2.5 cm irregular white calcite quartz veining at 50-70 deg.											
		alteration decreases below 217 m and porphyritic texture is not as prominent.											
		gradational lower contact.											
220.90	**292.85**	Mafic Syenite											
		Green grey nonmagnetic massive medium grained chloritic mafic syenite,											
		1-3%, 1-5 mm white calcite veining at 40-70 deg, weakly feldspar porphyritic											
		below 237.2 m.											
		237.9-238.55	593361	236.8	237.8	1.0	0.006				1	tr	
		Grey white pink brecciated quartz vein with 10% dark green chloritic breccia matrix	593362	237.8	238.6	0.8	0.094				60	1	
		1% medium grained pyrite in breccia matrix, very irregular upper contact with	593363	238.6	239.6	1.0	0.011				1	tr	
		3 cm rounded fragment in wallrocks, sharp lower contact at 35 deg marked											
		by 1 cm white calcite vein.											
		238.2-243.15, 248.55-263.7 and 284.5-292.85											
		Feldspar porphyritic with 10-15%, 1-3 mm white anhedral feldspar phenocrysts,											
		contacts sharp and jagged to poorly defined and gradational.											
292.85	**298.80**	Komatiite Ultramafic and Feldspar Porphyry											
		292.85-293.35											
		Dark green fine grained serpentinized ultramafic, upper contact at 50 deg,											
		lower contact at 80 deg.											
		293.35-296.8											
		Grey massive feldspar porphyritic mafic syenite with 10%, 1-2 mm pink white											
		feldspar phenocrysts.											
		296.8-298.8											
		Grey green fine grained komatiite with weakly developed spinifex textures											
		over 20 cm in middle of section, 5%, 1-10 cm irregular milky white barren quartz											
		veining, lower contact at 50 deg.											
298.80	**352.70**	Mafic Syenite											
		Green grey magnetic to weakly magnetic medium grained relatively massive											
		weakly chloritic mafic syenite, weakly feldspar porphyritic with 5-10%, 1-2 mm											
		green white anhedral feldspar phenocrysts, 5-10%, 0.1-2 cm wide white calcite											
		quartz veining at 60-80 deg.											

DESCRIPTION : Hole No. MC12_4													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
352.70	**357.60**	Quartz Carbonate Vein Zone Altered Mafic Syenite	593364	351.5	352.7	1.2	<0.005				2		
		352.7-354.4	593365	352.7	353.4	0.7	<0.005				15	tr	
		Red green weakly hematitic altered medium grained mafic syenite with 10%,	593366	353.4	354.4	1.0	<0.005				2	tr	
		1-10 cm wide white grey pink chloritic fractured quartz veins at 50 deg, 1%,	593367	354.4	355.1	0.7	0.008				5	tr	
		1-10 mm wide, red hematitic calcite veining at 50 deg, trace disseminated pyrite.	593368	355.1	355.9	0.8	0.005				15	tr	
		354.4-354.2	593369	355.9	356.6	0.7	<0.005	0.005			2	tr	
		Brick red to green red weakly silicified hematitic altered mafic syenite with 10%,	593370	356.6	357.6	1.0	0.006				3	tr	
		2-10 mm white ankerite quartz veining at 10-30 deg, 2%, 2-10 mm white ankerite											
		veining at 60-70 deg and 1% 2-5 mm wide late grey quartz veining at 120 deg,											
		trace finely disseminated pyrite, irregular upper contact at 10-20 deg, sharp lower											
		contact at 40 deg.											
		354.2-354.6											
		Contact zone with hematitic quartz carbonated veined altered syenite cutting											
		in and out of chloritic serpentinized ultramafic at low angles.											
357.60	**359.60**	Sheared Ultramafic	593371	357.6	358.6	1.0	<0.005				3		
		Grey green to dark green ankeritic chloritic serpentinized ultramafic, massive to	593372	358.6	359.6	1.0	<0.005				5		
		moderately foliated at 40 deg, sharp lower contact at 40 deg.											
359.60	**371.40**	Altered Syenite	593373	359.6	360.7	1.1	0.006						
		Beige pink grey and green ankeritic weakly sericitic finely brecciated to	593374	360.7	361.8	1.1	<0.005				1	tr	
		moderately foliated altered fine grained syenite with weak mylonitic rolled texture	593375	Blank			<0.005				10	tr	
		with weakly sericitic ankeritic breccia matrix, 5%, 5-15 cm wide pink weakly	593376	Au Std #16			1.325		NSS				
		silicified albitized bands parallel to moderate chloritic foliation at 30-40 deg,	593377	361.8	362.9	1.1	0.005				10	tr	
		1-5%, 1-2 cm white to light grey weakly boudinaged quartz veining parallel to	593378	362.9	363.7	0.8	0.011				3	tr	
		foliation, trace to 1% finely disseminated pyrite, gradational lower contact.	593379	363.7	364.5	0.8	<0.005				10	tr	
		365.45-365.55	593380	364.5	365.6	1.1	0.016				10	1	
		Broken crushed core chloritic fault zone at 50 deg.	593381	365.6	366.4	0.8	0.007	<0.005				1	
			593382	366.4	367.4	1.0	0.008				2	0.5	
			593383	367.4	368.4	1.0	0.007					1	
			593384	368.4	369.4	1.0	0.006				2	1	
			593385	369.4	370.4	1.0	0.021				2	1	
			593386	370.4	371.4	1.0	0.006					0.5	
371.40	**378.30**	Mafic Syenite	593387	371.4	372.4	1.0	0.005						
		Green to dark green massive medium grained chloritic altered mafic syenite,											
		1-3%, 1-3 mm white calcite veining at 50-70 deg.											
378.30	**383.40**	Altered Mafic Syenite	593388	378.3	379.3	1.0	0.045					tr	
		378.3-380.3	593389	379.3	380.3	1.0	0.013					tr	
		Pink and dark green more strongly chloritic altered mafic syenite, moderately	593390	380.3	381.4	1.1	0.038					tr	
		foliated at 25-35 deg, trace pyrite.	593391	381.4	382.4	1.0	0.1				2	1	
		380.3-383.4	593392	382.4	383.4	1.0	0.021				2	1	
		Pink grey and beige chloritic brecciated altered mafic syenite with weakly	593393	383.4	384.4	1.0	0.01						
		developed mylonitic texture with rounded feldspars in weakly sericitic breccia											
		matrix, weakly foliated at 30 deg over lower 40 cm, trace to 0.5% finely											
		disseminated pyrite.											

DESCRIPTION : Hole No. MC12_4													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
383.40	**399.80**	Syenite Porphyry											
		Pink grey and green syenite porphyry with 75-80%, 1-3 mm white to green white											
		anhedral to tabular feldspar phenocrysts in a fine to medium grained mafic											
		syenite, 1-3%, 0.2-1 cm wide white calcite +- quartz +- chlorite veining											
		at 40-70 deg, lower contact gradational defined by loss of porphyritic texture.											
399.80	**419.00**	Mafic Syenite											
		399.8-418.0											
		Pink grey to grey weakly magnetic massive fine to medium grained mafic syenite,											
		3-5%, 1-10 mm wide pink white calcite +-quartz veining at 50-70 deg.											
		418.0-419.0	593394	417.0	418.0	1.0	0.016				3		
		Dark green chloritic weakly brecciated section with poorly defined contacts,	593395	418.0	419.0	1.0	0.005				2	1	
		1% finely disseminated pyrite.	593396	419.0	420.0	1.0	0.005						
419.00	**452.00**	Syenite Porphyry Mafic Syenite											
		Dark grey magnetic to non magnetic syenite porphyry to mafic syenite with											
		no well defined contacts between the two, syenite porphyry with 70-80%, 1-3 mm											
		white to green white anhedral to tabular feldspar phenocrysts in a fine grained											
		chloritic mafic syenite matrix, mafic syenite fine grained chloritic and massive to	593397	450.0	451.0	1.0	0.026				2		
		weakly feldspar porphyritic with 5-10% feldspar phenocrysts, 1-2% 1-10 mm	593398	451.0	451.9	0.9	<0.005				5		
		white calcite veining at 30-70 deg.											
452.00	**462.30**	Altered Syenite Porphyry	593399	451.9	453.0	1.1	0.015				2	tr	
		Light grey to green beige nonmagnetic ankeritic weakly sericitic altered silicified	593400	Blank			0.007						
		syenite porphyry with 80%, 2-4 mm light grey silicified anhedral feldspar	593401	Au Std #16			1.425		1.59				
		phenocrysts in a fine grained chloritic sericitic biotitic altered matrix, feldspar	593402	453.0	454.1	1.1	0.007				1	tr	
		phenos are cracked with ankeritic breccia matrix, weak foliation fabric	593403	454.1	455.2	1.1	<0.005				2	tr	
		at 15-20 deg,1-2%, 1-10 mm wide white ankerite quartz veining at 0-20 deg with	593404	455.2	456.3	1.1	0.005				1	tr	
		chloritic vein contacts and 2-5 mm pink beige altered wallrocks, trace	593405	456.3	457.3	1.0	0.011				3	tr	
		disseminated pyrite, 1% 1-2 cm wide later light grey quartz veining at 60-15 deg,	593406	457.3	458.3	1.0	<0.005				5	tr	
		upper contact marked by green chloritic "break" at 30-40 deg, upper 1 m is	593407	458.3	459.3	1.0	<0.005				3	tr	
		hematitic and more chloritic altered, sharp lower contact marked by chloritic	593408	459.3	460.3	1.0	0.008				3	tr	
		slips at 60 deg.	593409	460.3	461.3	1.0	0.016				2	tr	
			593410	461.3	462.3	1.0	<0.005				3	tr	
			593411	462.3	463.3	1.0	<0.005				1		
462.30	**614.10**	Syenite Porphyry											
		Dark grey nonmagnetic to weakly magnetic weakly calcitic syenite porphyry											
		with 80%, 2-4 mm white grey and green grey zoned anhedral to euhedral tabular											
		feldspar phenocrysts in a chloritic biotitic hornblende mafic syenite matrix,											
		1% 1-5 mm wide white calcite veining at 30-80 deg. some section 1-3 m wide have											
		10-15% feldspar phenocrysts, below 500 m very weak hematitic alteration of											
		feldspars, intruded by 103.2 m chloritic calcitic mafic dykes.											
		511.5-512.4											
		Dark black green magnetic fine grained chloritic mafic dyke at 20 deg											
		526.0-529.2											
		Dark green black magnetic fine grained calcitic chloritic mafic dyke, upper contact											
		at 50 deg, lower contact at 30 deg, 1-5% irregular calcite veining at 40-60 deg.											

DESCRIPTION : Hole No. MC12_4													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		527.5-528.2											
		Shear zone moderately foliated at 35 deg with chloritic fault gouge along some											
		foliation planes.											
		548.55-549.25											
		Black green calcitic chloritic mafic dyke with weakly foliated contacts at 40 deg.											
		604.9-614.1											
		Contact zone feldspar phenocrysts become smaller les than 2 mm, abrupt											
		upper contact, sharp lower contact at 25 deg.											
614.10	**669.80**	Mafic Syenite											
		Green grey magnetic massive calcitic chloritic fine to medium grained mafic											
		syenite, 1-3%, 1-10 mm wide pink white calcite veins at 40-80 deg, weakly											
		feldspar porphyritic to 642.4 m.											
		652.45-652.50											
		Chloritic fault at 25 deg with 70%, fractured pink white quartz calcite veining.											
		667.2-667.8	593412	666.2	667.2	1.0	0.006	0.008			1		
		Chloritic fault zone at 30 deg with 40% pink grey white chloritic calcitic fractured	593413	667.2	667.8	0.6	0.027				50	tr	
		quartz veining, 10% pink white calcite veining, trace fine grained pyrite	593414	667.8	668.8	1.0	0.043				3	tr	
		in chloritic fractures.	593415	668.8	669.8	1.0	0.084				1	tr	90%rec
		667.8-669.8											
		Red green magnetic to non magnetic medium grained calcitic hematitic chloritic											
		fractured mafic syenite, fractures at 30-0 deg with trace medium grained pyrite											
		cubes, appear above fault zone in close to cutting in and out of core.											
	669.80	EOH											
		Casing left in hole											

PROPERTY: Murdoch Creek- Teck A and AK			HOLE NUMBER: MC12_5						
Province:	Ontario	**DATE LOGGED:**	**Grid E**	89+00	**Method**	**Depth**	**Az corr.**	**Dip**	**Mag**
Township	Teck	**LOGGED BY:** Wayne Benham	**Grid N**	86+00		0	340	-58.0	
Started:	22-Aug-12	**DRILLED BY:** Cabo Drilling Ontario Corp.	**UTM E:**	571499	REFLEX	21	337.1	-55.2	55730
Completed:	04-Sep-12	**UNITS:** Metres	**UTM N:**	5330021		81	340.2	-54.2	55470
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	282		141	342.8	-53.6	54610
			Length:	543.0		201	338.8	-53.4	54870
						261	343.8	-53.6	55780
PURPOSE:	To test Inversion IP chargeability anomaly 88 E to 91 E at 88 N.					321	347.3	-53.5	55600
						381	347.7	-53.1	55400
COMMENTS:	Sample Numbers 593416-593493 inclusive, 78 sawn 1/2 core samples 3 Blank samples and					441	351.2	-52.9	26700
	3 Au Standards #16 samples (SH 55 1.375 g/t Au).					501	351.4	-53.1	55450

SUMMARY LOG: MC12_5			ASSAY SUMMARY						
From	**To**	**Lithology**	**From**	**To**	**Meters**	**Au g/t**		**Zone**	
0.00	**4.50**	OVB							
4.50	**14.50**	Chloritic Mafic Syenite							
14.50	**59.70**	Altered Sericitic Syenite							
59.70	**84.15**	Mafic Syenite							
84.15	**88.15**	Basalt							
88.15	**97.25**	Feldspar Porphyry							
97.25	**125.50**	Ultramafics and Altered Feldspar Porphyry							
125.50	**131.60**	Ultramafic							
131.60	**142.00**	Feldspar Porphyry							
142.00	**172.90**	Mafic Syenite							
172.90	**181.65**	Komatiite							
181.65	**185.90**	Mafic Syenite							
185.90	**205.30**	Ultramafic and Komatiite							
205.30	**288.90**	Mafic Syenite Feldspar Porphyry							
288.90	**308.20**	Pyroxenite							
308.20	**327.70**	Mafic Syenite							
327.70	**393.20**	Feldspar Porphyry Mafic Syenite							
393.20	**401.40**	Mafic Syenite							
401.40	**419.50**	Feldspar Porphyry							
419.50	**432.80**	Lamprophyre Dykes Feldspar Porphyry							
432.80	**454.70**	Mafic Syenite and Feldspar Porphyry							
454.70	**470.20**	Mafic Syenite							
470.20	**489.85**	Feldspar Porphyry Mafic Syenite							
489.85	**501.00**	Carbonated Ultramafic							
501.00	**514.80**	Feldspar Porphyry Ultramafic							
514.80	**531.40**	Ultramafic							
531.40	**543.00**	Komatiite							
	543.00	EOH							

DESCRIPTION : Hole No. MC12_5													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
0.00	4.50	OVB											
		Casing to 6 m.											
4.50	14.50	Chloritic Mafic Syenite											
		Dark green grey with white 1-3 mm blotches of calcite, nonmagnetic chloritic											
		altered medium grained mafic syenite, protolith not certain, massive to											
		weakly foliated at 30-40 deg, 5%, 1-5 mm wide white quartz ankerite veining											
		at 20-60 deg, lower contact marked by sericitic slip at 40 deg and defined by distinct											
		colour change due to change in alteration style.											
14.50	59.70	Altered Sericitic Syenite	593416	12.5	13.5	1.0	<0.005				15		
		14.5-30.5	593417	13.5	14.5	1.0	0.038				10		
		Light beige grey to grey and green grey, nonmagnetic ankeritic fine to medium	593418	14.5	15.5	1.0	0.03				10	1	
		grained weakly sericitic altered syenite with off-white ankeritic matrix with light grey	593419	15.5	16.5	1.0	0.022				5	0.5	
		weakly silicified feldspars with very weakly developed mylonitic textures, massive	593420	16.5	17.5	1.0	0.009				5	0.5	
		to weakly foliated at 30 deg in green grey more chloritic sections, 5-20%, white	593421	17.5	18.5	1.0	0.033				10	1	
		to grey 1-10 mm wide ankerite quartz veining at 30-40 deg, 0.5-1%, fine grained	593422	18.5	19.5	1.0	0.053				15	2	
		finely disseminated pyrite in ankeritic matrix.	593423	19.5	20.5	1.0	0.074				10	1	
		30.5-36.9	593424	20.5	21.5	1.0	0.056				15	1	
		Dark grey and off-white to grey ankeritic chloritic silicified altered medium grained	593425	Blank			<0.005						
		syenite with 20-40%, 1-20 cm wide white off-white grey quartz ankerite veining	593426	Au Standard # 16			1.365		1.4				
		at 30-40 deg, veining is finely brecciated with ankeritic breccia matrix,	593427	21.5	22.5	1.0	0.054				10	2	
		1% medium grained pyrite in chloritic fractures in veining and disseminated in	593428	22.5	23.5	1.0	0.039				5	0.5	
		the host rock, trace to 0.5% finely disseminated pyrite along sericitic slick-in-sides	593429	23.5	24.5	1.0	0.016	0.026			5	0.5	
		at 40 deg and finely disseminated in host rock and veining, contacts are	593430	24.5	25.5	1.0	0.012				5	0.5	
		gradational defined by veining, silicification and medium grained pyrite.	593431	25.5	26.5	1.0	<0.005				3	tr	
		36.9-58.6	593432	26.5	27.0	0.5	<0.005				5	tr	
		Pink beige light grey and grey nonmagnetic ankeritic sericitic altered syenite,	593433	27.0	28.0	1.0	0.133				10	1	
		similar to 14.5-30.5 m but weakly hematitic and less ankerite quartz veining and	593434	28.0	29.0	1.0	0.009				10	1	
		pyrite, 3-15% white grey quartz ankerite veining at 10-40 deg, trace to 1% fine	593435	29.0	29.8	0.8	0.011				15	1	
		grained finely disseminated pyrite, ankeritic breccia matrix were more strongly	593436	29.8	30.5	0.7	0.015				3	tr	
		altered and pyritic, massive to moderately chloritic fractured at 30-60 deg with beige	593437	30.5	31.5	1.0	0.052				20	1	
		sericitic altered wallrocks over 2-5 mm.	593438	31.5	32.5	1.0	0.036				30	1	
		58.6-59.7	593439	32.5	33.5	1.0	0.009				40	1.5	
		Pink grey green sericitic chloritic ankeritic altered contact zone with 15%, 1-3 cm	593440	33.5	34.5	1.0	0.016				40	1.5	
		wide pink grey finely brecciated quartz ankerite veining at 40-60 deg, 1% fine	593441	34.5	35.5	1.0	0.085				30	1.5	
		grained disseminated pyrite, sharp lower contact at 60 deg.	593442	35.5	36.1	0.6	0.133				30	1.5	
			593443	36.1	36.9	0.8	0.016				35	1.5	
			593444	36.9	37.9	1.0	0.013				5	0.5	
			593445	37.9	38.9	1.0	0.013				5	tr	
			593446	38.9	40.0	1.1	0.04				5	0.5	
			593447	40.0	41.0	1.0	0.009				3	tr	
			593448	41.0	42.0	1.0	0.05				1	tr	
			593449	42.0	43.0	1.0	0.008				5	tr	
			593450	Blank			<0.005						
			593451	Au Standard # 16			1.35		1.49				
			593452	43.0	44.0	1.0	0.032				1	tr	
			593453	44.0	45.0	1.0	0.108				10	1	
			593454	45.0	46.0	1.0	0.04				3	0.5	

DESCRIPTION : Hole No. MC12_5													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
			593455	46.0	47.0	1.0	0.014				3	0.5	
			593456	47.0	48.0	1.0	0.08				5	1	
			593457	48.0	49.0	1.0	0.049				3	tr	
			593458	49.0	50.0	1.0	<0.005				3	tr	
			593459	50.0	51.0	1.0	0.03				5	tr	
			593460	51.0	52.0	1.0	<0.005				5	0.5	
			593461	52.0	53.1	1.1	0.016				15	1	
			593462	53.1	54.0	0.9	0.009				1	tr	
			593463	54.0	55.0	1.0	0.008					tr	
			593464	55.0	56.0	1.0	0.029					tr	
			593465	56.0	56.9	0.9	0.018					tr	
			593466	56.9	57.7	0.8	0.351				5	1	
			593467	57.7	58.6	0.9	<0.005	<0.005			1	tr	
			593468	58.6	59.7	1.1	0.01				15	1	
			593469	59.7	60.7	1.0	<0.005				1		
59.70	**84.15**	Mafic Syenite											
		Dark grey and pink red weakly magnetic to magnetic calcitic medium grained											
		massive mafic syenite with pink red altered feldspars, 3-10%, 1-10 mm white and											
		75.9-77.0	593470	75.9	77.0	1.1	0.104				15	tr	
		Dark chloritic basalt or mafic dyke at 30 deg, lower contact marked by grey white											
		brecciated quartz vein, disseminated medium grained pyrite over 10 cm in											
		wallrocks, 3%, 0.5-1.5 cm grey quartz veining in chloritic wallrocks to 81.0 m											
84.15	**88.15**	Basalt											
		Dark green magnetic ankeritic calcitic fine grained massive basalt at 20 deg,											
		1%, 1-5 mm wide, calcite veining.											
88.15	**97.25**	Feldspar Porphyry											
		Dark grey magnetic calcitic feldspar porphyry with 85% 1-2 mm white anhedral											
		and a few tabular feldspar phenocrysts in a green grey chloritic mafic syenite											
		matrix, 1-2%, 0.2-1 cm white calcite quartz veining at 30-80 deg.											
97.25	**125.50**	Ultramafics and Altered Feldspar Porphyry											
		97.25-112.0											
		A mix of dark black green serpentinized ultramafic and pink white red green											
		hematitic altered feldspar porphyry approx 40/60 ratio, it appears that the											
		ultramafic has intruded the porphyry because there are very poorly defined											
		finer grained boundaries for the ultramafic rock, both rocks are magnetic and											
		calcitic, 1-2%, 1-10 mm white quartz calcite veining at 30 deg, sharp upper											
		contact at 30 deg, lower contact at 40 deg.											
		112.0-125.5	593471	112.0	113.0	1.0	0.052				2		
		Similar to above except the feldspar porphyry is salmon red to pink strongly	593472	113.0	114.0	1.0	0.02				3		
		hematitic and silicified with the porphyritic textures destroyed, trace pyrite in	593473	114.0	115.0	1.0	0.025				3		
		altered porphyry.	593474	115.0	116.0	1.0	0.01				2		
			593475	Blank			<0.005						
			593476	Au Standard # 16			1.51		1.44				
			593477	116.0	117.0	1.0	0.008				2	tr	

DESCRIPTION : Hole No. MC12_5													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
			593478	120.4	121.1	0.7	0.005				8	tr	
			593479	121.1	122.1	1.0	0.013				10	tr	
			593480	122.1	123.1	1.0	0.015				5	tr	
125.50	**131.60**	Ultramafic											
		Dark black green strongly magnetic fine grained talcose serpentinized											
		ultramafic with talcose fault slips at 30-40 deg, 1%, 1-5 mm carbonate veining											
		parallel to faults, very irregular upper contact at 5-10 deg over 50 cm,											
		lower contact at 40 deg, RQD 15%.											
131.60	**142.00**	Feldspar Porphyry											
		Grey to pink grey magnetic calcitic feldspar porphyry with 70%, 1-2 mm anhedral											
		white feldspar phenocrysts in a chloritic mafic syenite matrix, trace disseminated											
		biotite, jagged lower contact.											
142.00	**172.90**	Mafic Syenite											
		Dark green with grey feldspar mottling, magnetic calcite biotitic massive medium											
		grained mafic syenite with 1-2% black bladed hornblende phenocrysts.											
		163.2-164.4	593481	163.2	164.4	1.2	0.011					1	
		Brown red nonmagnetic hematitic silicified altered feldspar porphyry dyke											
		with 1% finely disseminated pyrite, sharp upper contact at 70 deg, jagged											
		irregular lower contact, pervasive calcite alteration.											
172.90	**181.65**	Komatiite											
		Grey green to dark green strongly magnetic calcitic komattite with well developed											
		dark bladed spinifex texture blades up to 20 cm long and black green medium											
		grained massive komatiite, broken upper contact, irregular lower contact,											
		3-5 cm wide light green grey fragmented flow top texture over lower 30 cm.											
181.65	**185.90**	Mafic Syenite											
		Dark green grey magnetic calcitic biotitic massive mafic syenite with 1% black											
		hornblende phenocrysts.											
185.90	**205.30**	Ultramafic and Komatiite											
		185.9-198.2											
		Black strongly magnetic fine grained serpentinized ultramafic with polygonal jointing											
		and flow top light grey breccia, 5-10% 0.203 cm white irregular calcite veining.											
		198.2-205.3											
		Dark green and grey magnetic komatiite with spinifex textures and flow top breccia,											
		sharp lower contact at 20 deg.											
205.30	**288.90**	Mafic Syenite Feldspar Porphyry											
		Green grey and pink red grey magnetic calcitic medium grained mafic syenite,											
		feldspar porphyritic to 209.5 with 80-65% 1-2 mm white anhedral to tabular											
		feldspar phenocrysts in chloritic mafic syenite matrix.											
		216.7-221.2, 224.2-2-226.7, 238.8-240.8 and 263.5-267.3											
		Zones with increase in feldspar phenocryst content, contacts gradational											

DESCRIPTION : Hole No. MC12_5													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		226.7-228.0											
		Dark green chloritic basalt or mafic dyke lower contact by 40 cm of chloritic											
		fault rubble.											
		260.8-261.15											
		Dark green chloritic mafic dyke, weakly foliated at 35 deg.											
		267.3-276.0											
		Red green grey weakly magnetic to nonmagnetic calcitic weakly hematitic											
		altered mafic syenite, weakly chloritic fractured at 30-40 deg.											
		276.0-280.45	593482	276.0	276.9	0.9	0.015				3	tr	
		Dark green and red strongly magnetic chloritic hematitic altered syenite, very	593483	276.9	277.9	1.0	<0.005				3	tr	
		coarse grained 277.9-280.9 m, 3-5%, 0.2-5 cm grey white quartz calcite veins	593484	277.9	278.9	1.0	<0.005				2	1	
		at 30-80 deg, trace to 1% disseminated pyrite cubes.	593485	278.9	279.7	0.8	0.124				3	tr	
			593486	279.7	280.5	0.8	0.005				15	tr	
288.90	**308.20**	Pyroxenite											
		288.9-294.9	593487	289.6	290.6	1.0	0.141				20	tr	
		A mix of feldspar porphyry and mafic syenite intruded by dark green magnetic											
		chloritic mafic intrusive, syenite is fragmented by mafic intrusion.											
		290.0-290.6											
		Dark green chloritic nonmagnetic, 20%, 1-3 cm grey quartz white calcite											
		veining parallel to moderate foliation at 40 deg, trace pyrite.											
		294.9-308.2											
		Green to dark green weakly magnetic calcitic pyroxenite with 15%, 2-3 mm											
		dark green altered subhedral pyroxene in a fine to medium grained green grey											
		feldspar matrix, fine grained from 306.9 to lower contact at 25 deg.											
308.20	**327.70**	Mafic Syenite											
		308.2-319.7											
		Green grey with pink tinge, magnetic calcitic fine to medium grained chloritic											
		massive mafic syenite, 1-2%, 1-3 cm wide irregular white calcite veining.											
		319.7-326.7											
		Grey green to pink grey magnetic calcitic coarse grained syenite to feldspar											
		porphyry, 2-3%, 2-10 mm wide, white irregular calcite veining.											
		326.7-327.7	593488	326.7	327.7	1.0	0.011				5	tr	
		Red and dark green calcitic foliated section at 40 deg with 45%, 0.2-2 cm wide											
		hematitic drag-folded boudinaged fine grained veining and 5%, 1-10 mm wide											
		white grey calcite quartz veining parallel to foliation, 0.5% finely disseminated											
		pyrite along contacts of hematitic bands.											
327.70	**393.20**	Feldspar Porphyry Mafic Syenite											
		327.7-333.6											
		Pink grey nonmagnetic to weakly magnetic calcitic feldspar porphyry with 70-80%											
		2-3 mm white grey feldspars in fine grained chloritic mafic syenite matrix,											
		feldspar phenocrysts appear to be pitted with calcite.											
		333.6-392.8											
		Pink green grey nonmagnetic calcitic weakly hematitic chloritic altered feldspar											
		porphyry and mafic syenite, <1%, 0.2-2 cm wide pink white grey calcite quartz											
		veining, some 2-8 m sections the porphyritic texture is not as well defined.	593489	380.0	381.0	1.0	<0.005						

DESCRIPTION : Hole No. MC12_5													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		381.0-381.9	593490	381.0	381.9	0.9	0.016				20	tr	
		20%, 2-4 cm wide grey fragmented quartz veining at 20 deg with chloritic fractures	593491	381.9	382.9	1.0	<0.005				1		
		trace disseminated pyrite in host rock, 2-3% veining to 385.0 m.	593492	382.9	383.9	1.0	<0.005				3		
		392.8-393.2	593493	383.9	385.0	1.1	<0.005				2		
		Olive green calcitic mafic dyke foliated at 30 deg.											
393.20	**401.40**	Mafic Syenite											
		Dark green to reddish green nonmagnetic, calcitic massive medium to coarse											
		grained chloritic mafic syenite with 1-3 m sections of feldspar porphyry with											
		gradational contacts.											
		394.85-395.1 and 401.15-401.25											
		Olive green to green calcitic mafic dykes weakly foliated at 30 and 70 deg.											
401.40	**419.50**	Feldspar Porphyry											
		Dark green grey pink grey and grey nonmagnetic calcitic feldspar porphyry											
		with 60-75%, 2-4 mm grey anhedral and tabular feldspar phenocrysts in a											
		medium grained chloritic mafic syenite matrix, 1-3%, 1-10 mm white grey											
		calcite quartz veining at 20-80 deg.											
419.50	**432.80**	Lamprophyre Dykes Feldspar Porphyry											
		60%, 20-50 cm wide, black fine grained ankeritic biotitic diabase or lamprophyre											
		dykes at 25-80 deg intruding calcitic feldspar porphyry as above, 2% calcite											
		veining, trace pyrite in dykes.											
432.80	**454.70**	Mafic Syenite and Feldspar Porphyry											
		A 50/50 mix of feldspar porphyry and green pink grey nonmagnetic calcitic											
		massive medium grained chloritic mafic syenite.											
		449.1-451.4											
		More chloritic and weakly foliated at 25 deg.											
454.70	**470.20**	Mafic Syenite											
		Dark green grey nonmagnetic calcitic chloritic mafic syenite with 1% scattered											
		grey white feldspar phenocrysts, 3%, 1-10 mm wide irregular calcite veining.											
		469.0-470.2											
		Dark grey fine to medium grained strongly magnetic calcitic diabase dyke at 30 deg.											
470.20	**489.85**	Feldspar Porphyry Mafic Syenite											
		Dark green grey to reddish grey nonmagnetic calcitic feldspar porphyry with											
		10-80%, 2-4 mm greenish white grey anhedral and tabular feldspar phenocrysts											
		in a fine to medium grained chloritic weakly hematitic altered mafic syenite matrix,											
		from 473.8-482.5 m, < 5% phenos more chloritic mafic syenite but no distinct											
		contacts, 1-2%, 1-5 mm calcite chlorite veining at 20-50 deg, trace pyrite,											
		sharp lower contact at 60 deg.											
489.85	**501.00**	Carbonated Ultramafic											
		489.85-494.4											
		Dark green to grey green magnetic ankeritic serpentinized fine grained relatively											
		massive ultramafic with 3% ankerite calcite veining at 5-40 deg.											

DESCRIPTION : Hole No. MC12_5													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		494.4-496.6											
		Green grey strongly magnetic ankeritic talcose carbonated ultramafic with 15-20%											
		1-10 mm ankerite veining parallel to moderate foliation at 5-20 deg.											
		496.6-497.0											
		Chloritic fault breccia at 40 deg.											
		497.0-500.0											
		Brown grey magnetic medium grained weakly hematitic altered fractured mafic											
		syenite with 30% 20-30 cm wide ultramafic inclusions, broken core RQD 0%.											
		500.0-501.0											
		Dark green nonmagnetic drag-folded ultramafic with 2-5 cm fold donut textures,											
		contact with feldspar porphyry at 30-0 deg over 25 cm.											
501.00	**514.80**	Feldspar Porphyry Ultramafic											
		Red grey nonmagnetic calcitic weakly hematitic altered feldspar porphyry with											
		75-85%, 2-5 mm greenish grey anhedral to euhedral feldspar phenocrysts in a											
		chloritic mafic syenite matrix, 4.4 m section of ultramafic as listed below.											
		505.6-510.0											
		Dark green magnetic ankeritic serpentinized fine grained carbonated ultramafic											
		at 20-10 deg, 15%, 1-15 mm wide, white carbonate veining at 10-20 deg, some											
		veins have chloritic fault contacts.											
514.80	**531.40**	Ultramafic											
		Dark green to grey nonmagnetic to weakly magnetic ankeritic fine to medium											
		grained serpentinized and chloritic ultramafic, massive to polygonal jointing,											
		fractured at 10-25 deg, unit intruded by 10-50 cm wide, red brown to green											
		hematitic to chloritic feldspar porphyry dykes, sharp upper contact at 30 deg											
		marked by chloritic fault slip, lower contact interfingered with unit below.											
		518.15-518.50											
		Chloritic fault zone at 15 deg.											
531.40	**543.00**	Komatiite											
		Green grey to green medium grained strongly magnetic to magnetic ankeritic											
		fine to medium grained komatiite flow with spinifex textured flow tops over 40 cm,											
		brecciated and fractured with dark green fine grained ultramafic breccia matrix,											
		chloritic fractured at 20-30 deg, RQD 20%, , 2-5%, 0.2-1.5 cm white calcite											
		veining at 30 deg.											
	543.00	EOH											
		Casing left in hole.											

PROPERTY: Murdoch Creek- Teck A and AK			HOLE NUMBER: MC12_6						
Province:	Ontario	**DATE LOGGED:** Sept18-Oct 3 and Nov 7-14, 2012	**Grid E**	94+00	**Method**	**Depth**	**Az corr.**	**Dip**	**Mag**
Township	Teck	**LOGGED BY:** Wayne Benham	**Grid N**	92+11		0	340	-60.0	
Started:	18-Sep-12	**DRILLED BY:** Cabo Drilling Ontario Corp.	**UTM E:**	571737	REFLEX	20	345.9	-58.8	57890
Completed:	31-Oct-12	**UNITS:** Metres	**UTM N:**	5330769		77	338.3	-58.6	54290
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	286		137	290.8	-59.3	17090
			Length:	1,392.3		197	340.0	-59.2	54590
						257	341.7	-59.8	54630
PURPOSE:	To test magnetic and IP anomalies and Larder Lake Deformation Zone					317	340.0	-60.1	55620
						377	340.4	-59.5	55650
COMMENTS:	Sample Numbers 593609-594000 inclusive and 419851-419958 inclusive, 460 sawn 1/2 core samples					437	341.0	-59.3	56660
	20 Blank samples and 20 Au Standards #20 samples (OxG98 1.017 g/t Au).					497	337.1	-58.3	56330
						557	336.9	-56.7	56010
						617	343.1	-52.5	16620
						677	338.5	-49.3	56190
						737	337.4	-38.8	56080
						797	336.3	-34.3	55640
						857	331.0	-31.7	55950
						917	331.3	-30.3	56130
						977	331.5	-29.5	56000
						1037	335.3	-28.3	56640
						1097	336.4	27.2	56020
						1157	338.7	-25.4	55550
						1217	338.3	-24.7	55340
						1277	337.0	-23.1	54920
						1337	341.0	-22.7	55780
						1392	342.1	-22.1	55980

SUMMARY LOG: MC12_6			ASSAY SUMMARY					
From	**To**	**Lithology**	**From**	**To**	**Meters**	**Au g/t**		**Zone**
0.00	**2.70**	OVB						
2.70	**7.50**	Komattitic Basalt						
7.50	**19.20**	Komatiite Ultramafic						
19.20	**20.00**	Fault zone						
20.00	**28.60**	Komatiite Ultramafic						
28.60	**31.80**	Lamprophyre Dyke						
31.80	**119.70**	Komatiite						
119.70	**130.00**	Fault Zone						
130.00	**138.20**	Komatiite						
138.20	**152.90**	Ultramafic						
152.90	**156.90**	Diabase						
156.90	**263.50**	Ultramafic						
263.50	**264.70**	Felsite Dyke						
264.70	**293.35**	Ultramafic						
293.35	**297.20**	Ultramafic Tuff / Altered Mafic Tuff						
297.20	**331.90**	Ultramafic Breccia						
331.90	**339.30**	Lamprophyre Dyke						

DESCRIPTION : Hole No. MC12_6														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
0.00	2.70	OVB											
		Casing to 3 m, one 0.5 m wide pink grey feldspar porphyritic syenite boulder.											
2.70	7.50	Komattitic Basalt											
		Green grey nonmagnetic ankeritic massive fine to medium grained komattitic											
		basalt, brecciated lower contact.											
7.50	19.20	Komatiite Ultramafic											
		Grey olive green and dark black green strongly magnetic to weakly magnetic											
		ankeritic ultramafic flows with 0.5-1.5 m fine to medium grained massive											
		komattite flows and 1-2 mm aphanitic serpentized ultramafic flows, weakly											
		fractured at 30-40 deg.											
19.20	20.00	Fault zone											
		Green white grey talcose fault breccia, upper contact at 15 deg, lower contact											
		ground.											
20.00	28.60	Komatiite Ultramafic											
		Grey olive green medium grained massive komatiite and fine grained serpentized											
		ultramafic volcanic flows and flow breccias, ankeritic, moderately fractured											
		at 5-40 deg, RQD 50%,											
28.60	31.80	Lamprophyre Dyke											
		Green white and black green massive medium grained biotitic calcitic massive											
		lamprophyre dyke, brecciated serpentized upper contact at 40 deg, sharp lower											
		contact at 60 deg.											
31.80	119.70	Komatiite											
		31.8-38.5											
		Grey olive green medium grained massive komatiite and fine grained serpentized											
		ultramafic volcanic flows and flow breccias, ankeritic, moderately fractured											
		at 5-40 deg, RQD 50%,											
		32.6-33.6											
		Light grey green talcose fault zone at 10-25 deg, broken core fault gouge on slips.											
		38.5-75.8											
		Dark green fine medium grained ankeritic strongly magnetic 1-2 m massive											
		komatiite flows with 0.5-1.5 m wide strongly magnetic ankeritic dark green bladed											
		textured spinifex flow tops, serpentinized shear fractures with trace smeared pyrite											
		at 20-45 deg, RQD 65%.											
		75.8-93.6											
		Grey to dark green strongly magnetic ankeritic massive fine grained komatiite											
		with no spinifex textured flow tops, serpentinized fracture slips at 30-70 deg.											
		93.6-119.7											
		Green grey to dark green strongly magnetic ankeritic komatiite flows with spinifex											
		textured flow tops 1-5 m thick, e.g. 99-104 m, tops in the down hole direction,											
		spinifex blades up to 30 cm long.											
119.70	130.00	Fault Zone											
		Dark black green strongly magnetic ankeritic serpentized brecciated ultramafic,											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		shear slips at 20-70 deg, sharp upper and lower contacts at 50 deg.											
		126.4-126.5											
		Fault at 20 deg with talcose breccia matrix.											
130.00	**138.20**	Komatiite											
		Dark grey green to black green strongly magnetic ankeritic komatiite flows with											
		1-2 m thick stubby short black short bladed spinifex textured flow tops, sharp											
		lower contact at 30 deg mark by talc ankerite vein 5 mm wide.											
138.20	**152.90**	Ultramafic											
		Dark grey black green strongly magnetic ankeritic fine grained serpentinized											
		ultramafic flow with white ankerite talc rimmed polygon joints.											
152.90	**156.90**	Diabase											
		Dark olive green magnetic calcitic fine to medium grained massive diabase dyke,											
		contacts at 40 deg.											
156.90	**263.50**	Ultramafic											
		156.9-170.0											
		Dark grey black green strongly magnetic ankeritic fine grained serpentinized											
		ultramafic flow with white ankerite talc rimmed polygon joints.											
		170.0-219.9											
		Dark green to dark grey strongly magnetic ankeritic more massive ultramafic,											
		scattered serpentinized and talcose shear slips at 30-70 deg, locally brecciated											
		over widths of 0.5-30 cm at 30-50 deg.											
		173.70-173.75 and 174.05-174.3											
		Serpentinized talcose fault breccias at 50-20 deg.											
		219.9-242.0											
		Similar to above section but more fractured and brecciated with 40-90 cm wide											
		serpentized talcose fault breccia zones at 20-30 deg.											
		219.9-220.3, 221.2-222.0, 224.4-225.3 and 231.8-232.5											
		Fault breccia zones at 20-30 deg.											
		242.0-263.5											
		Dark grey black green strongly magnetic ankeritic fine grained serpentinized											
		ultramafic flow with white ankerite talc rimmed polygon joints.											
263.50	**264.70**	Felsite Dyke	593609	262.5	263.5	1.0	<0.005	<0.005			1		
		Light pink grey siliceous brecciated felsite dyke with 5%, 0.5-1 mm black chlorite	593610	263.5	264.10	0.6	<0.005				1	0.5	
		breccia matrix, 1%, 1-2 mm white calcite veining in fractures, 0.5% medium	593611	264.1	264.70	0.6	<0.005				1	0.5	
		grained pyrite cubes in breccia matrix., sharp upper contact at 60 deg,	593612	264.7	265.70	1.0	<0.005						
		lower contact at 55 deg, dyke darker grey and baked over lower 30 cm.											
264.70	**293.35**	Ultramafic											
		264.7-273.8											
		Dark grey and dark green strongly magnetic ankeritic massive to polygon jointed											
		ultramafic volcanics.											
		273.8-275.85											
		Magnetic ultramafic volcanics intruded by 3 (50%0 10-65 m wide olive green											
		nonmagnetic calcitic fine grained biotitic mafic to ultramafic dykes at 50-60 deg.											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		275.85-293.35											
		Dark grey to black green strongly magnetic ankeritic serpentinized talcose											
		fine grained ultramafic, massive to moderately fractured at 10-30 deg, very soft											
		277.75-278.00 and 292.0-293.0											
		Ground core sections.											
293.35	**297.20**	Ultramafic Tuff / Altered Mafic Tuff											
		Olive green magnetic ankeritic fine grained gritty ultramafic tuff or altered mafic tuff											
		massive to foliated at 30 deg, contacts at 30 deg, interflow unit.											
297.20	**331.90**	Ultramafic Breccia											
		Dark grey green and black green strongly magnetic ankeritic brecciated ultramafic											
		with 1-5 cm lozenge shaped weakly stretched ultramafic fragments in a black green											
		serpentized ultramafic breccia matrix, weak foliation at 0-30 deg.											
331.90	**339.30**	Lamprophyre Dyke											
		Brown black nonmagnetic weakly calcitic medium to coarse grained massive											
		biotitic lamprophyre dyke, upper contact marked by 3 mm fault gouge at 25 deg,											
		lower contact at 20 deg, 1-2% irregular calcite veining.											
339.30	**391.30**	Ultramafic Breccia											
		339.3-361.5											
		Dark grey green and black green nonmagnetic to weakly magnetic weakly											
		brecciated to massive ankeritic ultramafic.											
		341.0-343.1, 345.1-347.2											
		Brown black nonmagnetic massive coarse grained lamprophyre dykes with											
		jagged irregular contacts.											
		361.5-363.35											
		Brown black green nonmagnetic ankeritic biotitic moderately foliated to											
		brecciated ultramafic, foliation at 20-30 deg.											
		363.35-382.5											
		Dark grey and black green strongly magnetic ankeritic strongly brecciated											
		ultramafic breccia, lower 1.2 m foliated at 35 deg.											
		374.6-374.75 and 377.65-377.7											
		Fault breccia with talcose gouge matrix, faults at 50 deg.											
		382.5-391.3											
		Dark grey green brown black green fine grained nonmagnetic ankeritic massive											
		to weakly foliated ultramafic, wavy foliation at 0-30 deg.											
391.30	**395.30**	Felsite	593613	390.2	391.2	1.0	<0.005						
		Grey to light grey nonmagnetic siliceous fine grained felsic dyke, massive to	593614	391.2	392.3	1.1	<0.005				5	1	
		locally weakly brecciated, 5%, 1-5 mm white calcite +- quartz veins and wispy	593615	392.3	393.3	1.0	<0.005				3	1	
		lenses at 30-50 deg, 1% fine to medium grained disseminated pyrite cubes, very	593616	393.3	394.3	1.0	<0.005				5	1	
		irregular upper and lower contacts.	593617	394.3	395.3	1.0	<0.005				5	1	
			593618	395.3	396.3	1.0	<0.005				1		
395.30	**406.50**	Ultramafic											
		Light grey to grey to dark green, very weakly magnetic ankeritic talcose,											
		serpentinized foliated ultramafic moderately foliated and banded at 10-20 deg,											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		1%, 1-5 mm white calcite quartz vei9ning parallel to foliation.											
406.50	**409.00**	Felsite	593619	405.5	406.5	1.0	<0.005						
		Grey nonmagnetic siliceous felsite dyke as above with 5% calcite quartz veining	593620	406.5	407.3	0.8	<0.005				10	1	
		and 1% disseminated pyrite, irregular contacts.	593621	407.3	407.9	0.6	0.005	<0.005				0.5	
		407.05-407.95	593622	407.9	409.0	1.1	0.006				3	1	
		Dark grey black medium grained nonmagnetic massive mafic dyke with trace	593623	409.0	410.0	1.0	<0.005				2		
		pyrite, upper contact cutting in and out to 407.3, sharp lower contact at 40 deg.											
409.00	**415.30**	Mafic Intrusive											
		Dark grey to black nonmagnetic ankeritic medium grained massive mafic intrusive											
		with chloritic ground mass.											
415.30	**417.30**	Ultramafic											
		Grey green brown black green nonmagnetic to foliated ankeritic ultramafic,											
		sharp upper contact at 70 deg, lower contact at 35 deg.											
417.30	**418.95**	Feldspar Porphyry	593624	416.3	417.3	1.0	<0.005						
		Grey nonmagnetic ankeritic feldspar porphyry with 5%, 2-3 mm anhedral feldspar	593625	Blank			<0.005						
		phenocrysts in a fine grained felsic matrix, 3%, 0.1-1 cm white calcite veining	593626	Au Standard # 20			0.966						
		at 40-60 deg, trace disseminated pyrite. wavy lower contact at 50 deg.	593627	417.3	418.1	0.8	<0.005				5	tr	
			593628	418.1	419.0	0.9	<0.005				1	tr	
418.95	**442.85**	Ultramafic Breccia	593629	419.0	420.0	1.0	<0.005	<0.005					
		Grey to dark grey and black green strongly magnetic ankeritic strongly											
		brecciated ultramafic fractured at 30-60 deg, 1-2%, irregular white calcite veining,											
		trace pyrite cubes up to 1 cm.											
442.85	**448.20**	Lamprophyre Dyke											
		442.85-444.75											
		Olive green brown nonmagnetic biotitic medium to coarse grained lamprophyre	593630	443.6	444.6	1.0	<0.005						
		dyke with 10%, 0.5-1.5 cm light blue grey white ovoid talcose growths with core of											
		unknown mineral (olivine) rimmed by concentric growths of apparent same											
		altered composition, sharp upper contact at 30 deg.											
		444.75-445.8											
		Mix of ultramafic and lamprophyre dyke, 10% irregular white calcite veining in											
		the ultramafic, upper contact at 45 deg, lower contact at 20 deg.											
		445.8-448.2											
		Brown green medium to coarse grained massive lamprophyre dyke but with no											
		altered growths.											
448.20	**450.50**	Carbonated Ultramafic											
		Black green and grey green magnetic ankeritic carbonated ultramafic, moderately											
		foliated at 40-45 deg, 25% carbonated veining parallel to foliation, upper contact											
		at 40 deg, lower contact marked by 2 mm fault gouge at 45 deg.											
450.50	**457.15**	Lamprophyre Dyke											
		450.5-455.05											
		Brown green medium to coarse grained biotitic massive lamprophyre dyke,											
		452.8-453.2 and 455.05-457.15											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Carbonated ultramafic intervals at 20-40 deg.											
457.15	**462.60**	Siltstone	593631	456.0	457.2	1.2	0.012				20		
		Light grey ankeritic fine grained foliated siltstone with 3% medium grained pyrite	593632	457.2	458.0	0.8	<0.005				1	3	
		along chloritic foliation planes at 20 deg, massive from 460.8-462.6 m	593633	458.0	459.0	1.0	0.006				2	3	
		contacts at 20 deg, nonmagnetic to weakly magnetic, 1-2%, 1-5 mm white calcite	593634	459.0	460.0	1.0	0.013				3	3	
		veining at 80 deg crosscutting foliation.	593635	460.0	460.8	0.8	0.017					1	
			593636	460.8	461.6	0.8	<0.005				3	tr	
462.60	**467.00**	Lamprophyre Dyke	593637	461.6	462.6	1.0	<0.005				10	tr	
		462.6-463.4											
		Ankeritic carbonated ultramafic foliated at 20 deg.											
		463.4-467.0											
		Brown green nonmagnetic massive medium grained biotitic lamprophyre dyke											
467.00	**471.00**	Siltstones	593638	466.0	467.0	1.0	<0.005						
		467.0-468.2	593639	467.0	468.2	1.2	<0.005				3	3	
		Light grey black ankeritic graphitic foliated siltstone with 3% medium grained	593640	468.2	469.2	1.0	<0.005				1		
		pyrite, similar to 457.15 m but carbonaceous, contacts and foliation at 40 deg.	593641	469.2	470.0	0.8	<0.005					1	
		468.2-469.15											
		Green grey fine grained mafic to ultramafic to mafic intrusive fairly massive.											
		469.15-469.8											
		Carbonaceous foliated siltstone, foliation at 25-30 deg, 1% pyrite.											
		469.8-471.0											
		Grey green fine grained chloritic ultramafic to mafic intrusive, weakly foliated											
		at 50 deg.											
471.00	**473.30**	Fault Zone Carbonated Ultramafic											
		Dark green white brecciated carbonated ultramafic with 1-2 cm wide 20-30 cm											
		wide faults with gouge at 20-40 deg.											
473.30	**477.00**	Lamprophyre Dyke											
		Grey green grey nonmagnetic chloritic lamprophyre dyke weakly foliated at 50 deg,											
		three 10-50 cm wide carbonated ultramafic inclusions at 40 deg.											
477.00	**485.70**	Carbonated Ultramafic											
		Black green strongly magnetic to weakly magnetic ankeritic carbonated ultramafic											
		with 20-25% white ankerite and calcite irregular carbonated veining.											
485.70	**492.50**	Lamprophyre Dyke											
		Grey green to green nonmagnetic ankeritic chloritic altered fine to medium grained											
		lamprophyre or ultramafic dyke with 20-30 cm wide carbonated ultramafic											
		inclusion towards lower contact foliated at 40-20 deg, sharp upper contact at 40 deg,											
		lower contact at 20 deg.											
			593642	491.5	492.5	1.0	<0.005				2		
492.50	**493.60**	Fault Zone	593643	492.5	493.6	1.1	0.005				5	tr	
		Black green white grey talcose serpentized carbonated ultramafic, moderately											
		foliated at 20-50 deg, crushed 1-3 cm wide talcose faults with gouge at 50-60 deg,											
		ground lower contact, upper contact at 20 deg.											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
493.60	**503.30**	Carbonated Ultramafic	593644	493.6	494.2	0.6	<0.005				30	tr	
		493.6-493.8	593645	494.2	495.0	0.8	<0.005				10	tr	
		Grey white beige brecciated weakly sericitic quartz ankerite vein, lower contact	593646	495.0	496.0	1.0	0.005				20	tr	
		at 90 deg.	593647	496.0	497.0	1.0	<0.005				20	tr	
		493.8-497.8	593648	497.0	497.8	0.8	<0.005				15	tr	
		Green brown green and dark green carbonated weakly sericitic	593649	497.8	498.4	0.6	<0.005	<0.005			10		
		ultramafic, strongly to moderately foliated at 80-10 deg, contorted and locally	593650	Blank			<0.005						
		drag-folded, 5-15%, 1-3 cm wide white fragmented boudinaged drag-folded	593651	Au Standard # 16			0.944						
		ankerite quartz veining, trace pyrite along vein contacts.	593652	498.4	499.4	1.0	<0.005				15		
		497.05-497.55	593653	499.4	500.4	1.0	<0.005				20		
		Green fine grained chloritic ultramafic dyke at 20-40 deg, trace pyrite.	593654	500.4	501.3	0.9	0.013				20		
		497.55-497.7	593655	501.3	502.3	1.0	<0.005				15		
		Milky white coarse grained quartz ankerite vein at 40 deg.	593656	502.3	503.3	1.0	0.01				5		
		497.8-503.3											
		Dark green to black green nonmagnetic ankeritic carbonated ultramafic with 10-20%											
		0.2-3 cm wide greenish white irregular ankerite veining at 0-60 deg and as											
		a breccia matrix.											
503.30	**531.40**	Quartz Carbonate Vein Zone Sericitic Deformation Zone	593657	503.3	504.3	1.0	<0.005				20	tr	
		503.4-505.95	593658	504.3	505.3	1.0	0.007				25	tr	
		Dark grey to light grey ankeritic carbonated altered ultramafic with 20% 1-10 mm	593659	505.3	506.3	1.0	0.013				20	tr	
		wide ankerite stock work and 5-10%, 1-5 cm fragmented irregular quartz ankerite	593660	506.3	507.1	0.8	<0.005				20	tr	
		veining, trace disseminated pyrite.	593661	507.1	508.3	1.2	0.012				2	tr	
		505.95-508.3	593662	508.3	509.0	0.7	0.009				20	tr	
		Light beige grey fine grained weakly sericitic felsic dykes 0.1-1.2 m wide intruding	593663	509.0	510.0	1.0	0.011				15	tr	
		quartz veined carbonated ultramafics, felsic dykes at 30 deg, lower	593665	510.0	511.0	1.0	0.01				15	tr	
		contact broken and not well defined in area of broken core.	593666	511.0	512.0	1.0	0.01				25	0.5	
		507.1-509.0	593667	512.0	513.0	1.0	0.014				25	1	
		Badly broken core.	593668	513.0	514.0	1.0	0.012				25	1	
		508.3-525.6	593669	514.0	515.0	1.0	0.017				25	1	
		Green light yellow beige and grey ankeritic sericitic and chloritic deformed	593670	515.0	516.0	1.0	0.015				20	0.5	
		drag-folded altered felsic rock with 5-15% 1-3 mm wide stretched boudinaged	593671	516.0	517.0	1.0	0.005				20	0.5	
		drag-folded light grey quartz ankerite lenses, 5-15% 0.5-10 cm wide white to light	593672	517.0	518.0	1.0	0.014				25	1	
		grey boudinaged fragmented later finely brecciated quartz veining with ankerite	593673	518.0	519.0	1.0	0.011				15	tr	
		breccia matrix, trace to up to 1% finely disseminated pyrite along foliation planes	593674	519.0	520.0	1.0	0.01				15	tr	
		and vein contacts, foliation at 30-50 deg, avg 40 deg, protolith is uncertain but	593675	Blank			<0.005				25	1	
		may be a felsic tuff to felsic tuffaceous greywacke 0r felsic syenite intrusive,	593676	Au Standard # 20			0.946						
		no primary quartz, similar to the unit below which has been mylonitized sheared	593677	520.0	521.0	1.0	<0.005				20	1	
		and drag-folded, sharp lower contact at 100 deg, i.e. 60 deg to dominant foliation.	593678	521.0	522.0	1.0	0.012				10	tr	
		525.6-531.4	593679	522.0	523.0	1.0	<0.005				10	tr	
		Olive yellow beige grey ankeritic sericitic fine grained feldspathic tuffaceous	593680	523.0	524.0	1.0	0.006				10	tr	
		greywacke gritty clastic texture but no definite quartz grains, massive to very	593681	524.0	524.9	0.9	0.007				15	tr	
		weakly foliated at 40-50 deg, 10-20%, 0.2-5 cm wide white grey brecciated	593682	524.9	525.6	0.7	<0.005				25	1	
		quartz ankerite veining at 30-70 deg, ankerite mainly as vein breccia matrix,	593683	525.6	526.6	1.0	<0.005				5	tr	
		trace to 1% disseminated fine to medium grained pyrite in chloritic fractures	593684	526.6	527.6	1.0	0.01				15	1	
		and along vein contacts, lower contact defined by loss of quartz veining.	593685	527.6	528.5	0.9	<0.005				10	tr	
		529.32 and 529.37	593686	528.5	529.1	0.6	<0.005				15	0.5	
		Grey 2 mm wide talcose faults at 50 deg.	593687	529.1	529.9	0.8	0.006				15	tr	
			593688	529.9	530.7	0.8	<0.005				20	tr	

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
			593689	530.7	531.4	0.7	0.005				15	tr	
531.40	**557.00**	Sericitic Altered Greywacke	593690	531.4	532.4	1.0	0.006				1		
		531.4-536.6	593691	532.4	533.4	1.0	0.008				1		
		Dirty yellow beige green grey ankeritic fine grained feldspathic tuffaceous	593692	533.4	534.5	1.1	0.029				3	tr	
		greywacke, massive to weakly foliated at 40 deg, possible very fine grained	593693	534.5	535.5	1.0	<0.005				1		
		detrital quartz grains at 534-536 m, 1%, 0.2-1 cm wide white to dark grey	593694	535.5	536.6	1.1	0.007				1		
		quartz ankerite +- chlorite veining at 20-70 deg, chloritic veining have trace pyrite											
		along vein contacts.											
		536.6-539.4	593695	536.6	537.4	0.8	<0.005	0.006			15	tr	
		Green beige to dark green and grey ankeritic chloritic sericitic brecciated	593696	537.4	538.4	1.0	0.005				30	tr	
		section with 20-30% dark grey to grey quartz ankerite breccia matrix, weakly	593697	538.4	539.4	1.0	0.006				30	tr	
		foliated at 40-50 deg, trace disseminated pyrite, sharp upper contact at 50 deg,											
		broken lower contact.											
		539.4-548.4	593698	539.4	540.3	0.9	0.008				1	tr	
		Light grey to grey ankeritic very weakly sericitic fine to medium grained	593699	540.3	541.3	1.0	0.006				2		
		feldspathic tuffaceous greywacke, massive to weakly foliated at 40-50 deg,	593700	Blank			<0.005						
		1-2% white quartz ankerite veins and irregular fracture fillings at 20-30 deg,	593701	Au Standard # 20			0.993						
		trace to 1% fine to medium grained disseminated and fracture controlled pyrite.	593664	541.3	542.3	1.0	0.007				2		
			593702	542.3	543.3	1.0	0.022				3	tr	
			593703	543.3	544.2	0.9	0.019				10	tr	
			593704	544.2	545.2	1.0	0.02				5	tr	
			593705	545.2	546.2	1.0	0.015				5	1	
			593706	546.2	547.2	1.0	0.008				3	tr	
			593707	547.2	548.4	1.2	0.005				10	tr	
												tr	
												tr	
		548.4-550.7	593708	548.4	549.5	1.1	0.008				30	tr	
		Yellow beige grey to light tan beige ankeritic sericitic quartz ankerite veining	593709	549.5	550.0	0.5	<0.005				3	tr	
		deformed section with 40% 15-40 cm wide stronger sericitic drag-folded intervals	593710	550.0	550.7	0.7	0.005				30	tr	
		at 50-60 deg with 30% light grey irregular quartz ankerite veining, trace pyrite,											
		upper contact gradational defined by vein contact, sharp lower contact at 60 deg											
		marked sericitic quartz veined zone at 60 deg.											
		550.7-557.0	593711	550.7	551.7	1.0	<0.005				3		
		Light yellow beige grey ankeritic weakly sericitic fine grained feldspathic											
		tuffaceous greywacke fairly massive to weakly foliated at 20-50 deg.											
557.00	**570.60**	Pyritic Greywacke	593712	557.0	558.0	1.0	0.008					3	
		Light beige grey strongly ankeritic weakly sericitic fine grained feldspathic	593713	558.0	559.1	1.1	0.008				1	2	
		greywacke with obvious quartz content weakly foliated at 40 deg, 5-10%,	593714	559.1	560.3	1.2	0.005				2	1	
		0.1-3 cm wide brassy fine grained pyrite stringers parallel to foliation, 5-15%	593715	560.3	561.4	1.1	0.012				3	1	
		dark grey brecciated quartz ankerite veining with pyrite, 0.1-3 cm wide, wider	593716	561.4	562.3	0.9	<0.005				3	3	
		quartz veining have light beige sericitic altered wallrocks, locally wider pyritic	593717	562.3	562.8	0.5	0.025				10	8	
		veins are drag-folded with fold axis at 25 deg to core axis, <1% later white quartz	593718	562.8	563.8	1.0	<0.005				5	2	
		ankerite veining 1-3 mm wide with no pyrite.	593719	563.8	564.8	1.0	<0.005				3	0.5	
		562.45-562.48	593720	564.8	565.8	1.0	0.006				5	1	
		Widest pyrite stringer at 40 deg with 20 cm of stringy quartz ankerite sericite	593721	565.8	566.8	1.0	0.006				5	10	
		veining below pyrite stringer.	593722	566.8	567.8	1.0	0.009				5	2	
			593723	567.8	568.8	1.0	<0.005	<0.005			3	tr	

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
			593724	568.8	569.6	0.8	<0.005				3	tr	
			593725	Blank			<0.005						
			593726	Au Standard # 20			0.997						
			593727	569.6	570.6	1.0	0.005				5	tr	
570.60	**597.60**	Deformed Conglomerate											
		Grey to dark grey to green ankeritic foliated weakly sericitic altered clast-supported											
		conglomerate with 0.2-1.5 cm wide stretched fine grained light grey to grey											
		greywacke siltstone and some dark green chloritic mafic clasts in fine to medium											
		grained weakly sericitic chloritic clastic matrix, moderately foliated at 40-50 deg,											
		1-3%, 1-5 mm wide white calcite veining at 20-40 deg, trace pyrite in conglomerate											
		matrix.											
		589.25-593.0											
		3.1 m ground lost core reported in solid rock, 65 cm of 5-10 cm pieces of											
		greywacke with ground ends.											
597.60	**621.60**	Greywacke Conglomerate											
		Grey nonmagnetic ankeritic fine to medium grained greywacke, weakly foliated											
		at 35-60 deg with wispy beige sericite along foliation planes, gritty texture											
		with quartz grains, interbedded with 20-50 cm thick conglomerate horizons similar											
		to above unit, trace disseminated pyrite, <1%, 1-5 mm white calcite veining											
		parallel to foliation, below 605 m greywacke is less sericitic and relatively											
		unaltered, foliation still varies between 30-50 deg, avg 35 deg											
621.60	**716.00**	Greywacke											
		621.6-658.4											
		Grey and beige grey nonmagnetic weakly ankeritic medium grained greywacke,											
		weakly foliated at 45-60 deg, trace stretched clasts parallel to foliation, 1%, 1-5 mm											
		wide white calcite veining, upper contact gradational.											
		658.4-686.5											
		Grey dark grey and beige grey nonmagnetic weakly ankeritic fine to medium											
		grained greywacke with 1-5 mm wide dark grey argillite beds, weakly bedded											
		at 50 deg, <1% 1-3 mm white calcite veining.											
		670.4-676.3	593728	670.4	671.4	1.0	0.009				3	tr	
		Dark grey greywacke with 2-10%, 0.2-1.5 cm wide grey to dark grey brecciated	593729	671.4	672.4	1.0	0.012				10	1	
		quartz-chlorite veining parallel to bedding/foliation at 50 deg, trace pyrite along	593730	672.4	673.4	1.0	0.014				5	0.5	
		chloritic vein contacts.	593731	673.4	674.4	1.0	0.008				1	tr	
			593732	674.4	675.3	0.9	0.01				1		
			593733	675.3	676.3	1.0	0.006				8	tr	
		686.5-716.0											
		Grey nonmagnetic weakly ankeritic fine grained greywacke, massive to very	593734	696.1	697.2	1.1	0.006				10	tr	
		weakly bedded/foliated at 50 deg, <1%, 1-5 mm wide calcite veining, locally											
		dark brecciated quartz chlorite veining as at 670.4 m.	593735	703.5	704.4	0.9	0.006				5	tr	
716.00	**749.00**	Altered Greywacke											
		716.0-735.1											
		Beige grey to grey beige nonmagnetic ankeritic weakly sericitic altered fine to											
		medium grained greywacke, weakly foliated at 60 deg, <1%, 0.2-1.5 ankerite											
		veining at 60-70 deg, calcite veining in upper third of interval, trace disseminated											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		fine grained pyrite.											
		724.0-724.55	593736	723.0	724.0	1.0	0.007				1	tr	
		30%, 1-10 cm wide grey to dark grey brecciated quartz veining at 60-70 deg	593737	724.0	724.6	0.6	0.008				50	tr	
		with trace pyrite and 1% sericite inclusions, trace pyrite in wallrocks.	593738	724.6	725.6	1.0	0.007				1	tr	
		735.1-739.5	593739	734.1	735.1	1.0	0.011					tr	
		Light grey beige ankeritic weakly to moderately sericitic altered fine grained	593740	735.1	736.1	1.0	0.006				5	tr	
		altered greywacke, slightly stronger foliation at 60 deg, 5-20%, 1-20 cm wide white	593741	736.1	736.8	0.7	0.009				1	tr	90%rec
		and grey irregular brecciated fragmented quartz + sericite +- ankerite veining	593742	736.8	737.5	0.7	0.006					tr	
		parallel to foliation, trace to 2% pyrite finely disseminated and 1-2 mm wide	593743	737.5	738.5	1.0	0.008					tr	
		stringers parallel to foliation.	593744	738.5	739.5	1.0	0.012				30	0.5	
		739.08-739.48	593745	739.5	740.0	0.5	0.014				1	2	
		White and grey brecciated fragmented quartz veining with trace pyrite, upper	593746	740.0	741.0	1.0	0.012					tr	
		contact at 40 deg marked by sericitic slick-en-sides, lower irregular at 40-60 deg.	593747	741.0	742.0	1.0	0.01				1	tr	
		739.5-749.0	593748	742.0	743.0	1.0	0.01				1	tr	
		Light grey beige ankeritic sericitic altered fine to medium grained altered	593749	743.0	744.0	1.0	0.01	0.014			3	tr	
		greywacke, moderately foliated at 60-65 deg, trace to 15 fine to medium grained	593750	Blank			<0.005						
		disseminated pyrite along sericitic planes,<1%, 1-5 mm grey sugary quartz veining	593751	Au Standard # 20			1		1.07	NSS			
		parallel to foliation.	593752	744.0	745.0	1.0	0.01				1	tr	
		743.4	593753	745.0	746.0	1.0	0.013				1	tr	
		Grey 2 mm wide fault gouge at 50 deg.	593754	746.0	747.0	1.0	0.016				3	tr	
749.00	**803.40**	Altered Greywacke and Mudstones											
		749.0-761.0	593755	747.0	748.0	1.0	0.007				2	tr	
		Light grey beige and dark black green ankeritic sericitic chloritic altered greywacke	593756	748.0	749.0	1.0	0.006				1	tr	
		with dark green chloritic mudstone beds, moderately foliated at 60-65 deg,	593757	749.0	750.0	1.0	0.011				10	tr	
		overall 1% 1-10 cm wide white irregular fragmented quartz veining parallel to	593758	750.0	751.0	1.0	0.005				2	1	
		foliation, trace to 1% fine to medium grained pyrite along foliation planes	593759	751.0	752.0	1.0	0.008				5	tr	
		and 0.5-1 mm wide stringers.	593760	752.0	753.0	1.0	0.016				2	1	
			593761	753.0	754.0	1.0	0.018				2	0.5	
			593762	754.0	755.0	1.0	0.016				3	tr	
			593763	755.0	756.0	1.0	0.019				1	tr	
			593764	756.0	757.0	1.0	0.041				1	tr	
			593765	757.0	758.0	1.0	0.032				1	tr	
			593766	758.0	759.0	1.0	0.012				1	tr	
			593767	759.0	760.0	1.0	0.01				2	tr	
			593768	760.0	761.0	1.0	0.006				8	tr	
		761.0-769.0	593769	761.0	762.0	1.0	0.013	0.015			3	tr	
		Light grey beige straw yellow and dark black green ankeritic chloritic sericitic	593770	762.0	763.0	1.0	0.009				3	tr	
		altered greywacke with chloritic mudstone beds, moderately foliated at 60-70 deg,	593771	763.0	764.0	1.0	0.009				10	0.5	
		10-50%, 1-50 cm wide, white to grey brecciated boudinaged quartz veining with	593772	764.0	765.0	1.0	0.006				15	tr	
		ankeritic breccia matrix, trace fine to medium disseminated pyrite and occasional	593773	765.0	766.0	1.0	0.011				35	tr	
		0.5-1 mm stringer parallel to foliation, locally drag folding in stronger sericitic	593774	766.0	767.0	1.0	0.016				15	tr	
		altered intervals i.e. 767.8 m	593775	Blank			<0.005						
			593776	Au Standard # 20			1.015		1.00				
			593777	767.0	768.0	1.0	0.008				10	tr	
			593778	768.0	769.0	1.0	0.007				25	tr	
		769.0-778.1	593779	769.0	770.0	1.0	0.011				5	tr	
		Light beige brown and dark green ankeritic moderately sericitic fine grained	593780	770.0	771.0	1.0	0.005				2		

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		greywacke with chloritic partings, moderately foliated at 60-70 deg, <1%, 0.5-1 cm	593781	771.0	772.0	1.0	0.027				1		
		wide white boudinaged fragmented quartz ankerite veining, contacts gradational.	593782	772.0	773.0	1.0	0.014				2		
			593783	773.0	774.0	1.0	0.009				1		
			593784	774.0	775.0	1.0	0.009				2		
			593785	775.0	776.0	1.0	0.015				1		
			593786	776.0	777.0	1.0	0.017				3		
			593787	777.0	778.1	1.1	<0.005				1		
		778.1-797.25	593788	778.1	779.0	0.9	0.006				5		
		Light grey beige dark green and straw yellow ankeritic interbedded sericitic	593789	779.0	780.0	1.0	0.006	0.005			3		
		greywacke and chloritic mudstones, 60/40, moderately foliated at 60-65 deg,	593790	780.0	781.0	1.0	<0.005				3		
		5-40%, 1-30 cm wide, white grey fragmented brecciated boudinaged quartz	593791	781.0	782.0	1.0	<0.005				5		
		veining with ankeritic breccia matrix and sericitic wallrocks, trace pyrite.	593792	782.0	783.0	1.0	<0.005				3		
		797.25-803.40	593793	783.0	784.0	1.0	0.006				40		
		Yellow beige and grey ankeritic sericitic altered fine to medium grained altered	593794	784.0	785.0	1.0	0.007				15		
		greywacke, moderately foliated at 65 deg, 5-20%, 2-25 cm wide, white brecciated	593795	785.0	786.0	1.0	<0.005				3		
		quartz veining with ankerite matrix as above, contacts gradational.	593796	786.0	787.0	1.0	0.005				5		
			593797	787.0	788.0	1.0	<0.005				20		
			593798	788.0	789.0	1.0	0.006				15		
			593799	789.0	790.0	1.0	0.006				8		
			593800	Blank			<0.005						
			593801	Au Standard # 20			1.02		1.07				
			593802	790.0	791.0	1.0	0.01				35		
			593803	791.0	792.0	1.0	0.05				20		
			593804	792.0	793.0	1.0	0.014				20		
			593805	793.0	794.0	1.0	0.018				5		
			593806	794.0	795.0	1.0	0.019				5		
			593807	795.0	796.2	1.2	0.016				2		
			593808	796.2	797.3	1.1	<0.005				10		
			593809	797.3	798.3	1.0	0.006				15		
			593810	798.3	799.3	1.0	0.009				3		
			593811	799.3	800.3	1.0	0.008				10		
			593812	800.3	801.3	1.0	0.005				20		
			593813	801.3	802.3	1.0	0.008				15		
			593814	802.3	803.4	1.1	0.008				2		
803.40	**824.30**	Altered Siltstones and Mudstones	593815	803.4	804.4	1.0	<0.005				15		
		803.4-813.3	593816	804.4	804.9	0.5	0.008				2		
		Dark grey black and yellow beige ankeritic deformed interbedded siltstones and	593817	804.9	805.6	0.7	0.016				20		
		mudstones, strongly deformed and drag-folded at 60-70 deg, 5-15%, 2-5 cm wide	593818	805.6	806.3	0.7	0.006				3		
		white boudinaged drag-folded brecciated quartz veining with ankeritic breccia	593819	806.3	807.3	1.0	<0.005				20		
		matrix, 10-15%, 1-5 cm wide, dark grey and white ankerite veining and carbonate	593820	807.3	808.1	0.8	<0.005				10		
		veins parallel to foliation.	593821	808.1	808.8	0.7	0.007				25		
		804.90-805.15	593822	808.8	809.7	0.9	0.014				3		
		Brown beige sericitic sediment and 2-5 mm wide grey brecciated quartz vein	593823	809.7	810.7	1.0	0.007				5		
		zone at 50 deg, trace pyrite.	593824	810.7	811.5	0.8	0.007				10		
		813.3-824.3	593825	Blank			<0.005						
		Grey fine grained ankeritic siltstones with 20% 2-5 mm wide dark green black	593826	Au Standard # 20			1.025		NSS				
		interbedded chloritic mudstones, bedded/foliated at 60-70 deg., ankeritic and	593827	811.5	812.3	0.8	0.009	0.006			5		
		carbonated deformed sediments.	593828	812.3	813.3	1.0	0.006				3		

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		818.5-820.0	593829	813.3	814.3	1.0	0.01				5		
		10%, 3-10 cm wide off-white and white ankerite +- quartz veining parallel	593830	814.3	815.3	1.0	0.008				1		
		to foliation.	593831	815.3	816.3	1.0	<0.005						
			593832	816.3	817.3	1.0	0.005				1		
			593833	817.3	818.3	1.0	0.005				1		
			593834	818.3	819.3	1.0	<0.005				15		
			593835	819.3	820.3	1.0	0.008				10		
			593836	820.3	821.3	1.0	<0.005				10		
			593837	821.3	822.3	1.0	0.005				5		
			593838	822.3	823.4	1.1	0.005				10		
			593839	823.4	824.3	0.9	<0.005				2		
824.30	**828.50**	Fault Zone	593840	824.3	825.2	0.9	<0.005				15		
		Black and grey finely bedded siltstones and mudstones as above with five 1-5 cm	593841	825.2	826.0	0.8	0.008				10		
		wide grey fault gouge at 70 deg, 5-20%, 1-15 cm wide white grey boudinaged	593842	826.0	827.0	1.0	0.007				3		
		brecciated quartz ankerite veining parallel to foliation,	593843	827.0	828.0	1.0	0.009						
		828.0-828.5	593844	828.0	828.5	0.5	0.009				15		
		Grey brown and white weakly silicified brecciated siltstone zone at 30-35 deg											
		with 8 cm wide white brecciated quartz ankerite vein at lower contact, upper											
		contact marked by 5 cm broken fault gouge.											
828.50	**851.00**	Deformed Conglomerate	593845	828.5	829.5	1.0	<0.005						
		828.5-828.8	593846	829.5	830.4	0.9	<0.005				1		
		Grey ankeritic finely bedded siltstone, bedding at 75 deg no veining.	593847	830.4	831.4	1.0	0.006				5		
		828.8-839.4	593848	831.4	832.4	1.0	0.007				3		
		Straw beige grey beige and light grey ankeritic strongly deformed conglomerate with	593849	832.4	833.6	1.2	0.044				15	tr	
		0.2-1.5 cm wide siltstones quartz porphyry and mafic intrusive stretched clasts	593850	Blank			<0.005						
		in a fine to medium grained sericitic altered greywacke matrix, moderately	593851	Au Standard # 20			5.91		NSS	wrong Au std submitted??			
		foliated at 65-75 deg, 5-10%, 2-15 cm wide white grey brecciated quartz ankerite	593852	833.6	834.7	1.1	0.005				2		
		veining parallel to foliation, trace disseminated pyrite, 10-25 cm wide interbeds of	593853	834.7	835.8	1.1	<0.005				8		
		sericitic greywacke, occasional emerald green carbonate lens or sliver.	593854	835.8	836.6	0.8	0.006				2		
			593855	836.6	837.6	1.0	<0.005				10		
			593856	837.6	838.6	1.0	<0.005				5		
			593857	838.6	839.4	0.8	0.006				15		
		839.4-840.7	593858	839.4	840.7	1.3	<0.005				20		
		Dark grey and black moderately foliated drag-folded mudstone, foliation at 60 deg,											
		15%, 1-5 cm white grey quartz ankerite boudinaged veining.											
		840.7-845.0	593859	840.7	841.8	1.1	<0.005				10		
		Grey and straw yellow ankeritic sericitic deformed conglomerate with 20-30%	593860	841.8	842.9	1.1	<0.005				25		
		1-3 cm wide grey white crystalline ankerite quartz veining parallel to foliation	593861	842.9	844.0	1.1	<0.005				20		
		at 60-70 deg,	593862	844.0	845.0	1.0	0.005				10		
		845.0-849.1	593863	845.0	846.0	1.0	<0.005				10		
		Light beige yellow ankeritic weakly to moderately silicified deformed altered	593864	846.0	847.0	1.0	<0.005				5		
		conglomerate with pink beige hard silicified quartz porphyry stretched clasts in	593865	847.0	848.0	1.0	<0.005	<0.005			8		
		a fine grained silicified greywacke matrix, occasional quartz pebbles, 1-3%,	593866	848.0	849.1	1.1	<0.005				15		
		1-10 mm wide emerald green carbonated altered clasts parallel to moderate foliation											
		at 60-65 deg, 1-15%, 0.5-10 cm wide white crystalline ankerite quartz veining											
		parallel to foliation, sharp upper contact at 70 deg defined by change in											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		alteration, lower contact at 60 deg defined by change in alteration and the											
		conglomerate becoming magnetic.											
		849.1-851.0	593867	849.1	850.0	0.9	<0.005				5		
		Dark green grey pink and grey strongly magnetic moderately foliated chloritic	593868	850.0	851.0	1.0	0.008				5		
		weakly hematitic altered conglomerate, finely disseminated magnetite,											
		foliation at 60 deg, sharp lower contact at 60 deg, no veining.											
851.00	**865.75**	Trachyte Tuff											
		Dark green strongly magnetic fine to medium grained mafic trachyte ash tuff											
		weakly foliated at 70 deg changing to 80 deg at 856 m, 5%, 1-5 mm wide pink											
		calcite veining, lower contact marked by 70% white grey irregular ankerite quartz											
		veining from 865.45-865.75 m.											
865.75	**920.10**	Trachyte Lapilli Tuff											
		865-75-884.25											
		Grey dark green pink and white ankeritic strongly magnetic trachyte tuff to lapilli											
		tuff with feldspar and quartz porphyry clasts up to 1 cm wide in medium											
		grained green white trachyte tuff matrix, moderately finely foliated at 70-80 deg,											
		10%, 0.2-10 cm wide off-white grey white hematite stained ankerite quartz											
		veining parallel to foliation, interval maybe in part a tuffaceous conglomerate?											
		884.25-895.9											
		Dark green and red strongly magnetic calcitic trachyte with red hematitic trachyte											
		stretched clasts, 0.2-3 cm wide, in medium green mafic trachyte ash tuff matrix,											
		moderately foliated at 75-80 deg, 5-10%, 1-10 mm wide white to pink white calcite											
		veining.											
		895.9-899.15											
		Light grey strongly magnetic with 10% finely disseminated magnetite, calcitic											
		fine to medium grained tuffaceous greywacke to bleached trachyte tuff,											
		899.15-902.6											
		Dark green and red strongly magnetic trachyte tuff with red trachyte clasts,											
		moderately foliated at 70 deg, contacts at 70 deg.											
		902.6-920.1											
		Dark green strongly magnetic strong pervasive calcite alteration, fine grained											
		trachyte lapilli to ash tuff, weakly foliated at 75-80 deg, 1-2%, 1-10 mm irregular											
		calcite veining.											
920.10	**950.60**	Trachyte Ash Tuff											
		Dark green strongly magnetic, pervasive calcite alteration. Fine to medium grained											
		trachyte ash tuff with occasional 0.5-1 cm wide red hematitic trachyte clast,											
		weakly foliated/bedded at 80 deg, 1-5% pink drag-folded calcite veining, .											
		936-.0-942.0											
		Trachyte lapilli tuff horizon with 0.5-1 cm wide stretched pink grey trachyte clasts											
		parallel to weak foliation at 60 deg.											
950.60	**960.20**	Trachyte Tuff to Lapilli Tuff											
		Dark green grey and grey strongly magnetic pervasive calcite alteration											
		trachyte tuff to lapilli tuff with pink grey stretched trachyte clasts up to 1 cm wide											
		in a dark grey green fine to medium grained ash tuff matrix, moderately foliated											
		at 80 deg, 3-10% white drag folded pink white calcite veining and fracture											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		controlled white calcite veining, contacts gradational.											
		952.2-954.3	593869	952.2	952.9	0.7	0.014				40	tr	
		Red white and grey irregular brecciated hematitic altered quartz calcite veining	593870	952.9	953.7	0.8	0.006				10		
		2-15 cm wide parallel to foliation, trace pyrite in chloritic fractures	593871	953.7	954.3	0.6	0.011				10		
960.20	**983.80**	Trachyte Ash Tuff											
		Dark green grey strongly magnetic pervasive calcite altered fine to medium grained											
		trachyte ash tuff, massive to weakly foliated at 80 deg, scattered 5-20 cm wide											
		tuff to lapilli tuff horizons, 3-10%, 1-10 mm wide, white calcite veining parallel to											
		foliation and later veining at shallow angles of 20-40 deg.											
		979.4-983.8											
		Dark green grey pink grey strongly magnetic calcitic trachyte lapilli tuff and											
		dark green trachyte ash tuff, weakly bedded at 80 deg, lower contact defined by											
		loss of magnetism.											
983.80	**992.20**	Altered Trachyte Tuff Greywacke and Conglomerate	593872	982.8	983.8	1.0	0.012				1		
		983.8-985.6	593873	983.8	984.6	0.8	<0.005				20	tr	
		Dark green and grey nonmagnetic trachyte tuff, finely bedded/foliated at 60-70 deg,	593874	984.6	985.6	1.0	<0.005				20	tr	
		20%, 1-20 cm wide white grey off-white brecciated quartz ankerite veining	593875	Blank			<0.005						
		parallel to foliation, trace disseminated pyrite along chloritic vein contacts,	593876	Au Standard # 20			1.03		NSS				
		lower contact marked by 12 cm quartz ankerite vein at 80-90 deg.	593877	985.6	986.5	0.9	0.006				3	tr	
		895.6-987.4	593878	986.5	987.4	0.9	<0.005				1	0.5	
		Green to light grey nonmagnetic ankeritic medium grained sericitic altered	593879	987.4	988.3	0.9	0.039				3	1	
		greywacke, weakly foliated at 60 deg, sharp lower contact at 60 deg, trace	593880	988.3	989.2	0.9	0.018				1	0.5	
		disseminated fine grained pyrite.	593881	989.2	990.2	1.0	<0.005				3	tr	
		987.4-992.2	593882	990.2	991.2	1.0	0.005				5	tr	
		Light grey dark green and pink grey nonmagnetic ankeritic pebble conglomerate	593883	991.2	992.2	1.0	0.012				1	tr	
		with 0.5-1.5 cm wide stretched quartz porphyry siltstone and mafic volcanic clasts											
		in a fine to medium grained clastic matrix, 0.5-1%, finely disseminated fine to											
		medium grained pyrite along foliation planes, 2%, 1-3 cm wide, white boudinaged											
		and drag-folded grey white quartz veining cross-cutting foliation.											
992.20	**996.40**	Conglomerate	593884	992.2	993.2	1.0	0.022				1		
		Grey green beige and pink magnetic ankeritic pebble to boulder conglomerate	593885	993.2	994.3	1.1	0.018				5		
		with 0.5-8 cm wide hematitic syenite quartz and feldspar porphyry siltstone	593886	994.3	995.4	1.1	0.038				5		
		greywacke and mafic volcanic clasts in a pink grey beige weakly sericitic altered	593887	995.4	996.4	1.0	0.042				3	tr	
		matrix, foliated at 80-85 deg, 1-10%, 1-5 cm wide red white grey drag-folded											
		greywacke ankerite quartz veining crosscutting foliation, trace pyrite along foliation											
		planes, lower contact marked by loss of magnetism.											
996.40	**1010.10**	Quartz Carbonate Vein Zone Altered Conglomerate	593888	996.4	997.4	1.0	0.062				25	1	
		996.4-1000.2	593889	997.4	998.3	0.9	0.053				25	1	
		Grey green white and beige nonmagnetic ankeritic pebble to boulder conglomerate	593890	998.3	999.2	0.9	0.011				5	2	
		same as above but clasts are bleached and silicified or sericitic, also conglomerate	593891	999.2	1000.2	1.0	0.007				15	1	
		has 3%, 1-2 tear drop quartz pebbles, 10-15%, 1-20 cm wide drag-folded	593892	1000.2	1001.2	1.0	0.007				10	2	
		boudinaged white grey beige and brown red hematitic or sericitic stained	593893	1001.2	1002.2	1.0	0.01				15	1	
		ankerite quartz veining cross-cutting and subparalel to foliation, 1%, fine to	593894	1002.2	1003.2	1.0	0.012				20	0.5	
		medium grained disseminated pyrite along vein contacts, fractures in veins and	593895	1003.2	1004.2	1.0	0.014				15	1	
		along foliation planes, trace chalcopyrite in some veins, some veins have sericitic	593896	1004.2	1005.2	1.0	0.009				15	1	

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		wallrocks while others are chloritic.	593897	1005.2	1006.2	1.0	0.008				25	1	
		1000.2-1010.1	593898	1006.2	1007.2	1.0	0.009				10	0.5	
		Grey green and light grey nonmagnetic pebble conglomerate with siltstone	593899	1007.2	1008.2	1.0	0.006				10	0.5	
		mudstone, quartz and sericitic volcanic clasts, 5-20 %, 1-5 cm wide fragmented	593900	Blank			<0.005						
		boudinaged brecciated quartz vein material with yellow white ankerite breccia matrix,	593901	Au Standard # 20			1.035		NSS				
		brecciated quartz may be primary clasts or a deformed quartz vein phase,	593902	1008.2	1009.2	1.0	0.009				5	0.5	
		0.5-1% finely disseminated pyrite in brecciated quartz and along foliation planes,	593903	1009.2	1010.1	0.9	0.008	<0.005			10	tr	
		weakly foliated at 80-85 deg, upper 2 m is matrix greywacke supported with few	593904	1010.1	1011.2	1.1	0.01				5	tr	
		clasts and contains up to 2% disseminated pyrite.	593905	1011.2	1012.1	0.9	0.007				8	tr	
1010.10	**1017.20**	Siltstone											
		Grey to dark grey nonmagnetic weakly ankeritic fine grained siltstone, weakly											
		bedded/foliated at 70 deg, 5%, 2-10 cm wide, white calcite veining parallel to											
		foliation, lower contact at 70 deg.											
1017.20	**1053.05**	Trachyte Lapilli Tuff and Tuff											
		Dark green grey pink red and grey strongly magnetic, calcitic trachyte lapilli											
		tuff with 1-2.5 cm wide pink red to pink white stretched trachyte clasts in a fine											
		to medium grained trachyte ash tuff matrix, 0.3-2 m wide tuff horizons with											
		no large clasts, moderately foliated/bedded at 70 deg, 3-5%, 1-10 mm wide											
		white and pink white calcite veining parallel to foliation and crosscutting at 30-40 deg											
		1020.5-1021.15	593906	1019.5	1020.5	1.0	<0.005				10		
		25%, pink salmon white grey quartz ankerite veins 2-10 cm wide with chloritic	593907	1020.5	1021.2	0.7	0.047				25	tr	
		contacts at 80 deg, trace pyrite along contacts.	593908	1021.2	1022.2	1.0	0.007				1		
		1043.0-1043.4	593909	1041.5	1042.5	1.0	<0.005				2		
		Pink salmon red hematitic quartz feldspar porphyry dyke with 3%, 2-3 mm rounded	593910	1042.5	1043.0	0.5	<0.005				10		
		dark grey quartz and 65%, 2-3%, grey silicified feldspar phenocrysts in a fine	593911	1043.0	1043.5	0.5	0.035				15	1	
		grained salmon pink felsic matrix, 15%, 2-10 mm wide grey and white ankerite	593912	1043.5	1044.7	1.2	<0.005				25		
		quartz lenses at 70-90 deg, 1% finely disseminated fine to medium grained pyrite,	593913	1044.7	1045.7	1.0	<0.005				1		
		sharp upper contact at 70 deg, lower contact at 90 deg, 10-20 cm wide pink											
		white grey irregular quartz ankerite calcite veining 50 cm above and 100 cm											
		below dyke, nonmagnetic.											
		1050.25-1050.82	593914	1050.2	1051.0	0.8	0.009				50		
		Ankerite quartz vein zone with 50%, 2-10 mm wide white grey ankerite quartz lenses	593915	1051.0	1052.0	1.0	0.005				1		
		at 70 deg in chloritic foliated matrix, lower contact marked by 6 cm wide grey	593916	1052.0	1053.0	1.0	0.009				2		
		quartz + ankerite vein at 70 deg.											
1053.05	**1065.70**	Quartz Feldspar Porphyry	593917	1053.0	1054.0	1.0	<0.005				3		
		1053.05-1057.0	593918	1054.0	1055.0	1.0	<0.005				2		
		Brick red magnetic strongly hematitic hard silicified quartz feldspar porphyry	593919	1055.0	1056.0	1.0	<0.005				15		
		60%, 2-4 mm hematitic altered feldspar phenocrysts and 3% grey white quartz	593920	1056.0	1057.0	1.0	<0.005				20		
		phenocrysts in a fine grained greenish red felsic matrix, 15%, 0.2-1.5 cm wide	593921	1057.0	1058.0	1.0	<0.005				5		
		off-white ankerite +- grey quartz irregular fracture controlled veining.	593922	1058.0	1059.0	1.0	0.005				8		
		upper contact at 80 deg.	593923	1059.0	1060.0	1.0	0.009	<0.005			5		
		1057.0-1060.0	593924	1060.0	1061.0	1.0	0.005				1		
		Not as hematitic altered darker red with 5% ankerite veining.	593925	Blank			<0.005						
		1060.1-1064.7	593926	Au Standard # 20			0.967						
		Dark red green <1% ankerite veining still hard, more chloritic altered than hematitic.	593927	1061.0	1062.0	1.0	<0.005				1		

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		1064.7-1065.7	593928	1062.0	1063.0	1.0	0.005				1		
		Brick red and dark green hematitic chloritic silicified quartz feldspar porphyry	593929	1063.0	1064.0	1.0	0.011				1		
		<1% ankerite veining, sharp lower contact at 70 deg.	593930	1064.0	1065.0	1.0	<0.005				10		
			593931	1065.0	1065.8	0.8	0.005				2		
1065.70	**1093.60**	Trachyte Lapilli Tuff											
		1065.7-1079.0											
		Dark green grey and red strongly magnetic weakly calcitic trachyte lapilli tuff											
		with 0.2-2 cm wide stretched red trachyte clasts in a fine to medium grained											
		green grey ash tuff matrix, moderately foliated at 80 deg, 1%, 1-5 mm pink											
		white calcite veining crosscutting foliation.											
		1079.0-1084.3											
		Tuffaceous conglomerate unit with more heterolithic clasts composition including											
		quartz porphyry and quartz clasts, foliated at 80 deg.											
		1084.3-1093.6											
		Dark green magnetic calcitic matrix-supported lapilli tuff with 10-15%, 1-3 cm wide											
		red trachyte syenite clasts in a chloritic trachyte tuff matrix.											
1093.60	**1102.80**	Trachyte Ash Tuff											
		Dark green grey strongly magnetic calcitic fine to medium grained trachyte ash											
		tuff, weakly foliated/bedded at 80 deg, 1-2%, 1-10 mm wide white calcite veining											
		parallel and cross-cutting foliation.											
1102.80	**1132.25**	Conglomerate											
		1102.8-1104.25											
		Green pink grey and grey weakly magnetic to magnetic conglomerate with											
		0.5- cm wide stretched syenite sediment volcanic and quartz clasts in a clastic											
		green mafic tuffaceous clastic matrix, foliated at 60 deg, lower contact at 70 deg,											
		upper contact poorly defined.											
		1104.25-1105.25											
		Dark green magnetic fine to medium grained chloritic trachyte ash tuff.											
		1105.25-1132.25	593932	1105.2	1105.9	0.7	0.024				15		
		Grey green pink grey and pink magnetic matrix-supported conglomerate mainly	593933	1105.9	1106.4	0.5	<0.005				50		
		with 0.-1.5 cm wide grey salmon pink quartz porphyry clasts and scattered sediment	593934	1106.4	1107.2	0.8	0.006				15		
		and volcanic clasts in a medium grained quartz rich greywacke matrix,	593935	1107.2	1108.2	1.0	0.007				1		
		foliated at 60-70 deg, weakly ankeritic and calcitic, 1%, 1-10 mm white calcite											
		veining, <15, 1-15 cm pink white grey irregular ankerite quartz veining mainly											
		proximal to upper contact.											
		1105.9-1106.4											
		Salmon pink red and white magnetic hematitic altered silicified quartz feldspar											
		porphyry dyke at 70 deg, 45%, 0.2-0.1 cm wide irregular white ankerite veining											
		and lenses at 0-40 deg, 3% 0.2-1 cm wide grey later quartz veins at 70 deg and											
		irregular blebs.15-20%, 1-15 cm wide irregular and drag-folded salmon pink											
		white and grey ankerite quartz veining 60 cm above dyke and 80 cm below dyke.											
		1129.33-1129.43	593936	1129.0	1129.5	0.5	0.015				20	tr	
		Grey white irregular quartz vein with minor ankerite at 60 deg, trace pyrite in											
		sericitic chloritic contacts and fractures.											
1132.25	**1151.55**	Trachyte Tuff To Lapilli Tuff											

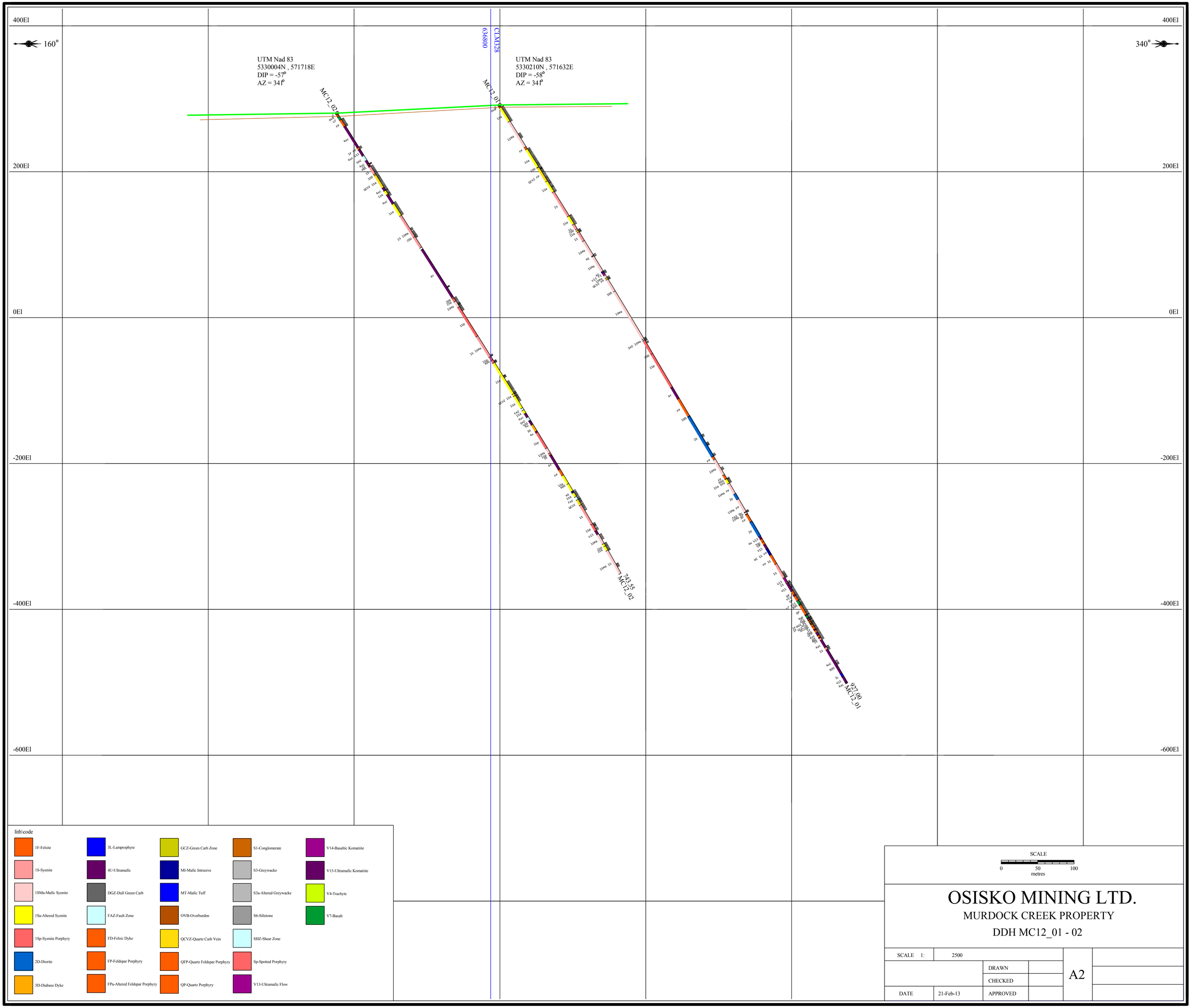
DESCRIPTION : Hole No. MC12_6														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		Green dark grey green and pink red magnetic calcitic trachyte medium grained tuff											
		to lapilli tuff with 0.2-1.5 cm wide red hematitic altered trachyte clasts in a fine											
		to medium grained green mafic trachyte ash tuff matrix, weakly to moderately											
		foliated at 70-85 deg, 1-2%, 1-10 mm wide white calcite veining parallel and											
		crosscutting foliation, scattered 1-15 cm wide white grey irregular ankerite quartz											
		veins at 80-90 deg, sharp lower contact at 60 deg.	593937	1138.5	1139.5	1.0	0.006				1		
		1139.55-1141.75	593938	1139.5	1140.5	1.0	0.012				5		
		10%, 0.5-15 cm wide white grey ankerite quartz veining at 80-90 deg.	593939	1140.5	1141.0	0.5	0.05				20		
			593940	1141.0	1141.8	0.8	0.011				5		
			593941	1141.8	1142.8	1.0	0.007				1		
1151.55	**1210.15**	Trachyte	593942	1151.6	1152.5	0.9	<0.005				2		
		1151.55-1153.5	593943	1152.5	1153.5	1.0	<0.005				1		
		Dark green and dark red magnetic chloritic to hematitic weakly pervasive and	593944	1153.5	1154.5	1.0	<0.005	<0.005			15	tr	
		fracture controlled calcite altered fine to medium grained massive trachyte	593945	1154.5	1155.5	1.0	<0.005				5	tr	
		with chloritic and hematitic altered mafic phenocrysts, hematite alteration increases	593946	1155.5	1156.5	1.0	0.007				10	0.5	ser
		with depth, lower contact defined by loss of magnetism.	593947	1156.5	1157.3	0.8	0.046				3	tr	ser
		1153.5-1157.3	593948	1157.3	1158.3	1.0	0.005				2		
		Dark red beige grey to grey and dark green, nonmagnetic hematitic and weakly											
		sericitic altered medium grained trachyte, weakly foliated at 70-80 deg, 10-20%											
		0.2-15 cm wide irregular white grey ankerite +- quartz veining at 70-90 deg,											
		trace finely disseminated pyrite.											
		1156.80-1156.85 and 1157.25-1157.30											
		Dark green chloritic healed faults at 50 and 60 deg.											
		1157.3-1161.8											
		Dark blue green and dark red strongly magnetic weakly calcitic massive fine to											
		medium grained trachyte with chloritic altered augites and hematitic altered											
		feldspar, 1-3%, 1-5 mm white calcite veining parallel to foliation and fracture											
		controlled at shallow angles.											
		1161.8-1199.5											
		Dark green grey to dark red purple red grey, strongly magnetic augite and											
		feldspar trachyte porphyry with 1-10%, 2-4 mm rectangular green white feldspar											
		and 10-20%, 2-3 mm dark green chloritic augite phenocrysts in purple red green											
		fine grained matrix, 1-2% 2-10 mm wide white calcite +- quartz veining at 30-90 deg.											
		increase in feldspar porphyry texture over patchy intervals of 5-5- cm.											
		1199.5-1210.15											
		Stronger feldspar porphyry texture of 20% weakly hematitic altered feldspar											
		phenocrysts, sharp lower contact at 50 deg											
1210.15	**1227.00**	Siltstone											
		Dark grey to grey and light grey, strongly magnetic fine grained siltstones, massive											
		to finely bedded at 50-40 deg, pervasive calcite alteration. 1-%, 1-10 mm wide											
		white calcite veining at 40-50 deg, lower contact at 80 deg.											
1227.00	**1248.10**	Trachyte Tuff											
		Grey and pink grey magnetic calcitic fine to medium grained trachyte tuff with											

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		pink grey hematitic trachyte clasts up to 2 mm, massive to bedded at 60-80 deg,											
		1%, 1-5 mm white calcite veining at 20-30 deg.											
		1237.75-1238.5											
		Dark black green magnetic fine grained disabuse dyke, broken upper contact											
		irregular lower contact with 20% calcite veining over 20 cm.											
		1247.0-1248.1	593949	1247.0	1248.1	1.1	<0.005				5		
		Green weakly chloritic magnetic weakly foliated at 80 deg, 5%, 1-5 mm pink white	593950	Blank			<0.005						
		calcite veining.	593951	Au Standard # 20			1.04		1.11				
1248.10	**1262.00**	Altered Feldspar Porphyry	593952	1248.1	1249.0	0.9	<0.005				2		
		1248.1-1257.0	593953	1249.0	1250.0	1.0	<0.005				3		
		Dark maroon red to green grey nonmagnetic weakly ankeritic hematitic weakly	593954	1250.0	1251.0	1.0	<0.005						
		silicified altered feldspar porphyry with 15-20 % 2-3 mm grey and white silicified	593955	1251.0	1252.0	1.0	<0.005				1		
		feldspar phenocrysts in a fine grained hematitic weakly sericitic altered felsic	593956	1252.0	1253.0	1.0	<0.005				1		
		matrix, possible quartz phenocrysts? Massive some blood red hematitic altered	593957	1253.0	1254.0	1.0	<0.005				1		
		fractures at 30-60 deg, 1-3 % irregular pink white ankerite quartz veining.	593958	1254.0	1255.0	1.0	<0.005						
			593959	1255.0	1256.0	1.0	<0.005						
			593960	1256.0	1257.0	1.0	<0.005				3		
		1257.0-1262.0	593961	1257.0	1258.0	1.0	<0.005				3	tr	
		Pink beige green grey silicified weakly sericitic altered feldspar porphyry with 25%,	593962	1258.0	1259.0	1.0	<0.005				1		
		1-3 mm white silicified altered feldspar in a fine grained sericitic siliceous felsic	593963	1259.0	1260.0	1.0	<0.005						
		matrix, 1-3 mm wide green blurred "chloritic" fractures at 60-100 deg, locally	593964	1260.0	1261.0	1.0	<0.005	<0.005					
		trace fine grained pyrite.	593965	1261.0	1262.0	1.0	<0.005						
1262.00	**1266.10**	Altered Pebble Conglomerate Greywacke	593966	1262.0	1263.0	1.0	<0.005						
		Light beige green grey to pink grey weakly ankeritic sericitic deformed pebble	593967	1263.0	1264.0	1.0	<0.005				1		
		conglomerate to greywacke with 0.1-1 cm wide stretched sediment volcanic	593968	1264.0	1265.0	1.0	<0.005						
		syenite and emerald green ultramafic clasts in a medium grained sericitic	593969	1265.0	1266.1	1.1	<0.005				1		
		greywacke matrix, moderately foliated at 45-55 deg, sharp upper contact at 70 deg.											
1266.10	**1392.30**	Altered Feldspar Porphyry	593970	1266.1	1267.0	0.9	<0.005				40		
		1266.1-1266.45	593971	1267.0	1268.0	1.0	<0.005				3		
		Orange salmon pink albite quartz vein at 45-35 deg with 20%, 1-10 mm wide	593972	1268.0	1269.0	1.0	<0.005				3		
		ankerite quartz veining perpendicular to contacts, wallrocks are albitized to 1267 m	593973	1269.0	1270.0	1.0	<0.005				2		
		below vein.	593974	1270.0	1271.0	1.0	<0.005				1		
		1266.45-1277.0	593975	Blank			<0.005						
		Light pink green beige nonmagnetic strongly silicified sericitic feldspar porphyry	593976	Au Standard # 20			1.025		1.07				
		grey to light feldspar phenocrysts are less prominent due to stronger alteration,	593977	1271.0	1272.0	1.0	<0.005				1		
		1-3 %, 1-3 mm wide bands and flecks of green "chlorite altered fractures",	593978	1272.0	1273.0	1.0	<0.005				1		
		<1%, pink white irregular 1-10 mm ankerite quartz veins and lenses,	593979	1273.0	1274.0	1.0	<0.005						
		locally trace pyrite	593980	1274.0	1275.0	1.0	<0.005						
			593981	1275.0	1276.0	1.0	<0.005						
			593982	1276.0	1277.0	1.0	<0.005						
		1277.0-1305.0	593983	1277.0	1278.0	1.0	<0.005						
		Pink beige grey to light grey green nonmagnetic silicified ankeritic altered	593984	1278.0	1279.0	1.0	<0.005	<0.005					
		feldspar porphyry. Core has the look of a healed hydrothermal breccia with 1-10 cm	593985	1279.0	1280.0	1.0	<0.005						
		subrounded to ellipsoid pink beige grey sericitic silicified albitized feldspar porphyry	593986	1280.0	1281.0	1.0	<0.005				1		
		fragments in a light green grey weakly sericitic "chloritic" less silicified matrix,	593987	1281.0	1282.0	1.0	<0.005				2		
		fragments and matrix are finely brecciated with a 20-30% beige white ankeritic	593988	1282.0	1283.0	1.0	<0.005				3		

DESCRIPTION : Hole No. MC12_6														
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
		breccia matrix, matrix and fragments were same original composition,	593989	1283.0	1284.0	1.0	<0.005				10		
		1-5%, 0.2-1.5 cm wide, light grey white quartz ankerite veining at 60-80 deg	593990	1284.0	1285.0	1.0	<0.005				3		
			593991	1285.0	1286.0	1.0	<0.005				2		
			593992	1286.0	1287.0	1.0	<0.005				5		
			593993	1287.0	1288.0	1.0	<0.005				5		
			593994	1288.0	1289.0	1.0	<0.005				2		
			593995	1289.0	1290.0	1.0	<0.005				2		
			593996	1290.0	1291.0	1.0	<0.005				3		
			593997	1291.0	1292.0	1.0	<0.005				1		
			593998	1292.0	1293.0	1.0	<0.005				3		
			593999	1293.0	1294.0	1.0	<0.005				5		
			594000	Blank			<0.005						
			419851	Au Standard # 20			1.005		NSS				
			419852	1294.0	1295.0	1.0	<0.005				2		
			419853	1295.0	1296.0	1.0	<0.005	<0.005			2		
			419854	1296.0	1297.0	1.0	<0.005				2		
			419855	1297.0	1298.0	1.0	<0.005				2		
			419856	1298.0	1299.0	1.0	<0.005				5		
			419857	1299.0	1300.0	1.0	<0.005				3		
			419858	1300.0	1301.0	1.0	<0.005				1		
			419859	1301.0	1302.0	1.0	<0.005				3		
			419860	1302.0	1303.0	1.0	0.006				3		
			419861	1303.0	1304.0	1.0	<0.005				2		
			419862	1304.0	1305.0	1.0	<0.005				1		
		1305-1310	419863	1305.0	1306.0	1.0	<0.005				1		
		Red pink increase in potassic/albitite/hematite alteration.	419864	1306.0	1307.0	1.0	0.008				1		
		1310-1328	419865	1307.0	1308.0	1.0	<0.005				3		
		Same as at 1277-1305 m.	419866	1308.0	1309.0	1.0	<0.005				2		
		1328-1330	419867	1309.0	1310.0	1.0	<0.005				3		
		Pink red stronger potassic/albitite/hematite alteration.	419868	1310.0	1311.0	1.0	<0.005				3		
		1330-1337	419869	1311.0	1312.0	1.0	<0.005				3		
		Light green grey to pink grey silicified ankeritic altered feldspar porphyry, more	419870	1312.0	1313.0	1.0	<0.005				8		
		massive than above intervals.	419871	1313.0	1314.0	1.0	<0.005				3		
			419872	1314.0	1315.0	1.0	<0.005	<0.005			1		
			419873	1315.0	1316.0	1.0	<0.005				1		
			419874	1316.0	1317.0	1.0	<0.005						
			419875	Blank			<0.005						
			419876	Au Standard # 20			0.97						
			419877	1317.0	1318.0	1.0	<0.005						
			419878	1318.0	1319.0	1.0	<0.005				3		
			419879	1319.0	1320.0	1.0	<0.005				5		
			419880	1320.0	1321.0	1.0	<0.005				1		
			419881	1321.0	1322.0	1.0	<0.005				1		
			419882	1322.0	1323.0	1.0	<0.005				3		
			419883	1323.0	1324.0	1.0	<0.005				3		
			419884	1324.0	1325.0	1.0	<0.005				2		
			419885	1325.0	1326.0	1.0	<0.005				2		
			419886	1326.0	1327.0	1.0	<0.005				5		
			419887	1327.0	1328.0	1.0	<0.005				1		

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
			419888	1328.0	1329.0	1.0	<0.005				2		
			419889	1329.0	1330.0	1.0	<0.005				1		
			419890	1330.0	1331.0	1.0	<0.005				1		
			419891	1331.0	1332.0	1.0	<0.005				1		
			419892	1332.0	1333.0	1.0	<0.005	<0.005			1		
			419893	1333.0	1334.0	1.0	<0.005				2		
			419894	1334.0	1335.0	1.0	<0.005				10		
			419895	1335.0	1336.0	1.0	<0.005				1		
			419896	1336.0	1337.0	1.0	<0.005				3		
		1337.0-1362.4	419897	1337.0	1338.0	1.0	<0.005				3		
		Dark pink salmon 5-20 cm wide potassic albitized silicified ankeritic altered	419898	1338.0	1339.0	1.0	<0.005				2		
		feldspar porphyry "fragments" in a light grey green weakly chloritic sericitic	419899	1339.0	1340.0	1.0	<0.005						
		silicified ankeritic altered feldspar porphyry matrix, 1-5%, 0.2-3 cm wide white	419900	Blank			<0.005						
		light grey ankerite quartz veins and lenses at 40-80 deg, sericitic wavy waxy	419901	Au Standard # 20			0.986						
		sericitic fractures at 30-60 deg, minor traces of fine grained pyrite	419902	1340.0	1341.0	1.0	<0.005				2		
		along fractures.	419903	1341.0	1342.0	1.0	<0.005				2		
			419904	1342.0	1343.0	1.0	<0.005				1		
			419905	1343.0	1344.0	1.0	<0.005				1		
			419906	1344.0	1345.0	1.0	<0.005				3		
			419907	1345.0	1346.0	1.0	<0.005				3		
			419908	1346.0	1347.0	1.0	<0.005				1		
			419909	1347.0	1348.0	1.0	<0.005				1		
			419910	1348.0	1349.0	1.0	<0.005				3		
			419911	1349.0	1350.0	1.0	<0.005				5		
			419912	1350.0	1351.0	1.0	<0.005	<0.005			10		
			419913	1351.0	1352.0	1.0	<0.005				2		
			419914	1352.0	1353.0	1.0	<0.005				2		
			419915	1353.0	1354.0	1.0	<0.005				5		
			419916	1354.0	1355.0	1.0	<0.005				5		
			419917	1355.0	1356.0	1.0	<0.005				10		
			419918	1356.0	1357.0	1.0	<0.005				5		
			419919	1357.0	1357.8	0.8	<0.005				10		
			419920	1357.8	1358.7	0.9	<0.005				20		
			419921	1358.7	1359.7	1.0	<0.005				5		
			419922	1359.7	1360.6	0.9	<0.005				1		
			419923	1360.6	1361.7	1.1	<0.005				15		
			419924	1361.7	1362.4	0.7	<0.005				10		
			419925	Blank			<0.005						
			419926	Au Standard # 20			1.005		1.1				
		1362.4-1373.1	419927	1362.4	1363.4	1.0	<0.005				15		
		Bright orange red strongly albitized hematitic silicified ankeritic altered feldspar	419928	1363.4	1364.0	0.6	<0.005				3		
		porphyry with obscure white to light grey altered silicified feldspar phenocrysts	419929	1364.0	1365.0	1.0	<0.005				5		
		in a fine grained altered syenite matrix, 1-10%, 0.1-10 cm wide white and light grey	419930	1365.0	1366.0	1.0	<0.005				3		
		ankerite quartz veining at 40-70 deg.	419931	1366.0	1367.0	1.0	<0.005				15		
			419932	1367.0	1368.0	1.0	<0.005				5		
			419933	1368.0	1369.0	1.0	<0.005				5		
			419934	1369.0	1370.0	1.0	<0.005				3		
			419935	1370.0	1371.0	1.0	<0.005				2		
			419936	1371.0	1372.0	1.0	<0.005				3		

DESCRIPTION : Hole No. MC12_6													
From (m)	To (m)	Description	Sample Number	From	To	Length	Au g/t	Au Chk	Au Grav	Au Chk	Qcv (%)	Pyrite (%)	
			419937	1372.0	1373.1	1.1	<0.005				5		
		1373.1-1383.0	419938	1367.0	1374.0	1.0	<0.005				3		
		Grey and pink salmon nonmagnetic ankeritic albitized silicified feldspar porphyry	419939	1374.0	1375.0	1.0	<0.005				3		
		with 60-70%, grey to light white grey 2-3 mm silicified feldspar phenocrysts	419940	1375.0	1376.0	1.0	<0.005				3		
		in a fine grained albitized felsic matrix, 5-15%, 0.2-2 cm wide white grey ankerite	419941	1376.0	1377.0	1.0	<0.005				3		
		quartz veining at 60-70 deg, 1-2% 0.5-1 cm light grey later quartz +- quartz veining	419942	1377.0	1378.0	1.0	<0.005				5		
		at 30-50 deg.	419943	1378.0	1379.0	1.0	<0.005				15		
			419944	1379.0	1380.0	1.0	<0.005				10		
			419945	1380.0	1381.0	1.0	<0.005				5		
			419946	1381.0	1382.0	1.0	<0.005				2		
			419947	1382.0	1383.0	1.0	<0.005				5		
		1383-1392.3	419948	1383.0	1384.0	1.0	<0.005				1	tr	
		Light beige grey nonmagnetic weakly sericitic ankeritic silicified feldspar porphyry	419949	1384.0	1385.0	1.0	<0.005				1	tr	
		70-80%, 2-3 mm light grey to grey silicified feldspar porphyry phenocrysts in	419950	Blank			<0.005	<0.005					
		a fine grained sericitic ankeritic felsic matrix, 1-3 mm white ankerite +- quartz	419951	Au Standard # 20			1.025		1.18				
		veining at 30-80 deg trace to 0.5% finely disseminated fine grained pyrite.	419952	1385.0	1386.0	1.0	<0.005					tr	
			419953	1386.0	1387.0	1.0	<0.005					tr	
			419954	1387.0	1388.1	1.0	<0.005					0.5	
			419955	1388.1	1389.2	1.0	<0.005				2	0.5	
			419956	1389.2	1390.2	1.0	<0.005				5	0.5	
			419957	1390.2	1391.3	1.0	<0.005				3	0.5	
			419958	1391.3	1392.3	1.0	<0.005				1	0.5	
	1392.30	EOH											
		Last driller block is 1400 m but 3 m blocks missing at 1364 m and 1370 m.											
		Casing left in hole.											


400El
160°
340°
200El
0El
-200El
-400El
-600El
UTM Nad 83
5330004N , 571718E
DIP = -57°
AZ = 34°
UTM Nad 83
5330210N , 571632E
DIP = -58°
AZ = 34°
636800
CLM328
MC12_02
MC12_01
733.55
MC12_02
937.00
MC12_01
lith\code
1F-Felsite
1S-Syenite
1SMa-Mafic Syenite
1Sa-Altered Syenite
1Sp-Syenite Porphyry
2D-Diorite
3D-Diabase Dyke
3L-Lamprophyre
4U-Ultramafic
DGZ-Dull Green Carb
FAZ-Fault Zone
FD-Felsic Dyke
FP-Feldspar Porphyry
FPa-Altered Feldspar Porphyry
GCZ-Green Carb Zone
MI-Mafic Intrusive
MT-Mafic Tuff
OVB-Overburden
QCVZ-Quartz Carb Vein
QFP-Quartz Feldspar Porphyry
QP-Quartz Porphyry
S1-Conglomerate
S3-Greywacke
S3a-Altered Greywacke
S6-Siltstone
SHZ-Shear Zone
Sp-Spotted Porphyry
V13-Ultramafic Flow
V14-Basaltic Komatiite
V15-Ultramafic Komatiite
V4-Trachyte
V7-Basalt
SCALE
0
50
100
metres
OSISKO MINING LTD.
MURDOCK CREEK PROPERTY
DDH MC12_01 - 02
SCALE 1: 2500
DRAWN
CHECKED
DATE 21-Feb-13
APPROVED
A2

400El

160°

CLM400

4240422

636706

4240422

340°

UTM Nad 83
5330120N , 571877E
DIP = -55°
AZ = 161°

MC12_03

200El

0El

-200El

-400El

-600El

MC12_03
1030'40

lith\code

1F-Felsite	3L-Lamprophyre	GCZ-Green Carb Zone	S1-Conglomerate	V14-Basaltic Komatiite
1S-Syenite	4U-Ultramafic	MI-Mafic Intrusive	S3-Greywacke	V15-Ultramafic Komatiite
1SMa-Mafic Syenite	DGZ-Dull Green Carb	MT-Mafic Tuff	S3a-Altered Greywacke	V4-Trachyte
1Sa-Altered Syenite	FAZ-Fault Zone	OVB-Overburden	S6-Siltstone	V7-Basalt
1Sp-Syenite Porphyry	FD-Felsic Dyke	QCVZ-Quartz Carb Vein	SHZ-Shear Zone	
2D-Diorite	FP-Feldspar Porphyry	QFP-Quartz Feldspar Porphyry	Sp-Spotted Porphyry	
3D-Diabase Dyke	FPa-Altered Feldspar Porphyry	QP-Quartz Porphyry	V13-Ultramafic Flow	

SCALE
0 50 100
metres

OSISKO MINING LTD.

MURDOCK CREEK PROPERTY

DDH MC12_03

SCALE 1:	2500		A2
		DRAWN	
		CHECKED	
DATE	21-Feb-13	APPROVED	

400El

160°

200El

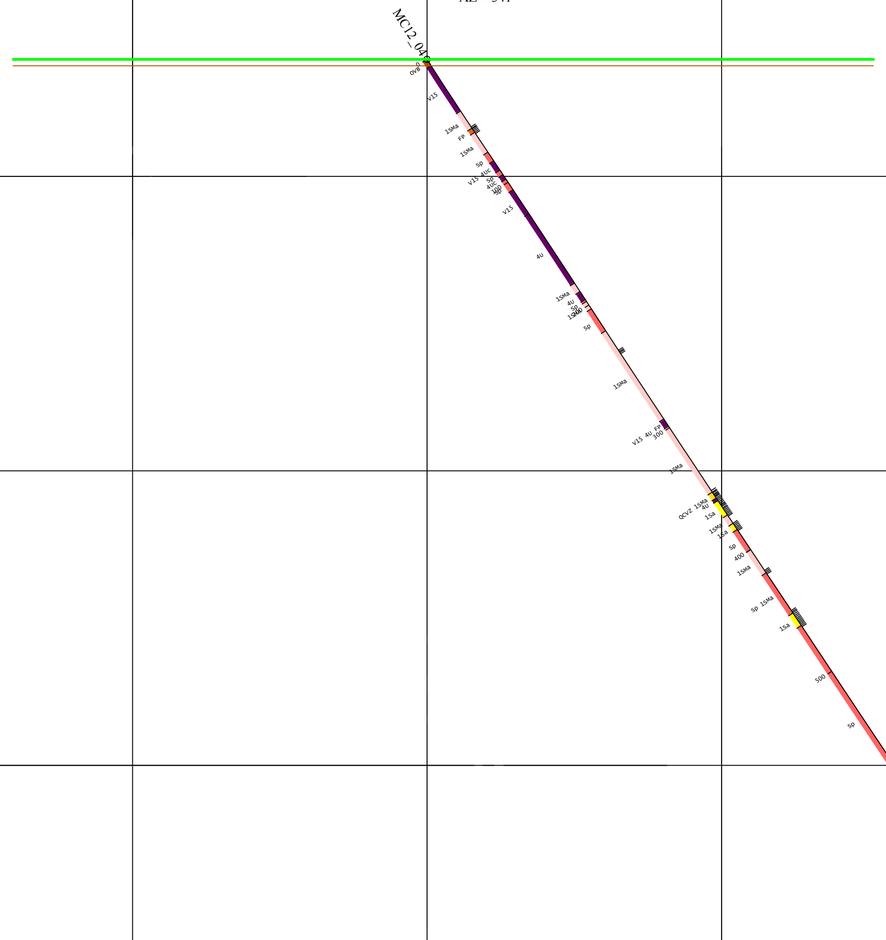
0El

-200El

-400El

-600El

340°



636798

CLM328

lith\code

- 1F-Felsite
- 1S-Syenite
- 1SMa-Mafic Syenite
- 1Sa-Altered Syenite
- 1Sp-Syenite Porphyry
- 2D-Diorite
- 3D-Diabase Dyke
- 3L-Lamprophyre
- 4U-Ultramafic
- DGZ-Dull Green Carb
- FAZ-Fault Zone
- FD-Felsic Dyke
- FP-Feldspar Porphyry
- FPa-Altered Feldspar Porphyry
- GCZ-Green Carb Zone
- MI-Mafic Intrusive
- MT-Mafic Tuff
- OVB-Overburden
- QCVZ-Quartz Carb Vein
- QFP-Quartz Feldspar Porphyry
- QP-Quartz Porphyry
- S1-Conglomerate
- S3-Greywacke
- S3a-Altered Greywacke
- S6-Siltstone
- SHZ-Shear Zone
- Sp-Spotted Porphyry
- V13-Ultramafic Flow
- V14-Basaltic Komatiite
- V15-Ultramafic Komatiite
- V4-Trachyte
- V7-Basalt

SCALE
0 50 100
metres

OSISKO MINING LTD.

MURDOCK CREEK PROPERTY

DDH MC12_04

SCALE 1:	2500			A2
		DRAWN		
		CHECKED		
DATE	21-Feb-13	APPROVED		

400El

160°

200El

0El

-200El

-400El

-600El

636800

636799

636799

CLM328

UTM Nad 83
5330021N , 571499E
DIP = -58°
AZ = 340°

MC12_05

543.00

340°

400El

200El

0El

-200El

-400El

-600El

lith\code

1F-Felsite	3L-Lamprophyre	GCZ-Green Carb Zone	S1-Conglomerate	V14-Basaltic Komatiite
1S-Syenite	4U-Ultramafic	MI-Mafic Intrusive	S3-Greywacke	V15-Ultramafic Komatiite
1SMa-Mafic Syenite	DGZ-Dull Green Carb	MT-Mafic Tuff	S3a-Altered Greywacke	V4-Trachyte
1Sa-Altered Syenite	FAZ-Fault Zone	OVB-Overburden	S6-Siltstone	V7-Basalt
1Sp-Syenite Porphyry	FD-Felsic Dyke	QCVZ-Quartz Carb Vein	SHZ-Shear Zone	
2D-Diorite	FP-Feldspar Porphyry	QFP-Quartz Feldspar Porphyry	Sp-Spotted Porphyry	
3D-Diabase Dyke	FPa-Altered Feldspar Porphyry	QP-Quartz Porphyry	V13-Ultramafic Flow	

SCALE
0 50 100
metres

OSISKO MINING LTD.

MURDOCK CREEK PROPERTY

DDH MC12_05

SCALE 1:	2500			A2
		DRAWN		
		CHECKED		
DATE	21-Feb-13	APPROVED		

400El

160°

CLM328

UTM Nad 83
5330769N , 571737E
DIP = -60°
AZ = 340°

MC12_00

200El

0El

-200El

-400El

-600El

CLM328

340°

400El

200El

0El

-200El

-400El

-600El

1392.20
MC12_06

lith\code

1F-Felsite	3L-Lamprophyre	GCZ-Green Carb Zone	S1-Conglomerate	V14-Basaltic Komatiite
1S-Syenite	4U-Ultramafic	MI-Mafic Intrusive	S3-Greywacke	V15-Ultramafic Komatiite
1SMa-Mafic Syenite	DGZ-Dull Green Carb	MT-Mafic Tuff	S3a-Altered Greywacke	V4-Trachyte
1Sa-Altered Syenite	FAZ-Fault Zone	OVB-Overburden	S6-Siltstone	V7-Basalt
1Sp-Syenite Porphyry	FD-Felsic Dyke	QCVZ-Quartz Carb Vein	SHZ-Shear Zone	
2D-Diorite	FP-Feldspar Porphyry	QFP-Quartz Feldspar Porphyry	Sp-Spotted Porphyry	
3D-Diabase Dyke	FPa-Altered Feldspar Porphyry	QP-Quartz Porphyry	V13-Ultramafic Flow	

SCALE
0 50 100
metres

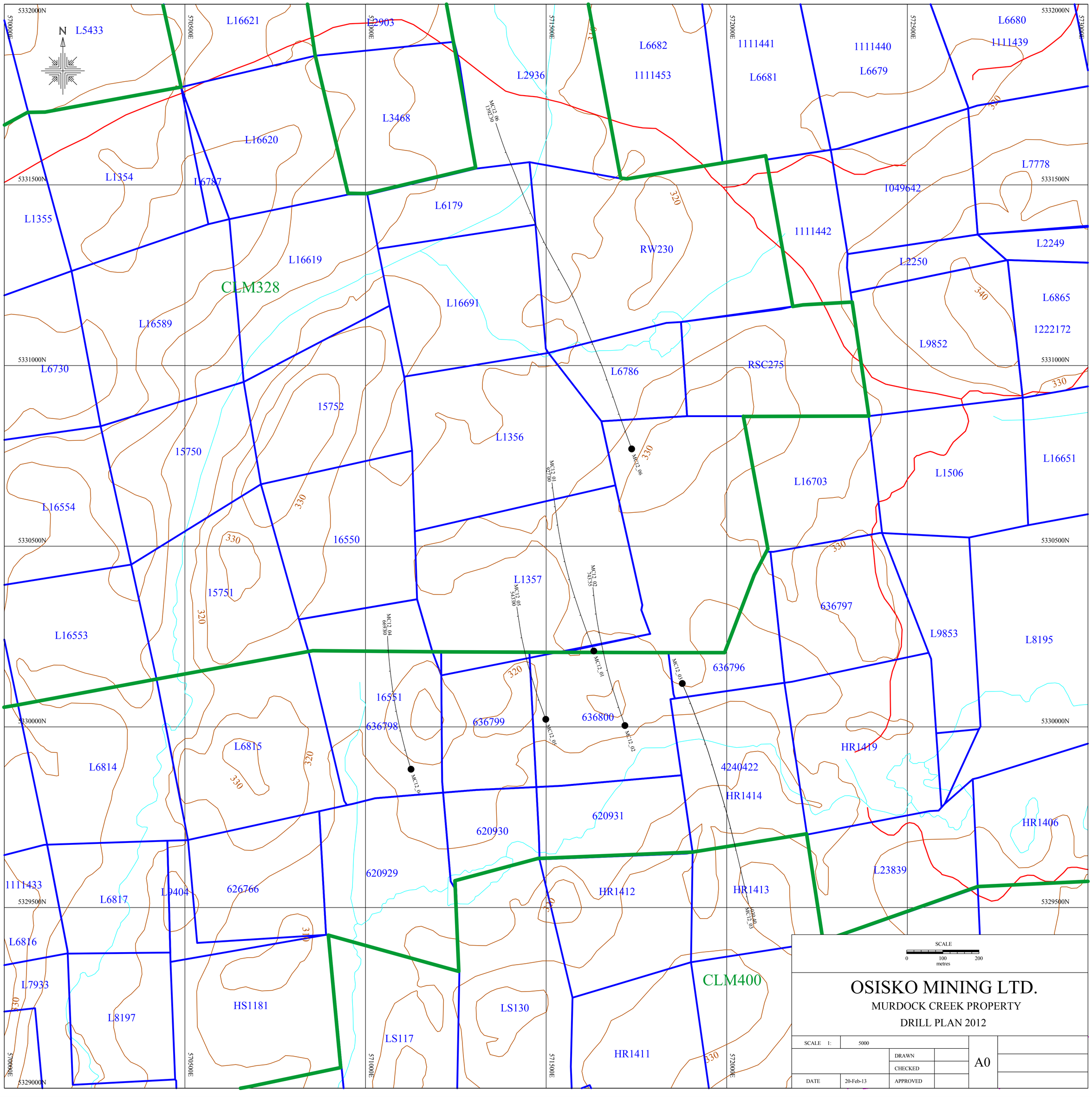
OSISKO MINING LTD.

MURDOCK CREEK PROPERTY

DDH MC12_06

SCALE 1:	2500			A2
		DRAWN		
		CHECKED		
DATE	21-Feb-13	APPROVED		

HOLE	CLAIM	FROM (m)	TO (m)	CLAIM	FROM (m)	TO (m)	CLAIM	FROM (m)	TO (m)
MC12_01	CLM328 lease#106667	0	927 EOH						
MC12_02	636800	0	395	CLM328 lease#106667	395	743.55 EOH			
MC12_03	636796	0	67	4240422	67	782	CLM 400 lease#106583	782	1030.4EOH
MC12_04	636798	0	597	CLM328 lease#106667	597	669.8 EOH			
MC12_05	636800	0	230	636799	230	332	CLM328 lease#106667	332	543 EOH
MC12_06	CLM328 lease#106667	0	1392.3 EOH						



SCALE
0 100 200
metres

OSISKO MINING LTD.

MURDOCK CREEK PROPERTY

DRILL PLAN 2012

SCALE 1:	5000			A0
		DRAWN		
		CHECKED		
DATE	20-Feb-13	APPROVED		