

Assessment Report on a Diamond
Drilling Project
Conducted
From November 2006 to December
2006

Larder Lake Mining Division
District of Cochrane
NTS: 42A/9



GOLDEN CHALICE
RESOURCES INC

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Draft	October 30, 2008	For review
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Executive Summary

The Abitibi East Property, held by Golden Chalice Resources Inc., is situated 75 km northeast of Timmins, Ontario. It was, at the time of the work described herein, comprised of 80 non-contiguous unpatented mining claims (836 units) located in the Larder Lake Mining Division.

In 2005 and 2006, widely spaced holes drilled by Golden Chalice discovered anomalous zinc and copper sulphide mineralization across significant widths. One hole returned 1.25% zinc, 0.04% copper and 0.13% lead over 4.5 m in rhyolitic tuffs, breccias, and altered mafic volcanics. These recent and historical drill intersections have traced an almost 6 kilometres of strike length of a VMS favourable stratigraphy on the East Abitibi Property. Drill intercepts are thought to represent a halo of mineralization that occurs proximal to volcanic vents where massive sulphides similar to Kidd Creek would be deposited.

The property is underlain by a felsic volcanic sequence comprised of a rhyolite breccia/tuff horizon crosscut by a major northwest-southeast trending fault known as the Shallow River fault system. The presence of structural controls such as the Shallow River fault and lithological settings such as felsic fragmental rocks are features commonly associated with most volcanogenic massive sulphide deposits.

From November 13th to December 15th, 2006, Golden Chalice Resources Inc. completed eight (8) diamond drill holes for a total of 1,637.70m, as a follow-up to early drilling completed by Golden Chalice Resources Inc. Anomalous Zn (sphalerite), Cu (chalcopyrite) and Pb (galena) mineralization was found adjacent to and within a fault zone (presumed to be the Shallow River fault) and graphitic argillite beds.

Further drilling is recommended to define a source for this mineralization.

Table of Contents

INTRODUCTION	1
LOCATION AND ACCESS	2
TOPOGRAPHY AND CLIMATE	3
PROPERTY DESCRIPTION	3
PREVIOUS WORK.....	5
REGIONAL GEOLOGY	6
PROPERTY GEOLOGY.....	9
DISCUSSION OF CORE DRILLING.....	11
CONCLUSIONS AND RECOMMENDATIONS	14
REFERENCES	15
CERTIFICATE OF QUALIFICATIONS	16

LIST OF FIGURES

Figure 1. Property Location.....	2
Figure 2. Abitibi East Project Claims Status November, 2006.....	4
Figure 3. Regional Geology of the Abitibi East Property.....	8
Figure 4. Property Geology of the Abitibi East Property	10
Figure 5. Drill Hole Location Plan.....	12

LIST OF TABLES

Table 1. Summary of Drill Hole Statistics.....	11
Table 2. Drill Hole Log Summary	13

APPENDICES

Appendix A – Schedule of Claims.....	18
Appendix B - Drill Logs.....	22
Appendix C - Assay Certificates.....	23

Introduction

Golden Chalice Resources' Abitibi East property is comprised of (as of November 13th, 2006) a total of 80 unpatented mining claims totaling 836 units. The property is held 100% by Golden Chalice Resources Inc.

In November of 2006, Golden Chalice conducted a diamond drilling program in it's continuing efforts to define a volcanogenic massive sulphide body within the vicinity of the Shallow River fault in the Abitibi Greenstone Belt. This report describes the method and results of that work.

Location and Access

The Abitibi East Property is situated 65 kilometers northwest of Kirkland Lake Ontario. The project is located within Beatty, Coulson, Knox, Kerrs, McCool, Milligan, Munro, Rickard, Warden and Wilkie townships of the Larder Lake Mining Division. The latitude and longitude of the property, NTS 42 A/NE, is 48 42'N and 80 18' W. The property is accessible by a network of logging roads, north off Highway 101 near the Perry Lake Lodge (Caldbick, 2007).

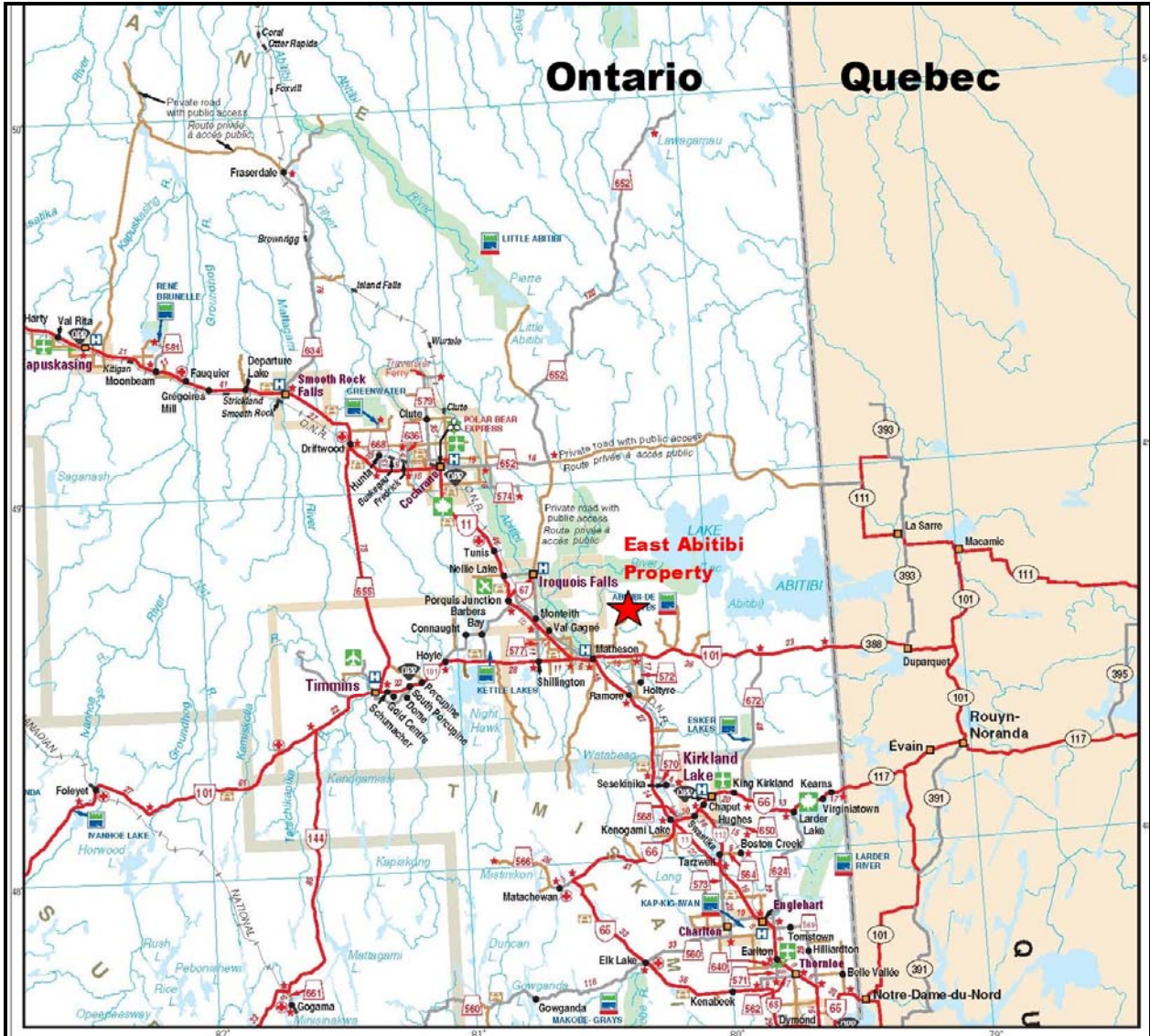


Figure 1. Property Location

Topography and Climate

The topography of the Abitibi East Project is flat to gently rolling. Outcrop exposure is low, approximately 1 to 3%. The majority of the property is covered by spruce bog, cedar bog and muskeg. Drainage is influenced by a number of small creeks which generally drain to the northwest. The climate of the project area is warm and dry in the summer months from May to September and cold and snowy from November to March. Temperatures range from +30 Celsius in the summer to -30 Celsius in the winter (Caldbick, 2007).

Property Description

At the time of the diamond drilling project describe in this report, the property consisted of 80 unpatented, non-contiguous mining claims (836 units) in Coulson, Kerrs, Knox, McCool, Munro, Rickard and Warden townships. The property was approximately 33,388 hectares in size and wholly owned by Golden Chalice Resources Inc. A schedule of claims active during the drilling program can be found in Appendix A.

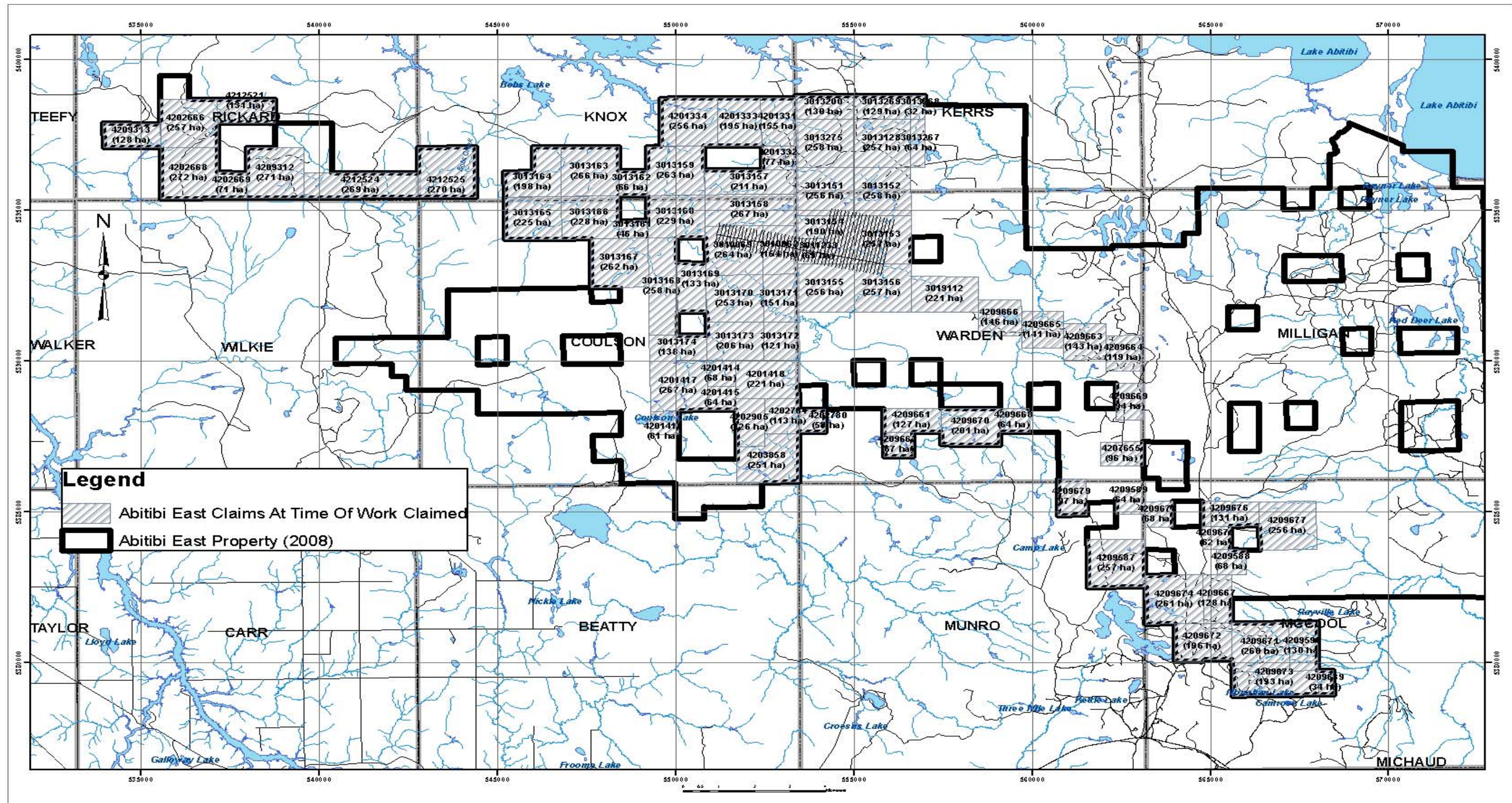


Figure 2. Abitibi East Project Claims Status November, 2006

Previous Work

The Abitibi East Project has received only sporadic exploration work for both VMS mineralization and gold mineralization. Earliest reported work dates back to 1960 when the Ontario Department of Mines completed a mapping program of Coulson Township.

Ontario Department of Mines and Energy (1960-1961)

Geological mapping was completed on the Coulson and Knox townships at a 1:1/4 mile scale (Ginn and Leahy, 1961). The majority of the property is covered by spruce and cedar swamps making geological interpretation difficult. A number of massive and pillowed mafic flows and gabbro intrusions were identified.

Canadian Nickel Company Ltd. (1962-1965)

Between 1962 and 1965 the Canadian Nickel Company Ltd. completed an airborne magnetometer and EM survey. The survey was not submitted for assessment so the results are unknown.

Area Mines Ltd. (1964-1968)

Between 1964 and 1968 Area Mines Ltd. completed ground magnetometer and VLF surveys, geological mapping and drilled 3 holes. Significant mineralization was intersected in all three holes. DDH-7 intersected numerous sections of rhyolite, brecciated rhyolite and porphyritic rhyolite with scattered sections of pyrite and chalcopyrite mineralization including **1.5% Cu over 0.76 meters**. Area Mines Ltd. did not report any follow up work on the property.

Noranda Exploration (1965)

In 1965, Noranda Exploration completed ground magnetometer, VLF, JEM surveys and geological mapping. Noranda did not report any follow up work.

Abitibi Paper Company Ltd. (1974)

In 1974, Abitibi Paper Company Ltd. completed an airborne EM and magnetometer survey over Coulson Township. Abitibi did not report any follow up work on the property.

McIntyre Mines Ltd. (1975)

In 1975 McIntyre Mines Ltd. completed a ground HLEM and magnetometer survey over claims in north central Coulson Township. Drilling was recommended but the work was never completed.

Teck Corporation Ltd. (1975)

In 1975 Teck corporation carried out a basal till sampling program which included 12 overburden holes. Teck did not report any significant results.

Amax Minerals Ltd. (1980)

In 1980 Amax Minerals Ltd. completed a mapping program on a property in the northwest corner of Warden Township which included the one Shallow River claim in Warden Township. They also completed an airborne magnetometer and EM survey over most of Coulson Township. Amax did not report any follow up work.

O.G.S. (1984)

In 1987 the O.G.S. completed an overburden sonic drill program over a small portion of the Shallow River project. One hole in the southern portion of the project returned 11 grains of gold interpreted as highly anomalous.

Hedman Resources (1987-88)

Between 1987 and 1988 Hedman Resources completed HLEM and magnetometer surveys. Hedman did not report any follow up work.

Asarco Exploration Company of Canada Ltd. (1989)

In 1989 Asarco completed 15 reverse circulation holes to detail a gold till anomaly identified in the 1987 O.G.S. sonic drill program. The drilling failed to identify any significant gold anomalies. Asarco did not report any further work.

Noranda Exploration Company Ltd. (1992)

In 1992 Noranda Exploration completed HLEM, magnetometer and geological mapping surveys over the majority of what is now referred to as the Abitibi East Project. Two distinct bands of felsic volcanics were identified during the mapping program. A number of strong HLEM anomalies were also identified, many of which are located within the felsic volcanics. Noranda recommended drill testing three of these anomalies but never carried out the drill program.

Sterling Pacific Resources Inc. (1997-98)

In 1997 and 1998 Sterling Pacific Resources Inc. optioned the property and completed linecutting and HLEM surveys over the property. A number of strong HLEM anomalies were identified through the survey.

Sterling Pacific Resources Inc. (1998)

Between March and April 1998 Sterling Pacific Resources Inc. completed an eight hole, 1,055 meter diamond drill exploration program on the Shallow River Project. Two diamond drill holes SR-98-4 and SR-98-8 situated 75 meters apart along the same section intersected a rhyolite porphyry with significant intersections of **1.0% Zn, 0.02% Cu, .28% Pb over 6.9 meters** in SR-98-4 and **1.01% Zn, 0.02% Cu, 0.19% Pb over 5.0 meters** in SR-98-8.

Regional Geology

The Abitibi East project is located in the Abitibi Greenstone Belt of the Superior province of the Canadian Shield. The Abitibi Greenstone belt is a large granite-greenstone terrane some 150,000 km² in area extending from lake Superior in north-central Ontario through into Quebec. Metamorphic grade varies from greenschist to lower amphibolite facies. The Abitibi Greenstone belt is the most prolific Archean terrain in terms of copper-zinc sulphide mineralization and gold mineralization.

Major east and northeast trending growth faults (Destor Porcupine Deformation Zone, Cadillac-Larder Deformation Zone) were active throughout the main periods of

volcanism and became the focus of a late period of alkaline volcanism and sedimentation between 2680 and 2677 Ma (Corfu et al 1989). These deformation zones are the focus of most of the major gold deposits found in the Kirkland Lake and Timmins camps. In excess of 120 million ounces of gold has been produced from mines associated with these two structures.

The project is situated in the Duff-Coulson-Rand assemblage and the Stoughton Roquemaure assemblage (Figure 2). The Duff-Coulson-Rand Assemblage is a 5 km wide northwest southeast sequence of felsic volcanic rocks and clastic sedimentary rocks (Jackson, 1991). The extent of this assemblage is defined by the low magnetic signature relative to the adjacent assemblages. The Duff-Coulson assemblage occurs between the north and middle branches of the Porcupine-Destor deformation zone. The northern portion of the Abitibi East Project may be situated within the Stoughton-Roquemaure Assemblage. The Stoughton-Roquemaure assemblage consists of an east striking, south facing sequence of peridotitic and basaltic komatiite, magnesium and iron rich tholeiite, chert, iron formation and felsic tuff horizons (Jensen and Langford, 1985).

Several past producing mines and a number of significant showings are situated in the area. The Potter Mine located in central Munro Township produced 485,000 tonnes at **1.63% Cu, 1.57% Zn** from 1967 to 1972. The Potterdoal Property situated in north central Munro Township produced 25 tons of ore at a grade of 15% Cu. Mineralization in both instances occurs in thin hyaloclastite and interflow beds within a tholeiitic to komatiitic sequence (Caldbeck, 2007).

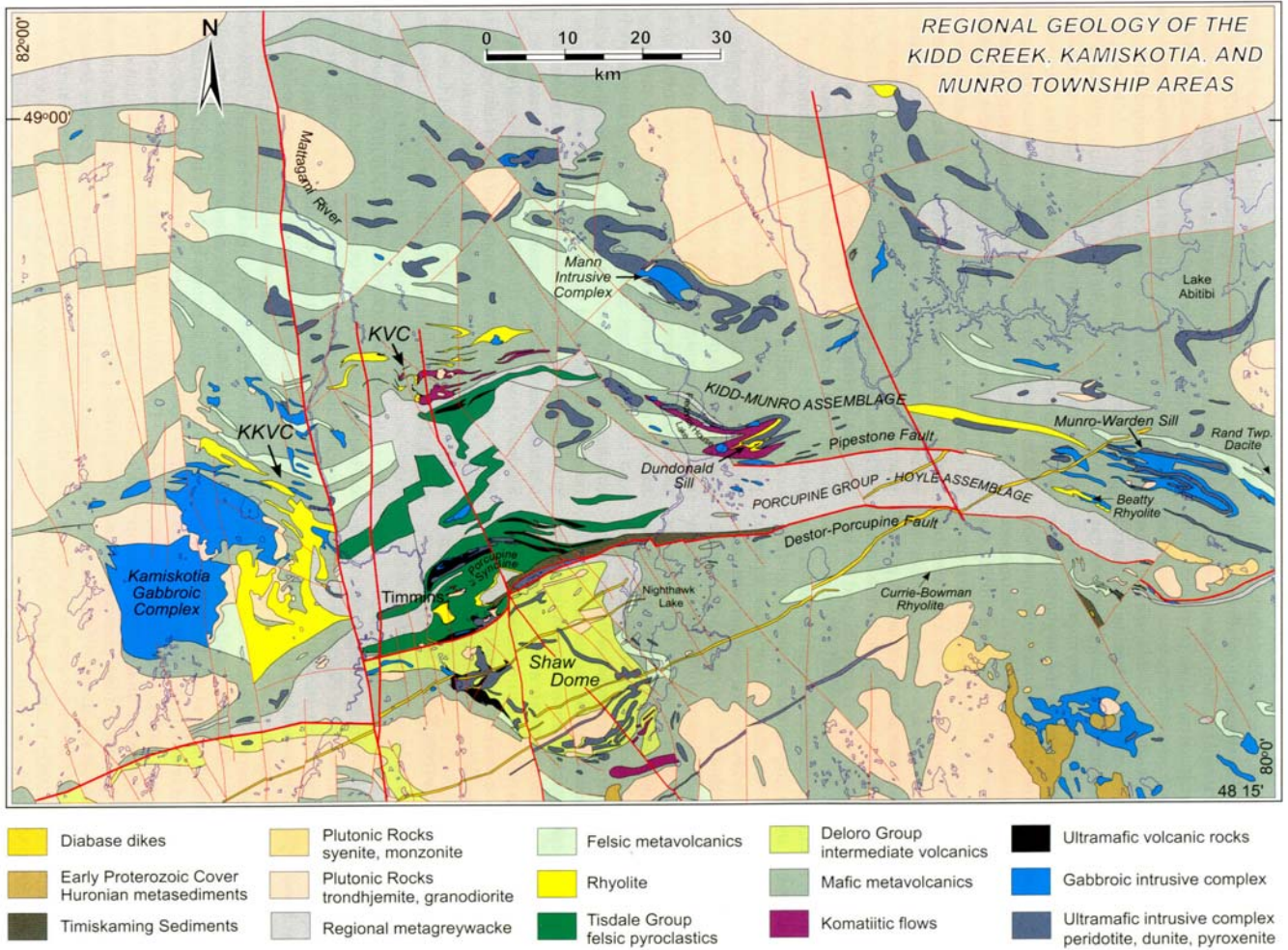


Figure 3. Regional Geology of the Abitibi East Property
(Modified from Hannington et al., 1999)

Property Geology

The Abitibi East Project is underlain in the north by mafic volcanic rocks of the Stoughton-Roquemaure Assemblage and in the central and south by felsic volcanic and sedimentary rocks belonging to the Duff-Rand-Coulson Assemblage. The felsic volcanic sequence in the central portion of the property is the key target of exploration on the Abitibi East Project. The felsic volcanic sequence is approximately 400 meters wide and hosts a number of strong airborne EM anomalies. All rocks are intruded by gabbroic sills and dykes which are in turn cut by later felsic dykes and northeast trending diabase dykes. The regionally extensive Shallow River fault is interpreted to pass through the property proximal to the location of the narrow felsic volcanic horizon (Caldbeck, 2007).

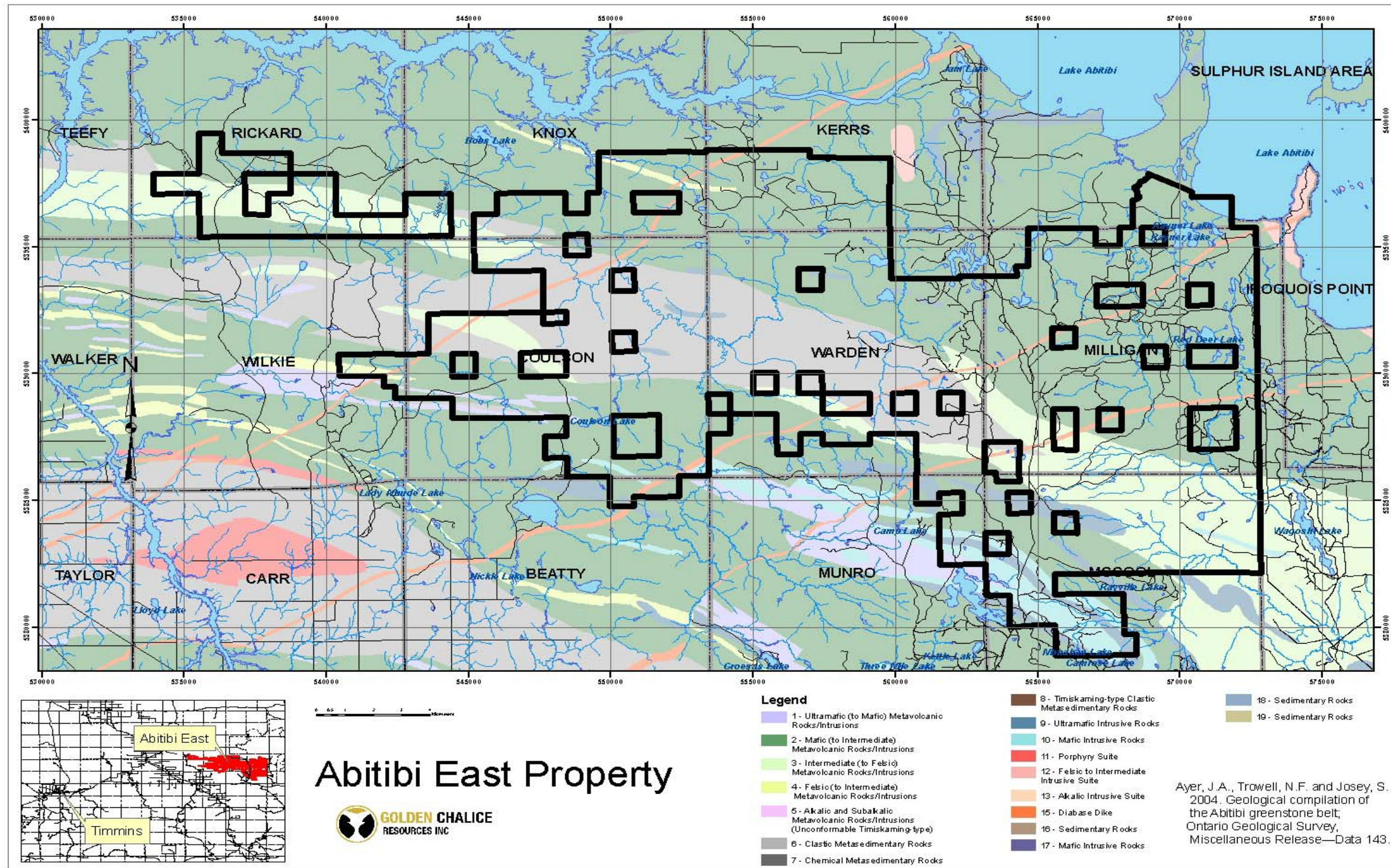


Figure 4. Property Geology of the Abitibi East Property

Discussion of Core Drilling

The eight (8) diamond drill holes (GCAE-06-22 to GCAE-06-28 inclusive) covered by this report are a continuation of a drilling program begun in July of 2006. An earlier report describes the method and results of holes GCAE-06-01 to GCAE-06-21. The purpose of this program was to test the stratigraphy along a 2 kilometer corridor of lithologies favourable for hosting potential VMS styles of mineralization.

The eight (8) holes described in this report were drilled by Norex Diamond Drilling and total 1,614.70 m. Table 1 provides a summary of the statistics for the holes described herein and Table 2 provides a summary of the drill holes results.

Drill-Hole	UTM Easting	UTM Northing	EOH (m)	Dip	Azimuth	Elevation
GCAE-06-22	553450	5393980	203.00	-45.00	195.00	0.00
GCAE-06-23	552860	5394150	200.00	-45.00	195.00	0.00
GCAE-06-24	552032	5394305	287.00	-50.00	180.00	0.00
GCAE-06-25	553826	5394030	275.00	-50.00	180.00	0.00
GCAE-06-26	552292	5393470	201.70	-45.00	180.00	0.00
GCAE-06-27	554631	5394152	200.00	-45.00	180.00	0.00
GCAE-06-28A	553147	5394066	23.00	-65.00	195.00	0.00
GCAE-06-28	553147	5394066	248.00	-75.00	195.00	0.00
		Total	1,637.70			

Table 1. Summary of Drill Hole Statistics

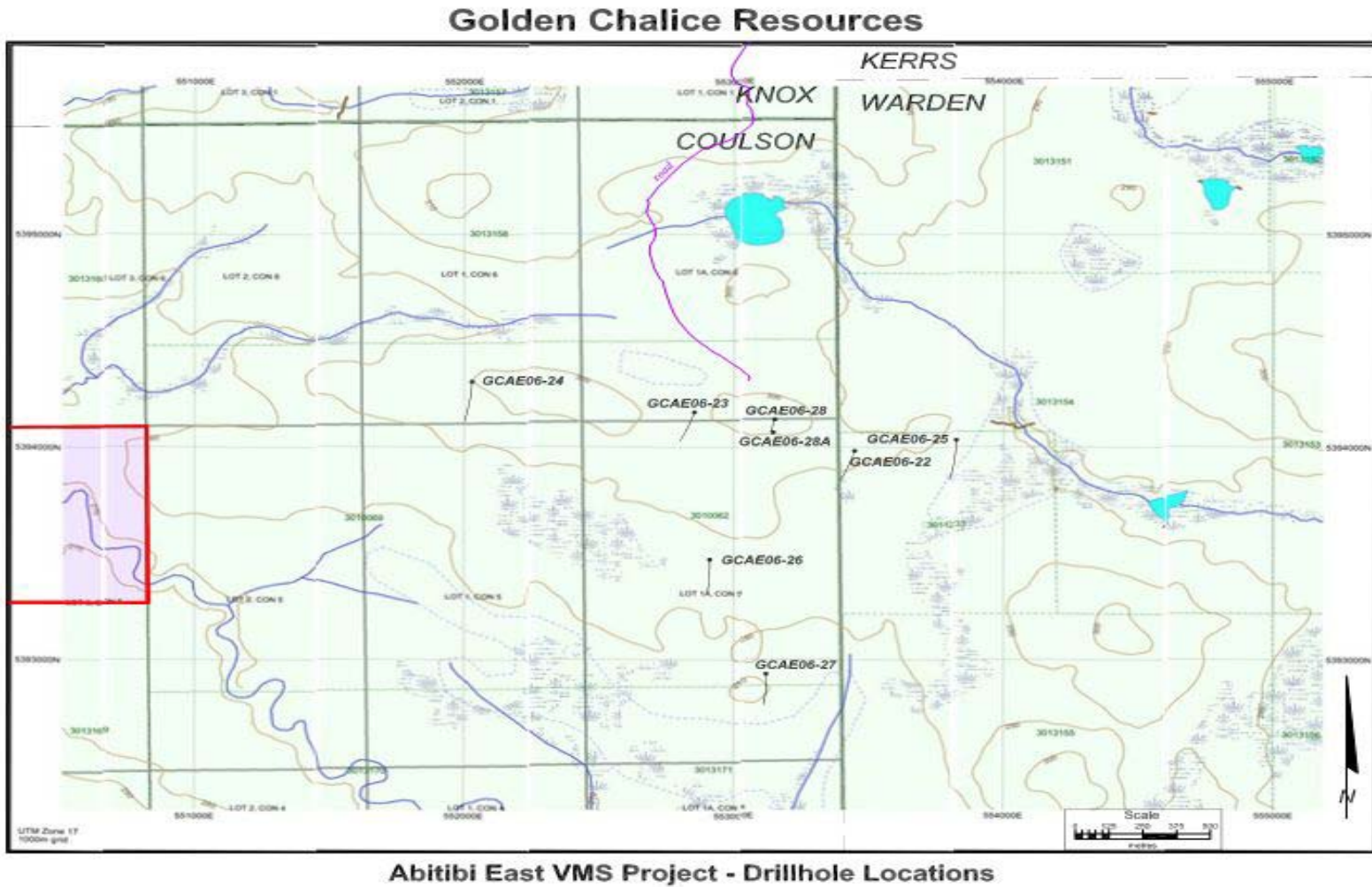


Figure 5. Drill Hole Location Plan

Drill-Hole	Geology	Assays
GCAE-06-22	Volcanics and volcanoclastics - mafic (basalts massive and pillowed) to felsic (rhyolites) Mafic intrusives (gabbro, diabase) Sediments – argillite +/- graphite; greywacke Fault zone Mineralization – py, sphalerite, galena, cpy	Zn - up to 1.9% over 0.9m Pb – up to 5% over 0.9m
GCAE-06-23	Volcanics and volcanoclastics - mafic (basalts massive and pillowed) to felsic (rhyolites) Mafic intrusives - gabbro, diabase Felsic intrusives – qtz/feld porphyry Sediments – minor argillite +/- graphite; greywacke Fault zone Mineralization – py, galena, sphalerite	Zn – up to 0.66% over 0.9m Pb – up to 0.11% over 0.9m
GCAE-06-24	Volcanics and volcanoclastics - mafic (basalts massive and pillowed) to felsic (rhyolites) Mafic intrusives (gabbro, diabase) Felsic intrusives – qtz/feld porphyry Sediments – argillite +/- graphite; greywacke Fault zone Mineralization – py	
GCAE-06-25	Volcanics and volcanoclastics - mafic (basalts massive and pillowed) to felsic (rhyolites) Mafic intrusives (gabbro, diabase) Sediments – argillite +/- graphite; greywacke Fault zone Mineralization – py, galena(?)	
GCAE-06-26	Volcanics and volcanoclastics – felsic (rhyolites) Udiffereniated sediment Mineralization – py, spalerite, spec. hem, galena	
GCAE-06-27	Volcanics and volcanoclastics – mafic (basalts) Mafic intrusives (gabbro) Mineralization – py	
GCAE-06-28	Volcanics and volcanoclastics – mafic (basalts) Mafic intrusives (gabbro, diabase) Mineralization – py	
GCAE-06-28A	Volcanics – mafic (basalts) Hole losted	

Table 2. Drill Hole Log Summary

Conclusions and Recommendations

Drill holes GCAE-06-22 and GCAE-06-23 found anomalous mineralization associated with a zone of graphitic argillite and/or altered volcanics on the hanging wall of what is believed to be or to be part of the Shallow River fault zone. Mineralization includes:

- pyrite as disseminations, stringers and nodules
- honey brown sphalerite predominantly as secondary emplacement ovoids and minor fracture filling
- disseminated, fine grained galena predominantly in fractures
- chalcopyrite patches generally associated with the galena.

The results of the drilling program are consistent with previous work carried out by both Golden Chalice Resources and other previous companies. The mineralization and assays warrant further drilling to determine if the anomalous values continue both along strike and down dip.

References

Area Mines Ltd., 1964, Assessment report on geophysical survey.

Corfu, F., 1989. U-Pb Zircon Geochronology in the southwest Abitibi Greenstone Belt, Superior Province. Canadian Journal of Earth Science, Vol 26, No. 9 P. 1747-1763

Ginn, R.M. and Leahy, E. 1961, Hanna-Coulson Sheet, District of Cochrane, ODM Preliminary Map P 132.

Jackson, S.L., Fyon J.A., The Western Abitibi Subprovince in Ontario; in Geology of Ontario, Ontario Geological Survey, Special Volume 4 Part 1.

Jensen, L.S. and Langford, F.F., Geology and Petrogenesis of the Archean Abitibi Belt in the Kirkland Lake Area, Ontario. O.G.S. Misc. paper 123.

Keast, T., Geological Report on the Shallow River Project for Sterling Pacific Resources Inc. Coulson, Warden and Knox Townships, Feb 12, 1998.

Keast T., Diamond Drill Report on the Shallow River Project for Sterling Pacific Resources Inc. Coulson, Warden and Knox Townships, June 29, 1998.

Noranda Explorations, 1965, Magnetometer Survey Center Shallow Group. Coulson Township. Assessment File.

Certificate of Qualifications

I, Peter Caldbick, P.Geo, residing at 143 Lakeshore Road, Timmins, Ontario, do certify that:

1. I am a consulting geologist of Caldbick Geological Services currently consulting for Golden Chalice Resources Inc.
2. I graduated with a Bachelor of Science in Geology from the University of Toronto in 1983. In addition, I have obtained an Environmental Assessment Certificate from Lakehead University in 1994.
3. I am a member in good standing of the Association of Professional Geoscientists of Ontario, Membership # 0985 and a member of the Prospectors and Developers Association of Canada.
4. I have been employed continuously as a geologist for the past 23 years since my graduation from University
5. I have had prior involvement with the property that is the subject of the Assessment Report. The nature of my prior involvement was the supervision of a drill program during the month of June, 2005 and during 2006.
6. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

Dated this 5th day of November, 2008.

P.M.Caldbick P.Geo

I, John R. Walmsley, B.Sc., residing at RR #1, Richards Landing, Ontario, do certify that:

7. I am a consulting geologist of PensInk Information Technologies Ltd. currently consulting for Golden Chalice Resources Inc.
8. I graduated with a Bachelor of Science in Geology from the University of Western Ontario in 1984.
9. I am a member of the Prospectors and Developers Association of Canada.
10. I have been employed continuously as a geologist for the past 24 years since my graduation from University
11. I have not had prior involvement with the property that is the subject of the Assessment Report.
12. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

Dated this 5th day of November, 2008.

John R. Walmsley, B.Sc.

Appendix A – Schedule of Claims

Schedule of Claims Abitibi East Property As of November 13, 2006

Claim	Due Date	Date Recorded	Date Staked	Work Required	Township	GPlan	Units
4202666	28-Nov-08	28-Nov-06	01-Nov-06	6,400.00	RICKARD	G-3561	16
4202668	28-Nov-08	28-Nov-06	01-Nov-06	6,400.00	RICKARD	G-3561	16
4202669	28-Nov-08	28-Nov-06	02-Nov-06	1,600.00	RICKARD	G-3561	4
4209312	28-Nov-08	28-Nov-06	02-Nov-06	6,400.00	RICKARD	G-3561	16
4209313	28-Nov-08	28-Nov-06	04-Nov-06	3,200.00	RICKARD	G-3561	8
4212521	28-Nov-08	28-Nov-06	04-Nov-06	3,200.00	RICKARD	G-3561	8
4212524	06-Dec-08	06-Dec-06	10-Nov-06	6,400.00	RICKARD	G-3561	16
4212525	06-Dec-08	06-Dec-06	10-Nov-06	6,400.00	KNOX	G-3527	16
4207655	21-Dec-08	21-Dec-05	24-Nov-05	2,400.00	WARDEN	G-3727	6
4209669	21-Dec-08	21-Dec-05	24-Nov-05	2,400.00	WARDEN	G-3727	6
4209661	22-Dec-08	22-Dec-05	30-Nov-05	3,200.00	WARDEN	G-3727	8
4209662	22-Dec-08	22-Dec-05	30-Nov-05	1,600.00	WARDEN	G-3727	4
4209668	22-Dec-08	22-Dec-05	25-Nov-05	1,600.00	WARDEN	G-3727	4
4209670	22-Dec-08	22-Dec-05	25-Nov-05	4,800.00	WARDEN	G-3727	12
4209663	23-Dec-08	23-Dec-05	01-Dec-05	3,600.00	WARDEN	G-3727	9
4209664	23-Dec-08	23-Dec-05	01-Dec-05	3,200.00	WARDEN	G-3727	8
4209665	04-Jan-09	04-Jan-06	08-Dec-05	3,600.00	WARDEN	G-3727	9
4209666	04-Jan-09	04-Jan-06	08-Dec-05	3,600.00	WARDEN	G-3727	9
4209667	25-Jan-09	25-Jan-06	30-Dec-05	3,200.00	MCCOOL	G-3674	8
4209671	25-Jan-09	25-Jan-06	29-Dec-05	6,400.00	MCCOOL	G-3674	16
4209672	25-Jan-09	25-Jan-06	30-Dec-05	4,800.00	MCCOOL	G-3674	12
4209673	25-Jan-09	25-Jan-06	31-Dec-05	4,800.00	MCCOOL	G-3674	12
4209674	25-Jan-09	25-Jan-06	30-Dec-05	6,400.00	MCCOOL	G-3674	16
4209675	25-Jan-09	25-Jan-06	29-Dec-05	1,600.00	MCCOOL	G-3674	4
4209676	25-Jan-09	25-Jan-06	29-Dec-05	3,200.00	MCCOOL	G-3674	8
4209677	25-Jan-09	25-Jan-06	30-Dec-05	6,400.00	MCCOOL	G-3674	16
4209678	02-Feb-09	02-Feb-06	05-Jan-06	1,600.00	MCCOOL	G-3674	4
4209679	02-Feb-09	02-Feb-06	05-Jan-06	2,400.00	MUNRO	M-0376	6
4209587	08-Feb-09	08-Feb-06	11-Jan-06	6,400.00	MUNRO	M-0376	16
4209588	08-Feb-09	08-Feb-06	12-Jan-06	1,600.00	MCCOOL	G-3674	4
4209589	08-Feb-09	08-Feb-06	14-Jan-06	1,600.00	MUNRO	M-0376	4
4209590	08-Feb-09	08-Feb-06	21-Jan-06	3,200.00	MCCOOL	G-3674	8
4209639	08-Feb-09	08-Feb-06	21-Jan-06	800.00	MCCOOL	G-3674	2
4202780	10-Apr-09	10-Apr-06	08-Apr-06	1,600.00	COULSON	G-3623	4

Assessment Report on Diamond Drilling Conducted From November, 2006 To December, 2006

4202781	10-Apr-09	10-Apr-06	08-Mar-06	2,400.00	COULSON	G-3623	6
3013151	30-Jun-09	30-Jun-05	18-Jun-05	6,400.00	KERRS	G-3523	16
3013152	30-Jun-09	30-Jun-05	18-Jun-05	6,400.00	KERRS	G-3523	16
3013153	30-Jun-09	30-Jun-05	22-Jun-05	6,400.00	WARDEN	G-3727	16
3013154	30-Jun-09	30-Jun-05	21-Jun-05	4,800.00	WARDEN	G-3727	12
3013155	30-Jun-09	30-Jun-05	22-Jun-05	6,400.00	WARDEN	G-3727	16
3013156	30-Jun-09	30-Jun-05	22-Jun-05	6,400.00	WARDEN	G-3727	16
3013157	30-Jun-09	30-Jun-05	19-Jun-05	6,400.00	KNOX	G-3527	16
3013158	30-Jun-09	30-Jun-05	19-Jun-05	6,400.00	COULSON	G-3623	16
3013159	30-Jun-09	30-Jun-05	20-Jun-05	6,400.00	KNOX	G-3527	16
3013160	30-Jun-09	30-Jun-05	20-Jun-05	6,400.00	COULSON	G-3623	16
3013161	30-Jun-09	30-Jun-05	25-Jun-05	1,600.00	COULSON	G-3623	4
3013162	30-Jun-09	30-Jun-05	20-Jun-05	1,600.00	KNOX	G-3527	4
3013163	30-Jun-09	30-Jun-05	21-Jun-05	6,400.00	KNOX	G-3527	16
3013164	30-Jun-09	30-Jun-05	21-Jun-05	4,800.00	KNOX	G-3527	12
3013165	30-Jun-09	30-Jun-05	23-Jun-05	6,400.00	COULSON	G-3623	16
3013166	30-Jun-09	30-Jun-05	23-Jun-05	6,400.00	COULSON	G-3623	16
3013167	30-Jun-09	30-Jun-05	25-Jun-05	6,400.00	COULSON	G-3623	16
3013168	30-Jun-09	30-Jun-05	24-Jun-05	6,400.00	COULSON	G-3623	16
3013169	30-Jun-09	30-Jun-05	26-Jun-05	3,200.00	COULSON	G-3623	8
3013170	30-Jun-09	30-Jun-05	26-Jun-05	6,400.00	COULSON	G-3623	16
3013171	30-Jun-09	30-Jun-05	26-Jun-05	3,600.00	COULSON	G-3623	9
3013172	30-Jun-09	30-Jun-05	26-Jun-05	2,800.00	COULSON	G-3623	7
3013173	30-Jun-09	30-Jun-05	25-Jun-05	4,800.00	COULSON	G-3623	12
3013174	30-Jun-09	30-Jun-05	24-Jun-05	3,200.00	COULSON	G-3623	8
3019112	14-Sep-09	14-Sep-05	18-Aug-05	6,000.00	WARDEN	G-3727	15
3013128	27-Oct-09	27-Oct-05	19-Oct-05	6,400.00	KERRS	G-3523	16
3013200	27-Oct-09	27-Oct-05	20-Oct-05	3,200.00	KERRS	G-3523	8
3013267	27-Oct-09	27-Oct-05	16-Oct-05	1,600.00	KERRS	G-3523	4
3013268	27-Oct-09	27-Oct-05	17-Oct-05	800.00	KERRS	G-3523	2
3013269	27-Oct-09	27-Oct-05	19-Oct-05	3,200.00	KERRS	G-3523	8
3013275	27-Oct-09	27-Oct-05	20-Oct-05	6,400.00	KERRS	G-3523	16
4201331	27-Oct-09	27-Oct-05	21-Oct-05	3,200.00	KNOX	G-3527	8
4201332	27-Oct-09	27-Oct-05	20-Oct-05	1,600.00	KNOX	G-3527	4
4201333	27-Oct-09	27-Oct-05	21-Oct-05	4,800.00	KNOX	G-3527	12
4201334	27-Oct-09	27-Oct-05	21-Oct-05	6,400.00	KNOX	G-3527	16
4201414	31-Oct-09	31-Oct-05	29-Oct-05	1,600.00	COULSON	G-3623	4
4201416	31-Oct-09	31-Oct-05	28-Oct-05	1,600.00	COULSON	G-3623	4
4201417	31-Oct-09	31-Oct-05	29-Oct-05	5,425.00	COULSON	G-3623	16
4201418	31-Oct-09	31-Oct-05	30-Oct-05	4,720.00	COULSON	G-3623	12

Assessment Report on Diamond Drilling Conducted From November, 2006 To December, 2006

4201415	31-Oct-09	31-Oct-05	30-Oct-05	1,600.00	COULSON	G-3623	4
3010062	02-Apr-10	02-Apr-03	01-Apr-03	795.00	COULSON	G-3623	8
4202905	10-May-10	10-May-05	10-Apr-05	3,200.00	COULSON	G-3623	8
4203858	10-May-10	10-May-05	08-May-05	5,600.00	COULSON	G-3623	14
3010069	02-Apr-11	02-Apr-03	01-Apr-03	6,400.00	COULSON	G-3623	16
3011233	02-Apr-11	02-Apr-03	01-Apr-03	1,336.00	WARDEN	G-3727	4

Appendix B - Drill Logs

Appendix C - Assay Certificates

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
31.80	68.80	29.00 30.80 Patchy highly calcite altered sections with minor epidote alteration 1% 65 degree chlorite healed shears. Sharp lower contact at 70 degrees. GABBRO Dark green-grey, medium to coarse grained, phaneritic, comprised mostly of plagioclase and pyroxene. Trace to 1% low angle epidote and calcite stringers, rare specs of coarse grained magnetite. Medium hardness, localized low angle shearing 40 degrees. 46.50 Increased mafic component with quartz-calcite veining. Siliceous section with milky quartz veinlets containing a few visible specs of galena, honey sphalerite and coarse pyrite. Lower contact irregular 65 degrees.	81868 81869 81870	51.10 52.10 52.50	52.10 52.50 53.50	1.00 .40 1.00	<5 8 <5	.5 <.2 .5	50 5 66	66 35 60	5080 261 214	761 89 27
68.80	85.10	GABBRO Dark green, coarse grained, massive, weakly chlorite altered, coarse grained, non magnetic. Medium hardness, similar composition to unit above, low angle calcite and epidote stringers. 73.30 76.40 Extremely blocky and broken section with chloritic fractures. Lower contact not well defined approximately 50 degrees to core axis.										
85.10	93.50	RHYOLITE Light grey, medium grained with local coarse phaneritic sections, weakly carbonate altered. 1% Hair like calcite filled shears at 30 to 35 degrees, trace amounts of coarse grained pyrite. Gradual lower contact.										
93.50	104.00	RHYOLITE TUFF Light to dark grey, fine to medium grained. Moderately to strongly silicified with 10% cherty sections locally bedded 55 degrees to core axis, patchy bleached section possible mafic tuff section??. 3-4% Quartz-calcite-epidote stringers with secondary quartz-calcite low angle hairlike stringers fracture filling predominately chlorite and epidote localized calcite. Unit 40% blocky and broken with an overall rqd of 50% and an estimated core recovery of 95%. Trace to 1% coarse grained pyrite throughout unit, both in matrix and associated with trace amounts of galena and honey sphalerite in stringers from 101.00- 101.80m. Foot wall contact in blocky section approximately 55 degrees to core axis. 97.50 Standard 61pa.	81871 81872 81873 81874 81875 81876 81877 81878 81879 81880 81881 81882	93.50 94.50 95.50 96.50 97.50 97.50 98.50 99.40 100.30 101.20 102.10 103.00 104.00	94.50 95.50 96.50 97.50 97.50 98.50 99.40 100.30 101.20 102.10 103.00 104.00	1.00 1.00 1.00 1.00 1.00 1.00 .90 .90 .90 .90 .90 1.00	<5 <5 <5 <5 4300 27 11 7 6 <5 <5 9	.4 .2 .2 .2 7.4 .6 .4 .4 .3 .3 .3 .6	12 17 3 9 118 84 15 5 3 3 21 75	42 17 11 11 12 113 20 13 15 11 10 34	134 50 35 56 82 66 77 78 92 172 2690 3910	38 33 9 6 22 30 9 47 12 26 342 789
104.00	117.00	RHYOLITE/MAFIC TUFF Dark green-grey, fine to medium grained. Weakly to chlorite altered with patchy moderate silicification cherty/k-spar sections from 111.50 to 114.00m.	81883 81884 81885	104.00 110.00 111.00	105.00 111.00 112.00	1.00 1.00 1.00	<5 8 16	.5 .7 .5	144 207 99	56 62 37	229 99 146	57 6 11

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm			
117.00	134.90	1-2% 30 Degree calcite stringers, 3mm chlorite fracture filling, locally leucocratic, 15% minor blocky sections. 1-2% Locally clusters of coarse grained pyrite with a few specs of chalcopyrite and ?? honey sphalerite. Lower contact in broken chloritic section approximately 50 degrees.	81886	112.00	113.00	1.00	<5	.3	8	15	27	5			
			81887	113.00	114.00	1.00	<5	.6	139	48	60	9			
			81888	114.00	115.00	1.00	<5	.5	78	41	120	12			
			81889	115.00	116.00	1.00	6	.5	183	58	105	5			
			81890	116.00	117.00	1.00	5	.6	192	63	78	<2			
134.90	150.40	GABBRO Dark green-grey, coarse grained, phaneritic, weakly chlorite altered with patchy epidote alteration and occasional 50 degree hairlike epidote stringers. Trace coarse grained pyrite in matrix, chlorite fracture filling, 1% 60 degree chlorite healed shears. Slightly magnetic, trace pyrrhotite 1.5m to lower contact.	81891	133.40	134.90	1.50	<5	.5	201	26	76	<2			
			81892	134.90	136.10	1.20	<5	.5	145	31	66	2			
			81893	136.10	137.30	1.20	<5	.5	172	31	61	<2			
			81894	137.30	137.80	1.50	8	.5	180	30	63	<2			
			81895	137.80	139.30	1.50	<5	.4	131	37	57	3			
			81896	147.00	148.00	1.00	<5	.4	175	42	53	<2			
			81897	148.00	148.50	1.50	<5	.4	190	43	59	<2			
			81898	148.50	149.50	1.00	<5	.4	184	47	56	<2			
			150.40	160.60	MAFIC VOLCANIC Dark grey-black, fine grained weakly chlorite altered, localized weakly magnetic. Occasional 5mm plagioclase phenocrysts, weak localized foliation at 50 degrees, 1-2% 50 degree epidote stringers. 50 Degree chlorite healed shearing through out unit, 1% localized coarse grained pyrite in the matrix. 158.00 166.60 3% argillite banding with trace amounts of galena in the matrix and 0.5% sphalerite stringers associated with the shearing. Sharp lower contact 55 degrees. 155.50 Blank.	81899	154.50	155.50	1.00	<5	.5	206	66	76	7
						81900	155.50	155.50	1.00	<5	<.2	62	49	25	8
81901	155.50	156.50				1.00	<5	.5	197	57	63	3			
81902	156.50	157.50				1.00	<5	.5	212	66	72	5			
81903	157.50	158.50				1.00	<5	.4	162	54	46	<2			
81904	158.50	159.50				1.00	<5	.8	189	111	110	15			
81905	159.50	160.60				1.10	<5	.8	169	163	107	21			
160.60	161.30	MAFIC DYKE Grey-brown, medium grained, sericite altered??, medium grained, trace coarse grained pyrite. Chlorite fracture filling, very weak 65-70 degree foliation. Sharp lower contact 65 degrees.				81906	160.60	161.30	.70	<5	.9	76	116	36	40
			161.30	180.00	RHYOLITE TUFF Medium to coarse grained, moderately silicified, numerous light colored 60 degree bands-foliation through out unit. 1-2% Coarse grained pyrite through out unit, 2-3% sphalerite stringers along fracture with localized specs and rare nodule. Tr-0.5% galena along fracture and in localized section in the matrix.	81907	161.30	162.30	1.00	<5	.5	85	37	559	377
81908	162.30	163.20				.90	<5	.3	35	21	4600	553			
81909	163.20	164.10				.90	<5	.4	64	33	3690	1690			
81910	164.10	165.00				.90	<5	.5	197	21	1200	298			
81911	165.00	166.00				1.00	<5	.3	99	14	787	199			

SSW

Section Azimuth 11.9°/191.9°
(looking westerly)

NNE

N

GCAE06-22
AZ 193.9° / DIP -45.6°
553448.86 / 5393977.09

Coulson Twp.:LOT
1A, CON 5
3010062

COULSON
WARDEN

3011233

GCAE06-22
AZ 193.9° / DIP -45.6°
553448.86 / 5393977.09

3010062

3011233

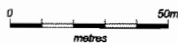
Coulson Twp.:LOT
1A, CON 5

3011233

LEGEND

- OVBN OVERBURDEN
- RHY RHYOLITE
- RMT RHYOLITE/MAFIC TUFF
- RTAR RHYOLITE TUFF/ARGILLITE
- RTSD RHYOLITE TUFF/SEDIMENTS
- RTUF RHYOLITE TUFF
- RYFH NEMATIZED RHYOLITE FRAGMENTAL
- RYFR RHYOLITE FRAGMENTAL
- RYSP SPHERULITIC RHYOLITE
- BAS BASALT
- BASP BASALT (PILLOWED)
- VBAP ALTERED P.LLOW BASALT
- BASX BASALT (ALTERED)
- BZC BRECCIA ZONE
- VBAR BASALT MIXED, WITH ARGILLITE
- VBIM BASALT MIXED FLOWS/PILLOWS
- VBFP PORPHYRIC BASALT
- VBKM BASALT MIXED FLOW BRECCIA/PILLOWS
- FLBX FLOW BRECCIA
- MV MAFIC VOLCANIC
- MTSD MAFIC TUFF/SEDIMENTS
- SED SEDIMENT
- SEDP PORPHYRIC SEDIMENT
- SARG SILICEOUS ARGILLITE
- AARG ALTERED ARGILLITE
- ARG ARGILLITE
- ARGW ARGILLACEOUS GREYWACKE
- ARSD ARGILLACEOUS SEDIMENT
- CSGD GRAPHIC SEDIMENT
- GWKE GREYWACKE
- CHFT CHERT (VCL) CANCLOASTIC
- TGWK TUFFACEOUS GREYWACKE
- TSED TUFFACEOUS SEDIMENT
- APD ALTERED PORPHYRIC DYKE
- QFP QUARTZ FELDSPAR PORPHYRY
- DB DIABASE
- MD MAFIC DYKE
- GAB GABBRO
- QBX BRECCIA WHITE QUARTZ CEMENTED
- TFBX TUFF BRECCIA
- FZ FAULT ZONE
- 82260 SAMPLE NUMBER

SCALE



Abitibi East Property
DDH GCAE6-22

GOLDEN CHALICE
RESOURCES

Oct. 2007

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
		Grey to brown, medium grained, weak patchy silicification-carbonization. Weak low angle fractures predominately chlorite healed with occasional calcite. 1.5% Sphalerite and trace galena associated with chlorite-calcite fracture filling. Sharp lower contact at 65 degrees to core axis. 158.60 Blank.	81950	158.60	158.60	.00	<5	<.2	77	44	30	6
			82251	158.60	159.50	.90	<5	.4	48	110	3850	1640
159.50	164.30	RHYOLITE TUFF / ALTERED BASALT Light brown to grey, fine grained to medium grained, weak to moderately silicified with weak sericite alteration??. Unit predominately rhyolite with 30% coarse tuffaceous sections and approximately 10% altered basalt inclusions. Weak 65 degree foliation with rare thin argillite bands. Trace coarse grained pyrite with 1-1.5% sphalerite and galena associated with 0-10 degree chlorite healed fracture and fracture filling. 1% 45 Degree quartz-calcite stringers. 164.10 164.30 6inch semi massive sphalerite stringer at 0 degree to core axis cross-cutting thinly. Bands of argillite at 80 degrees to core axis.	82252	159.50	160.40	.90	5	.2	38	31	831	678
			82253	160.40	161.40	1.00	<5	.2	44	50	2860	439
			82254	161.40	162.40	1.00	<5	<.2	78	25	798	195
			82255	162.40	163.40	1.00	<.2	3	20	21	5	
			82256	163.40	164.30	.90	.4	70	18	6580	1140	
164.30	165.80	RHYOLITE TUFF Black to dark grey, silicified-argillaceous unit, massive, 75 degree coarse grained pyrite. Stringers on upper contact otherwise trace pyrite, trace galena on fracture filling with trace sphalerite on quartz healed low angle stringers. Lower contact at 75 degrees to core axis.	82257	164.30	165.05	.75		.8	41	44	944	280
			82258	165.05	165.80	.75		<.2	3	18	51	39
165.80	166.30	RHYOLITE TUFF/SEDIMENTS Dark grey, alternating fine to coarse grained beds with 1% argillite bands. Unit moderately silicified, 2% coarse grained pyrite, occasional clasts of quartz and sediments. 2 Inch argillaceous fault gouge on lower contact. Lower contact at 75 degrees to core axis.	82259	165.80	166.30	.50		.3	19	22	37	21
166.30	167.50	QUARTZ FELDSPAR PORPHYRY Light grey, strongly silicified, 1% irregular quartz-calcite stringers. Trace coarse grained pyrite in matrix, minor chlorite fracture filling. Lower contact at 65 degrees to core axis.	82260	166.30	167.50	1.20		<.2	6	12	818	182
167.50	168.60	RHYOLITE TUFF / ALTERED BASALT Dark grey to brown, fine to medium grained, siliceous-chloritic unit, trace to 1% coarse grained pyrite. Trace brown mineral-sphalerite?, trace irregular calcite stringers-fracture filling??.	82261	167.50	168.60	1.10		.2	12	42	619	113
168.60	175.10	RHYOLITE TUFF / ALTERED BASALT Dark grey to brown, fine to medium grained, siliceous-chloritic unit. Trace to 1% coarse grained pyrite, trace brown mineral-sphalerite?,	82262	168.60	169.10	.50		.6	80	59	3850	509
			82263	169.10	170.10	1.00		.5	20	79	58	45

SSW

Section Azimuth 11.1°/191.1°
(looking westerly)

NNE N

GCAE06-23
AZ 194.5° / DIP -44.3°
552855.29 / 5394158.56

Coulson Twp.:LOT
1A, CON 6

GCAE06-23
AZ 194.5° / DIP -44.3°
552855.29 /
5394158.56

No 1 P of 3010062
-630m @ N57°E

Coulson Twp.:LOT
1A, CON 5

3010062

3010062

Coulson Twp.:LOT
1A, CON 6

Coulson Twp.:LOT
1A, CON 5

L 100 E @ N117°E

LEGEND

- OVBN OVERBURDEN
- RHY RHYOLITE
- RMT RHYOLITE/MAFIC TUFF
- RTAR RHYOLITE TUFF/ARGILLITE
- RTSD RHYOLITE TUFF/SEDIMENTS
- RUFH RHYOLITE TUFF
- RVFH HEMATIZED RHYOLITE FRAGMENTAL
- RVFR RHYOLITE FRAGMENTAL
- RVSP SPHERULITIC RHYOLITE
- BAS BASALT
- BASP BASALT (PILLOWED)
- VBAP ALTERED PILLOW BASALT
- BASX BASALT (ALTERED)
- BXZ BRECCIA ZONE
- VSAR BASALT - MIXED WITH ARGILLITE
- VBM BASALT - MIXED FLOWS/PILLOWS
- VBP PORPHYRITIC BASALT
- VEXM BASALT - MIXED FLOW BRECCIA/PILLOWS
- FLBX FLOW BRECCIA
- MV MAFIC VOLCANIC
- MTSD MAFIC TUFF/SEDIMENTS
- SED SEDIMENT
- SEDP PORPHYRITIC SEDIMENT
- SARG SILICEOUS ARGILLITE
- AARG ALTERED ARGILLITE
- ARG ARGILLITE
- ARGW ARGILLACEOUS GREYWACKE
- ARSD ARGILLACEOUS SEDIMENT
- GSED GRAPHITIC SEDIMENT
- GWKL GREYWACKE
- CHTF CHERTY VOLCANOCLASTIC
- TGWK TUFFACEOUS GREYWACKE
- TSED TUFFACEOUS SEDIMENT
- APD ALTERED PORPHYRITIC DYKE
- QFP QUARTZ/FELDSPAR PORPHYRY
- DS DIBASE
- MD MAFIC DYKE
- GAB GABBRO
- QBX BRECCIA WHITE QUARTZ CEMENTED
- TFBX TUFF BRECCIA
- FZ FAULT ZONE
- 82260 SAMPLE NUMBER

SCALE



Abitibi East Property
DDH GCAE6-23

GOLDEN CHALICE
RESOURCES

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
36.40	41.10	BASALT Dark green-yellow, weak chlorite alteration with patchy weak calcite, trace coarse grained pyrite. Leucoxene, trace irregular calcite stringers, low angle chlorite-calcite healed fractures 0-5 degrees to core axis. Lower contact 60 degrees to core axis.										
41.10	44.90	FAULT ZONE Highly oxidized fractures, host rock basalt, medium grained, 0% rpd, poorly core recovery-estimated 65%. Lower contact at 65 degrees to core axis.										
44.90	66.80	GABBRO Green to yellow, patchy weak epidote alteration through out unit, coarse grained, phaneritic texture. Trace coarse grained pyrite, chlorite healed fracture 1-3mm. 1-2% Low angle calcite stringers, occasional localized k-spar on fractures. Lower contact at 35 degrees to core axis.										
66.80	71.10	GABBRO Dark green, medium grained with local coarse grained, phaneritic, epidotized sections. No reaction with HCl, weak pervasive chlorite alteration, ?? unit some sections appear to be basaltic in nature. Nil to trace coarse grained pyrite, weak breccia healed with chlorite hematite. Specular hematite associated with healed breccia and chlorite-hematite fracture filling. Trace calcite hairlike stringers oriented at 60 degrees to. Core axis- 1m to lower contact.										
71.10	83.30	BASALT (PILLOWED) Dark green, fine grained with some medium grained section, waxy look typical of pillowed basalts in area. Some questionable ripped up selvages present, very weak chlorite alteration. Unit has weak calcite alteration, which appears to be related to calcite stringers-halo effect?. 2-3% Ripped up calcite stringers with secondary stringers along fractures and in matrix oriented at 60 degrees. Chlorite healed breccia with weak fracture filling, slightly increased in minor blocky sections in unit. Trace coarse grained pyrite. Gradual lower contact.	82271	82.80	83.30	.50		<.2	53	66	66	2
83.30	84.90	BASALT (PILLOWED) Light grey with some grey to green sections, fine to medium grained with some patchy what appears to be a weak porphyritic texture. Alteration is a moderate silicification with a lesser ankerite and	82272 82273	83.30 84.10	84.10 84.90	.80 .80		<.2 <.2	3 1	13 11	20 18	<2 <2

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
84.90	95.35	patchy what appears to be sericite. Unit weakly brecciated with very weak calcite-chlorite healing, rare chlorite fracture filling. Trace-nil coarse grained pyrite in matrix. Lower contact at 60 degrees to core axis.										
		BASALT Green to brown, fine to medium grained, weakly chlorite and calcite altered throughout unit. With 25% patchy sericite-ankerite bleached section, weak to moderately brecciated with minor chlorite-calcite healing. Occasional low angle shears at 30- 40 degrees, brecciated calcite. Stringers throughout with secondary localized fracture filling and 75 degree stringers. Trace to nil pyrite in matrix, minor 4 inch quartz veinlet at 93.1m, weak patchy foliation at 65 degrees. Sharp lower contact 65 degrees to core axis. 85.40 Standard 60p.	82274	84.90	85.40	.50		<.2	15	31	45	<2
			82275	85.40	85.40	.00		5.5	103	20	87	17
			82276	94.70	95.35	.65		<.2	38	15	54	<2
95.35	109.00	ALTERED PORPHYRITIC DYKE Light grey to grey, fine grained 3% low angle calcite stringers, occasional chlorite-calcite fracture filling with localized sericite. 107-109m Possible fault zone, very blocky probably related to chlorite fracture filling, good core recovery with 30% rpd. Sharp lower contact at 65 degrees to core axis.	82277	95.35	96.30	.95		<.2	28	8	17	<2
			82278	96.30	97.20	.90		<.2	23	8	25	<2
			82279	97.20	98.10	.90		<.2	10	9	21	2
			82280	98.10	99.00	.90		<.2	2	5	15	<2
			82281	99.00	100.00	1.00		<.2	2	7	19	<2
			82282	100.00	101.00	1.00		<.2	3	7	24	2
			82283	101.00	102.00	1.00		<.2	3	7	22	<2
			82284	102.00	103.00	1.00		<.2	2	7	17	<2
			82285	103.00	104.00	1.00		<.2	4	8	19	3
			82286	104.00	105.00	1.00		<.2	3	7	25	<2
			82287	105.00	106.00	1.00		<.2	6	8	19	<2
			82288	106.00	107.00	1.00		<.2	24	13	90	3
			82289	107.00	108.00	1.00		<.2	14	19	26	<2
			82290	108.00	109.00	1.00		<.2	36	9	14	3
109.00	113.50	RHYOLITE TUFF Brown-grey, medium to coarse grained, no reaction to HCl, weak to moderately silicified. 1-2% Irregular calcite stringers, local weak 60 degree foliation with thin argillaceous beds, trace coarse grained pyrite. 112.70 113.50 Patchy sericite alteration with slight increase in argillaceous bedding. Lower contact at 60 degrees to core axis.	82291	109.00	110.50	1.50		<.2	51	22	81	3
			82292	110.50	112.00	1.50		<.2	3	17	104	2
			82293	112.00	113.50	1.50		<.2	18	15	148	3
113.50	115.20	ARGILLITE Dark black, aphanitic-fine grained, no reaction with HCl, 5% sericitic 65-70 degree bands with. 1% Coarse grained pyrite associated, minor faulted sections with calcite and unknown. Pink mineral?, slightly graphitic fractures. Undulating lower contact at 65 degrees to core axis.	82294	113.50	114.35	.85		.5	168	97	480	32
			82295	114.35	115.20	.85		.4	167	68	135	18

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
115.20	130.20	ALTERED PORPHYRITIC DYKE Light grey, medium to coarse grained, moderately silicified with patchy sericite alteration. Occasionally Occurring in 75 degree sericite stringers, 1-2% irregular low angle calcite stringers, 0.5-1% Coarse grained pyrite associated with chlorite-calcite micro fractures, unit becomes slightly lighter grey with increased fine and coarse grained pyrite 1-2%, 129.70-130.20 mixed. Brecciated section with inclusions of underlying gabbro with very coarse pyrite. Sharp lower contact at 75 degrees to core axis. 121.20 Blank.	82296	115.20	116.70	1.50		<.2	30	10	29	5
			82297	116.70	118.20	1.50		<.2	21	7	54	10
			82298	118.20	119.70	1.50		<.2	13	7	30	6
			82299	119.70	121.20	1.50		<.2	25	8	44	7
			82300	121.20	121.20	.00		<.2	77	56	22	3
			82301	121.20	122.70	1.50		<.2	15	7	64	11
			82302	122.70	124.20	1.50		<.2	9	8	51	14
			82303	124.20	125.70	1.50		<.2	14	8	75	17
			82304	125.70	126.60	.90		<.2	10	8	39	21
			82305	126.60	127.50	.90		<.2	15	8	34	15
			82306	127.50	128.40	.90		<.2	7	10	98	23
82307	128.40	129.30	.90		<.2	49	42	130	16			
82308	129.30	130.20	.90			.4	383	265	79	5		
130.20	182.40	GABBRO Dark green, very chlorite rich unit, medium to coarse grained, phaneritic, trace coarse pyrite. Rare calcite stringer, predominately chlorite fracture filling with localized calcite and carbonate fracture filling. Slight remnant magnetism, 1m to lower contact highly calcite altered. Lower contact 75 degrees to core axis.	82309	130.20	131.70	1.50		.2	216	800	115	<2
182.40	205.60	GABBRO Diorite? Light white-grey, plagioclase feldspar rich unit, coarse grained, phaneritic. Highly calcite-carbonate altered to 185.80 with 0.5% very coarse grained pyrite, 1% 70 degree quartz-calcite stringers-fracture filling. Low angle shearing throughout unit 30-50 degree to core axis. Moderately silicified unit with no reaction to HCl after 185.8m, weakly magnetic throughout. Trace coarse grained pyrite on calcite stringers, chlorite fracture filling. Lower contact 80 degrees to core axis.										
205.60	209.70	QUARTZ FELDSPAR PORPHYRY Grey, medium grained, moderately silicified, no reaction with HCl. Patchy epidote alteration with occasional irregular stringer, fractured throughout with chlorite healing. Trace-0.5% coarse grained pyrite associated with chlorite filling, very minor blocky sections. Lower contact 55 degrees to core axis.	82310	208.20	208.70	.50		<.2	76	119	60	<2
			82311	208.70	209.70	1.00		<.2	100	46	143	14
209.70	224.20	GABBRO Dark green, coarse grained phaneritic, extremely broken-blocky unit, chloritic fractures. Nil-trace coarse grained pyrite, minor fault gouge throughout. Occasional low angle epidote stringers, patchy plagioclase phenocrysts. Lower contact broken 80 degrees to core axis.	82312	209.70	210.20	.50		<.2	175	69	48	2

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
224.20	225.50	FAULT ZONE Gabbro host rock, 3 inch fault gouge, minor fault zone with 50% broken blocky sections, 25% rqd. Lower contact in broken section approximately 65 degrees to core axis.										
225.50	242.50	GABBRO Dark green, medium to coarse grained, minor fractured throughout unit. With chlorite and unknown white mineral both on fractures and in stringers form. 233m To lower contact 1% low angle carbonate stringers with 1% irregular epidote stringers. 50 Degree chlorite healed shearing throughout unit. Lower contact at 60 degrees to core axis.										
242.50	243.40	FAULT ZONE Host rock is a gabbro, dark green, medium grained, complete unit rehealed fault gouge. With some localized hematite alteration, no visible sulphides, patchy reaction with HCl, non magnetic. 0% Rqd with 95% recovery. Lower contact at 65 degrees to core axis.										
243.40	250.40	FAULT ZONE Host rock appears to be a quartz feldspar porphyry, 5% rqd, which is predominately siliceous unbroken section of dyke. Unit has an estimated trace to 1% coarse grained pyrite. Drillers note 8 feet of grind and the core recovery for this unit is estimated at best 35%. Remnant fragments range from 1cm to 2 inches in diameter. Lower contact at 70 degrees to core axis.										
250.40	261.50	SILICEOUS ARGILLITE Dark black, fine grained, 15% porphritic felsic inclusion and feldspathized sections. Occasional mafic inclusions up to 6inches - localized between 254-255m. 1-2% Clustered pyrite associated with siliceous felsic inclusions and feldspatization. Minor blocky section on upper contact from 250.40 to 252m. 2-3% Calcite with rare quartz stringers throughout unit, 5inch quartz-calcite vein at 265m. Local variable foliation 45-65 degrees, minor local rehealed brecciated sections. Lower 70 degrees to core axis.	82313	250.40	251.40	1.00		.4	68	43	91	13
			82314	251.40	252.40	1.00		<.2	18	21	127	27
			82315	252.40	253.40	1.00		.2	7	21	31	6
			82316	253.40	254.40	1.00		<.2	14	115	171	2
			82317	254.40	255.40	1.00		.2	45	47	84	2
			82318	255.40	256.40	1.00		<.2	17	36	66	3
			82319	256.40	257.40	1.00		.2	16	35	89	4
			82320	257.40	258.40	1.00		<.2	17	72	69	<2
			82321	258.40	259.40	1.00		<.2	12	56	78	<2
			82322	259.40	260.40	1.00		<.2	7	34	38	<2
			82323	260.40	261.50	1.10		<.2	7	21	21	2
261.50	279.60	ARGILLACEOUS GREYWACKE Light grey to dark grey with 30% black fine grained argillite sections. Trace coarse grained pyrite in wacke with trace to 0.5% coarse grained pyrite in the argillite section. Weak to moderately calcite altered with patchy rare weak sericite, 2-3% irregular calcite stringers.	82324	261.50	262.00	.50		<.2	4	85	104	3
			82325	262.00	262.00	.00		5.0	95	20	82	17

SSW

Section Azimuth 11.91°/191.9°
(looking westerly)

NNE N

GCAE06-24
AZ 180.0° / DIP -50.0°
552030.62 / 5394302.72

GCAE06-24
AZ 180.0° / DIP -50.0°
552030.62 / 5394302.72

No 1 P of 3010069
-445m @ N65°E

Coulson Twp.:LOT 1, CON 5

Coulson Twp.:LOT 1, CON 6

3010069

3010069

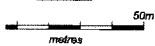
Coulson Twp.:LOT 1, CON 6

Coulson Twp.:LOT 1, CON 5

LEGEND

- OVBN OVERBURDEN
- RHY RHYOLITE
- RMAT RHYOLITE MAFIC TUFF
- RTAR RHYOLITE TUFF ARGILLITE
- RTSD RHYOLITE TUFF SEDIMENTS
- RTUF RHYOLITE TUFF
- RYFH HEMATIZED RHYOLITE FRAGMENTAL
- RYFR RHYOLITE FRAGMENTAL
- RYSP SPHERULITIC RHYOLITE
- BAS BASALT
- BASP BASALT (PILLOWED)
- VBAP ALTERED PILLOW BASALT
- BASX BASALT (ALTERED)
- BKZ BRECCIA ZONE
- VBAR BASALT - MIXED WITH ARGILLITE
- VBM BASALT - MIXED FLOW/PILLOWS
- VBP PORPHYRIC BASALT
- VBXM BASALT - MIXED FLOW BRECCIA/PILLOWS
- FBX FLOW BRECCIA
- MV MAFIC VOLCANIC
- MTSD MAFIC TUFF SEDIMENTS
- SED SEDIMENT
- SEDP PORPHYRIC SEDIMENT
- SARG SILICEOUS ARGILLITE
- AARG ALTERED ARGILLITE
- ARG ARGILLITE
- ARGW ARGILLACEOUS GREYWACKE
- ARSD ARGILLACEOUS SEDIMENT
- GSBD GRAPHITIC SEDIMENT
- GWKE GREYWACKE
- C-4TF CHERTY VOLCANOCLASTIC
- TGWK TUFFACEOUS GREYWACKE
- TSED TUFFACEOUS SEDIMENT
- APD ALTERED PORPHYRIC DYKE
- QFP QUARTZ FELDSPAR PORPHYRY
- DS DIABASE
- MD MAFIC DYKE
- GAB GABBRO
- QBK BRECCIA WHITE QUARTZ CEMENTED
- TFBX TUFF BRECCIA
- FZ FAULT ZONE
- 82260 SAMPLE NUMBER

SCALE



L 600 W @ N11.9°E

L 700 W @ N11.9°E

Abitibi East Property
DDH GCAE6-24

GOLDEN CHALICE
RESOURCES

DEC 2007

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
111.20	113.60	BASALT Dark grey to green, medium grained, massive, moderately calcite altered with weak chlorite alteration. Rare chlorite fracture filling, 1% low angle calcite stringers, no visible sulphides. Lower contact at 60 degrees to core axis.										
113.60	115.20	RHYOLITE Rhyolite?, light brown to green, mix rhyolite-basalt, medium with coarse grained sections. Local weak 30 degree calcite filled shears, no visible sulphides, chlorite and calcite fracture filling. Weak local 65 to 70 degree foliation, weak patchy calcite altered, 30 cm massive basalt at 114.8m. Lower contact 65 degrees to core axis.										
115.20	116.30	RHYOLITE TUFF Brown to green, coarse grained-tuffaceous, weak calcite altered, 1% low angle calcite stringers. 2 Inch minor fault on upper contact, well foliated unit, foliation at 65 degrees to core axis. No visible pyrite. Lower contact at 65 degrees tca.										
116.30	117.00	BASALT Dark green, medium grained, massive, weak to moderate calcite alteration with patchy weak chlorite. Rare low angle hairlike calcite stringers, chlorite and calcite fracture filling. Lower contact at 60 degrees to core axis.										
117.00	125.10	RHYOLITE Light brown, strongly calcite altered, fine grained, calcite filled fractures with chlorite and calcite fracture filling. Weakly porpheric, plagioclase phenocrysts, 35cm mafic inclusion at 117.9m. Massive-dark green, no visible sulphides. Lower contact at 45 degrees to core axis.										
125.10	139.20	BASALT - MIXED, WITH ARGILLITE Mixed unit, 60% light brown, fine grained, ankerite-sericite altered basalt. Occasional low angle calcite stringers, chlorite and calcite fracture filling, rare very weak 80 degree foliation. 25% Graphitic argillite, dark black, fine grained, moderately 80 degree foliation, graphitic fractures, minor. Blocky sections with local minor faulting, 1-2% 80 degree calcite stringers. 1-2% Coarse grained pyrite both in matrix and in stringers 80 degrees to core axis. 7inch Folded nose at 164.4m, rare quartz stringers, 15% dark grey,	82326	138.00	139.20	1.20		.4	14	11	13	7

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
139.20	142.70	coarse grained sediment, massive. Rare low angle calcite stringers. Lower contact at 60 degrees to core axis. BASALT Green to dark brown, medium grained, trace coarse grained pyrite. Weakly sericite and ankerite altered, 2-3% irregular quartz-calcite stringers, local argillite inclusion at 139.9m. Chlorite-calcite fracture filling. Lower contact at 75 degrees to core axis.	82327 82328 82329 82330	139.20 140.00 140.90 141.80	140.00 140.90 141.80 142.70	.80 .90 .90 .90		.3 .3 <.2 .3	60 165 191 99	70 58 27 43	197 83 82 114	8 <2 <2 4
142.70	179.00	GABBRO Dark green, coarse grained, phaneritic, no reaction to HCl, rare low angle calcite stringers. Chlorite fracture filling, nil to trace coarse grained pyrite, local k-spar on fractures. Patchy very epidote alteration, occasional 60 to 70 degree quartz-calcite chlorite healing. Gradual lower contact.	82331	142.70	143.70	1.00		.2	103	80	81	2
179.00	196.30	GABBRO Dark green, medium grained with localized coarse grained phaneritic sections. Minor fractures throughout-healed with chlorite, chlorite fracture filling, 1-2% irregular calcite stringers. Lower contact at 40 degrees to core axis.										
196.30	202.60	RHYOLITE Grey to brown, fine to medium grained, altered basalt??, highly calcite altered with very weak patchy sericite. 196.90 199.70 Cherty argillaceous sections with 75 degree argillite bands, no visible sulphides. Rare 75 degree calcite stringers, calcite fracture filling. Faulted lower contact (argillite-gouge) at 75-80 degrees to core axis. Lower contact at 75 degrees to core axis.	82332 82333 82334 82335 82336	196.30 197.50 198.60 199.70 202.00	197.50 198.60 199.70 200.20 202.60	1.20 1.10 1.10 .50 .60		<.2 <.2 <.2 <.2 .3	103 8 43 52 202	67 66 139 42 89	51 19 45 62 81	<2 <2 5 <2 10
202.60	213.80	RHYOLITE TUFF Dark grey, coarse grained, weak to moderately silicified, 2-3% low angle calcite stringers. 1-2% Coarse grained pyrite with local fine grained pyrite, trace galena at 203.1??. Occasional graphitic fracture, local leucoxene, 200-213.8m 1% irregular quartz stringers. 40cm Mafic inclusion at 213.1m. Lower contact brecciated quartz healed, 50 degrees to core axis.	82337 82338 82339 82340 82341 82342 82343 82344 82345 82346 82347	202.60 203.60 204.60 205.60 206.60 207.60 208.60 209.70 210.70 211.70 212.70 213.80	203.60 204.60 205.60 206.60 207.60 208.60 209.70 210.70 211.70 212.70 213.80	1.00 1.00 1.00 1.00 1.00 1.00 1.10 1.00 1.00 1.00 1.00 1.10		<.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 .3	65 92 78 26 14 32 14 11 12 59 72	18 18 13 16 18 17 13 14 14 17 39	27 23 19 28 25 26 23 28 26 21 53	3 7 <2 4 2 5 <2 <2 3 13 11
213.80	231.30	ARGILLITE Dark black, fine grained, moderately silicified to 218.8.	82348	213.80	214.80	1.00		.3	219	22	13	7

SSW

Section Azimuth 11.9°/191.9°
(looking westerly)

NNE

3013154

GCAE06-25
AZ 180.3° / DIP -50.9°
553826.46 / 5394025.20

GCAE06-25
AZ 180.3° / DIP -50.9°
553826.46 / 5394025.20

No. 1 P of 3011233
-365m @ N84°E

3011233

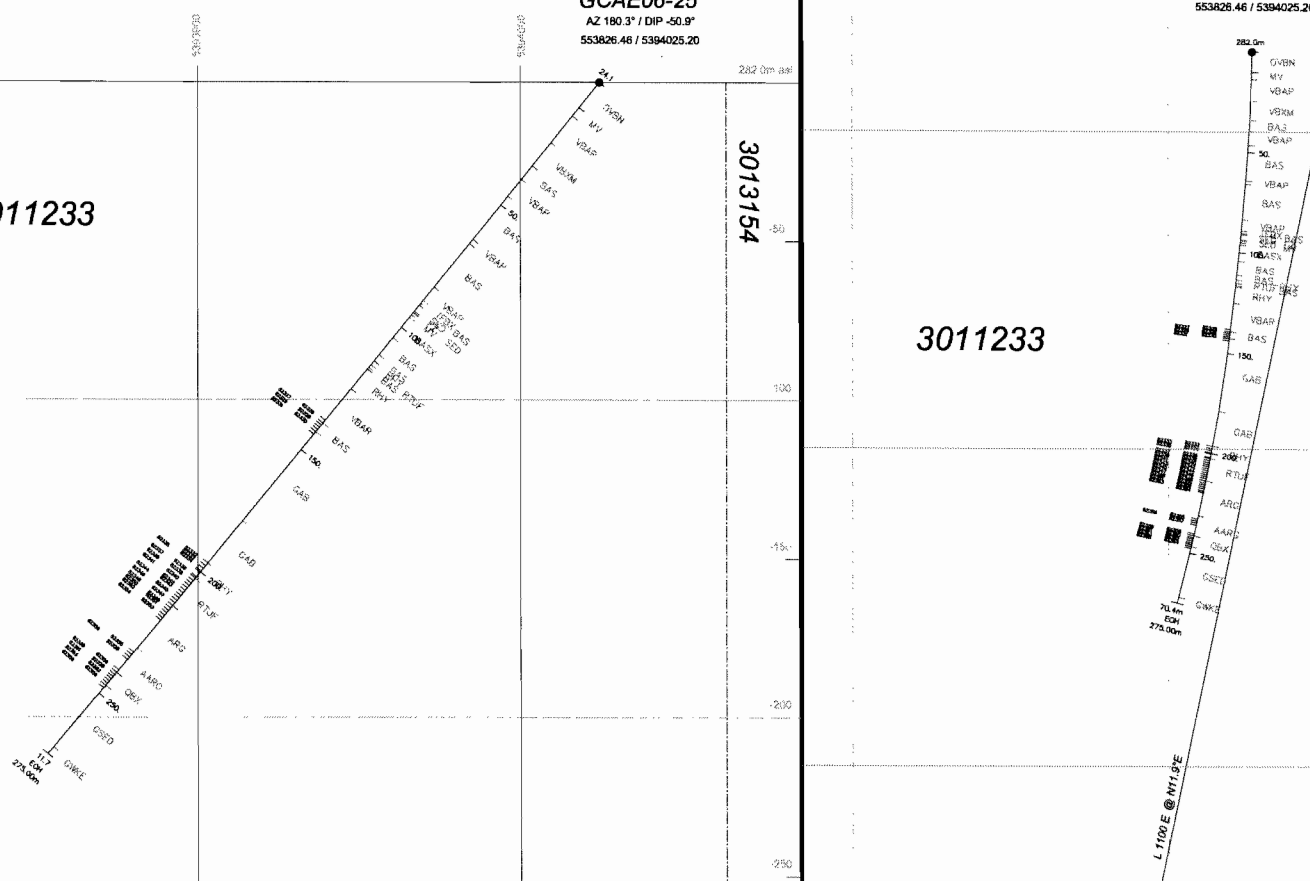
3013154

3011233

LEGEND

- OVBN OVERBURDEN
- RHY RHYOLITE
- RMT RHYOLITE/MAFIC TUFF
- RTAR RHYOLITE TUFF/ARGILLITE
- RTSD RHYOLITE TUFF/SEDIMENTS
- RTUF RHYOLITE TUFF
- RYYH HEMATIZED RHYOLITE FRAGMENTAL
- RYFR RHYOLITE FRAGMENTAL
- RYSF SPHERULITIC RHYOLITE
- BAS BASALT
- BASP BASALT (PILLOWED)
- VBAP ALTERED PILLOW BASALT
- BASX BASALT (ALTERED)
- BKZ BRECCIA ZONE
- VBAR BASALT - MIXED WITH ARGILLITE
- VBM BASALT - MIXED FLOWS/PILLOWS
- VBP PORPHYRITIC BASALT
- VBXM BASALT - MIXED FLOW BRECCIA/PILLOWS
- FLBX FLOW BRECCIA
- MV MAFIC VOLCANIC
- MTSD MAFIC TUFF/SEDIMENTS
- SED SEDIMENT
- SEDP PORPHYRITIC SEDIMENT
- SARC SILICEOUS ARGILLITE
- AARG ALTERED ARGILLITE
- ARG ARGILLITE
- ARGW ARGILLACEOUS GREYWACKE
- AMSd ARGILLACEOUS SEDIMENT
- GSED GRAPHITIC SEDIMENT
- GWKE GREYWACKE
- CHTF CHERTY VOLCANOCLASTIC
- TGWK TUFFACEOUS GREYWACKE
- TSED TUFFACEOUS SEDIMENT
- APD ALTERED PORPHYRITIC DYKE
- QFP QUARTZ FELDSPAR PORPHYRY
- DB DIABASE
- MD MAFIC DYKE
- GAB GABBRO
- GBX BRECCIA WHITE QUARTZ CEMENTED
- TFBX TUFF BRECCIA
- FZ FAULT ZONE
- 62260 SAMPLE NUMBER

SCALE



Abitibi East Property
DDH GCAE6-25

GOLDEN CHALICE
RESOURCES

Oct 2007

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
		chlorite, biotite? and various feldspars with localized concentrations of angular feldspar clasts. Locally bedded and foliated at 75-80 degrees tca. 143.00 146.00 Moderately micro fractured, healed with quartz-calcite, chlorite and overprinted with series of irregular epidote stringers. Trace coarse grained pyrite, non magnetic. Lower contact at 80 degrees to core axis.										
149.80	151.00	BRECCIA ZONE Agglomerate?, rhyolitic in composition, similar to previously mentioned fragmental sections from previous unit. Brown to grey, composition same as previous unit, abundant sub rounded to sub angular feldspar clasts ranging in size from 1mm to 9mm. Several angular black clasts are also present in the matrix ranging in size from 4mm-8mm. 1% Low angle calcite stringers, trace coarse grained pyrite. Lower contact gradational 75-80 tca.										
151.00	166.00	SPHERULITIC RHYOLITE Green to brown, fine to medium grained, moderate patchy epidote altered with a moderate to locally strong silicification. Unit has localized stretched spherulites? ranging in size from 2-4mm. Weakly bedded/foliated at 75 degrees degrees to core axis, calcite and chlorite fracture filling, 1-2% irregular calcite stringers. 158.00 166.00 Locally intensely fractured healed with calcite and chlorite, fine grained silicified angular fragments. Moderately foliated local undulations and stretched spherulites, patchy sericite and epidote alterations. Several cherty sections with associated 1% fine grained pyrite, trace coarse grained pyrite throughout section. 163.50 164.40 Broken core with quartz-calcite crystals on fractures. Lower contact at 75 degrees to core axis.	82373	159.00	160.00	1.00		.4	10	47	73	<2
			82374	160.00	161.00	1.00		.3	34	31	40	<2
			82375	161.00	162.00	1.00		.2	27	36	50	2
			82376	162.00	163.00	1.00		.4	15	35	55	<2
			82377	163.00	164.00	1.00		<.2	122	28	45	<2
			82378	164.00	165.00	1.00		<.2	26	29	42	<2
			82379	165.00	166.00	1.00		<.2	34	28	47	2
166.00	180.10	SPHERULITIC RHYOLITE Green to grey, medium to coarse grained, weak pervasive chlorite alteration with patchy weak epidote, silicification and calcite alteration. 2-3% Low angle calcite stringers 30-45 degrees to core axis with localized hematite association. Occasional very localized stretched spherulites in fine grained silicified matrix. Chlorite and calcite fracture filling with localized fractures parallel to core axis. Non magnetic, trace localized coarse grained pyrite on fractures. 168.90 170.40 Patchy silicified tan to brown alteration. Lower contact at 75 degrees to core axis.	82380	166.00	167.00	1.00		<.2	11	33	66	<2
			82381	177.10	178.60	1.50		<.2	30	47	52	2
			82382	178.60	180.10	1.50		<.2	23	46	55	<2
180.10	187.20	RHYOLITE TUFF Spherulitic, green to grey-red, medium to coarse grained, localized angular black clasts@183.5m ranging in size from 0.5mm to 3mm.	82383	180.10	181.10	1.00		<.2	34	46	57	<2
			82384	181.10	182.10	1.00		.2	22	47	58	<2

S

Section Azimuth 0.0°/180.0°
(looking west)

N

N

GCAE06-26
AZ 180.0° / DIP -45.0°
552911.85 / 5393468.06

GCAE06-26
AZ 180.0° / DIP -45.0°
552911.85 / 5393468.06

No 1 P of 3010062
-114m @ N25°E

LEGEND

- OVBN OVERBURDEN
- RHY RHYOLITE
- RMT RHYOLITE/MAFIC TUFF
- RTAR RHYOLITE TUFF/ARGILLITE
- RTSD RHYOLITE TUFF/SEDIMENTS
- RTUF RHYOLITE TUFF
- RYPH HEMATIZED RHYOLITE FRAGMENTAL
- RYFR RHYOLITE FRAGMENTAL
- RYSP SPHERULITIC RHYOLITE
- BAS BASALT
- BASP BASALT (PILLOWED)
- VBAP ALTERED PILLOW BASALT
- BASK BASALT (ALTERED)
- BXZ BRECCIA ZONE
- VBAR BASALT - MIXED WITH ARGILLITE
- VBM BASALT - MIXED FLOW/PILLOWS
- VBP PORPHYRITIC BASALT
- VBXM BASALT - MIXED FLOW BRECCIA/PILLOWS
- FLBK FLOW BRECCIA
- MV MAFIC VOLCANIC
- MTSD MAFIC TUFF/SEDIMENTS
- SED SEDIMENT
- SEDP PORPHYRITIC SEDIMENT
- SARG SILICEOUS ARGILLITE
- AARG ALTERED ARGILLITE
- ARG ARGILLITE
- ARGW ARGILLACEOUS GREYWACKE
- ARSD ARGILLACEOUS SEDIMENT
- GSED GRAPHITIC SEDIMENT
- CHKE GREYWACKE
- CHTF CHERTY VOLCANOCLASTIC
- TGWK TUFFACEOUS GREYWACKE
- TSED TUFFACEOUS SEDIMENT
- APD ALTERED PORPHYRITIC DYKE
- QFP QUARTZ FELDSPAR PORPHYRY
- DB DIABASE
- MD MAFIC DYKE
- GAB GABBRO
- QBK BRECCIA WHITE QUARTZ CEMENTED
- TFEX TUFF BRECCIA
- FZ FAULT ZONE
- 82260 SAMPLE NUMBER

SCALE



3010062

Coulson Twp.:LOT 1A, CON 5

3010062

L 300°E @ INT. DYKE

Coulson Twp.:LOT 1A, CON 5

Abitibi East Property
DDH GCAE6-26

GOLDEN CHALICE
RESOURCES

06/2007

Date: 16 Oct, 2008

GOLDEN CHALICE RESOURCESS INC.

Page: 1 of 3

Northing: 2930
 Easting: 3120
 Elevation: 290

DRILL HOLE RECORD

Drill Hole: GCAE6-27

Collar Azi.: 180.0
 Collar Dip: -45.0

*** Dip Tests ***
 Depth Azi. Dip
 71 180.7 -43.9
 122 184.4 -43.4
 173 187.1 -41.9
 200 186.7 -40.8

Project: Abitibi East
 Property: Coulson
 Claim: 3010062/3013171

Hole length: 200.00
 Units: Metric
 Core size: NQ
 Grid: Metric 2005

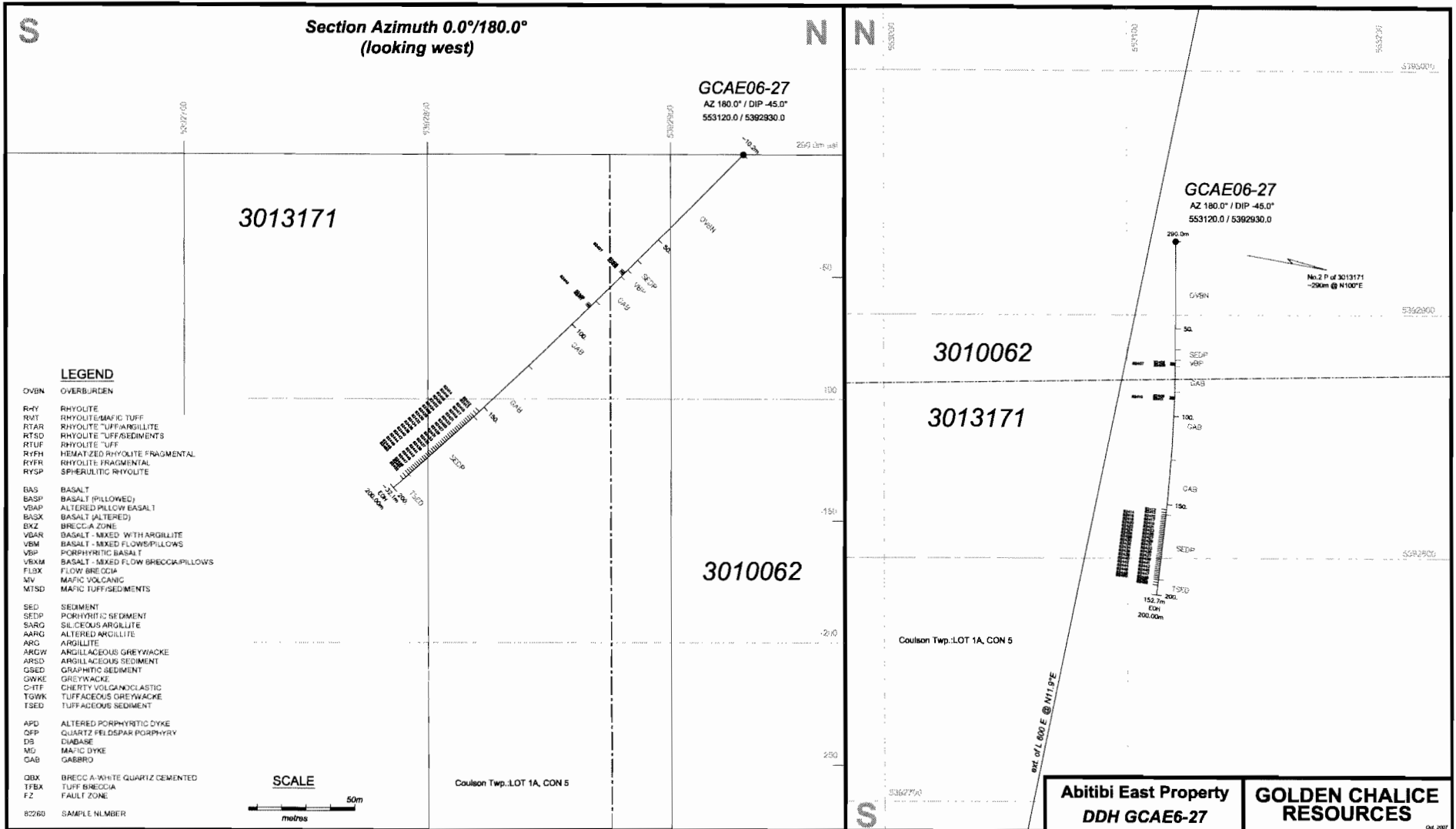
Northing: 5392930
 GPS Easting: 553120
 GPS Elevation: 290m asl

Date Started: Dec 8/08
 Date completed: Dec 10/08 SW
 Drilled by: Norex
 Sample type: Cut Core
 Analyses: BM AA
 Lab: Expert
 Sample series: 82406-452
 Lab report: A07-0321
 Folder: 16751

Materials left: Casing
 Collar survey: GPS
 DH Survey method: Reflex
 Comments: Target L
 Logged by: G. Sparling
 Date(s) logged: December 29, 2006
 Purpose:
 Core storage: Moneta Facility Timmins

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
.00	62.00	OVERBURDEN 62m Of nw casing.										
62.00	67.80	PORPHYRITIC SEDIMENT Dark grey to green, medium to coarse grained, patchy intensely porpheric. Sub rounded to sub angular predominately pink-white feldspar clasts ranging in size from 2mm to 2.5 inches. Black non magnetic clasts ranging in size from 2mm to 8mm with 1-2mm quartz phenocrysts throughout matrix. The matrix is weakly to moderately chloritized with patchy weak silicification. 1% 70 Degree calcite stringers, non magnetic, no visible sulphides, chlorite and calcite fracture filling. 65.80 66.40 Minor broken sections with local vugs. Lower contact at 70 degrees tca.										
67.80	71.60	PORPHYRITIC BASALT Dark grey to black, fine to medium grained, weak chloritized, patchy weakly porpheric with local massive section. 1-2mm Quartz phenocrysts, trace hairlike calcite stringers orange degrees degrees to core axis. Rare 80 degree epidote stringers, trace coarse grained pyrite. Chlorite fracture filling with local chlorite healed micro fractures. 67.80 68.00 Broken section, minor faulted contact? with local vugs.	82406	69.30	69.80	.50	<.2	191	28	61	<2	
			82407	69.80	70.30	.50	<.2	1950	33	85	<2	
			82408	70.30	70.80	.50	<.2	276	30	79	<2	

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
71.60	86.20	69.80 70.00 Chalcopyrite and coarse grained pyrite on fractures. Lower contact at 75 degrees to core axis. GABBRO Green, coarse grained (phaneritic) with local more medium grained sections. Weakly calcite altered near upper contact with patchy weak epidote and very weak chlorite alterations. 1% Low angle calcite and epidote stringers, weakly magnetic, chlorite and calcite fracture filling with local k-spar. Trace coarse grained pyrite.										
86.20	124.70	GABBRO Feldspar gabbro. Green to white-yellow, coarse grained, weak epidote altered with patchy silicification. 2-3% Low angle quartz-calcite stringers with low angle chlorite healed fractures, chlorite-epidote-calcite fracture filling. Trace coarse grained pyrite, 1 speck of honey sphalerite in quartz stringer at 89.3m, weakly magnetic. 87.00 87.80 Minor broken section with local vugs. 112.00 115.00 Increase quartz-calcite stringer with epidote alteration, local leucoxene. Lower contact at 70 degrees tca. 89.30 89.80 1 speck of sphalerite.	82409 82410 82411	88.80 89.30 89.80	89.30 89.80 90.30	.50 .50 .50		<.2 <.2 <.2	98 89 98	265 251 257	50 144 54	<2 2 <2
124.70	155.70	GABBRO Dark green to grey, coarse grained (phaneritic) with local medium grained sections. 15% Feldspar gabbro sections, alteration consists of a weak patchy epidote, weak to moderate chlorite alteration with patchy silicification. 3-4% 70-75 Degree epidote altered quartz-calcite stringers with 1% irregular calcite-epidote stringers. Weakly magnetic, chlorite and calcite fracture filling, nil-trace coarse grained pyrite. Sharp lower contact at 70 degrees tca.	82412 82413	152.70 154.30	154.30 155.70	1.60 1.40		<.2 <.2	82 91	82 84	53 59	<2 6
155.70	191.70	PORPHYRITIC SEDIMENT Porphyritic sediment/fragmental/tuff????? Dark grey to green to black, coarse grained, porphyritic. Unit consists of 20% patchy grey to green coarse grained, weakly porphyritic, weak to moderately silicified with weak epidote alteration. 1% Low angle calcite stringers and 0.5% 80 degree epidote stringers, non magnetic. Most of the unit (80%) consists of a black to dark green, coarse grained strongly porphyritic, moderately chlorite altered with patchy weak epidote and strong silicification. Clasts of quartz, various feldspars, black (chlorite??), buff-white LAMPORPHYRE DYKE are found throughout. The clasts are healed in a black chloritic matrix and are sub rounded to sub angular in shape.	82414 82415 82416 82417 82418 82419 82420 82421 82422 82423 82424 82425 82426	155.70 156.70 157.70 158.70 159.70 160.70 161.70 162.70 163.70 164.70 165.70 166.70 167.70	156.70 157.70 158.70 159.70 160.70 161.70 162.70 163.70 164.70 165.70 166.70 167.70 168.70	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		<.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2	28 2 5 3 2 2 2 2 5 10 4 3 3	35 20 24 24 25 24 22 22 22 25 24 24 24	46 39 40 42 44 45 35 40 34 37 44 38 38	4 <2 <2 <2 <2 <2 4 <2 3 <2 <2 <2 <2



Section Azimuth 0.0°/180.0°
(looking west)

GCAE06-27
AZ 180.0° / DIP -45.0°
553120.0 / 5362930.0

GCAE06-27
AZ 180.0° / DIP -45.0°
553120.0 / 5362930.0

LEGEND

- OVBN OVERBURDEN
- RHY RHYOLITE
- RMT RHYOLITE/MAFIC TUFF
- RTAR RHYOLITE TUFF/ARGILLITE
- RTSD RHYOLITE TUFF/SEDIMENTS
- RTUF RHYOLITE TUFF
- RYFH HEMATITE RHYOLITE FRAGMENTAL
- RYFR RHYOLITE FRAGMENTAL
- RYSP SPHERULITIC RHYOLITE
- BAS BASALT
- BASP BASALT (PILLOWED)
- VBAP ALTERED PILLOW BASALT
- BASX BASALT (ALTERED)
- BXZ BRECCIA ZONE
- VBAR BASALT - MIXED WITH ARGILLITE
- VBM BASALT - MIXED FLOW/BILLOWS
- VBP PORPHYRITIC BASALT
- VBXM BASALT - MIXED FLOW BRECCIA/PILLOWS
- FLB FLOW BRECCIA
- MV MAFIC VOLCANIC
- MTSD MAFIC TUFF/SEDIMENTS
- SED SEDIMENT
- SEDP PORPHYRITIC SEDIMENT
- SARG SILICEOUS ARGILLITE
- AARG ALTERED ARGILLITE
- ARG ARGILLITE
- ARGW ARGILLACEOUS GREYWACKE
- ARSD ARGILLACEOUS SEDIMENT
- QSED GRAPHITIC SEDIMENT
- GRW GREYWACKE
- CHF CHERTY VOLCANOCLASTIC
- TGWK TUFFACEOUS GREYWACKE
- TSED TUFFACEOUS SEDIMENT
- APD ALTERED PORPHYRITIC DYKE
- QPP QUARTZ FELDSPAR PORPHYRY
- DS DIABASE
- MD MAFIC DYKE
- GAB GABBRO
- QBZ BRECCIA-WHITE QUARTZ CEMENTED
- TFBA TUFF BRECCIA
- FZ FAULT ZONE
- 82260 SAMPLE NUMBER



Abitibi East Property
DDH GCAE6-27

GOLDEN CHALICE
RESOURCES

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm
23.90	42.80	Strong uniform magnetism, 2% 70-80 degrees to core axis calcite stringers, chlorite and calcite healed fractures and fracture filling. Sharp lower contact at 75 tca. BASALT - MIXED FLOWS/PILLOWS Dark green, medium grained with local fine grained pillowed sections, local calcite filled amygdales. Minor broken blocky sections with chlorite fracture filling and localized oxidation on fractures. Local irregular calcite healed micro fractures, moderate local magnetism. 41.20 42.80 Moderately foliated with circular fragments??. Lower contact weakly sericite altered at 40 tca.	82453	41.30	42.80	1.50		.3	59	37	373	6
42.80	51.60	CHERTY VOLCANOCLASTIC Cherty volcanic clastic sediment. Grey to yellow, moderate ankerite alteration with patchy moderate sericite and silicification. Coarse grained angular clastic sections with fine grained cherty and argillaceous sections. Trace to 1% pyrite clasts (sub rounded, 1cm to 3cm in size), moderately foliated, foliation at 50 degrees to core axis. Calcite fracture filling. 48.80 49.50 Localized argillaceous inter-flows with minor graphitic fractures. Sharp lower contact at 55 tca.	82454 82455 82456 82457 82458 82459 82460 82461 82462	42.80 43.70 44.70 45.70 46.70 47.70 48.70 49.70 50.70	43.70 44.70 45.70 46.70 47.70 48.70 49.70 50.70 51.60	.90 1.00 1.00 1.00 1.00 1.00 1.00 1.00 .90	<.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2	17 25 16 22 20 31 54 22 17	16 16 15 17 15 25 25 19 15	41 366 236 49 87 79 339 65 49	<2 <2 <2 3 <2 3 8 <2 <2	
51.60	68.60	BASALT Dark green, medium grained, alteration consists of weak chlorite with patchy epidote and localized feldspatization rare irregular calcite stringer with local quartz-calcite fracture filling. Chlorite healed micro fractures and fracture filling, nil to trace coarse grained pyrite. 67.50 68.60 Bleached brown from lower unit (ankerite-sericite). Sharp lower contact at 35 tca??.	82463	51.60	52.60	1.00		<.2	122	68	83	<2
68.60	72.80	CHERTY VOLCANOCLASTIC Cherty volcanic clastic sediment. Light yellow to green, very coarse grained, alteration consist of strong sericite alteration with weak ankerite. 0.5m Cherty section on questionable upper contact is strongly silicified. Matrix is weakly foliated at 70-75 degrees to core axis and is littered with brown sub angular clasts ranging in size from 1mm to 3mm. Rare calcite stringers at 65 degrees to core axis, no visible sulphide present. Localized 65 degree shears. 72.20 72.40 Quartz-calcite vein with sub rounded fragment of the host rock. Lower contact at 60 degrees tca.	82464	71.30	72.80	1.50		<.2	16	15	30	<2
72.80	88.00	GREYWACKE Felsic greywacke.	82465	72.80	73.90	1.10		<.2	27	16	27	3

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm						
88.00	123.20	Light brown to green-yellow, medium to coarse grained greywacke with fine grained felsic volcanic and cherty-argillite sections. Weakly to strongly silicified throughout unit with patchy moderate to strong sericite. Local moderately foliated, foliation at 55 degrees to core axis with localized cherty sections with argillite beds at 50 degrees to core axis. Trace to 0.5% coarse clasts (3) of pyrite (sub rounded, 2cm-19cm). 1% Low angle calcite stringer. 75.50 77.20 Local moderately brecciated, healed with quartz-calcite veining. 77.20 86.20 Low angle shearing in felsic volcanic-cherty sections, shearing healed with quartz, local shearing parallel to core axis. Sharp lower contact at 40 tca.	82466	73.90	75.00	1.10		<.2	30	22	57	<2						
			82467	75.00	76.00	1.00		<.2	14	28	41	<2						
			82468	76.00	76.90	.90		<.2	5	18	46	<2						
			82469	76.90	77.65	.75		<.2	<1	<1	<1	<2						
			82470	77.65	78.40	.75		<.2	15	22	52	4						
			82471	78.40	79.25	.85		<.2	15	12	16	<2						
			82472	79.25	80.10	.85		.2	30	17	53	2						
			82473	80.10	80.95	.85		<.2	18	12	37	<2						
			82474	80.95	81.80	.85		<.2	12	10	41	<2						
			82475	81.80	82.90	1.10		<.2	10	9	31	<2						
			82476	82.90	84.00	1.10		<.2	16	13	35	<2						
			82477	84.00	85.00	1.00		.2	19	14	51	<2						
			82478	85.00	86.00	1.00		.2	185	29	30	5						
			82479	86.00	87.00	1.00		<.2	13	10	28	<2						
			82480	87.00	88.00	1.00		<.2	38	34	38	<2						
123.20	148.60	BASALT Dark green to grey, medium to coarse grained, uniform texture, moderately hard, locally weakly magnetic. Alteration consists of patchy weak chlorite, calcite and silicification, local high concentrations of leucoxene. 1-2% 70-80 Degree hairlike calcite-epidote stringers with local hematite association. Fracture filling consists of predominately chlorite with local calcite. Nil to trace coarse grained pyrite. 92.00 96.00 Highly leucoxinitic section with hematite-calcite stringers. Gradual lower contact.	82481	88.00	89.50	1.50		<.2	116	80	81	<2						
			82482	147.60	148.60	1.00		.2	113	81	70	<2						
			82483	148.60	149.60	1.00		<.2	7	13	20	<2						
			82484	149.60	150.60	1.00		<.2	21	17	49	<2						
			82485	150.60	151.50	.90		<.2	11	12	51	<2						
			148.60	151.50	CHERTY SEDIMENTS Cherty sediments. Yellow to brown, fine to medium grained, moderately sericite altered with patchy ankerite and calcite alteration. Locally highly silicified in cherty sections-approximately 25%, 1% 70 degree calcite stringers. Moderately broken unit with calcite-chlorite fracture filling. Trace localized coarse grained pyrite in matrix, strong 40 degree foliation. Lower contact at 40 degrees to core axis.	82483	148.60	149.60	1.00		<.2	7	13	20	<2			
						82484	149.60	150.60	1.00		<.2	21	17	49	<2			
						82485	150.60	151.50	.90		<.2	11	12	51	<2			
						151.50	153.00	BASALT (ALTERED) Green to brown, medium grained, patchy ankerite, sericite and chlorite	82486	151.50	153.00	1.50		<.2	10	36	73	<2

SSW

Section Azimuth 11.9°/191.9°
(looking westerly)

NNE

N

3010062

GCAE06-28A
AZ 195.0° / DIP -65.0°
553147.0 / 5394066.0

GCAE06-28
AZ 188.4° / DIP -75.4°
553153.1 / 5394125.8

GCAE06-28
AZ 188.4° / DIP -75.4°
553153.1 / 5394125.8

Coulson Twp.:LOT 1A, CON 6

3010062

GCAE06-28A
AZ 195.0° / DIP -65.0°
553147.0 / 5394066.0

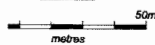
Coulson Twp.:LOT 1A, CON 5

L 400 E @ N11.9° E

LEGEND

- OVBN OVERBURDEN
- RHY RHYOLITE
- RMF RHYOLITE-MAFIC TUFF
- RTAR RHYOLITE TUFF/ARGILLITE
- RTSD RHYOLITE TUFF/SEDIMENTS
- RTUF RHYOLITE TUFF
- RYFH REBATED ZEE RHYOLITE FRAGMENTAL
- RYFR RHYOLITE FRAGMENTAL
- RYSP SPHERULITIC RHYOLITE
- BAS BASALT
- BASP BASALT (PILLOWED)
- VBAP ALTERED PILLOW BASALT
- BASX BASALT (ALTERED)
- BKZ BRECCIA ZONE
- VBAR BASALT - MIXED WITH ARGILLITE
- VBM BASALT - MIXED FLOWS/PILLOWS
- VBM PORPHYRITIC BASALT
- VBKM BASALT - MIXED FLOW BRECCIA/PILLOWS
- FLBX FLOW BRECCIA
- MV MAFIC VOLCANIC
- MTSD MAFIC TUFF/SEDIMENTS
- SED SEDIMENT
- SEDP PORPHYRITIC SEDIMENT
- SARG SILICEOUS ARGILLITE
- AARG ALTERED ARGILLITE
- ARG ARGILLITE
- ARGW ARGILLACEOUS GREYWACKE
- ARSD ARGILLACEOUS SEDIMENT
- GSED GRAPHITIC SEDIMENT
- GWKE GREYWACKE
- CHTF CHERTY CLASTIC
- TGWK TUFFACEOUS GREYWACKE
- TSED TUFFACEOUS SEDIMENT
- APD ALTERED PORPHYRITIC DYKE
- QFP QUARTZ FELDSPAR PORPHYRY
- DB DIABASE
- MD MAFIC DYKE
- GNB GABBRO
- QDX BRECCIA-WHITE QUARTZ CEMENTED
- FBX TUFF BRECCIA
- FZ FAULT ZONE
- RZ90 SAMPLE NUMBER

SCALE



Coulson Twp.:LOT 1A, CON 5

Coulson Twp.:LOT 1A, CON 6

Abitibi East Property
DDH GCAE6-28/28A

GOLDEN CHALICE
RESOURCES

Oct. 2007

Luce Lafleur

De: Darlene Wojtczak [darlenewojtczak@persona.ca]
Envoyé: 9 octobre 2008 09:13
À: 'Luce Lafleur'
Objet: Abitibi East

Hello Luce,

We are missing the following assay certificates for the Abitibi East project. Can you please send me another copy of these.

Thank you,

Darlene Wojtczak
Office Manager
Golden Chalice Resources
P.O. Box 1124
571 Moneta Ave.
Timmins, On
Tel (705)360-7771
Fax (705)360-5173

***** Certificate of analysis *****

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

Date : 2008/10/09

Page : 1 of 5

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16145 Your order number : Project : Total number of samples : 88

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
81868		<5	<5	6	<5	<5	<5
81869		8		6		<5	
81870		<5		9		<5	
81871		<5		7		<5	
81872		<5		5		<5	
81873		<5		<5		<5	
81874		<5		<5		<5	
81875	4.46	4300		<5		<5	
81876		27		7		<5	
81877		11		6		<5	
81878		7		11		<5	
81879		6		9		<5	
81880		<5	<5	<5	<5	<5	<5
81881		<5		<5		<5	
81882		9		11		10	
81883		<5		12		17	
81884		8		16		21	
81885		16		<5		8	
81886		<5		<5		<5	
81887		<5		<5		<5	


 Luce Lafleur, Office Manager

***** Certificate of analysis *****

Laboratoire Expert Inc.

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 Rouyn-Noranda, Québec
 Canada, J9X 6P2
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Date : 2008/10/09

Page : 2 of 5

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16145 Your order number : Project : Total number of samples : 88

<u>Designation</u>	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
81888		<5		<5		<5	
81889		6		6		9	
81890		5		13		22	
81891		<5		9		21	
81892		<5	<5	10	8	15	13
81893		<5		9		16	
81894		8		6		17	
81895		<5		<5		13	
81896		<5		13		18	
81897		<5		6		20	
81898		<5		7		20	
81899		<5		5		18	
81900		<5		11		11	
81901		<5		<5		8	
81902		<5		<5		6	
81903		<5		<5		10	
81904		<5	<5	<5	<5	<5	<5
81905		<5		<5		<5	
81906		<5		<5		<5	
81907		<5		<5		<5	

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Page : 3 of 5

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16145 Your order number : Project : Total number of samples : 88

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
81908		<5		<5		<5	
81909		<5		<5		<5	
81910		<5		<5		<5	
81911		<5		<5		<5	
81912		<5		<5		<5	
81913		<5		<5		<5	
81914		<5		<5		<5	
81915		<5		<5		<5	
82270		<5	<5	<5	<5	<5	<5
81916		<5		<5		<5	
81917		<5		<5		<5	
81918		<5		<5		<5	
81919		<5		<5		<5	
81920		<5		<5		<5	
81921		<5		<5		<5	
81922		<5		<5		<5	
81923		<5		<5		<5	
81924		<5		<5		<5	
81925	4.39	4274		<5		<5	
81926		<5		<5		<5	

***** Certificate of analysis *****

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 Canada, J9X 6P2
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Date : 2008/10/09

Page : 4 of 5

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16145 Your order number : Project : Total number of samples : 88

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
81927		<5	<5	<5	<5	<5	<5
81928		<5		<5		<5	
81929		<5		<5		<5	
81930		<5		<5		<5	
81487		<5		<5		<5	
81488		8		<5		<5	
81489		135		<5		<5	
81490		45		<5		<5	
81491		30		<5		<5	
81492		<5		<5		<5	
81493		<5		<5		<5	
81494		10		<5		<5	
81495		<5	<5	<5	<5	<5	<5
81496		<5		<5		<5	
81497		6		<5		<5	
81498		42		<5		<5	
81499		8		<5		<5	
81500	4.49	4280		<5		<5	
81501		54		<5		<5	
81502		5		11		<5	

***** Certificate of analysis *****

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Date : 2008/10/09

Page : 5 of 5

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16145 Your order number : Project : Total number of samples : 88

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
81503		<5		6		<5	
81504		5		8		<5	
81505		<5		5		<5	
81506		41		7		<5	
81507		6	<5	<5	<5	<5	<5
81508		<5		<5		<5	
81509		7		<5		<5	
81510		<5		<5		<5	

***** Certificate of analysis *****

Laboratoire Expert Inc.

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 Rouyn-Noranda, Québec
 Canada, J9X 6P2
 Telephone : (819) 762-7100, Fax : (819) 762-7510

Date : 2008/10/09

Page : 1 of 2

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16204 Your order number : Project : Total number of samples : 24

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
EL-81931	5	6	6	<5	<5	<5
EL-81932	7		<5		<5	
EL-81933	5		5		<5	
EL-81934	<5		<5		<5	
EL-81935	<5		5		<5	
EL-81936	<5		6		<5	
EL-81937	<5		9		<5	
EL-81938	<5		<5		<5	
EL-81939	6		<5		<5	
EL-81940	<5		<5		<5	
EL-81941	<5		<5		<5	
EL-81942	<5		<5		<5	
EL-81943	7	5	<5	<5	<5	<5
EL-81944	<5		<5		<5	
EL-81945	8		<5		<5	
EL-81946	<5		<5		<5	
EL-81947	<5		<5		<5	
EL-81948	<5		<5		<5	
EL-81949	<5		<5		<5	
EL-81950	<5		22		15	


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Page : 2 of 2

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. V6B 1N2	Folder : 16204 Your order number : Project : Total number of samples : 24
Telephone : (613) 831-9976 Fax : (613) 831-0482	

<u>Designation</u>	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
EL-81951	<5		<5		<5	
EL-81952	5		<5		<5	
EL-81953	<5		<5		<5	
EL-81954	<5		<5		<5	

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Page : 1 of 4

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. V6B 1N2	Folder : 16416 Your order number : Project : Total number of samples : 70
Telephone : (613) 831-9976	
Fax : (613) 831-0482	

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
82255		<5	<5	<5	<5	<5	<5
82256		12		<5		<5	
82257		<5		<5		<5	
82258		6		<5		<5	
82259		<5		<5		<5	
82260		<5		<5		<5	
82261		<5		<5		<5	
82262		6		<5		<5	
82263		<5		<5		5	
82264		5		8		18	
82265		19		<5		<5	
82266		7		6		21	
82267		<5	<5	<5	<5	9	8
82268		8		5		20	
82269		5		7		25	
82271		37		10		11	
82272		15		<5		<5	
82273		13		<5		<5	
82274		7		6		<5	
82275	2.67	2614		<5		<5	


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Page : 2 of 4

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. V6B 1N2 Telephone : (613) 831-9976 Fax : (613) 831-0482	Folder : 16416 Your order number : Project : Total number of samples : 70

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
82276		24		<5		<5	
82277		18		<5		<5	
82278		16		<5		<5	
82279		5		<5		<5	
82280		5	<5	7	<5	<5	<5
82281		<5		<5		<5	
82282		<5		<5		<5	
82283		<5		<5		<5	
82284		<5		<5		<5	
82285		<5		<5		<5	
82286		<5		<5		<5	
82287		<5		<5		<5	
82288		<5		<5		<5	
82289		<5		<5		<5	
82290		6		<5		<5	
82291		<5		<5		<5	
82292		<5	<5	<5	<5	<5	<5
82293		<5		<5		<5	
82294		12		10		<5	
82295		7		<5		<5	

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Page : 3 of 4

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16416 Your order number : Project : Total number of samples : 70

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
82296		<5		<5		<5	
82297		<5		<5		<5	
82298		<5		<5		<5	
82299		<5		<5		<5	
82300		<5		24		19	
82301		<5		<5		<5	
82302		<5		<5		<5	
82303		<5		<5		<5	
82304		<5	<5	<5	<5	<5	<5
82305		<5		<5		<5	
82306		<5		<5		<5	
82307		<5		<5		<5	
82308		8		<5		11	
82309		11		16		30	
82310		6		<5		<5	
82311		<5		<5		<5	
82312		<5		<5		<5	
82313		<5		<5		<5	
82314		<5		<5		<5	
82315		17		<5		<5	

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Page : 4 of 4

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16416 Your order number : Project : Total number of samples : 70

<u>Designation</u>	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5
82316		7	6	<5	<5	<5	<5
82317		8		<5		<5	
82318		6		<5		<5	
82319		6		<5		<5	
82320		<5		<5		<5	
82321		18		5		<5	
82322		6		<5		<5	
82323		8		<5		<5	
82324		5		<5		<5	
82325	3.12	2980		<5		<5	

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Page : 1 of 2

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16746 Your order number : Project : ABITIBI EAST Total number of samples : 35

<u>Designation</u>	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5
82453	5	<5
82454	<5	
82455	<5	
82456	<5	
82457	<5	
82458	10	
82459	<5	
82460	<5	
82461	<5	
82462	<5	
82463	<5	
82464	<5	
82465	<5	<5
82466	<5	
82467	<5	
82468	7	
82469	<5	
82470	<5	
82471	<5	
82472	<5	


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Page : 2 of 2

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16746 Your order number : Project : ABITIBI EAST Total number of samples : 35

<u>Designation</u>	<u>Au FA-GEO ppb 5</u>	<u>Au-Dup FA-GEO ppb 5</u>
82473	<5	
82474	<5	
82475	<5	
82476	<5	
82477	<5	<5
82478	<5	
82479	<5	
82480	<5	
82481	<5	
82482	<5	
82483	<5	
82484	<5	
82485	<5	
82486	<5	
82487	<5	

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Page : 1 of 7

Client : Golden Chalice Resources	
Addressee : John Keating	Folder : 16751
711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Your order number : Project : ABITIBI EAST
	Total number of samples : 127

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5
82326	<5	<5
82327	<5	
82328	<5	
82329	5	
82330	<5	
82331	<5	
82332	<5	
82333	<5	
82334	<5	
82335	6	
82336	7	
82337	<5	
82338	<5	<5
82339	<5	
82340	<5	
82341	<5	
82342	8	
82343	6	
82344	<5	
82345	<5	


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Page : 2 of 7

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16751 Your order number : Project : ABITIBI EAST Total number of samples : 127

<u>Designation</u>	<u>Au FA-GEO ppb 5</u>	<u>Au-Dup FA-GEO ppb 5</u>
82346	7	
82347	7	
82348	<5	
82349	<5	
82350	<5	<5
82351	7	
82352	7	
82353	8	
82354	13	
82355	8	
82356	10	
82357	6	
82358	24	
82359	9	
82360	8	
82361	6	
82362	8	9
82363	6	
82364	<5	
82365	9	

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Page : 3 of 7

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16751 Your order number : Project : ABITIBI EAST Total number of samples : 127

<u>Designation</u>	<u>Au FA-GEO ppb 5</u>	<u>Au-Dup FA-GEO ppb 5</u>
82366	<5	
82367	7	
82368	<5	
82369	<5	
82370	10	
82371	8	
82372	<5	
82373	<5	
82374	10	8
82375	11	
82376	20	
82377	31	
82378	10	
82379	72	
82380	7	
82381	<5	
82382	8	
82383	7	
82384	<5	
82385	6	

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Page : 4 of 7

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16751 Your order number : Project : ABITIBI EAST Total number of samples : 127

<u>Designation</u>	<u>Au FA-GEO ppb 5</u>	<u>Au-Dup FA-GEO ppb 5</u>
82386	<5	5
82387	9	
82388	<5	
82389	9	
82390	<5	
82391	8	
82392	17	
82393	6	
82394	6	
82395	<5	
82396	6	
82397	<5	
82398	8	7
82399	8	
82400	11	
82401	<5	
82402	<5	
82403	<5	
82404	<5	
82405	18	

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Page : 5 of 7

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16751 Your order number : Project : ABITIBI EAST Total number of samples : 127

<u>Designation</u>	<u>Au FA-GEO ppb 5</u>	<u>Au-Dup FA-GEO ppb 5</u>
82406	<5	
82407	17	
82408	16	
82409	<5	
82410	10	8
82411	7	
82412	9	
82413	13	
82414	12	
82415	<5	
82416	10	
82417	<5	
82418	<5	
82419	<5	
82420	<5	
82421	<5	
82422	<5	<5
82423	<5	
82424	<5	
82425	8	

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Page : 6 of 7

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16751 Your order number : Project : ABITIBI EAST Total number of samples : 127

<u>Designation</u>	<u>Au FA-GEO ppb 5</u>	<u>Au-Dup FA-GEO ppb 5</u>
82426	<5	
82427	<5	
82428	<5	
82429	20	
82430	10	
82431	<5	
82432	6	
82433	6	
82434	<5	5
82435	<5	
82436	<5	
82437	<5	
82438	<5	
82439	<5	
82440	<5	
82441	7	
82442	<5	
82443	<5	
82444	<5	
82445	5	

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Page : 7 of 7

Client : Golden Chalice Resources	
Addressee : John Keating 711 - 675 West Hastings Street Vancouver B.C. Telephone : (613) 831-9976 V6B 1N2 Fax : (613) 831-0482	Folder : 16751 Your order number : Project : ABITIBI EAST Total number of samples : 127

<u>Designation</u>	<u>Au FA-GEO ppb 5</u>	<u>Au-Dup FA-GEO ppb 5</u>
82446	6	6
82447	5	
82448	<5	
82449	6	
82450	9	
82451	<5	
82452	5	

Final Report
Activation Laboratories

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm
Detection Limit	0.2	0.5	1	2	2	1	2	1	0.01	10	1	1	10	0.01	1	2	0.01	0.01	0.01	0.01	0.001	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82326	0.4	< 0.5	14	931	5	11	7	13	0.28	13	53	< 1	< 10	4.47	8	71	1.66	0.21	0.41	0.04	0.037	< 10
82431	0.2	< 0.5	32	289	6	23	3	33	0.62	< 10	112	< 1	< 10	1.76	10	95	1.73	0.26	0.43	0.07	0.062	< 10
82432	< 0.2	< 0.5	5	295	4	25	3	41	0.7	< 10	173	< 1	< 10	1.71	11	89	1.98	0.23	0.49	0.09	0.065	< 10
82433	0.2	< 0.5	11	239	5	23	< 2	33	0.66	< 10	711	< 1	< 10	1.75	11	79	1.85	0.23	0.47	0.08	0.064	< 10
82434	< 0.2	< 0.5	2	204	3	20	< 2	24	0.59	< 10	196	< 1	< 10	1.87	10	56	1.59	0.26	0.43	0.07	0.065	< 10
82435	< 0.2	< 0.5	3	240	6	24	< 2	32	0.62	< 10	120	< 1	< 10	1.47	11	105	2.04	0.22	0.48	0.1	0.065	< 10
82436	< 0.2	< 0.5	2	240	3	21	< 2	35	0.52	< 10	111	< 1	< 10	1.62	10	75	1.95	0.22	0.42	0.09	0.067	< 10
82437	< 0.2	< 0.5	4	262	5	23	< 2	42	0.48	< 10	123	< 1	< 10	1.65	11	86	2.24	0.2	0.46	0.09	0.069	< 10
82438	0.2	< 0.5	2	259	4	22	4	39	0.55	< 10	78	< 1	< 10	1.47	11	79	1.98	0.16	0.45	0.09	0.067	< 10
82439	< 0.2	< 0.5	6	292	7	23	3	37	0.62	< 10	89	< 1	< 10	1.65	11	109	1.96	0.12	0.47	0.09	0.066	< 10
82440	0.2	< 0.5	7	311	4	24	2	40	0.62	< 10	96	< 1	< 10	1.7	11	94	2.09	0.14	0.49	0.1	0.068	< 10
82441	0.3	< 0.5	4	321	7	24	< 2	40	0.58	< 10	1420	< 1	< 10	1.76	11	114	2.06	0.1	0.5	0.12	0.07	< 10
82442	0.3	< 0.5	19	335	5	25	4	37	0.67	< 10	137	< 1	< 10	1.84	11	104	2.06	0.1	0.5	0.11	0.065	< 10
82443	< 0.2	< 0.5	4	235	5	22	< 2	28	0.55	< 10	502	< 1	< 10	2.01	11	83	1.76	0.21	0.46	0.08	0.061	< 10
82444	< 0.2	< 0.5	4	246	3	23	< 2	22	0.56	< 10	93	< 1	< 10	1.29	11	77	1.7	0.19	0.46	0.08	0.061	< 10
82445	< 0.2	< 0.5	4	210	6	20	< 2	24	0.56	< 10	98	< 1	< 10	1.49	10	96	1.78	0.14	0.45	0.08	0.058	< 10
82446	< 0.2	< 0.5	5	236	4	24	2	30	0.65	< 10	82	< 1	< 10	1.33	12	93	2.02	0.17	0.48	0.11	0.062	< 10
82447	< 0.2	< 0.5	9	271	5	23	< 2	31	0.54	< 10	152	< 1	< 10	1.51	10	90	1.96	0.24	0.46	0.07	0.062	< 10
82448	< 0.2	< 0.5	5	292	3	21	< 2	32	0.57	< 10	137	< 1	< 10	1.99	9	64	1.97	0.34	0.44	0.08	0.063	< 10
82449	< 0.2	< 0.5	4	275	5	18	< 2	40	0.49	< 10	105	< 1	< 10	1.68	8	76	1.76	0.23	0.4	0.06	0.053	< 10
82450	< 0.2	< 0.5	67	268	< 2	56	7	22	1.89	< 10	37	< 1	< 10	3.35	12	111	1.8	0.11	0.57	0.62	0.012	< 10
82451	< 0.2	< 0.5	28	353	6	25	2	45	0.47	< 10	71	< 1	< 10	1.14	10	79	2.22	0.15	0.49	0.1	0.073	< 10
82452	< 0.2	< 0.5	32	390	3	28	5	62	0.56	< 10	88	< 1	< 10	2.11	12	56	2.27	0.27	0.49	0.08	0.051	< 10

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82326	2	< 10	143	< 0.01	13	< 10	9	10	1.231
82327	9	< 10	32	< 0.01	83	< 10	7	11	1.54
82328	18	< 10	46	0.25	212	< 10	14	20	0.589
82329	19	< 10	103	0.28	177	< 10	15	17	0.17
82330	12	< 10	65	0.21	125	< 10	13	25	0.85
82331	21	< 10	65	0.32	195	< 10	15	24	0.169
82332	25	< 10	53	0.3	202	< 10	16	22	0.045
82333	6	< 10	16	0.16	57	< 10	13	24	0.025
82334	13	< 10	29	0.09	105	< 10	10	15	0.207
82335	13	< 10	45	< 0.01	147	< 10	8	4	0.227
82336	24	< 10	32	0.24	257	< 10	15	13	0.434
82337	2	< 10	36	< 0.01	28	< 10	4	7	0.833
82338	2	< 10	25	< 0.01	22	< 10	4	9	1.763
82339	2	< 10	12	< 0.01	21	< 10	4	6	0.542
82340	2	< 10	10	< 0.01	26	< 10	5	8	1.107
82341	2	< 10	8	< 0.01	30	< 10	4	8	0.704
82342	1	< 10	8	< 0.01	21	< 10	3	9	0.543
82343	1	< 10	12	< 0.01	20	< 10	5	6	0.221
82344	1	< 10	10	< 0.01	20	< 10	4	7	0.142
82345	1	< 10	13	< 0.01	19	< 10	4	6	0.17
82346	2	< 10	14	< 0.01	17	< 10	3	7	0.708
82347	6	< 10	12	< 0.01	76	< 10	4	5	0.813
82348	1	< 10	9	< 0.01	18	< 10	3	7	1.007
82349	1	< 10	23	< 0.01	17	< 10	4	6	0.2
82350	2	< 10	79	0.05	43	< 10	1	4	0.076
82351	1	< 10	35	< 0.01	15	< 10	4	6	0.18
82352	1	< 10	16	< 0.01	15	< 10	4	9	0.776
82353	1	< 10	16	< 0.01	10	< 10	6	12	2.301
82354	2	< 10	18	< 0.01	13	< 10	6	13	4.267
82355	6	< 10	50	< 0.01	51	< 10	6	11	2.538
82356	6	< 10	45	< 0.01	79	< 10	5	12	2.383
82357	2	< 10	17	< 0.01	23	< 10	7	19	3.251
82358	2	< 10	18	< 0.01	21	< 10	3	18	6.76
82359	2	< 10	32	< 0.01	15	< 10	6	8	0.32
82360	2	< 10	20	< 0.01	15	< 10	5	12	0.411
82361	1	< 10	39	< 0.01	16	< 10	4	15	1.283
82362	1	< 10	39	< 0.01	12	< 10	5	10	1.326
82363	1	< 10	48	< 0.01	17	< 10	3	10	0.373
82364	1	< 10	30	< 0.01	16	< 10	4	14	0.987
82365	1	< 10	27	< 0.01	9	< 10	6	34	2.569
82366	31	< 10	32	0.48	375	< 10	32	17	0.149
82367	22	< 10	24	0.48	320	< 10	32	26	0.136
82368	18	< 10	34	0.5	283	< 10	35	28	0.171
82369	17	< 10	47	0.47	281	< 10	36	27	0.21
82370	19	< 10	55	0.45	345	< 10	33	25	0.238
82371	18	< 10	38	0.49	323	< 10	31	25	0.264
82372	21	< 10	50	0.5	325	< 10	33	22	0.203
82373	7	< 10	303	0.18	66	< 10	6	16	0.141
82374	4	< 10	192	0.13	48	< 10	4	18	0.384
82375	5	< 10	245	0.15	44	< 10	4	23	0.41
82376	5	< 10	250	0.16	47	< 10	4	12	0.176
82377	3	< 10	64	0.11	32	< 10	4	15	0.343
82378	3	< 10	156	0.12	34	< 10	4	12	0.117

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82326	2	< 10	143	< 0.01	13	< 10	9	10	1.231
82379	3	< 10	57	0.12	25	< 10	4	24	0.248
82380	5	< 10	71	0.16	46	< 10	7	22	0.078
82381	7	< 10	201	0.18	58	< 10	6	18	0.033
82382	7	< 10	151	0.2	65	< 10	6	17	0.028
82383	8	< 10	126	0.2	81	< 10	6	21	0.031
82384	8	< 10	120	0.21	91	< 10	6	24	0.031
82385	8	< 10	135	0.21	94	< 10	6	16	0.022
82386	7	< 10	110	0.19	78	< 10	6	12	0.02
82387	6	< 10	109	0.18	74	< 10	6	10	0.015
82388	6	< 10	156	0.17	70	< 10	6	13	0.013
82389	8	< 10	76	0.19	92	< 10	6	21	0.013
82390	8	< 10	60	0.19	99	< 10	7	29	0.029
82391	7	< 10	27	0.17	76	< 10	6	28	0.056
82392	6	< 10	24	0.16	72	< 10	5	26	0.012
82393	7	< 10	66	0.18	79	< 10	6	28	0.01
82394	6	< 10	39	0.16	72	< 10	6	26	0.01
82395	7	< 10	31	0.19	81	< 10	6	29	0.007
82396	7	< 10	23	0.19	80	< 10	6	29	0.011
82397	8	< 10	27	0.19	92	< 10	7	25	0.009
82398	8	< 10	38	0.2	96	< 10	7	28	0.016
82399	8	< 10	29	0.2	88	< 10	7	25	0.009
82400	3	< 10	97	0.06	58	< 10	2	4	0.084
82401	8	< 10	28	0.2	105	< 10	8	24	0.012
82402	8	< 10	52	0.2	98	< 10	8	24	0.011
82403	7	< 10	132	0.22	87	< 10	8	23	0.012
82404	5	< 10	118	0.22	88	< 10	7	23	0.015
82405	7	< 10	59	0.19	88	< 10	6	26	0.011
82406	3	< 10	31	0.1	30	< 10	6	27	0.072
82407	3	< 10	73	0.12	41	< 10	5	27	0.271
82408	4	< 10	93	0.15	48	< 10	7	26	0.075
82409	5	< 10	85	0.13	87	< 10	3	6	0.021
82410	4	< 10	91	0.12	88	< 10	3	6	0.03
82411	4	< 10	74	0.14	88	< 10	4	6	0.023
82412	10	< 10	189	0.27	157	< 10	7	9	0.04
82413	17	< 10	142	0.23	158	< 10	8	11	0.032
82414	9	< 10	150	0.18	66	< 10	8	23	0.021
82415	3	< 10	99	0.1	23	< 10	8	12	0.011
82416	4	< 10	162	0.15	31	< 10	8	17	0.022
82417	4	< 10	172	0.17	35	< 10	8	22	0.016
82418	4	< 10	195	0.18	36	< 10	8	18	0.013
82419	4	< 10	190	0.18	36	< 10	8	22	0.016
82420	4	< 10	177	0.15	32	< 10	8	15	0.024
82421	4	< 10	199	0.17	39	< 10	8	24	0.012
82422	4	< 10	232	0.18	40	< 10	8	24	0.013
82423	5	< 10	241	0.18	43	< 10	8	18	0.011
82424	4	< 10	169	0.17	46	< 10	8	12	0.01
82425	5	< 10	266	0.18	43	< 10	8	11	0.011
82426	4	< 10	235	0.19	41	< 10	8	13	0.012
82427	3	< 10	156	0.16	34	< 10	8	9	0.011
82428	4	< 10	165	0.17	39	< 10	8	11	0.012
82429	3	< 10	216	0.13	34	< 10	7	11	0.017
82430	4	< 10	324	0.17	33	< 10	8	12	0.024

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82326	2	< 10	143	< 0.01	13	< 10	9	10	1.231
82431	4	< 10	277	0.18	36	< 10	7	11	0.014
82432	4	< 10	244	0.21	43	< 10	8	13	0.014
82433	4	< 10	237	0.21	41	< 10	7	23	0.028
82434	4	< 10	223	0.19	37	< 10	7	21	0.015
82435	4	< 10	256	0.19	42	< 10	7	12	0.011
82436	4	< 10	231	0.17	41	< 10	7	8	0.013
82437	4	< 10	193	0.17	41	< 10	7	8	0.013
82438	4	< 10	267	0.17	41	< 10	7	11	0.01
82439	4	< 10	259	0.18	43	< 10	7	24	0.013
82440	4	< 10	259	0.19	45	< 10	7	21	0.014
82441	4	< 10	296	0.2	47	< 10	7	14	0.048
82442	4	< 10	289	0.2	47	< 10	7	14	0.018
82443	3	< 10	182	0.18	34	< 10	7	11	0.026
82444	3	< 10	185	0.19	36	< 10	7	13	0.009
82445	3	< 10	153	0.18	37	< 10	6	23	0.011
82446	4	< 10	165	0.18	42	< 10	7	14	0.011
82447	3	< 10	97	0.06	28	< 10	6	8	0.051
82448	3	< 10	111	0.05	25	< 10	6	5	0.017
82449	2	< 10	104	0.06	23	< 10	5	6	0.018
82450	4	< 10	78	0.06	53	< 10	2	5	0.064
82451	3	< 10	45	0.06	36	< 10	5	7	0.159
82452	3	< 10	73	0.1	33	< 10	6	19	0.261

**Final Report
Activation Laboratories**

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm
Detection Limit	0.2	0.5	1	2	2	1	2	1	0.01	10	1	1	10	0.01	1	2	0.01	0.01	0.01	0.01	0.001	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82453	0.3	0.9	59	834	<2	37	6	373	1.1	<10	51	<1	<10	3.35	24	76	6.62	0.21	0.65	0.11	0.037	<10
82454	<0.2	<0.5	17	733	6	16	<2	41	0.43	<10	41	<1	<10	6.1	13	78	2.44	0.23	0.25	0.05	0.031	<10
82455	<0.2	<0.9	25	581	4	16	<2	366	0.46	<10	48	<1	<10	3.84	12	48	2.14	0.29	0.25	0.04	0.033	<10
82456	<0.2	0.6	16	381	7	15	<2	236	0.38	<10	49	<1	<10	3.33	9	77	1.5	0.32	0.19	0.04	0.036	<10
82457	<0.2	<0.5	22	400	5	17	3	49	0.41	<10	58	<1	<10	3.33	12	87	1.97	0.35	0.22	0.05	0.031	<10
82458	<0.2	<0.5	20	555	7	15	<2	87	0.45	<10	42	<1	<10	4.6	11	90	2.2	0.28	0.27	0.04	0.03	<10
82459	<0.2	<0.5	31	509	7	25	3	79	0.34	<10	44	<1	<10	4.51	21	70	3.73	0.32	0.16	0.04	0.034	<10
82460	0.3	0.8	54	315	2	25	8	339	0.72	<10	58	<1	<10	2	18	38	3.8	0.41	0.43	0.04	0.04	<10
82461	<0.2	<0.5	22	434	<2	19	<2	65	0.94	<10	74	<1	<10	2.98	13	29	4.06	0.56	0.52	0.04	0.03	<10
82462	<0.2	<0.5	17	356	5	15	<2	49	0.67	<10	60	<1	<10	3.18	10	73	2.79	0.45	0.43	0.05	0.032	<10
82463	<0.2	<0.5	122	863	<2	68	<2	83	1.18	<10	13	<1	<10	4.46	47	148	7.63	0.05	0.77	0.06	0.027	<10
82464	<0.2	<0.5	16	779	4	15	<2	30	0.49	<10	38	<1	<10	4.38	8	67	1.94	0.34	0.34	0.03	0.031	<10
82465	<0.2	<0.5	27	271	4	16	3	27	0.36	<10	36	<1	<10	1.17	10	50	1.75	0.27	0.25	0.03	0.036	<10
82466	<0.2	<0.5	30	568	<2	22	<2	57	0.75	<10	42	<1	<10	2.07	13	34	4.13	0.31	0.45	0.03	0.032	<10
82467	<0.2	<0.5	14	430	4	28	<2	41	0.54	<10	42	<1	<10	1.44	13	94	2.79	0.27	0.36	0.04	0.029	<10
82468	<0.2	<0.5	5	684	19	18	<2	46	0.44	<10	18	<1	<10	3.21	5	263	2.84	0.09	0.31	0.03	0.012	<10
82469	<0.2	<0.5	<1	<2	<2	<1	<2	<1	<0.01	<10	8	<1	<10	<0.01	<1	<2	<0.01	<0.01	<0.01	0.02	<0.001	<10
82470	<0.2	<0.5	15	235	9	22	4	52	0.38	<10	47	<1	<10	0.66	20	125	2.76	0.31	0.25	0.03	0.03	<10
82471	<0.2	<0.5	15	382	8	12	<2	16	0.21	<10	34	<1	<10	1.55	10	140	1.18	0.18	0.15	0.05	0.024	<10
82472	0.2	<0.5	30	1050	5	17	2	53	0.34	<10	29	<1	<10	5.41	10	73	2.48	0.13	0.25	0.05	0.03	<10
82473	<0.2	<0.5	18	518	10	12	<2	37	0.21	<10	31	<1	<10	1.98	7	145	1.42	0.12	0.19	0.04	0.029	<10
82474	<0.2	<0.5	12	258	17	10	<2	41	0.18	<10	49	<1	<10	0.82	3	218	0.81	0.21	0.11	0.03	0.027	<10
82475	<0.2	<0.5	10	242	6	9	<2	31	0.35	<10	50	<1	<10	0.86	4	101	1.32	0.34	0.19	0.03	0.028	<10
82476	<0.2	<0.5	16	782	6	13	<2	35	0.35	<10	53	<1	<10	3.41	8	82	1.76	0.32	0.2	0.04	0.037	<10
82477	0.2	<0.5	19	1350	5	14	<2	51	0.54	<10	41	<1	<10	5	10	68	3.38	0.27	0.33	0.04	0.034	<10
82478	0.2	<0.5	185	476	7	29	5	30	0.39	<10	43	<1	<10	1.16	25	104	3.35	0.28	0.24	0.02	0.027	<10
82479	<0.2	<0.5	13	764	9	10	<2	28	0.44	<10	29	<1	<10	2.09	4	116	2.43	0.21	0.29	0.02	0.026	<10
82480	<0.2	<0.5	38	979	6	34	<2	38	0.68	<10	34	<1	<10	3.5	18	114	3.94	0.25	0.44	0.02	0.03	<10
82481	<0.2	<0.5	116	1430	<2	80	<2	81	1.37	<10	25	<1	<10	5.14	43	107	8.71	0.17	0.71	0.02	0.03	<10
82482	0.2	<0.5	113	1090	<2	81	<2	70	1.2	<10	9	<1	<10	5.32	49	134	7.8	0.02	0.71	0.04	0.029	<10
82483	<0.2	<0.5	7	442	5	13	<2	20	0.38	<10	24	<1	<10	2.58	6	108	1.99	0.13	0.35	0.05	0.024	<10
82484	<0.2	<0.5	21	744	<2	17	<2	49	0.7	<10	31	<1	<10	3.69	10	38	3.44	0.18	0.47	0.04	0.036	<10
82485	<0.2	<0.5	11	816	4	12	<2	51	0.73	<10	22	<1	<10	1.93	7	89	4.1	0.12	0.52	0.03	0.02	<10
82486	<0.2	<0.5	10	928	5	36	<2	73	1.08	<10	16	<1	<10	0.76	18	120	6.63	0.05	0.68	0.04	0.023	<10
82487	<0.2	<0.5	128	1280	<2	72	<2	82	1.33	<10	10	<1	<10	3.52	48	167	8.44	0.02	0.86	0.08	0.027	<10

Final Report
Activation Laboratories

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82453	13	< 10	34	0.23	116	< 10	10	17	0.561
82454	4	< 10	42	0.14	30	< 10	6	13	0.191
82455	2	< 10	29	0.11	20	< 10	6	12	0.135
82456	2	< 10	30	0.12	18	< 10	5	12	0.044
82457	3	< 10	21	0.11	23	< 10	5	15	0.386
82458	3	< 10	40	0.12	22	< 10	5	13	0.181
82459	2	< 10	44	0.11	19	< 10	4	14	0.866
82460	3	< 10	18	0.13	29	< 10	6	17	0.766
82461	3	< 10	53	0.13	28	< 10	6	23	0.073
82462	3	< 10	43	0.08	27	< 10	7	17	0.044
82463	29	< 10	28	0.32	237	< 10	18	14	0.135
82464	3	< 10	121	< 0.01	17	< 10	7	8	0.088
82465	1	< 10	31	< 0.01	15	< 10	4	6	0.304
82466	2	< 10	56	< 0.01	26	< 10	5	10	0.17
82467	2	< 10	37	< 0.01	24	< 10	4	9	0.22
82468	1	< 10	56	< 0.01	18	< 10	3	7	0.136
82469	< 1	< 10	< 1	< 0.01	< 1	< 10	< 1	< 1	< 0.001
82470	1	< 10	24	< 0.01	16	< 10	3	10	1.396
82471	1	< 10	46	< 0.01	10	< 10	3	8	0.504
82472	3	< 10	154	< 0.01	20	< 10	5	6	0.629
82473	2	< 10	42	< 0.01	17	< 10	4	5	0.169
82474	1	< 10	21	< 0.01	10	< 10	4	8	0.017
82475	1	< 10	27	< 0.01	10	< 10	3	11	0.105
82476	2	< 10	80	< 0.01	13	< 10	5	6	0.379
82477	3	< 10	95	< 0.01	16	< 10	5	9	0.51
82478	2	< 10	25	< 0.01	16	< 10	6	15	1.617
82479	2	< 10	28	< 0.01	16	< 10	4	8	0.024
82480	6	< 10	118	< 0.01	57	< 10	5	10	0.033
82481	17	< 10	95	< 0.01	183	< 10	10	4	0.169
82482	30	< 10	30	0.21	251	< 10	18	5	0.168
82483	4	< 10	16	< 0.01	35	< 10	4	8	0.038
82484	4	< 10	23	< 0.01	37	< 10	5	6	0.077
82485	4	< 10	38	< 0.01	29	< 10	4	5	0.078
82486	11	< 10	8	< 0.01	111	< 10	5	6	0.274
82487	32	< 10	26	0.32	257	< 10	20	17	0.104

**Final Report
Activation Laboratories**

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm
Detection Limit	0.2	0.5	1	2	2	1	2	1	0.01	10	1	1	10	0.01	1	2	0.01	0.01	0.01	0.01	0.001	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82255	< 0.2	< 0.5	3	319	4	20	5	21	0.5	< 10	33	< 1	< 10	0.17	12	69	2.43	0.13	0.54	0.08	0.039	< 10
82309	0.2	< 0.5	216	867	< 2	800	< 2	115	1.65	< 10	10	< 1	< 10	3.51	79	1040	6.77	< 0.01	1.05	0.03	0.015	< 10
82310	< 0.2	< 0.5	76	471	6	119	< 2	60	0.75	< 10	28	< 1	< 10	0.63	33	245	3.36	0.06	0.86	0.14	0.04	< 10
82311	< 0.2	< 0.5	100	213	10	46	14	143	0.36	< 10	25	< 1	< 10	0.28	25	132	2.16	0.06	0.52	0.14	0.045	< 10
82312	< 0.2	< 0.5	175	439	< 2	69	2	48	0.96	< 10	25	< 1	< 10	1.81	38	55	4.66	0.08	0.69	0.33	0.048	< 10
82313	0.4	< 0.5	68	928	3	43	13	91	0.98	< 10	9	< 1	< 10	1.28	22	53	5.15	0.02	0.87	0.08	0.053	< 10
82314	< 0.2	< 0.5	18	541	2	21	27	127	0.61	< 10	10	< 1	< 10	0.66	14	38	2.9	0.02	0.74	0.11	0.054	< 10
82315	0.2	< 0.5	7	610	2	21	6	31	0.59	< 10	14	< 1	< 10	1	17	35	3.58	0.03	0.64	0.11	0.066	< 10
82316	< 0.2	< 0.5	14	1060	< 2	115	2	171	1.43	< 10	8	< 1	< 10	1.91	40	195	6.93	0.01	0.96	0.06	0.05	< 10
82317	0.2	< 0.5	45	947	< 2	47	2	84	1.11	< 10	15	< 1	< 10	2.31	33	44	6.02	0.05	0.83	0.09	0.075	< 10
82318	< 0.2	< 0.5	17	873	< 2	36	3	66	0.83	< 10	23	< 1	< 10	3.99	25	38	5.12	0.08	0.7	0.08	0.066	< 10
82319	0.2	< 0.5	16	690	< 2	35	4	89	0.79	11	28	< 1	< 10	2.81	25	31	4.95	0.1	0.67	0.08	0.066	< 10
82320	< 0.2	< 0.5	17	744	< 2	72	< 2	69	0.88	< 10	20	< 1	< 10	3.56	30	59	5.01	0.06	0.68	0.08	0.094	< 10
82321	< 0.2	< 0.5	12	589	2	56	< 2	78	0.73	< 10	20	< 1	< 10	1.76	24	58	4.08	0.06	0.7	0.09	0.084	< 10
82322	< 0.2	< 0.5	7	510	4	34	< 2	38	0.57	11	23	< 1	< 10	2.34	20	71	3.35	0.07	0.63	0.08	0.052	< 10
82323	< 0.2	< 0.5	7	309	16	21	2	21	0.26	< 10	14	< 1	< 10	2.4	11	101	1.53	0.03	0.34	0.07	0.035	< 10
82324	< 0.2	< 0.5	4	657	< 2	85	3	104	1.05	< 10	25	< 1	< 10	3.05	34	57	5.66	0.08	0.7	0.06	0.109	< 10
82325	5	0.9	95	997	8	20	17	82	1.02	< 10	122	< 1	< 10	2.35	19	27	3.64	0.34	0.58	0.19	0.082	< 10

Final Report
Activation Laboratories

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82255	3	< 10	10	0.03	45	< 10	4	14	0.024
82256	3	< 10	7	0.02	39	85	4	15	1.016
82257	4	< 10	8	0.02	47	12	4	17	1.627
82258	3	< 10	7	0.02	37	< 10	5	16	0.313
82259	3	< 10	7	0.02	38	< 10	6	18	0.925
82260	2	< 10	7	0.04	28	12	5	14	0.148
82261	18	< 10	10	0.02	181	< 10	7	12	0.371
82262	14	< 10	5	0.1	117	49	5	19	1.242
82263	23	< 10	8	0.02	188	< 10	8	15	0.921
82264	17	< 10	36	0.21	193	< 10	12	19	0.344
82265	23	< 10	16	0.14	145	< 10	8	21	0.433
82266	9	< 10	32	0.22	139	< 10	10	13	0.27
82267	9	< 10	29	0.18	111	< 10	8	23	0.167
82268	12	< 10	56	0.23	212	< 10	11	15	0.088
82269	10	< 10	47	0.27	235	< 10	14	17	0.108
82271	25	< 10	32	0.3	218	< 10	15	20	0.031
82272	4	< 10	30	0.02	52	< 10	6	15	0.024
82273	3	< 10	24	< 0.01	33	< 10	5	13	0.017
82274	10	< 10	51	< 0.01	101	< 10	8	14	0.029
82275	11	< 10	172	0.11	133	< 10	11	14	0.658
82276	2	< 10	15	< 0.01	37	< 10	4	16	0.099
82277	< 1	< 10	27	< 0.01	11	< 10	3	18	0.226
82278	1	< 10	25	< 0.01	12	< 10	3	17	0.128
82279	1	< 10	21	< 0.01	13	< 10	3	16	0.039
82280	1	< 10	37	< 0.01	13	< 10	3	14	0.037
82281	1	< 10	26	0.01	12	< 10	3	10	0.021
82282	1	< 10	17	< 0.01	14	< 10	3	9	0.019
82283	1	< 10	19	< 0.01	13	< 10	4	3	0.019
82284	1	< 10	43	< 0.01	14	< 10	3	6	0.037
82285	< 1	< 10	30	< 0.01	12	< 10	4	6	0.067
82286	< 1	< 10	33	< 0.01	11	< 10	3	4	0.042
82287	< 1	< 10	50	< 0.01	10	< 10	3	21	0.04
82288	1	< 10	58	< 0.01	19	< 10	5	17	0.209
82289	2	< 10	23	< 0.01	24	< 10	4	8	0.09
82290	1	< 10	30	< 0.01	10	< 10	4	12	0.342
82291	3	< 10	23	0.03	46	< 10	4	13	0.386
82292	3	< 10	23	0.09	41	< 10	5	16	0.11
82293	3	< 10	36	0.08	35	< 10	6	13	0.181
82294	4	< 10	9	0.11	24	< 10	10	26	3.675
82295	3	< 10	22	0.09	21	< 10	8	23	3.377
82296	1	< 10	16	0.07	17	< 10	3	26	0.476
82297	2	< 10	16	0.08	21	< 10	3	33	0.286
82298	2	< 10	14	0.1	25	< 10	3	35	0.374
82299	2	< 10	16	0.09	26	< 10	3	32	0.429
82300	3	< 10	84	0.06	53	< 10	2	4	0.074
82301	2	< 10	14	0.09	23	< 10	3	28	0.207
82302	2	< 10	13	0.09	24	< 10	3	28	0.293
82303	2	< 10	16	0.09	26	< 10	4	28	0.328
82304	2	< 10	12	0.09	22	< 10	3	31	0.673
82305	2	< 10	15	0.11	23	< 10	3	30	0.764
82306	2	< 10	14	0.11	29	< 10	4	34	0.659
82307	2	< 10	13	0.1	32	< 10	4	29	0.356
82308	10	< 10	8	0.11	92	< 10	7	37	3.804

Final Report
Activation Laboratories

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
82255	3	< 10	10	0.03	45	< 10	4	14	0.024
82309	9	< 10	42	0.08	76	< 10	4	6	0.188
82310	6	< 10	43	0.14	52	< 10	7	25	0.465
82311	4	< 10	23	0.09	33	< 10	6	27	0.566
82312	8	< 10	43	0.24	170	< 10	11	14	0.361
82313	8	< 10	17	0.12	75	< 10	8	34	0.898
82314	5	< 10	10	0.08	56	< 10	6	26	0.553
82315	5	< 10	17	0.09	50	< 10	9	39	1.482
82316	16	< 10	22	0.18	140	< 10	9	19	0.281
82317	13	< 10	36	0.28	136	< 10	12	25	0.558
82318	10	< 10	65	0.24	87	< 10	12	23	0.765
82319	8	< 10	45	0.22	71	< 10	11	30	1.04
82320	11	< 10	84	0.21	128	< 10	9	25	0.202
82321	8	< 10	35	0.24	105	< 10	9	31	0.241
82322	7	< 10	21	0.14	56	< 10	9	29	0.677
82323	3	< 10	18	0.08	28	< 10	4	15	0.288
82324	11	< 10	40	0.18	131	< 10	9	23	0.19
82325	11	< 10	155	0.11	124	< 10	10	13	0.61

**Final Report
Activation Laboratories**

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm
Detection Limit	0.2	0.5	1	2	2	1	2	1	0.01	10	1	1	10	0.01	1	2	0.01	0.01	0.01	0.01	0.001	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
EL-91931	< 0.2	< 0.5	2	303	3	18	5	33	0.53	< 10	30	< 1	< 10	1.08	10	47	2.09	0.12	0.55	0.06	0.036	< 10
EL-91932	< 0.2	< 0.5	7	314	3	16	4	41	0.45	< 10	36	< 1	< 10	1.68	9	58	2.04	0.11	0.47	0.08	0.039	< 10
EL-91933	< 0.2	< 0.5	1	206	5	14	3	30	0.39	< 10	50	< 1	< 10	1.29	8	62	1.48	0.15	0.39	0.08	0.04	< 10
EL-91934	< 0.2	< 0.5	8	221	3	22	2	23	0.3	< 10	39	< 1	< 10	0.74	9	55	1.19	0.06	0.32	0.05	0.025	< 10
EL-91935	< 0.2	< 0.5	< 1	73	< 2	5	< 2	8	0.12	< 10	17	< 1	< 10	0.62	3	22	0.44	0.03	0.16	0.03	0.011	< 10
EL-91936	< 0.2	< 0.5	2	189	4	15	3	23	0.35	< 10	42	< 1	< 10	1.17	9	77	1.35	0.1	0.42	0.1	0.042	< 10
EL-91937	< 0.2	< 0.5	5	179	4	10	< 2	22	0.34	< 10	49	< 1	< 10	1.2	7	57	1.27	0.13	0.35	0.08	0.039	< 10
EL-91938	< 0.2	< 0.5	1	159	3	8	< 2	21	0.29	< 10	39	< 1	< 10	0.82	5	47	1.14	0.1	0.37	0.08	0.039	< 10
EL-91939	< 0.2	< 0.5	36	191	4	7	2	20	0.24	< 10	23	< 1	< 10	1.3	5	46	1.05	0.06	0.34	0.07	0.036	< 10
EL-91940	< 0.2	< 0.5	15	217	4	9	2	22	0.24	< 10	19	< 1	< 10	0.89	6	47	1.2	0.04	0.37	0.07	0.038	< 10
EL-91941	< 0.2	< 0.5	7	1930	< 2	45	15	87	1.21	< 10	9	< 1	< 10	2.44	59	38	9.17	< 0.01	0.79	0.04	0.042	< 10
EL-91942	< 0.2	< 0.5	9	663	< 2	55	15	106	1.38	13	13	< 1	< 10	0.21	42	78	8.18	0.04	0.87	0.03	0.04	< 10
EL-91943	< 0.2	< 0.5	5	581	2	45	15	87	1.18	11	13	< 1	< 10	0.2	33	71	6.92	0.05	0.83	0.03	0.03	< 10
EL-91944	< 0.2	< 0.5	28	700	< 2	93	14	107	1.45	< 10	30	< 1	< 10	0.18	39	85	6.96	0.15	0.9	0.03	0.06	< 10
EL-91945	< 0.2	5.3	10	773	< 2	88	115	945	1.22	< 10	19	< 1	< 10	0.28	36	90	6.23	0.05	0.88	0.05	0.053	< 10
EL-91946	< 0.2	26.6	99	881	< 2	102	241	4130	1.33	< 10	18	< 1	< 10	0.33	43	96	6.97	0.04	0.91	0.05	0.059	< 10
EL-91947	< 0.2	< 0.5	72	1060	< 2	97	59	150	1.3	< 10	23	< 1	< 10	2.55	44	84	6.74	0.05	0.85	0.12	0.06	< 10
EL-91948	0.2	0.9	327	902	< 2	71	85	276	1.31	11	20	< 1	< 10	2.12	42	89	7.39	0.04	0.9	0.09	0.097	< 10
EL-91949	< 0.2	0.6	7	480	< 2	21	36	160	0.69	< 10	17	< 1	< 10	1.12	15	35	3.98	0.04	0.71	0.09	0.043	< 10
EL-91950	< 0.2	< 0.5	77	155	< 2	44	6	30	1.65	< 10	28	< 1	< 10	3.01	12	72	1.33	0.07	0.45	0.57	0.015	< 10
EL-91951	0.4	23.8	48	864	< 2	110	1640	3850	1.18	29	6	< 1	< 10	0.98	32	133	6.29	< 0.01	0.9	0.04	0.026	< 10
EL-91952	0.2	4.8	38	404	3	31	678	831	0.69	13	17	< 1	< 10	0.21	23	48	4.02	0.07	0.69	0.07	0.034	< 10
EL-91953	0.2	20.3	44	435	2	50	439	2860	0.83	45	25	< 1	< 10	0.17	28	74	4.29	0.09	0.76	0.08	0.037	< 10
EL-91954	< 0.2	4.7	78	321	4	25	195	798	0.65	< 10	32	< 1	< 10	0.13	19	65	3.59	0.14	0.61	0.08	0.043	< 10

Final Report
Activation Laboratories

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
EL-91931	2	< 10	16	< 0.01	22	< 10	4	5	0.024
EL-91932	2	< 10	26	0.01	21	< 10	4	4	0.065
EL-91933	2	< 10	34	0.03	15	< 10	3	4	0.023
EL-91934	3	< 10	47	0.07	20	< 10	3	3	0.005
EL-91935	< 1	< 10	27	0.04	8	< 10	1	< 1	0.003
EL-91936	3	< 10	56	0.11	27	< 10	4	8	0.008
EL-91937	1	< 10	37	0.06	14	< 10	3	4	0.03
EL-91938	1	< 10	20	0.02	14	< 10	3	4	0.02
EL-91939	1	< 10	18	0.01	14	< 10	3	10	0.025
EL-91940	1	< 10	10	0.02	20	< 10	2	14	0.024
EL-91941	32	< 10	23	0.38	362	< 10	21	13	0.024
EL-91942	21	< 10	6	0.05	277	< 10	11	7	0.219
EL-91943	15	< 10	7	0.04	204	< 10	7	5	0.383
EL-91944	17	< 10	7	< 0.01	168	< 10	8	3	0.083
EL-91945	17	< 10	6	0.02	162	12	7	3	0.223
EL-91946	19	< 10	7	0.09	188	58	8	4	0.335
EL-91947	21	< 10	60	0.22	187	< 10	12	8	0.138
EL-91948	28	< 10	39	0.29	225	< 10	17	12	0.146
EL-91949	8	< 10	13	0.09	82	< 10	7	8	0.258
EL-91950	3	< 10	65	0.04	47	< 10	2	3	0.066
EL-91951	20	< 10	9	0.13	203	54	6	5	0.431
EL-91952	5	< 10	6	0.07	62	12	5	16	0.817
EL-91953	9	< 10	7	0.03	92	41	5	6	0.329
EL-91954	4	< 10	7	0.02	50	< 10	4	4	0.541

Final Report
Activation Laboratories

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm
Detection Limit	0.2	0.5	1	2	2	1	2	1	0.01	10	1	1	10	0.01	1	2	0.01	0.01	0.01	0.01	0.001	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
81868	0.5	13.3	50	1010	<2	66	761	5080	1.46	<10	9	1	<10	3.36	23	72	6.09	0.03	2.61	0.12	0.055	<10
81869	<0.2	1.1	5	577	4	35	89	261	0.68	<10	3	<1	<10	2.08	10	111	2.81	0.01	1.3	0.07	0.019	<10
81870	0.5	1	66	741	<2	60	27	214	1.27	<10	25	<1	<10	1.55	30	59	5.43	0.06	1.55	0.22	0.056	<10
81871	0.4	0.7	12	734	<2	42	38	134	1.26	<10	7	<1	<10	2.22	20	48	3.7	0.02	1.19	0.09	0.055	<10
81872	0.2	<0.5	17	531	<2	17	33	50	0.66	14	3	<1	<10	0.9	22	26	2.55	0.01	1	0.11	0.034	<10
81873	0.2	<0.5	3	246	3	11	9	35	0.5	<10	1	<1	<10	0.45	11	51	2.25	<0.01	0.69	0.1	0.035	<10
81874	0.2	<0.5	9	402	2	11	6	56	0.88	<10	4	<1	<10	0.91	12	32	4.11	0.02	1.2	0.11	0.038	<10
81875	7.4	1.4	118	1010	12	12	22	82	1.15	<10	120	<1	<10	2.17	19	20	3.91	0.29	0.7	0.18	0.068	<10
81876	0.6	0.8	84	694	<2	113	30	66	1.56	41	5	<1	<10	1.13	45	150	5.96	0.01	2.34	0.1	0.034	<10
81877	0.4	0.7	15	425	<2	20	9	77	0.98	<10	7	<1	<10	0.64	21	46	4.01	0.03	1.19	0.13	0.038	<10
81878	0.4	0.6	5	328	3	13	47	78	0.69	20	11	<1	<10	0.44	12	52	2.8	0.05	0.81	0.15	0.044	<10
81879	0.3	0.6	3	250	3	15	12	92	0.6	<10	6	<1	<10	0.38	9	59	2.09	0.02	0.73	0.18	0.037	<10
81880	0.3	0.9	3	327	3	11	26	172	0.73	<10	5	<1	<10	0.62	9	57	2.82	0.03	0.89	0.15	0.035	<10
81881	0.3	12.4	21	310	4	10	342	2690	0.68	<10	4	<1	<10	0.54	11	52	2.69	0.02	0.84	0.14	0.034	<10
81882	0.6	20.2	75	558	<2	34	789	3910	1.01	41	2	1	<10	0.69	27	60	4.92	0.02	1.48	0.1	0.04	<10
81883	0.5	0.8	144	654	<2	56	57	229	0.96	13	8	<1	<10	1.49	33	51	5.38	0.05	1.34	0.09	0.038	<10
81884	0.7	0.6	207	724	<2	62	6	99	1.15	<10	10	<1	<10	1.14	37	48	6.37	0.05	1.38	0.17	0.039	<10
81885	0.5	0.5	99	574	3	37	11	146	0.91	<10	5	1	<10	1.2	26	59	5.24	0.03	1.22	0.13	0.034	<10
81886	0.3	<0.5	8	242	5	15	5	27	0.45	<10	4	<1	<10	0.34	9	58	1.85	0.02	0.52	0.14	0.037	<10
81887	0.6	<0.5	139	595	4	48	9	60	1.05	<10	13	1	<10	0.83	34	54	5.52	0.06	1.17	0.18	0.033	<10
81888	0.5	0.6	78	886	2	41	12	120	1.37	<10	13	1	<10	1.56	40	23	6.95	0.04	1.65	0.15	0.04	<10
81889	0.5	0.5	183	751	<2	58	5	105	1.31	<10	17	1	<10	1.81	35	71	6.19	0.08	1.61	0.25	0.038	<10
81890	0.6	0.5	192	746	<2	63	<2	78	1.33	<10	16	1	<10	1.4	37	87	6.8	0.08	1.75	0.17	0.039	<10
81891	0.5	<0.5	201	477	<2	26	<2	76	1.28	<10	20	1	<10	1.93	24	29	4.76	0.13	0.67	0.33	0.039	<10
81892	0.5	<0.5	145	522	<2	31	2	66	1.2	<10	11	1	<10	1.74	29	35	5.05	0.07	0.9	0.14	0.038	<10
81893	0.5	<0.5	172	474	<2	31	<2	61	1.13	<10	13	<1	<10	1.56	26	24	4.9	0.09	0.85	0.17	0.036	<10
81894	0.5	0.5	180	425	<2	30	<2	63	1.02	<10	11	<1	<10	1.23	26	22	4.65	0.08	0.81	0.15	0.037	<10
81895	0.4	<0.5	131	368	<2	37	3	57	0.96	<10	12	<1	<10	1.32	24	29	3.82	0.09	0.9	0.18	0.026	<10
81896	0.4	<0.5	175	344	<2	42	<2	53	0.89	<10	12	<1	<10	1.47	26	26	4.46	0.1	0.8	0.19	0.04	<10
81897	0.4	<0.5	190	398	<2	43	<2	59	0.96	<10	13	<1	<10	1.64	28	27	5.02	0.09	0.86	0.2	0.045	<10
81898	0.4	<0.5	184	418	<2	47	<2	56	1.07	<10	14	<1	<10	1.64	29	28	4.99	0.1	0.88	0.24	0.043	<10
81899	0.5	<0.5	206	677	<2	66	7	76	1.22	<10	12	1	<10	1.28	36	56	5.56	0.06	1.28	0.25	0.037	<10
81900	<0.2	<0.5	62	295	<2	49	8	25	2.19	<10	21	<1	<10	3.42	15	106	1.99	0.08	0.81	0.44	0.011	<10
81901	0.5	<0.5	197	638	<2	57	3	63	1.43	<10	17	<1	<10	1.8	31	51	5.36	0.08	1.15	0.43	0.039	<10
81902	0.5	<0.5	212	864	<2	66	5	72	1.43	<10	13	1	<10	1.84	40	73	6.91	0.06	1.79	0.31	0.039	<10
81903	0.4	<0.5	162	528	<2	54	<2	46	1.04	<10	18	<1	<10	1.81	30	35	5.23	0.1	1.11	0.28	0.041	<10
81904	0.8	0.5	189	987	2	111	15	110	1.4	37	13	1	<10	0.67	44	128	8.16	0.06	2.02	0.16	0.024	<10
81905	0.8	0.6	169	912	2	163	21	107	1.62	77	19	1	<10	0.48	54	207	8.02	0.11	2.38	0.12	0.043	<10
81906	0.9	<0.5	76	354	<2	116	40	36	1.25	30	9	<1	<10	0.3	59	92	6.33	0.05	1.61	0.11	0.09	<10
81907	0.5	2.5	85	181	4	37	377	559	0.47	30	16	<1	<10	0.12	35	69	2.96	0.08	0.58	0.11	0.033	<10
81908	0.3	20.2	35	119	5	21	553	4600	0.45	31	16	<1	<10	0.11	20	69	1.49	0.06	0.54	0.12	0.034	<10
81909	0.4	15.7	64	144	6	33	1690	3690	0.46	35	9	<1	<10	0.24	22	69	1.55	0.03	0.65	0.13	0.035	<10
81910	0.5	5.1	197	129	4	21	298	1200	0.5	80	9	<1	<10	0.12	24	53	2.07	0.04	0.72	0.12	0.032	<10
81911	0.3	3.5	99	91	5	14	199	787	0.33	30	8	<1	<10	0.1	11	63	1.15	0.04	0.43	0.11	0.031	<10
81912	0.4	9.5	78	78	5	19	437	2140	0.27	30	7	<1	<10	0.1	11	61	1.04	0.04	0.34	0.09	0.031	<10
81913	0.4	5	78	207	5	16	415	1070	0.35	24	11	<1	<10	0.1	6	83	1.09	0.06	0.45	0.1	0.031	<10
81914	0.5	<0.5	67	89	5	20	61	82	0.39	123	14	<1	<10	0.1	25	56	1.89	0.07	0.47	0.1	0.031	<10
81915	0.3	<0.5	314	137	6	17	99	90	0.3	42	16	<1	<10	0.12	19	76	1.14	0.08	0.29	0.11	0.032	<10
82270	0.2	2.8	206	83	4	14	76	605	0.41	14	14	<1	<10	0.12	7	61	1.2	0.07	0.51	0.11	0.031	<10
81916	0.3	1.2	78	96	4	15	29	268	0.45	18	21	<1	<10	0.1	13	54	1.83	0.11	0.46	0.09	0.033	<10
81917	0.8	16.6	134	85	6	17	1220	3910	0.36	89	16	<1	<10	0.1	19	68	1.75	0.08	0.39	0.11	0.032	<10
81918	0.4	3.1	84	82	4	14	274	729	0.38	51	15	<1	<10	0.1	12	60	1.47	0.07	0.45	0.1	0.031	<10
81919	0.3	3.4	55	74	5	10	259	781	0.39	51	15	<1	<10	0.1	7	58	1.07	0.08	0.44	0.1	0.031	<10

Final Report
Activation Laboratories

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm
Detection Limit	0.2	0.5	1	2	2	1	2	1	0.01	10	1	1	10	0.01	1	2	0.01	0.01	0.01	0.01	0.001	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
81868	0.5	13.3	50	1010	<2	66	761	5080	1.46	<10	9	1	<10	3.36	23	72	6.09	0.03	2.61	0.12	0.055	<10
81920	0.6	12.3	227	86	5	16	1490	2890	0.37	47	10	<1	<10	0.13	19	51	1.57	0.05	0.43	0.1	0.03	<10
81921	0.3	10.1	218	90	5	12	310	2550	0.33	23	15	<1	<10	0.1	21	60	1.38	0.07	0.35	0.1	0.033	<10
81922	0.3	2.4	163	89	4	16	82	625	0.3	<10	9	<1	<10	0.09	19	50	1.51	0.04	0.38	0.07	0.031	<10
81923	0.3	<0.5	17	116	4	18	16	58	0.42	<10	12	<1	<10	0.11	18	52	2.18	0.06	0.49	0.07	0.033	<10
81924	0.3	<0.5	31	149	3	17	19	97	0.55	<10	21	<1	<10	0.11	15	45	2.36	0.11	0.61	0.07	0.035	<10
81925	7.5	1.2	121	1020	11	12	21	82	1.16	<10	121	<1	<10	2.22	18	21	3.94	0.28	0.71	0.18	0.069	<10
81926	0.7	45.6	546	208	5	25	2270	>10000	0.73	26	14	<1	<10	0.12	19	51	2.44	0.07	0.93	0.07	0.036	<10
81927	0.5	41.9	127	165	3	14	2800	>10000	0.52	15	16	<1	<10	0.11	10	47	1.38	0.08	0.59	0.09	0.038	<10
81928	1.1	73	883	142	6	15	>5000	>10000	0.3	20	11	<1	<10	0.11	12	94	0.76	0.05	0.37	0.1	0.037	<10
81929	1.4	44.5	828	86	6	59	>5000	>10000	0.3	80	16	<1	<10	0.12	52	60	2.35	0.1	0.32	0.07	0.04	<10
81930	0.6	0.9	797	55	5	32	618	215	0.22	24	24	<1	<10	0.13	29	55	1.9	0.13	0.18	0.08	0.042	<10
81487	0.3	<0.5	20	3880	<2	45	7	109	1.31	30	13	<1	<10	5.09	38	31	11.5	0.06	1.15	0.03	0.031	<10
81488	0.3	<0.5	35	590	3	36	6	84	0.47	<10	78	<1	<10	0.64	14	91	1.98	0.04	0.61	0.06	0.064	<10
81489	0.3	<0.5	66	784	<2	91	6	55	1.04	93	28	<1	<10	4.12	30	124	4.68	0.12	1.39	0.04	0.069	<10
81490	<0.2	<0.5	60	737	<2	33	4	43	0.67	<10	139	<1	<10	4.81	16	38	2.52	0.22	0.77	0.03	0.06	<10
81491	<0.2	<0.5	56	625	<2	37	2	45	0.74	<10	185	<1	<10	3.59	15	34	2.39	0.26	0.78	0.04	0.062	<10
81492	<0.2	<0.5	53	757	<2	44	<2	51	0.79	<10	437	<1	<10	4.28	17	38	2.76	0.2	0.96	0.04	0.066	<10
81493	<0.2	<0.5	53	979	<2	40	3	44	0.66	<10	1760	<1	<10	6.05	14	29	2.5	0.26	0.96	0.03	0.06	<10
81494	<0.2	<0.5	61	752	<2	48	4	50	0.83	<10	399	<1	<10	4.06	19	47	3.16	0.24	0.94	0.05	0.064	<10
81495	<0.2	<0.5	34	699	<2	46	<2	61	0.93	<10	73	<1	<10	3.85	18	39	3.12	0.28	0.96	0.05	0.063	<10
81496	<0.2	<0.5	28	592	<2	45	<2	56	0.82	<10	42	<1	<10	3.3	18	34	2.85	0.22	0.82	0.04	0.057	<10
81497	<0.2	<0.5	28	639	<2	47	<2	58	0.79	<10	34	<1	<10	3.77	17	30	3	0.19	0.87	0.03	0.058	<10
81498	<0.2	<0.5	51	683	<2	51	15	44	0.65	38	37	<1	<10	5.01	20	28	2.94	0.24	0.69	0.02	0.057	<10
81499	<0.2	<0.5	55	531	<2	46	8	39	0.63	<10	45	<1	<10	4.08	16	23	2.45	0.16	0.55	0.02	0.061	<10
81500	7.5	1.3	122	1010	12	13	21	81	1.11	13	118	<1	<10	2.21	19	20	3.89	0.26	0.71	0.17	0.066	<10
81501	<0.2	<0.5	56	672	<2	51	3	47	0.76	<10	114	<1	<10	4.21	19	35	3.06	0.22	0.93	0.04	0.061	<10
81502	<0.2	<0.5	49	685	<2	51	<2	50	0.91	<10	168	<1	<10	4.05	19	50	3.16	0.24	0.98	0.05	0.06	<10
81503	<0.2	<0.5	41	592	<2	41	3	47	0.77	<10	111	<1	<10	3.37	17	36	2.62	0.27	0.76	0.04	0.063	<10
81504	<0.2	<0.5	30	617	<2	39	4	48	0.8	<10	461	<1	<10	3.64	13	46	2.63	0.26	0.84	0.06	0.052	<10
81505	<0.2	<0.5	23	510	3	28	3	40	0.55	<10	741	<1	<10	2.81	10	71	1.77	0.16	0.37	0.07	0.053	<10
81506	<0.2	<0.5	34	639	<2	38	4	45	0.75	14	170	<1	<10	3.53	15	54	2.56	0.29	0.75	0.06	0.054	<10
81507	0.4	<0.5	24	506	3	46	<2	59	0.95	14	25	<1	<10	1.51	17	99	2.63	0.05	0.9	0.09	0.041	<10
81508	0.2	<0.5	25	412	3	39	<2	50	0.95	16	21	<1	<10	1.76	13	86	2.2	0.05	0.78	0.08	0.044	<10
81509	<0.2	<0.5	24	419	3	42	2	52	0.95	14	10	<1	<10	2.03	14	96	2.2	0.02	0.86	0.07	0.048	<10
81510	0.3	<0.5	33	427	3	40	<2	52	0.73	<10	25	<1	<10	1.75	14	80	2.02	0.05	0.85	0.07	0.05	<10

Final Report
Activation Laboratories

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
81868	16	< 10	27	0.31	179	< 10	11	18	0.29
81869	7	< 10	13	0.14	97	< 10	4	10	0.049
81870	11	< 10	54	0.28	143	< 10	11	16	0.059
81871	8	< 10	14	0.29	129	< 10	12	12	0.099
81872	6	< 10	9	0.21	79	< 10	7	12	0.017
81873	2	< 10	6	0.14	36	< 10	6	7	0.14
81874	4	< 10	9	0.2	60	< 10	7	12	0.112
81875	10	< 10	133	0.12	118	< 10	10	17	0.538
81876	13	< 10	9	0.25	147	< 10	8	14	0.599
81877	8	< 10	23	0.26	79	< 10	9	14	0.345
81878	7	< 10	37	0.25	74	< 10	8	12	0.264
81879	5	< 10	10	0.24	60	< 10	7	13	0.003
81880	5	< 10	8	0.21	47	< 10	8	14	0.002
81881	4	< 10	10	0.19	45	< 10	9	13	0.102
81882	13	< 10	7	0.29	163	< 10	11	12	0.349
81883	10	< 10	12	0.13	150	< 10	12	8	0.114
81884	9	< 10	20	0.18	193	< 10	11	10	0.093
81885	9	< 10	12	0.32	137	< 10	10	19	0.658
81886	5	< 10	8	0.17	55	< 10	7	12	0.068
81887	9	< 10	17	0.32	127	< 10	12	16	0.84
81888	15	< 10	28	0.28	174	< 10	14	16	0.818
81889	13	< 10	28	0.33	226	< 10	12	18	0.158
81890	14	< 10	22	0.3	253	< 10	11	16	0.089
81891	5	< 10	58	0.34	212	< 10	10	12	0.048
81892	5	< 10	107	0.46	212	< 10	10	12	0.041
81893	5	< 10	32	0.32	196	< 10	9	10	0.045
81894	4	< 10	28	0.23	172	< 10	9	9	0.043
81895	4	< 10	30	0.17	142	< 10	7	7	0.029
81896	4	< 10	23	0.23	187	< 10	10	9	0.049
81897	5	< 10	24	0.25	216	< 10	11	10	0.049
81898	5	< 10	26	0.28	210	< 10	11	11	0.054
81899	8	< 10	35	0.32	155	< 10	11	11	0.427
81900	4	< 10	58	0.07	52	< 10	2	4	0.035
81901	9	< 10	40	0.29	165	< 10	11	11	0.208
81902	18	< 10	38	0.37	227	< 10	16	13	0.392
81903	8	< 10	25	0.25	163	< 10	12	10	0.094
81904	20	< 10	18	0.25	194	< 10	10	18	1.408
81905	22	< 10	15	0.15	186	< 10	10	19	1.183
81906	14	< 10	7	0.04	222	< 10	10	17	2.065
81907	4	< 10	5	0.02	40	< 10	4	13	1.602
81908	3	< 10	5	< 0.01	31	< 10	3	11	0.388
81909	4	< 10	4	0.02	39	< 10	4	11	0.306
81910	3	< 10	4	0.02	32	< 10	4	10	0.719
81911	2	< 10	4	< 0.01	23	< 10	3	8	0.273
81912	1	< 10	4	< 0.01	19	< 10	3	7	0.38
81913	2	< 10	4	< 0.01	20	< 10	3	9	0.156
81914	2	< 10	5	< 0.01	25	< 10	3	8	0.875
81915	2	< 10	5	0.02	17	< 10	5	9	0.409
82270	2	< 10	4	0.03	25	< 10	4	8	0.173
81916	2	< 10	6	< 0.01	21	< 10	4	10	0.64
81917	2	< 10	5	< 0.01	21	< 10	3	11	1.051
81918	2	< 10	5	< 0.01	23	< 10	3	9	0.555
81919	1	< 10	5	< 0.01	20	< 10	3	8	0.193

Final Report
Activation Laboratories

Analyte Symbol	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	1	10	1	0.01	1	10	1	1	0.001
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
81868	16	< 10	27	0.31	179	< 10	11	18	0.29
81920	2	< 10	5	< 0.01	26	< 10	3	6	0.67
81921	2	< 10	5	< 0.01	21	< 10	3	6	0.632
81922	2	< 10	4	< 0.01	20	< 10	3	5	0.741
81923	2	< 10	4	< 0.01	24	< 10	3	8	0.895
81924	2	< 10	5	< 0.01	21	< 10	3	9	0.813
81925	10	< 10	135	0.13	118	< 10	11	17	0.546
81926	3	< 10	5	< 0.01	35	< 10	3	9	1.095
81927	2	< 10	5	< 0.01	24	< 10	3	7	0.572
81928	2	< 10	5	< 0.01	22	< 10	3	8	1.059
81929	2	< 10	6	< 0.01	21	< 10	4	14	2.399
81930	1	< 10	6	< 0.01	14	< 10	4	13	1.636
81487	20	< 10	77	< 0.01	171	< 10	6	9	0.147
81488	2	< 10	75	0.11	52	< 10	4	11	0.01
81489	8	< 10	73	0.12	78	< 10	8	27	0.976
81490	2	< 10	143	0.07	25	< 10	7	22	0.238
81491	2	< 10	127	0.01	24	< 10	6	11	0.039
81492	3	< 10	143	< 0.01	30	< 10	6	8	0.014
81493	2	< 10	254	< 0.01	24	< 10	6	8	0.044
81494	3	< 10	199	< 0.01	37	< 10	6	9	0.363
81495	3	< 10	210	< 0.01	29	< 10	6	9	0.005
81496	3	< 10	174	< 0.01	25	< 10	5	14	0.012
81497	3	< 10	142	< 0.01	26	< 10	6	17	0.014
81498	2	< 10	102	< 0.01	22	< 10	6	20	0.543
81499	2	< 10	106	< 0.01	17	< 10	5	10	0.039
81500	9	< 10	134	0.12	114	< 10	10	18	0.538
81501	3	< 10	200	< 0.01	29	< 10	6	15	0.03
81502	3	< 10	219	< 0.01	32	< 10	6	15	0.011
81503	2	< 10	199	< 0.01	22	< 10	6	13	0.175
81504	2	< 10	153	< 0.01	27	< 10	6	14	0.115
81505	4	< 10	448	0.14	41	< 10	5	16	0.04
81506	4	< 10	152	0.15	36	< 10	6	18	0.377
81507	5	< 10	177	0.2	68	< 10	3	24	0.121
81508	4	< 10	178	0.19	59	< 10	3	20	0.052
81509	4	< 10	292	0.18	58	< 10	3	21	0.023
81510	3	< 10	113	0.16	45	< 10	3	17	0.032