



SERENGETI
RESOURCES INC.

ASSESSMENT REPORT

including

Drilling and Geophysics

on the

KWANIKA PROPERTY

**BC Geological Survey
Assessment Report
34068**

**OMINECA MINING DIVISION,
British Columbia
NTS: 93N/06 + 11
Latitude 55°30' N, Longitude 125°18' W**

**Prepared for Operators:
SERENGETI RESOURCES INC
1700-750 West Pender Street
Vancouver, BC, Canada V6C 2T8**

**By:
H. Clarke, B.A.,
13 May, 2013
Vancouver, B.C.**

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(1) Introduction

The Kwanika property is located in north-central British Columbia, within the Omineca Mining Division (Figure 1). The property consists of 28 contiguous unpatented mineral claims covering an area of 8,960.29 ha and is 100% owned by Serengeti Resources Inc. (Serengeti) (Figure 2). Serengeti acquired the current extent of the property through staking between 2004 and 2006. The Kwanika claims were acquired in order to follow up past exploration activities that indicated potential for a large porphyry copper to occur underlying the extensive quaternary glacial sediments that cover the majority of the property.

Several phases (I through VI to 2011) of exploration and drilling since 2006 have defined two mineral deposits: the copper-gold-molybdenum-silver South Zone and the copper-gold-silver Central Zone, both of which contain 43-101 compliant Mineral Resources (Figure 2). The Mineral Resource estimates are summarized in Table 1 below.

TABLE 1 KWANIKA PROJECT MINERAL RESOURCES – DECEMBER 31, 2010
(NI 43-101 TECHNICAL REPORT ON THE KWANIKA PROJECT, RENNIE, D.W, 2011)
Serengeti Resources Inc. - Kwanika Project

Central Zone									
Category	NSV Cut- Off	Tonnage	Au		Cu		Ag		
	(\$/t)		(Mt)	(g/t)	(M oz)	(%)	(M lb)	(g/t)	(M oz)
Indicated	7.50	244	0.21	1.66	0.23	1,233	0.69	5.39	
Inferred	7.50	55.2	0.14	0.245	0.14	168	0.42	0.74	

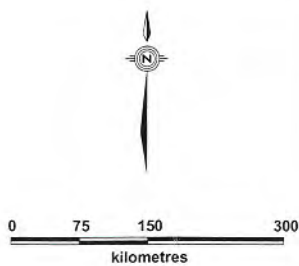
South Zone										
Category	NSV Cut- Off	Tonnage	Au		Cu		Mo		Ag	
	(\$/t)		(Mt)	(g/t)	(M oz)	(%)	(M lb)	(%)	(M lb)	(g/t)
Inferred	\$7.50	240	0.09	0.664	0.20	1,080	0.007	37.6	1.49	11.50

The purpose of this document is to report on the Phase VII exploration activities. In 2012, Serengeti financed a \$474,380 diamond drill program and 3 km IP survey on the Kwanika property (Appendix A). The IP program was completed from July 10th to July 13th and the drill program from August 16th to September 2nd 2012. During this period, 4 diamond drillholes were completed on the property with an aggregate length of 1,473.7 m (Figure 3 and 4). This phase of exploration tested specific IP-chargeability and geochemical exploration targets to the north of the Central Zone deposit and one regional drill hole tested an IP chargeability target under deep cover in the southern portion of the property.

(2) Property Description and Location

The Kwanika property is located in north central British Columbia, in the Omineca Mining Division, approximately 140 km northwest (approximately 200 km by road) of Fort St. James. The project area is on NTS map sheets 93N06 and 93N11, at latitude 55°30' N and longitude 125°18' W. Figure 1 shows the location of the property.

The Kwanika property consists of 28 contiguous unpatented mineral claims covering an area of 8,960.29 ha and is 100% owned by Serengeti (Figure 2). It is not subject to any royalties or other outstanding liabilities. Serengeti acquired the claims through staking between 2004 and 2006. Additional information regarding the individual claims can be referenced in Table 2.

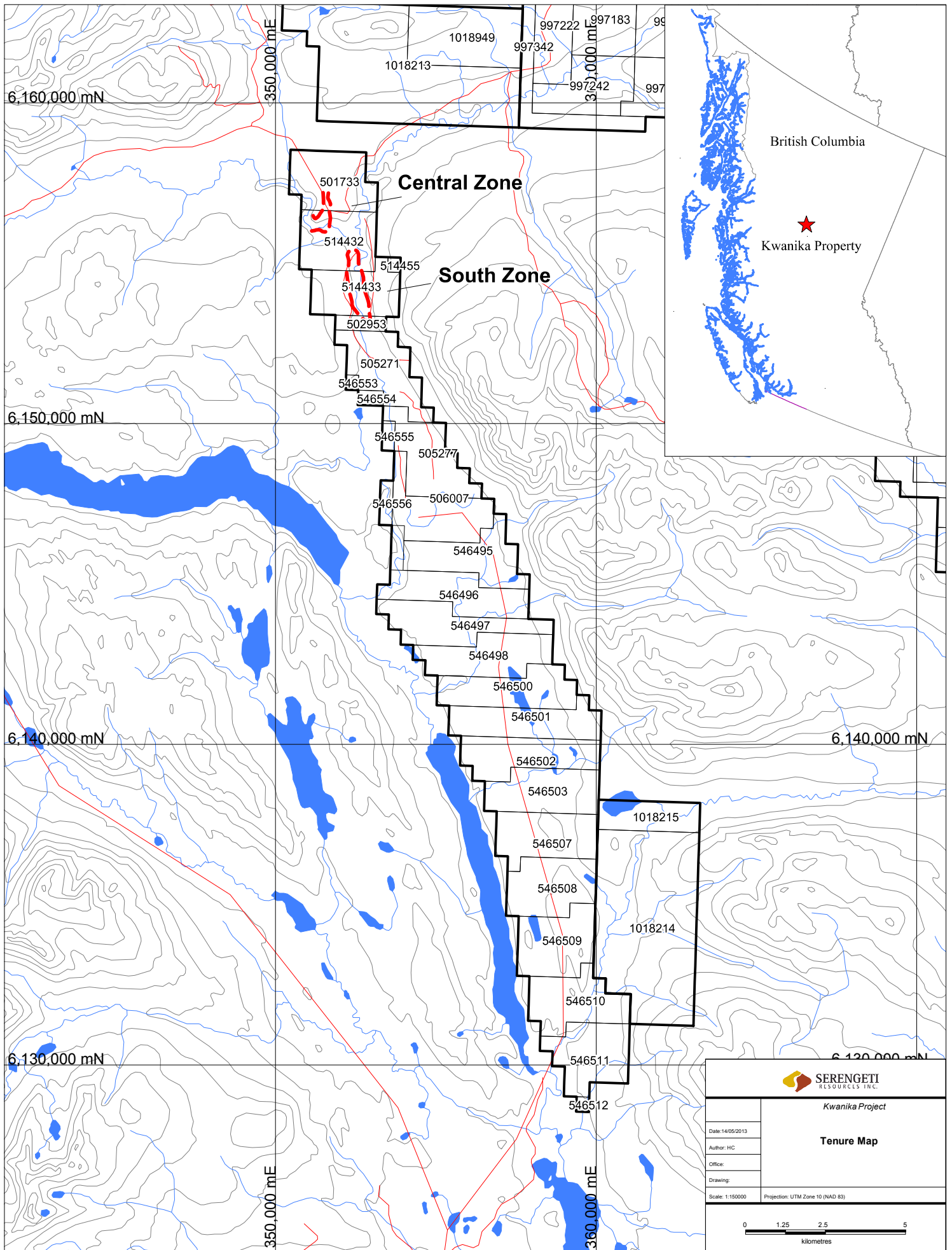


SERENGETI RESOURCES INC.

KWANIKA PROPERTY

Location Map

Date	Aug 11, 2008	Scale	1:8,000,000
Projection	UTM - NAD83	State/Province	BC
Author	MO	File	KwanLoc




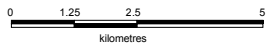
 SERENGETI RESOURCES INC.	
Kwanika Project	
Tenure Map	
Date: 14/05/2013	
Author: HC	
Office:	
Drawing:	
Scale: 1:150000	Projection: UTM Zone 10 (NAD 83)
	

Table 2. Kwanika Property Tenure Details, May 2013

<i>Project</i>	<i>Tenure #</i>	<i>Claim Name</i>	<i>Hectares</i>	<i>Expiry Date</i>	<i>NTS</i>	<i>Record Date</i>	<i>Mining Division</i>
KWANIKA	501733	KWANIKA 1	457.642	04-Dec-2023	093N054	12-Jan-2005	OMENICA
KWANIKA	502953	KWANIKA 4	73.296	04-Dec-2023	093N054	13-Jan-2005	OMENICA
KWANIKA	505271		458.168	04-Dec-2023	093N044	31-Jan-2005	OMENICA
KWANIKA	505277	KWANIKA 5	458.45	04-Dec-2023	093N044	31-Jan-2005	OMENICA
KWANIKA	506007	KWANIKA 7	458.624	04-Dec-2023	093N044	6-Feb-2005	OMENICA
KWANIKA	514432		439.522	19-Nov-2023	093N054	19-Nov-2004	OMENICA
KWANIKA	514433		403.038	19-Nov-2023	093N054	19-Nov-2004	OMENICA
KWANIKA	514455	KWANIKA 8	18.316	13-Jun-2023	093N054	13-Jun-2005	OMENICA
KWANIKA	546495	Kwanika 9	458.7669	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546496	Kwanika 10	458.8842	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546497	Kwanika 11	458.9818	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546498		459.0775	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546500	Kwanika 13	459.1835	04-Dec-2023	093N034,044	4-Dec-2006	OMENICA
KWANIKA	546501	Kwanika 14	459.2853	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546502	Kwanika 15	459.3943	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546503	Kwanika 16	459.5061	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546507		459.65	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546508	Kwanika 18	459.8098	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546509	Kwanika 19	460.0162	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546510	Kwanika 20	460.2152	04-Dec-2023	093N034,035	4-Dec-2006	OMENICA
KWANIKA	546511	Kwanika 21	460.3846	04-Dec-2023	093N034,035	4-Dec-2006	OMENICA
KWANIKA	546512	Kwanika 22	18.4218	04-Dec-2023	093N024	4-Dec-2006	OMENICA
KWANIKA	546553	Kwanika 24	18.3287	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546554	Kwanika 25	36.6609	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546555	Kwanika 26	36.6704	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546556	Kwanika 27	55.0316	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546557	Kwanika 28	36.6974	04-Dec-2023	093N044	4-Dec-2006	OMENICA
KWANIKA	546558	Kwanika 29	18.3516	04-Dec-2023	093N044	4-Dec-2006	OMENICA

28 claims

8960.3738

(3) Accessibility, Local Resources, Infrastructure, Climate and Physiography

ACCESSIBILITY

The Kwanika Property is located 140 km northeast of Fort St. James in north central British Columbia. It is accessible by the well-maintained, all-weather Leo Creek Forest Service Road (FSR) and Driftwood FSR. The Driftwood FSR services the nearby town of Takla Landing and is maintained year-round by the British Columbia Forestry Service to within 29 km of the site. The final 29 km of access is via the Tsayta Lake logging road which is suitable for passage of four-wheel-drive vehicles in all seasons (pending snow removal) and has been maintained seasonally by Serengeti since the fall of 2006. The road is snow-free from May to October. Serengeti has refurbished and significantly expanded a network of pre-existing exploration roads covering the property.

CLIMATE

The average temperature for this area (based on data from Fort St. James) is 3.1°C, with a peak average monthly temperature of 21.9°C in July and an average monthly low of -15.8°C in January. The region receives an average of 295 mm of rainfall and 192 cm of snowfall annually, with 138 days per year where precipitation exceeds 0.2 mm. The Kwanika property is snow-covered from late October to May.

LOCAL RESOURCES

The Kwanika Project is in close proximity to the well-serviced communities of Prince George, Smithers, and Fort St. James. These established centres can provide skilled labour for mine construction and operation and are presently a source of an extensive workforce pool for exploration. The property is 320 km, by road, from the Endako molybdenum mine and 200 km by road from the Mt Milligan mine development project which is due to go into production in late 2013.

Serengeti reports that it has developed a beneficial association with the local Takla Lake First Nation, and that there is community support for the Kwanika Project and the potential employment that it would provide.

INFRASTRUCTURE

Infrastructure consists of a 30-man exploration camp. Other infrastructure on the Kwanika property consists of dirt logging roads and several kilometres of excavated trails. There is a network of historical exploration roads stretching to the southern end of the property that could be reactivated for potential future exploration.

The Kwanika property is located approximately 75 km to the southwest of the Kemess power line, and B.C. Railway Company maintains an active rail line to Fort St. James (approximately 200 km via road) that could potentially be used for concentrate transport. Serengeti reports that the proximity of the power line and rail infrastructure compares favourably to other planned or existing mines in British Columbia.

There is sufficient water available in the immediate vicinity of the property to support both exploration and potential mining activities.

PHYSIOGRAPHY

The property occupies a broad, till-blanketed valley which ranges in elevation from 900 m to 1,200 m. The local topography is gently to moderately sloping, with sparse bedrock exposure. The only observable rock outcrops on the property are along the meandering Kwanika Creek, where fluvial processes have eroded the till blanket.

Kwanika Creek lies east of the Pacific divide, draining southward into the Nation Lakes chain, and eventually into the Arctic Ocean. The property is moderately forested with spruce and lodgepole pine, broadleaf deciduous trees and shrubs, such as alder, birch and aspen, and underlying lichen and mosses.

The Kwanika property is not subject to any known environmental liabilities and all required permits have been obtained and are in good standing.

(4) History

Exploration work has been carried out on the Kwanika property since 1964 when copper mineralization was first recognized along Kwanika Creek and numerous operators have completed exploration work in the area since then (Table 3).

Serengeti acquired the property in 2004 and has since completed an extensive amount of exploration work to date which includes 99.9 km of IP, 26.9 km magnetic, 850 km airborne magnetic/radiometric, 320 km airborne EM surveys and 73,096 m of diamond drilling. Figure 3 and 4 shows the location of all Serengeti and known past operator drilling up to December 31st, 2011 (ie. the end of the Phase VI drilling program).

Table 3 - Kwanika Property Exploration Summary

Company (Year)	Geochemistry	Geophysics	Drilling/Trenching	Reference
Hogan Mines Ltd. (1965)	Survey not defined		2 X-ray drillholes (27.4 m), trenching program not defined	Macdonald (1965); Buskas, Garrett & Morton (1989)
Canex Aerial Explorations (1966)	Survey not defined	Ground: 67.6 km IP/Magnetic	11 DDH(855.9 m), trenching program not defined	Pentland (1966); <u>Sawyer (1969)</u>
Great Plains Development Company of Canada Ltd. (1969)		Ground magnetic survey not defined	7 DDH (1320 m)	<u>Sawyer (1969)</u> ; Buskas, Garrett & Morton (1989)
Bow River Resources (1972)			6 percussion drillholes (549.0 m)	Buskas, Garrett & Morton (1989)
Pechiney Development Ltd. (1973)		Ground: 64.4 km IP/Resistivity		Hallof & Goudie (1973)/4826
Pechiney Development Ltd. (1974)			30 percussion drillholes (2,993 m)	Guepla (1974)/ 5266
Placer Development Ltd. (1981)	35 soil, 16 rock			Bulmer (1981)/ 10492
Placer Development Ltd. (1981)	35 soil, 16 rock			Bulmer (1981)/ 10492
Aume Resources Ltd. (1983)	43 soil, 37 silt, 12 rock			Culbert (1983)/ 12359
Equinox Resources Ltd. / Daren Resources Ltd. (1986)	96 soil, 14 silt, 15 rock			Christoffersen (1986)/15263
Northair Mines Ltd. / Eastfield Resources Ltd. (1989)	55 soil, 143 silt, 162 rock	Ground 23.3 km IP		Buskas, Garrett & Morton (1989)/ 19131
Candela Resources Ltd. / Eastfield Resources Ltd. (1991)			4 DDH (549.2 m)	Morton (1991)/ 21648
Discovery Consultants (1995)	2 heavy mineral stream sed., 15 rock			Carpenter (1996)/ 24422
Discovery Consultants (1999)	3 heavy mineral stream sed.			Carpenter (1999)/ 26147
Serengeti Resources Inc. (2005)	11 rock	Airborne: 530 km Magnetic/Radiometric		Osatenko & Klein(2005)/28180
Serengeti Resources Inc. (2006)		Ground: 26.9 km IP/Magnetic	10 DDH (1,874.3 m)	Moore & Walcott (2007)/29261
Serengeti Resources Inc. (2007-2008)		Airborne: 320 km Magnetic/EM Ground: 70 km dipole IP	113 DDH (53,646.3 M)	Fugro Airborne (2007)/29745
Serengeti Resources Inc. (2009)			17 (6,249.1 m)	
Serengeti Resources Inc. (2010)			28 (7,619.4 m)	
Subtotal for: Serengeti Resources Inc. (2006 - 2012)		Ground: 99.9 km IP, 26.9 km Magnetic, Airborne: 850 km Magnetic/Radiometric, 320 km EM	176 DDH (73,096 m)	
Total for all Exploration	229 soil, 194 silt, 231 rock, 5 heavy mineral stream sed.	Ground: 185.2 km IP, 94.5 km Magnetic, 64.4 km Resistivity, Airborne: 850 km Magnetic/Radiometric, 320 km EM	DDH: 76,500 m, percussion DH: 3,542 m, X-ray DH: 27.4 m	

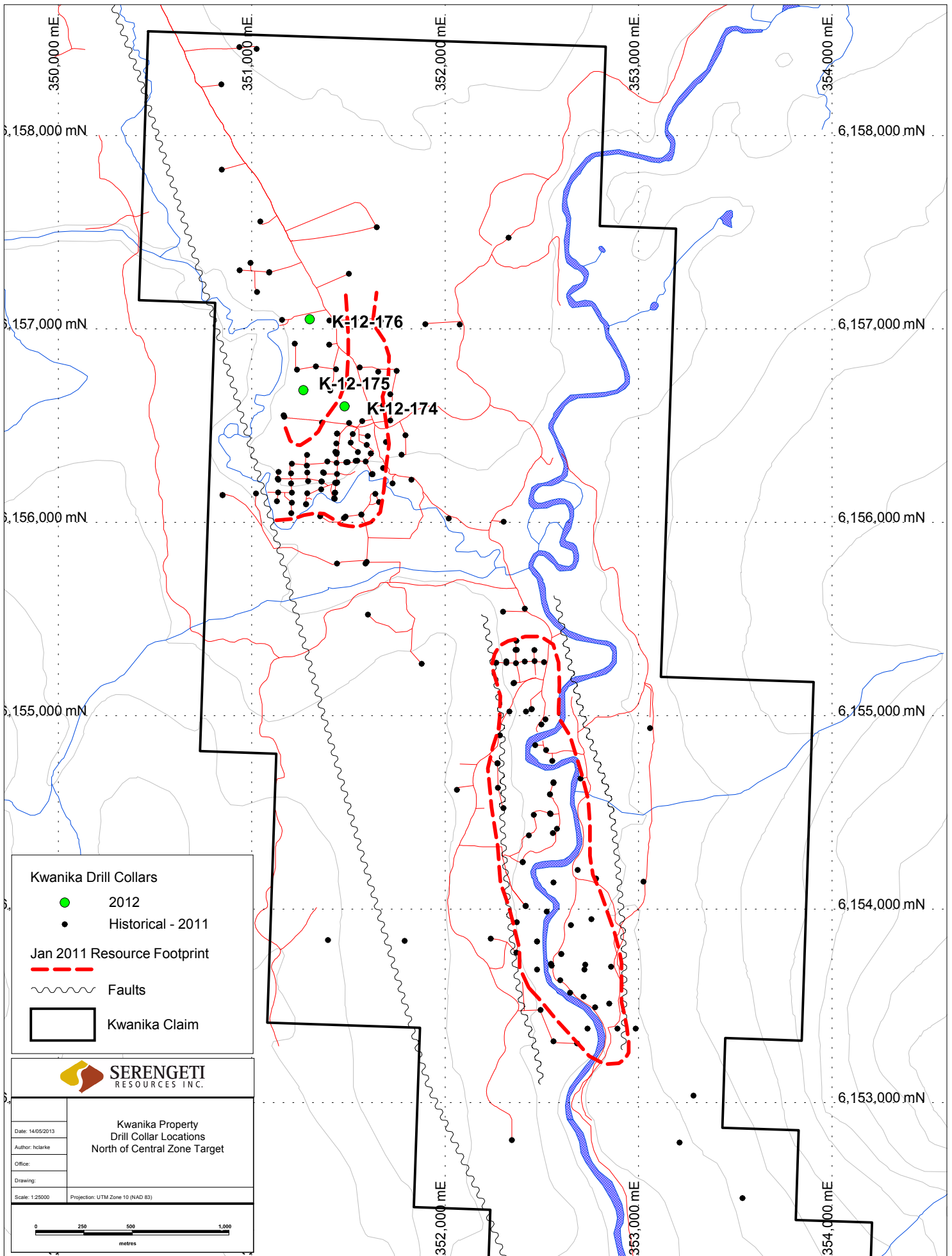
(5) Geology

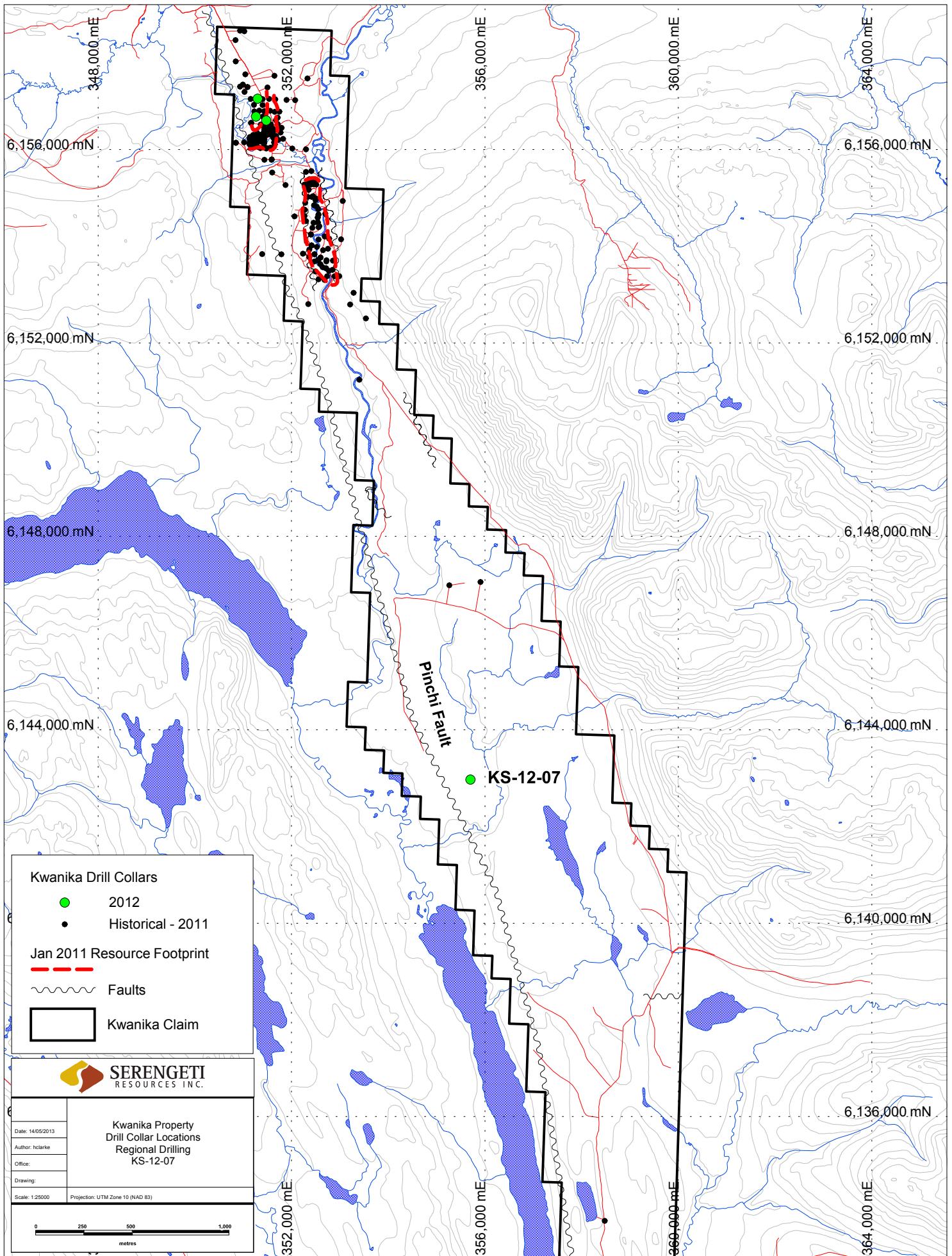
REGIONAL GEOLOGY

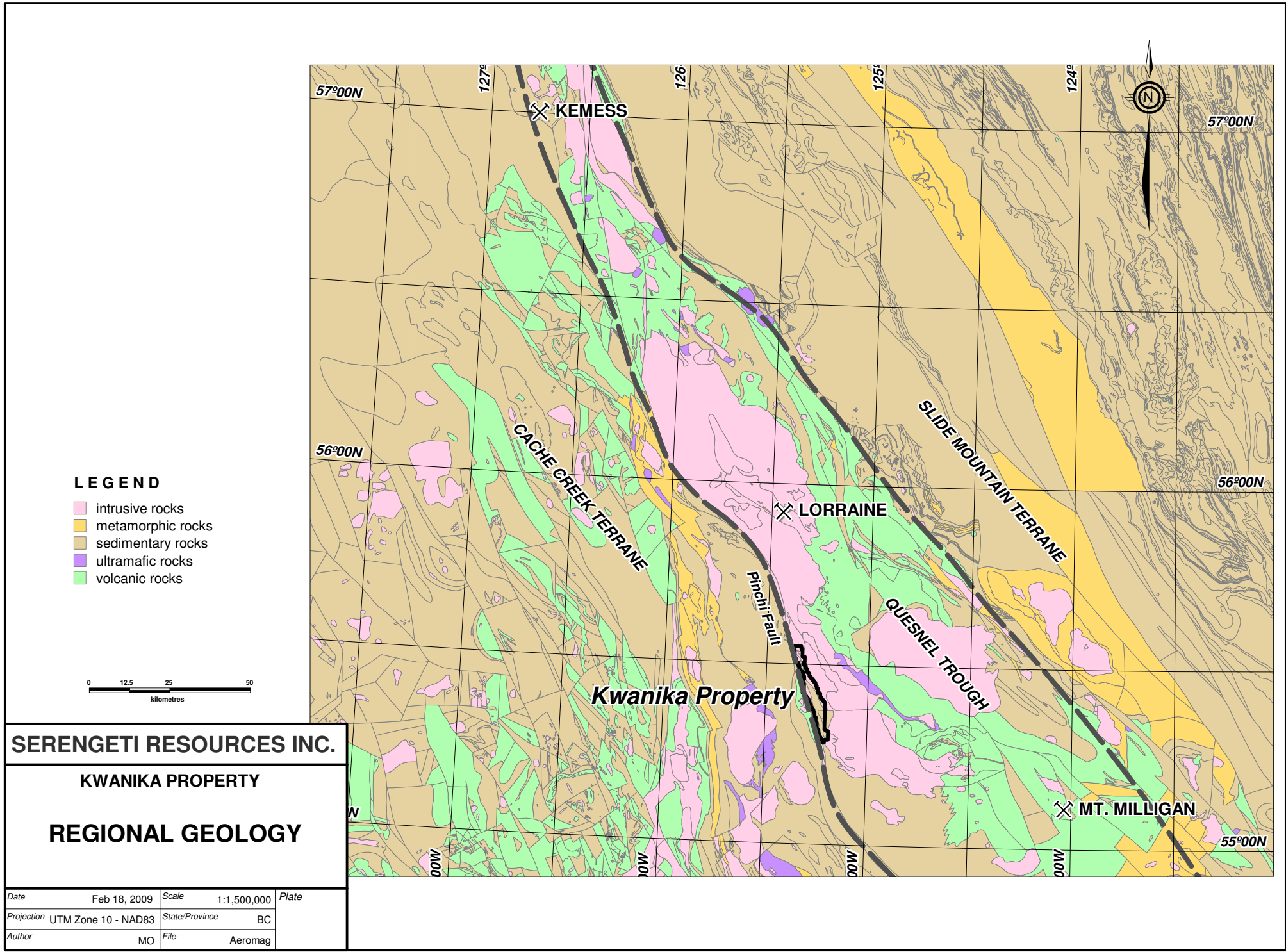
The Kwanika property lies in the northern part of the Upper Triassic to Lower Jurassic Quesnellia Terrane (Quesnel Trough) which comprises a belt of Lower Mesozoic volcanic rocks and intrusions lying between highly deformed Proterozoic and Paleozoic strata to the east and deformed Upper Paleozoic strata to the west (Garnett, 1978). The Quesnel Trough is the host of numerous alkalic and calc-alkalic porphyry copper-gold deposits within British Columbia (Figure 5). In the area around the Kwanika property, Quesnellia is bounded by the Pinchi fault on the west and by the Manson fault on the east. The Pinchi fault separates Permian rocks of the Cache Creek Terrane to the west from the Upper Triassic Takla Group to the east (Garnett, 1978).

PROPERTY GEOLOGY

The Kwanika Project consists of two mineralized areas: the Central Zone and the South Zone hosted within a multiphase Hogem Batholith intruding into successions of andesitic rocks of the Takla Volcanic Group (Figure 6). The geology and alteration for each zone are described independently. Please refer to Assessment Report 33334 for a comprehensive report including property geology.







LEGEND

- intrusive rocks
- metamorphic rocks
- sedimentary rocks
- ultramafic rocks
- volcanic rocks



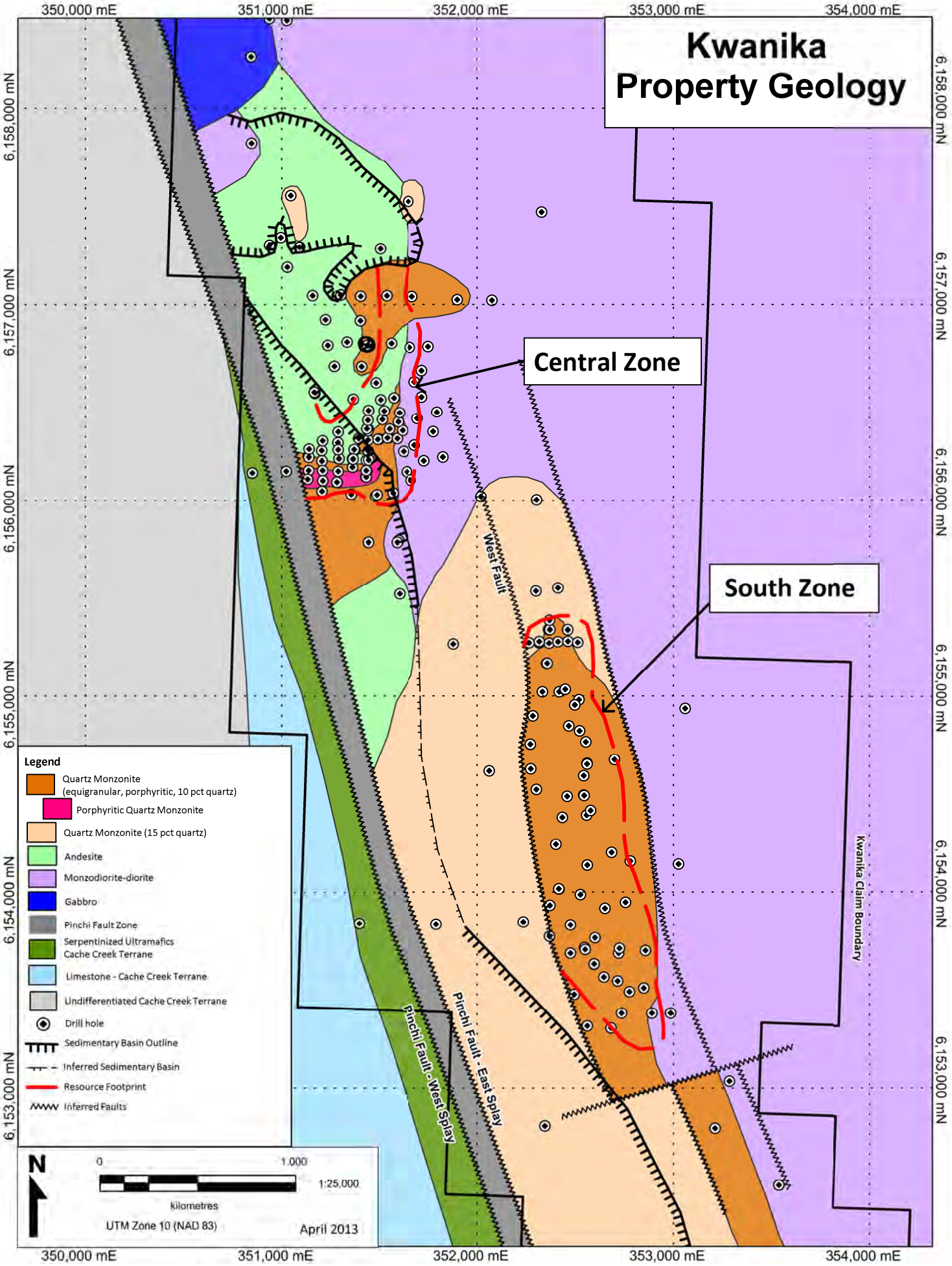
SERENGETI RESOURCES INC.

KWANIKA PROPERTY

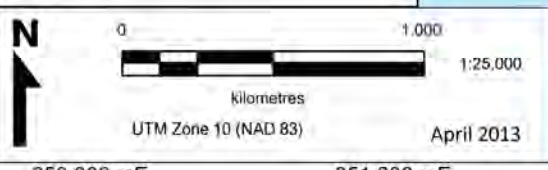
REGIONAL GEOLOGY

Date	Feb 18, 2009	Scale	1:1,500,000	Plate
Projection	UTM Zone 10 - NAD83	State/Province	BC	
Author	MO	File	Aeromag	

Kwanika Property Geology



- Legend**
- Quartz Monzonite (equigranular, porphyritic, 10 pct quartz)
 - Porphyritic Quartz Monzonite
 - Quartz Monzonite (15 pct quartz)
 - Andesite
 - Monzodiorite-diorite
 - Gabbro
 - Pinchi Fault Zone
 - Serpentinized Ultramafics Cache Creek Terrane
 - Limestone - Cache Creek Terrane
 - Undifferentiated Cache Creek Terrane
 - Drill hole
 - Sedimentary Basin Outline
 - Inferred Sedimentary Basin
 - Resource Footprint
 - Inferred Faults



(6) 2012 Drill Program

The Phase VII drill program on the Kwanika property was completed from August 16th to September 2nd, 2012. During this period, a total of 4 diamond drill holes were completed on the property with an aggregate length of 1,493.7 m (Figure 3, 4 and 6).

A total of 607 samples of drill core were collected and analyzed during the 2012 program. Assaying of samples was carried out by Acme Analytical Laboratories. Samples were transported via truck by a local third party expediting and freight company. To ensure that samples were not tampered with during transport to the laboratory, the number of each security tag and its associated rice sack number were recorded by the geologist at the Kwanika site. A list of each bag and its unique security tag number was forwarded to ACME, which then confirmed that each security tag matched its correct rice sack.

Upon receipt at the assay facility, all core samples were dried and then passed through a two-stage crushing process, which reduced the material to 90% minus 2 mm in size. The crushed material was split in a Jones Riffle to a subsample measuring 250 g to 300 g. The subsamples were pulverized in a ring-and-puck mill to 95% passing a 150 mesh screen.

All samples were subject to aqua regia digestion and then assayed for 28 elements using Inductively Coupled Plasma (ICP) spectrometry. Samples with greater than 2,000 ppm Cu or 100 ppb Au were re-run for Au, Cu, Pb, Zn and Fe by Atomic Absorption (AA). Dissolution of the samples for the base metal determinations was done using aqua regia, while for the gold it was aqua regia followed by 2, 6-Dimethyl-4-heptanone.

Samples assaying greater than 0.2 g/t Au in the ICP or AA analyses were re-assayed using fire assay and AA finish. These assays were carried out on a 30 g (one assay-ton) aliquot.

The phase VII drill holes are sequentially numbered K-12-174 to K-11-176 and KS-12-07 for the regional drill hole. This phase of exploration tested specific IP-chargeability and geochemical exploration targets to the north of the Central Zone deposit and one drill hole tested an IP chargeability target under deep cover in the southern portion of the property.

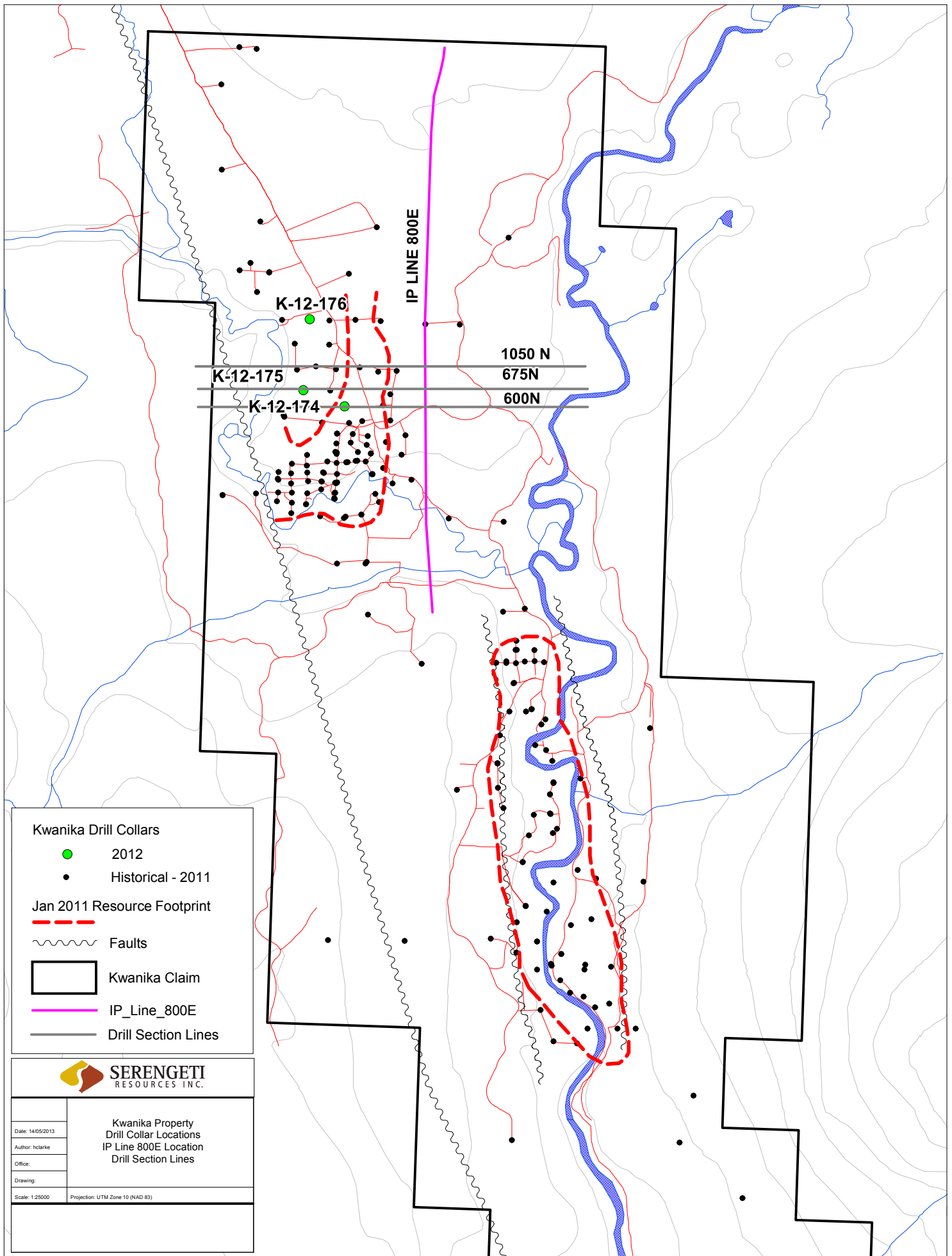
Appendix C contains a set of drill sections illustrating drill traces, lithology, alteration, grade distribution, and annotated significant drill intercepts for all the drill holes completed in 2012. Appendix D contains a complete database of drill results. Appendix D includes the following; i) A Table showing 2011 drill hole IDs, hole locations, azimuths, dips, and total depths, and ii) copper, molybdenum, gold, and silver assay results for the 2011 drilling, which are referenced by hole ID, sample number, and down hole depth. Appendix E contains complete analytical certificates from Acme for all 2012 drill core assay results. Appendix F contains complete drill logs for the 4 holes drilled in 2012.

(7) 2012 IP Survey

Serengeti completed a 3 line km Induced Polarization (I.P.) survey in July 2012 (Figure 7). The survey was completed N-S, perpendicular to the existing IP surveys previously carried out in order to test the existence of a chargeability feature to the East of the Central Zone resource area.

The survey was carried out using the “pole-dipole” method of surveying. In this method the current electrode, C_1 , and the potential electrodes, P_1 through P_{n+1} , are moved in unison along the survey lines at a spacing of “a” (the dipole) apart, while the second current electrode, C_2 , is kept constant at “infinity”. The distance, “na” between C_1 and the nearest potential electrode generally controls the depth to be explored by the particular separation, “n”, traverse. On this survey 200 metre dipoles were employed and first to six separation readings were obtained. In all some 3 kilometres of I.P. traversing were completed.

Refer to Appendix E for the results of this survey and IP and Resistivity sections.



Kwanika Drill Collars

- 2012
- Historical - 2011

Jan 2011 Resource Footprint



- Faults



Kwanika Claim

- IP_Line_800E

- Drill Section Lines



SERENGETI
RESOURCES INC.

Date: 14/05/2013

Author: hclarke

Office:

Drawing:

Scale: 1:25000

Projection: UTM Zone-10 (NAD 83)

Kwanika Property
Drill Collar Locations
IP Line 800E Location
Drill Section Lines

(8) Results and Discussion

The objective of the drilling program was to identify new mineral resources outside the existing known resource area. This phase of exploration tested two primary target areas; i) an area to the north/northwest of the Central Zone that has not been adequately drill tested by previous drilling where mineralization to date has been open in this direction, and ii) an IP-chargeability, magnetic and geochemical target in the central part of the property 15 km south of the main resource, referred to as a 'regional target'.

North of Central Zone Target

This target area to the north and northwest of the Central Zone was defined in 2012 by revision of the existing drill sections as an area that has to date not been drill tested with a potential to host a significant portion of the resource. The three holes drilled in 2012, K-174, K-175 and K-176 tested 450 meters of N-S strike length.

Drill holes K-174 and K-175 were planned to test for mineralization to the west of the deposit area on drill sections from 575N to 600N in an area with no previous drilling, targeting the lateral extent to the intercepts drilled in holes K-100 and K-101. These holes had drilled quartz stockworked monzonite with strong potassic alteration and mineralized intervals that included 0.39% Cu, 0.63 g/t Au over 32 m and 0.37% Cu, 0.62 g/t Au over 12 m.

This drilling was also planned to test a strong chargeability high located to the west and northwest of the area on IP sections 1250N and 1000N, associated with drill-tested pyritic andesites, thought to form part of an upper sulphide-rich lithocap to mineralization at depth.

K-174 was planned as a 200 m step-out hole from K-101. The hole intersected diorite intrusives and a series of andesitic volcanics intruded by monzonite dikes. Mineralization is broadly consistent downhole and is hosted primarily in potassic to strongly propylitic altered andesite and diorite with example grades returning 25.2 m at 0.15% Cu and 0.24 g/t Au (83.3 – 108.5 m) and 38 m of 0.16% Cu and 0.1g/t Au (383 – 421 m). Refer to Appendix D for a complete list of analytical results.

K-175 was planned as a 100m step-out from K-100. The hole intersected diorite-microdiorite intrusives with monzonite dikes. Mineralization is hosted in strongly potassic to QSP alteration that increases downhole. Example grades include 159.7 m of 0.13 % Cu and 0.15 g/t Au (290.5 – 450.2 m) including 10 m of 0.29 % Cu and 0.31 g/t Au. Refer to Appendix D for a complete list of analytical results.

Drill hole K-176 was drilled to test a 250 m wide area on drill section 1050N between hole K-69 which is mineralized and K-98/K-70 though an area interpreted to be a lithological contact zone. This target also tested an IP chargeability high on IP section 1500N through the center of the anomaly. The hole intersected sericite-clay-carbonate altered conglomerate at the top of the hole and potassic altered monzonite to monzodiorite which is host to the

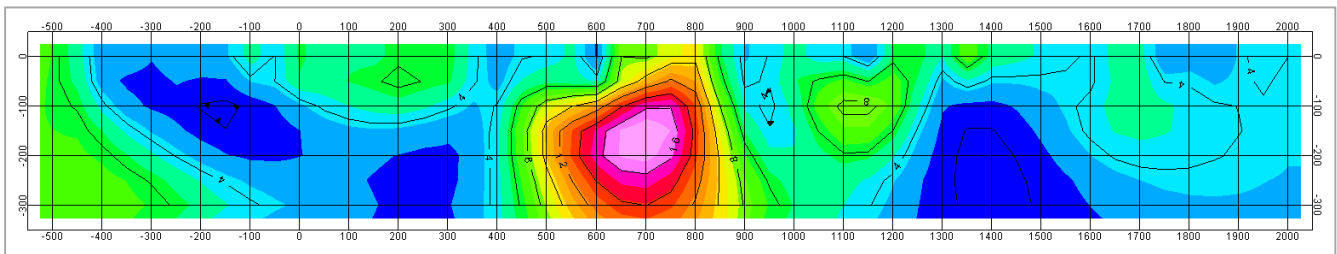
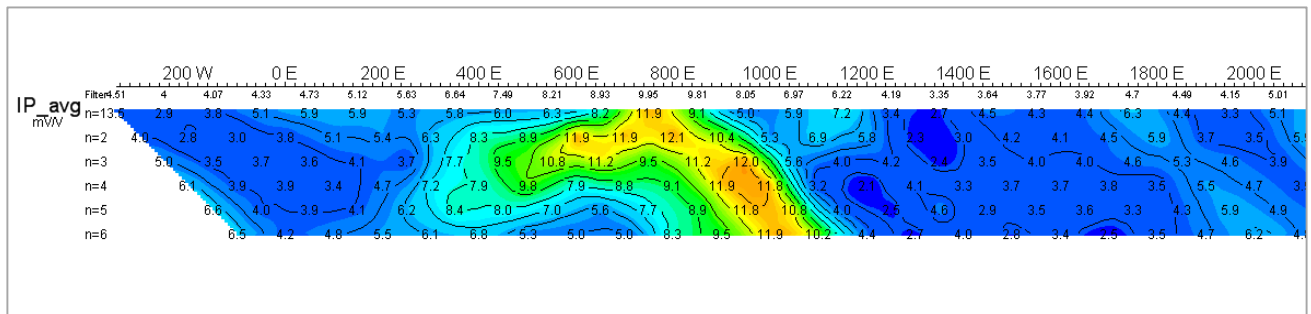
mineralization. This hole also contained numerous hydrothermal breccias, which are also host to mineralization. Example grades from this hole include 79.8 m of 0.1 % Cu (218 – 297.8 m) including 10 m of 0.33 % Cu and 0.19 g/t Au.

All three 2012 drill holes encountered base and precious metal mineralization with the best intercept grading 0.13% Cu, 0.15 g/t Au over 159.7m in drill hole K-175 with several narrower intervals of better grade mineralization and all three holes bottomed in mineralization indicating that the system is likely to be open at depth. Refer to Appendix Appendix D for a complete list of assay results.

South Kwanika IP Chargeability-Mag Anomaly Target

Drill hole KS-12-07 was drilled in the central portion of the property, 15 km south of the main deposit area, to test a NW trending magnetic feature coincident with a 10-12 mV/V chargeability target on IP line L140N, 700E interpreted to lie at 150 m depth. The target area was also characterized by a cluster of anomalous gold Ah soil samples.

The hole intersected a series of gabbroic mafic intrusive units (sills) within interbedded sandstones and silts containing pyrite and graphite seams but did not encounter significant mineralization. The combination of these lithologies likely explains the targeted geophysical response and no further drilling is warranted.



L140N Chargeability Pseudosection: (above) and Inversion (below) approximately aligned

(9) Summary and Recommendations

The 2012 drill program tested two exploration targets in the vicinity of the Central Zone deposit, intersecting significant results that are encouraging for the existence of additional resource tonnes in the vicinity of the current resource. While the mineralization encountered in the 2012 drilling is not economic it is deemed to be peripheral with regards to the targeted resource potential and Serengeti believes that the mineralization remains open at depth and to the northwest beyond the extent of the current known resource. This target area has not yet been tested by drilling.

The geophysical target tested in the south of the property failed to identify significant mineralization. However, the geology in this area is not well defined given the amount of overburden thickness that exists and warrants further geological investigation to explain the geochemical anomalies identified.

Several exploration targets remain in and around the deposit area as well as regionally within the Kwanika property. It is therefore recommended to continue to develop and drill test targets on the Kwanika property including some significant untested Ah soil anomalies in the vicinity of the resource area. The discovery of additional mineral resources has the potential to add important and material incremental tonnes to the project and impact on the project's economic viability.

(10) References

- Garnett, J. A., (1978): Geology and Mineral Occurrences of the Southern Hogem Batholith. Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Bulletin 70, 75 pp.
- Garnett, J. A. (1972): Boom and Frankie (Kwanika), British Columbia Department of Mines, Energy and Petroleum Resources, Geology, Exploration and Mining, pp. 440-447.
- Samson, H.(2012): 2011 Drilling Assessment Report on the Kwanika Property; British Columbia Ministry of Energy and Mines Assessment Report #33334.
- Rennie, D.W., and Scott, K. (2009): Technical Report on the Kwanika Project, Fort St. James, British Columbia: Scott Wilson, RPA.
- Rennie, D.W. (2010): Technical Report on the Kwanika Project, Fort St. James, British Columbia: Scott Wilson, RPA.
- Rennie, D.W. (2011): Technical Report on the Kwanika Project, Fort St. James, British Columbia: Scott Wilson, RPA.

Appendix A – Expenditure Statement

2012 Kwanika Program Cost Statement

Kwanika Property Expenditures - 2012 Drilling & IP Program

Dates: 10 July to 13 July 2012 (IP)
 16 August to 2 September 2012 (Drilling)
Claims Worked: 514432, 501733, 546498

Category	Details	Units	Rate	Total
Camp Costs	Groceries, Camp Set Up, Expediting, Logistics Contractor			\$ 26,458.11
Communications	Includes internet bills and installation, 8 handheld radio and sat phone rentals			\$ 5,273.00
Geologist Mob/De-Mob	Flights from Prince George to Vancouver and back. Meals and Accomodation			\$ 2,852.38
Drilling	1,473.7 m of diamond drilling; rate includes contract costs, consumables, and crew mob/de-mob	1,473.70	\$ 139.33	\$ 205,329.33
Sample Analysis	Core Samples - 607 samples @ \$30/sample	607.00	\$ 30.81	\$ 18,699.00
Sampling	Sample transport, sampling equipment, core cutting			\$ 13,420.00
Geophysics	IP Survey (all inclusive) 3km Line			\$ 45,297.00
	Geophysical Consulting			\$ 8,400.00
Line Cutting	3km Line cutting			\$ 360.00
Environmental assessment	Pre-drilling water sampling & Drilling Environmental Monitoring			\$ 8,020.35
Equipment Rental	320 Excavator, Low-Bed, and Core saw rental, Trailer			\$ 22,900.00
Equipment Purchase				\$ 234.00
Field Supplies	Core Logging , Core Cutting, and General Field Supplies			\$ 178.00
Freight	Shipping Core Samples to Acme Labs Vancouver			\$ 1,884.03
Fuel	Diesel Fuel for Camp, Jet Fuel, Gas			\$ 17,814.00
General Labour	5 Employees, 39man days @\$250 per day average incl EI, CPP	39.00	\$ 250.00	\$ 9,779.00
	Emergency Transport Vehicle Rental	15.00	\$ 165.00	\$ 2,898.00
Geological Labour	Senior Project Geologist - 45 days (incl. office)	45.00	\$ 450.00	\$ 20,000.00
	Management Team - 40 man days	40.00	\$ 450.00	\$ 18,219.00
	Junior Geologist - 2 employees, 13 man days	13.00	\$ 250.00	\$ 3,240.00
Vehicles	Lease 1 pick up truck for 1 month, Quad, Truck rental			\$ 6,986.49
Helicopter	1 Drillhole helicopter supported			\$ 35,546.34
Sub-Total Expenditure:				\$ 431,255.20
Admin (10%)				\$ 43,125.52
Total Property Expenditures				\$ 474,380.72

Appendix B – Geologist's Certificate

GEOLOGIST`S CERTIFICATE

I, Hilary C. Clarke of #1331 West Georgia Street, Vancouver, in the province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am Serengeti Resources Inc.'s Senior Project Geologist.
2. THAT I am a 2004 graduate of Trinity College Dublin with an Honours BA.
3. THAT I have practised in the field of Geosciences since my graduation from University.
4. THAT this report is based on fieldwork carried out on July 10th to 2nd September, 2012, by Hilary Clarke and staff of Serengeti Resources Inc.
5. THAT this report was written by myself under the supervision and direction of David W. Moore, President and CEO of Serengeti Resources Inc. and a Professional Geoscientist (P. Geo) registered and in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (#28163).

DATED at Vancouver, British Columbia this 10th day of May, 2013.

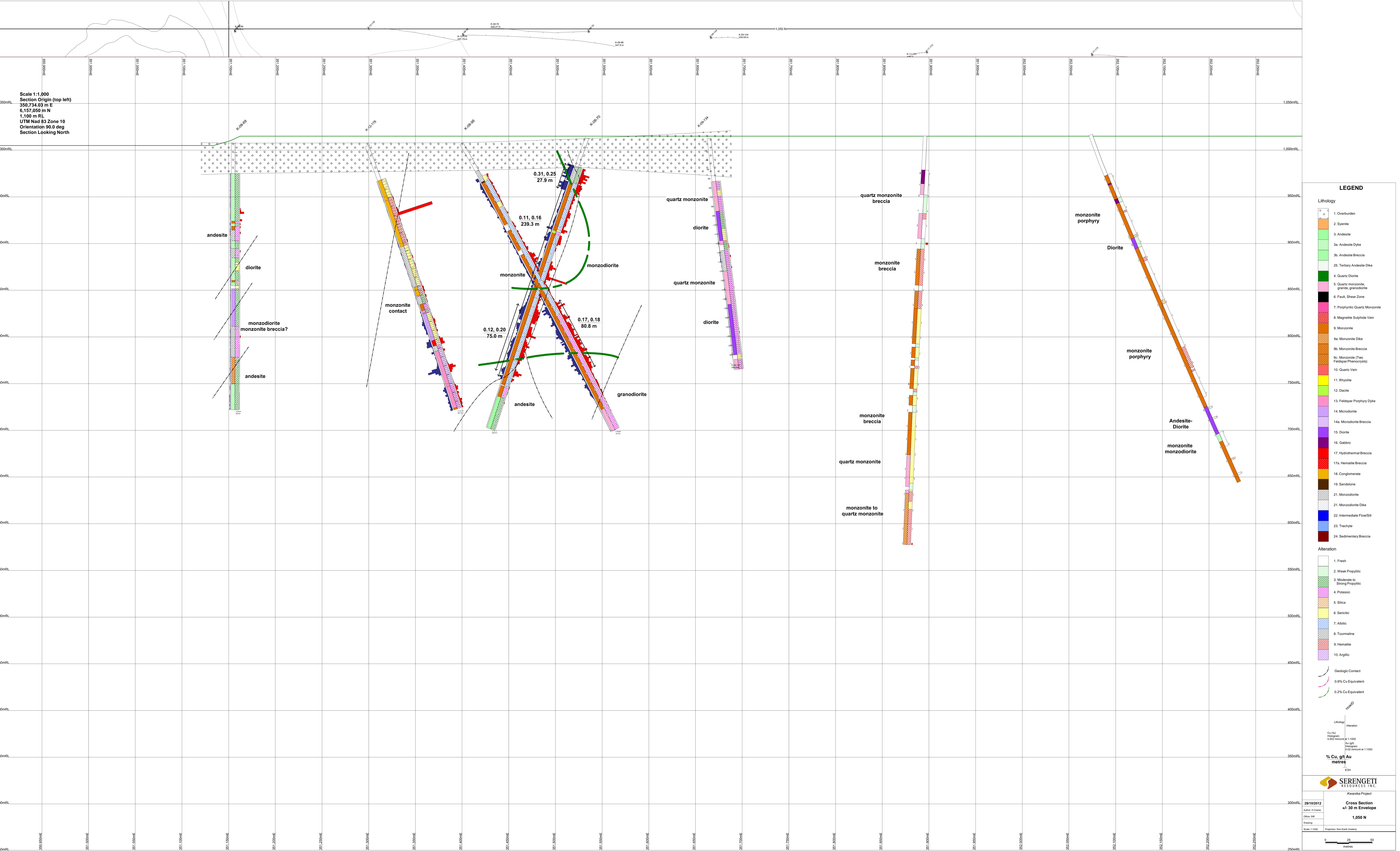
Hilary C. Clarke, B.A. (Hons.)



David W. Moore, P. Geo



Appendix C – Drill Sections



Scale 1:1,000
 Section Origin (top left)
 350,734.03 m E
 6,157,050 m N
 1,100 m RL
 UTM Nad 83 Zone 10
 Orientation 90.0 deg
 Section Looking North

LEGEND

Lithology

- 1. Overburden
- 2. Syenite
- 3. Andesite
- 3a. Andesite Dyke
- 3b. Andesite Breccia
- 25. Tertiary Andesite Dike
- 4. Quartz Diorite
- 5. Quartz monzonite, granite, granodiorite
- 6. Fault, Shear Zone
- 7. Propylitic Quartz Monzonite
- 8. Magnetite Sulphide Vein
- 9. Monzonite
- 9a. Monzonite Dike
- 9b. Monzonite Breccia
- 9c. Monzonite (Two Feldspar Phenocrysts)
- 10. Quartz Vein
- 11. Rhyolite
- 12. Dacite
- 13. Feldspar Porphyry Dyke
- 14. Microdiorite
- 14a. Microdiorite Breccia
- 16. Gabbro
- 17. Hydrothermal Breccia
- 17a. Hematite Breccia
- 18. Conglomerate
- 19. Sandstone
- 21. Monzodiorite
- 21. Monzodiorite Dike
- 22. Intermediate Flow/Sill
- 23. Trachyte
- 24. Sedimentary Breccia

Alteration

- 1. Fresh
- 2. Weak Propylitic
- 3. Moderate to Strong Propylitic
- 4. Potassic
- 5. Silica
- 6. Sericitic
- 7. Albitic
- 8. Tourmaline
- 9. Hematite
- 10. Angitic

Geologic Contact
 0.6% Cu Equivalent
 0.2% Cu Equivalent

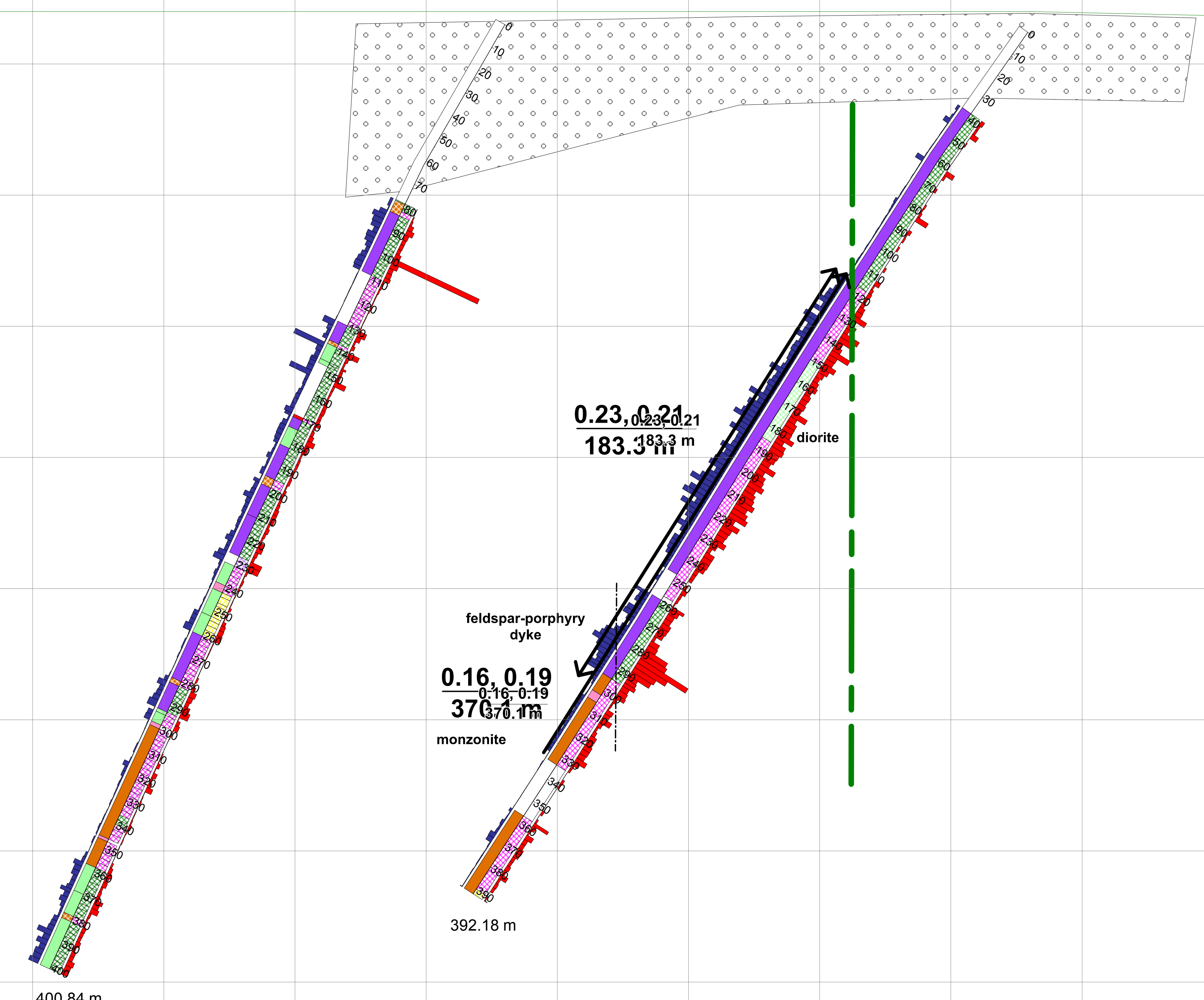
Legend
 Lithology
 Alteration

Cu/Pb Program
 0.02 metres at 1:1000
 Au/Ag Program
 0.02 metres at 1:1000

% Cu, g/t Au metres
 ECH

1000

Scale 1:1,000
Section Origin (top left)
UTM Nad 83 Zone 10
Orientation 90.0 deg
Section Looking North



0.23, 0.21
183.3 m

feldspar-porphyrty
dyke
0.16, 0.19
376.7 m
monzonite

392.18 m

400.84 m

LEGEND

Lithology

- 1. Overburden
- 2. Syenite
- 3. Andesite
- 3a. Andesite Dyke
- 3b. Andesite Breccia
- 25. Tertiary Andesite Dyke
- 4. Quartz Diorite
- 5. Quartz monzonite, granite, granodiorite
- 6. Fault, Shear Zone
- 7. Porphyritic Quartz Monzonite
- 8. Magnetite Sulphide Vein
- 9. Monzonite
- 9a. Monzonite Dyke
- 9b. Monzonite Breccia
- 9c. Monzonite (Two Feldspar Phenocrysts)
- 10. Quartz Vein
- 11. Rhyolite
- 12. Dacite
- 13. Feldspar Porphyry Dyke
- 14. Microdiorite
- 14a. Microdiorite Breccia
- 15. Diorite
- 16. Gabbro
- 17. Hydrothermal Breccia
- 17a. Hematite Breccia
- 18. Conglomerate
- 19. Sandstone
- 21. Monzodiorite
- 21. Monzodiorite Dyke
- 22. Intermediate Flow/Sill
- 23. Trachyte
- 24. Sedimentary Breccia

Alteration

- 1. Fresh
- 2. Weak Propylitic
- 3. Moderate to Strong Propylitic
- 4. Potassic
- 5. Silica
- 6. Sericitic
- 7. Albitic
- 8. Tourmaline
- 9. Hematite
- 10. Argillic

Geologic Contact
0.6% Cu Equivalent
0.2% Cu Equivalent

Walled

Lithology
Alteration

Cu, g/t
Histogram
0.02 metres at 1:1000
Au, g/t
Histogram
0.02 metres at 1:1000

% Cu, g/t Au
metres
ECH

SERENGETI RESOURCES INC.

Kwanka Project

85042013

Author: _____

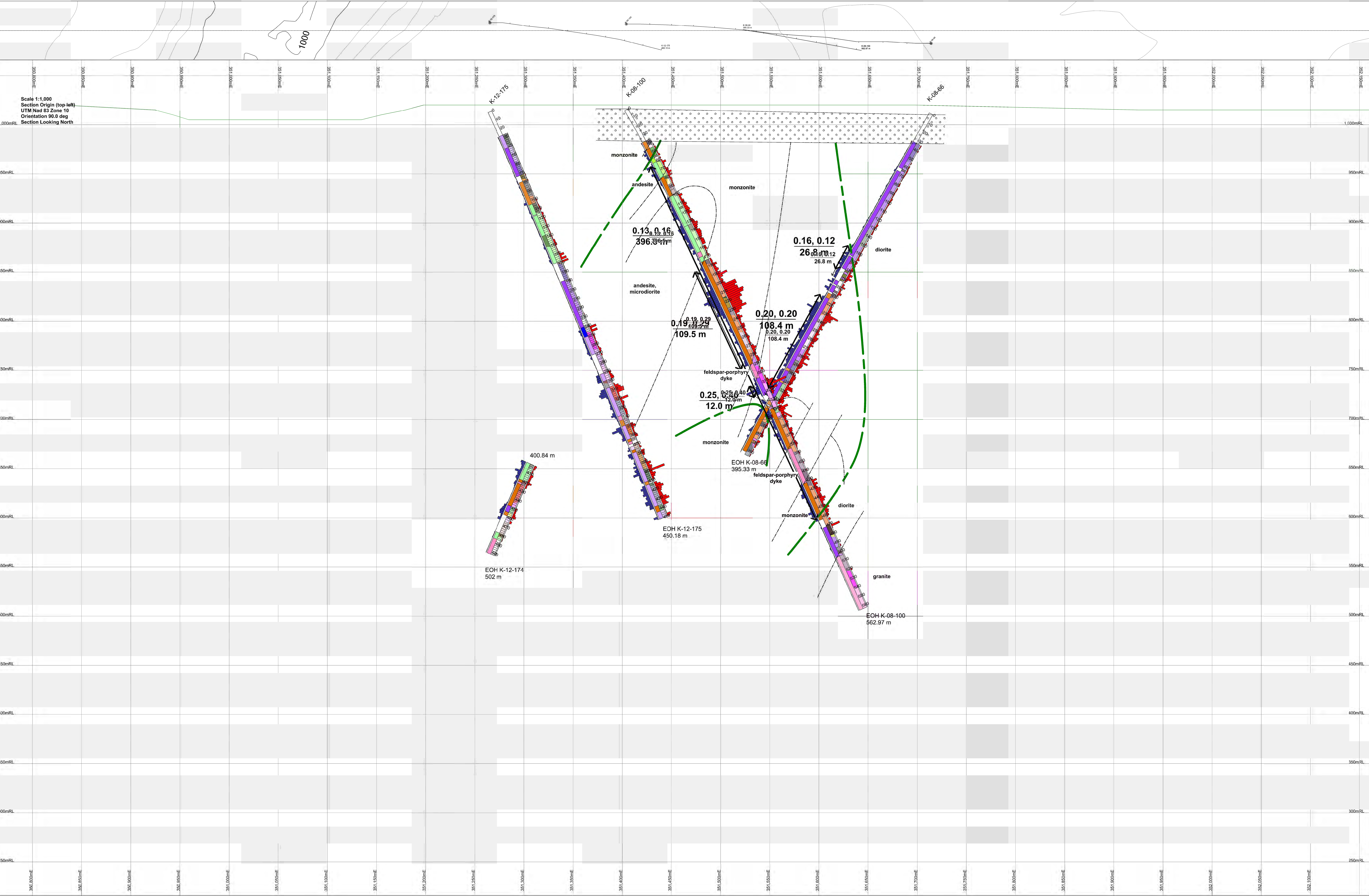
Checked: _____

Drawing: _____

Scale: 1:1000 Projection: Non-Earth (metres)

Cross Section #1: 25 m Envelope 600 N

0 25 50 metres



Scale 1:1,000
 Section Origin (top left)
 UTM Nad 83 Zone 10
 Orientation 90.0 deg
 Section Looking North

LEGEND

Lithology

- 1 Overburden
- 2 Syenite
- 3 Andesite
- 3a Andesite Dyke
- 3b Andesite Breccia
- 25 Tertiary Andesite Dyke
- 4 Quartz Diorite
- 5 Quartz monzonite, granite, granodiorite
- 6 Fault, Shear Zone
- 7 Porphyritic Quartz Monzonite
- 8 Magnetite Sulphide Vein
- 9 Monzonite
- 9a Monzonite Dyke
- 9b Monzonite Breccia
- 9c Monzonite (Two Feldspar Phenocrysts)
- 10 Quartz Vein
- 11 Rhyolite
- 12 Decite
- 13 Feldspar Porphyry Dyke
- 14 Microdiorite
- 14a Microdiorite Breccia
- 15 Diorite
- 16 Gabbro
- 17 Hydrothermal Breccia
- 17a Hematite Breccia
- 18 Conglomerate
- 19 Sandstone
- 21 Monzodiorite
- 21 Monzodiorite Dyke
- 22 Intermediate Flow/Sill
- 23 Trachyte
- 24 Sedimentary Breccia

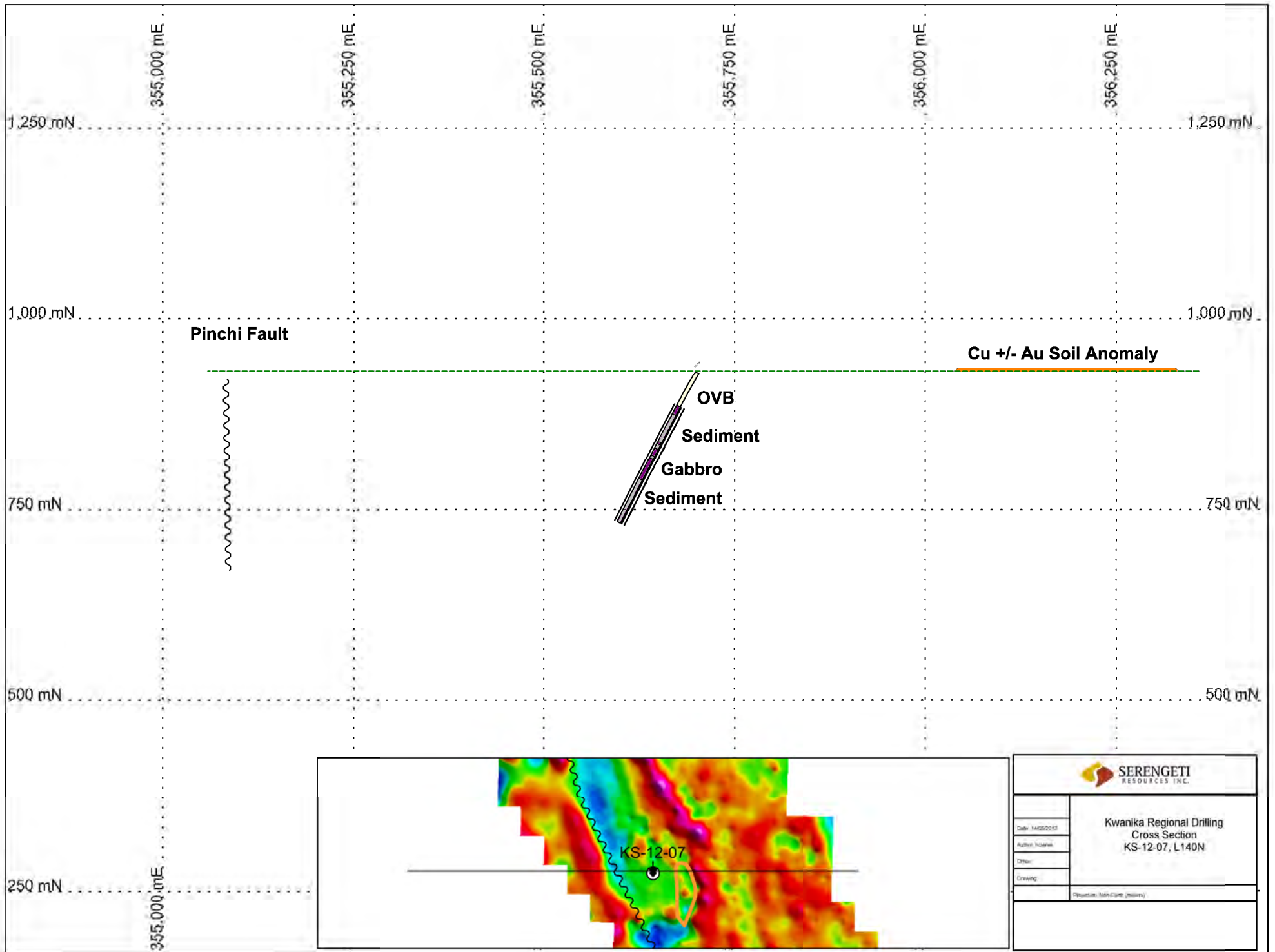
Alteration

- 1 Fresh
- 2 Weak Propylitic
- 3 Moderate to Strong Propylitic
- 4 Potassic
- 5 Silica
- 6 Sericitic
- 7 Albitic
- 8 Tourmaline
- 9 Hematite
- 10 Argillic

Geologic Contact
 0.6% Cu Equivalent
 0.2% Cu Equivalent

Legend
 Lithology
 Alteration
 Cu, g/t
 Histogram
 0.02 interval at 1:1000
 Au, g/t
 Histogram
 0.02 interval at 1:1000
 % Cu, g/t Au
 metres
 EOH

SERENGETI RESOURCES INC.
 Kwana Project
 88042913
 Cross Section
 +/- 50 m Envelope
 675 N
 Scale: 1:1000 Projection: UTM Earth (metres)



Date: 14/02/2013
 Author: [blank]
 Title: [blank]
 Drawing: [blank]

Kwanika Regional Drilling
 Cross Section
 KS-12-07, L140N

Project: [blank] (meters)

Appendix D – Drill Collar and Assay Database

2012 Drill Hole Location, Azimuth, Dip and Total Depth

HoleID	Easting (NAD83 Zone10)	Northing (NAD83 Zone10)	Elevation (m)	Azimuth	Dip	Total Depth	Year	Collar Labels
K-12-175	351267.00	6156683.00	1014.00	90	-65	450.18	2012	K-175
K-12-174	351480.00	6156600.00	1015.00	270	-60	502.00	2012	K-174
K-12-176	351300.00	6157050.00	1005.00	90	-70	297.79	2012	K-176
KS-12-07	355700.00	6142970.00	930.00	260	-60	221.58	2012	KS-07

2012 Kwanika Project Drilling Assay Results
Serengeti Resources Inc.

HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-174	78.27	81.50	536.0	5	0.000	0.054	0.000	0.3	40	1963355	SMI12000326
K-12-174	81.50	83.30	168.0	23	0.000	0.017	0.000	0.1	26	1963356	SMI12000326
K-12-174	83.30	85.00	1460.7	39	0.000	0.146	0.000	0.6	65	1963357	SMI12000326
K-12-174	85.00	87.00	2447.3	93	0.001	0.260	0.000	1.1	67	1963358	SMI12000326
K-12-174	87.00	89.00	1973.2	146	0.002	0.197	0.159	0.8	82	1963359	SMI12000326
K-12-174	89.00	91.00	1801.1	86	0.002	0.180	0.000	0.8	85	1963361	SMI12000326
K-12-174	91.00	93.00	992.5	74	0.002	0.099	0.000	0.6	82	1963362	SMI12000326
K-12-174	93.00	95.00	1829.6	74	0.002	0.183	0.000	0.9	88	1963363	SMI12000326
K-12-174	95.00	97.00	1679.3	67	0.001	0.168	0.000	1.6	90	1963364	SMI12000326
K-12-174	97.00	99.00	1110.8	111	0.002	0.111	0.089	0.9	107	1963365	SMI12000326
K-12-174	99.00	101.00	723.7	1807	0.001	0.072	1.965	2	98	1963366	SMI12000326
K-12-174	101.00	103.00	1142.3	152	0.003	0.114	0.160	0.8	101	1963367	SMI12000326
K-12-174	103.00	105.00	1421.1	92	0.002	0.142	0.000	0.9	89	1963368	SMI12000326
K-12-174	105.00	107.00	1564.4	102	0.001	0.156	0.093	0.9	100	1963369	SMI12000326
K-12-174	107.00	108.45	1404.7	123	0.001	0.140	0.107	0.9	94	1963370	SMI12000326
K-12-174	108.45	110.00	68.5	25	0.000	0.007	0.000	0.1	67	1963371	SMI12000326
K-12-174	110.00	112.00	119.5	38	0.000	0.012	0.000	0.2	61	1963372	SMI12000326
K-12-174	112.00	114.00	101.9	27	0.000	0.010	0.000	0.2	57	1963373	SMI12000326
K-12-174	114.00	116.00	72.6	16	0.000	0.007	0.000	0.1	50	1963374	SMI12000326
K-12-174	116.00	118.00	94.6	16	0.000	0.009	0.000	0.1	59	1963376	SMI12000326
K-12-174	118.00	120.00	63.4	18	0.000	0.006	0.000	0.05	55	1963377	SMI12000326
K-12-174	120.00	122.00	83.9	23	0.000	0.008	0.000	0.05	47	1963378	SMI12000326
K-12-174	122.00	124.00	38.9	9	0.000	0.004	0.000	0.05	50	1963379	SMI12000326
K-12-174	124.00	126.00	43.3	12	0.000	0.004	0.000	0.05	52	1963380	SMI12000326
K-12-174	126.00	128.00	48.2	9	0.000	0.005	0.000	0.05	48	1963381	SMI12000326
K-12-174	128.00	129.72	103.3	15	0.000	0.010	0.000	0.05	53	1963382	SMI12000326
K-12-174	129.72	132.00	2259.2	161	0.000	0.252	0.184	1.5	70	1963383	SMI12000326
K-12-174	132.00	134.00	974.4	96	0.000	0.097	0.000	0.6	64	1963384	SMI12000326
K-12-174	134.00	136.00	643.9	34	0.000	0.064	0.000	0.4	65	1963385	SMI12000326
K-12-174	136.00	137.60	944.7	65	0.001	0.094	0.000	0.6	84	1963386	SMI12000326
K-12-174	137.60	139.06	155.5	18	0.000	0.016	0.000	0.1	52	1963387	SMI12000326
K-12-174	139.06	141.00	6196.3	225	0.006	0.658	0.228	2.8	65	1963388	SMI12000326
K-12-174	141.00	143.00	1142.5	58	0.001	0.114	0.000	0.6	146	1963389	SMI12000326
K-12-174	143.00	145.45	907.8	33	0.001	0.091	0.000	0.5	163	1963391	SMI12000326
K-12-174	145.45	146.20	1263.9	99	0.000	0.126	0.000	1.1	565	1963392	SMI12000326
K-12-174	146.20	147.20	1316.8	53	0.002	0.132	0.000	1	231	1963393	SMI12000326
K-12-174	147.20	149.00	1229.0	62	0.000	0.123	0.000	1	474	1963394	SMI12000326
K-12-174	149.00	151.00	1205.1	64	0.001	0.121	0.000	0.8	265	1963395	SMI12000326
K-12-174	151.00	153.00	4292.4	228	0.003	0.440	0.255	2.4	267	1963396	SMI12000326
K-12-174	153.00	155.00	603.0	41	0.000	0.060	0.000	0.5	199	1963397	SMI12000326
K-12-174	155.00	157.00	594.0	36	0.000	0.059	0.000	0.5	195	1963398	SMI12000326
K-12-174	157.00	159.00	421.0	29	0.000	0.042	0.000	0.3	152	1963399	SMI12000326
K-12-174	159.00	161.00	711.0	49	0.000	0.071	0.000	0.6	183	1963400	SMI12000326
K-12-174	161.00	163.00	849.2	68	0.000	0.085	0.000	0.7	252	1963401	SMI12000326
K-12-174	163.00	165.00	850.5	75	0.000	0.085	0.000	0.7	230	1963402	SMI12000326
K-12-174	165.00	167.00	819.2	61	0.000	0.082	0.000	0.7	273	1963403	SMI12000326
K-12-174	167.00	168.90	1600.4	64	0.000	0.160	0.000	1	177	1963404	SMI12000326
K-12-174	168.90	170.00	1288.4	108	0.004	0.129	0.111	1.2	121	1963405	SMI12000326
K-12-174	170.00	172.00	311.0	34	0.000	0.031	0.000	0.3	170	1963407	SMI12000326
K-12-174	172.00	174.00	986.7	59	0.001	0.099	0.000	0.7	172	1963408	SMI12000326
K-12-174	174.00	176.00	1158.1	91	0.001	0.116	0.000	1.1	237	1963409	SMI12000326
K-12-174	176.00	178.00	1169.9	159	0.000	0.117	0.177	1	226	1963410	SMI12000326
K-12-174	178.00	180.00	1075.2	86	0.001	0.108	0.000	0.9	204	1963411	SMI12000326
K-12-174	180.00	181.60	905.9	88	0.001	0.091	0.000	1.4	225	1963412	SMI12000326
K-12-174	181.60	184.00	340.1	30	0.000	0.034	0.000	0.3	111	1963413	SMI12000326
K-12-174	184.00	186.00	426.4	46	0.001	0.043	0.000	0.4	180	1963414	SMI12000326
K-12-174	186.00	188.00	912.0	48	0.000	0.091	0.000	0.7	172	1963415	SMI12000326
K-12-174	188.00	190.00	412.9	33	0.000	0.041	0.000	0.4	170	1963416	SMI12000326
K-12-174	190.00	192.00	352.3	35	0.000	0.035	0.000	0.3	102	1963417	SMI12000326
K-12-174	192.00	194.80	731.0	50	0.000	0.073	0.000	0.6	143	1963418	SMI12000326

2012 Kwanika Project Drilling Assay Results
Serengeti Resources Inc.

HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-174	194.80	197.00	149.1	25	0.000	0.015	0.000	0.05	87	1963419	SMI12000326
K-12-174	197.00	198.30	1235.8	54	0.000	0.124	0.000	0.6	97	1963421	SMI12000326
K-12-174	198.30	201.00	752.1	38	0.000	0.075	0.000	0.5	110	1963422	SMI12000326
K-12-174	201.00	203.00	874.1	46	0.000	0.087	0.000	0.5	113	1963423	SMI12000326
K-12-174	203.00	205.00	1786.2	59	0.002	0.179	0.000	0.9	89	1963424	SMI12000326
K-12-174	205.00	207.00	916.0	82	0.001	0.092	0.000	0.7	106	1963425	SMI12000326
K-12-174	207.00	208.85	732.2	84	0.002	0.073	0.000	0.6	140	1963426	SMI12000326
K-12-174	208.85	211.00	762.9	85	0.001	0.076	0.000	0.6	114	1963427	SMI12000326
K-12-174	211.00	213.00	528.1	42	0.000	0.053	0.000	0.4	95	1963428	SMI12000326
K-12-174	213.00	215.00	681.9	69	0.001	0.068	0.000	0.5	102	1963429	SMI12000326
K-12-174	215.00	217.00	589.0	49	0.001	0.059	0.000	0.4	107	1963430	SMI12000326
K-12-174	217.00	219.00	416.2	34	0.000	0.042	0.000	0.3	83	1963431	SMI12000326
K-12-174	219.00	221.00	965.4	100	0.002	0.097	0.000	1	83	1963432	SMI12000326
K-12-174	221.00	223.00	1393.9	117	0.006	0.139	0.109	0.9	79	1963433	SMI12000326
K-12-174	223.00	225.00	714.7	66	0.000	0.071	0.000	0.4	78	1963434	SMI12000326
K-12-174	225.00	227.10	696.9	50	0.002	0.070	0.000	0.4	107	1963436	SMI12000326
K-12-174	227.10	229.00	1608.3	234	0.004	0.161	0.221	1.8	67	1963437	SMI12000326
K-12-174	229.00	231.20	2055.2	228	0.004	0.206	0.199	1.8	75	1963438	SMI12000326
K-12-174	231.20	233.00	508.7	38	0.004	0.051	0.000	0.6	152	1963439	SMI12000326
K-12-174	233.00	235.00	310.6	16	0.002	0.031	0.000	0.6	203	1963440	SMI12000326
K-12-174	235.00	237.00	580.2	39	0.002	0.058	0.000	0.7	154	1963441	SMI12000326
K-12-174	237.00	239.50	374.0	27	0.002	0.037	0.000	0.5	164	1963442	SMI12000326
K-12-174	239.50	241.00	158.1	9	0.000	0.016	0.000	0.1	81	1963443	SMI12000326
K-12-174	241.00	242.40	221.0	16	0.000	0.022	0.000	0.05	75	1963444	SMI12000326
K-12-174	242.40	244.00	139.8	8	0.000	0.014	0.000	0.1	74	1963445	SMI12000326
K-12-174	244.00	246.60	140.6	13	0.000	0.014	0.000	0.1	83	1963446	SMI12000326
K-12-174	246.60	248.00	239.4	46	0.001	0.024	0.000	0.3	88	1963447	SMI12000326
K-12-174	248.00	250.00	143.5	19	0.000	0.014	0.000	0.1	95	1963448	SMI12000326
K-12-174	250.00	252.40	235.2	16	0.000	0.024	0.000	0.2	97	1963449	SMI12000326
K-12-174	252.40	254.00	972.2	69	0.002	0.097	0.000	1	132	1963451	SMI12000326
K-12-174	254.00	256.00	977.1	93	0.001	0.098	0.000	0.9	117	1963452	SMI12000326
K-12-174	256.00	258.00	971.6	100	0.001	0.097	0.000	0.8	149	1963453	SMI12000326
K-12-174	258.00	260.70	1536.3	111	0.001	0.154	0.114	1	101	1963454	SMI12000326
K-12-174	260.70	262.00	149.8	15	0.000	0.015	0.000	0.1	50	1963455	SMI12000326
K-12-174	262.00	264.00	84.9	14	0.000	0.008	0.000	0.1	59	1963456	SMI12000326
K-12-174	264.00	266.00	251.7	15	0.000	0.025	0.000	0.2	55	1963457	SMI12000326
K-12-174	266.00	268.00	246.6	15	0.000	0.025	0.000	0.2	59	1963458	SMI12000326
K-12-174	268.00	270.00	126.2	9	0.000	0.013	0.000	0.1	54	1963459	SMI12000326
K-12-174	270.00	272.00	184.8	5	0.000	0.018	0.000	0.2	49	1963460	SMI12000326
K-12-174	272.00	274.00	84.3	6	0.000	0.008	0.000	0.05	61	1963461	SMI12000326
K-12-174	274.00	276.00	51.0	7	0.000	0.005	0.000	0.05	57	1963462	SMI12000326
K-12-174	276.00	278.00	59.0	34	0.000	0.006	0.000	0.05	54	1963463	SMI12000326
K-12-174	278.00	279.90	157.1	14	0.000	0.016	0.000	0.1	51	1963464	SMI12000326
K-12-174	279.90	281.85	708.1	63	0.001	0.071	0.000	0.7	60	1963465	SMI12000326
K-12-174	281.85	284.00	1638.9	123	0.002	0.164	0.124	1.2	110	1963467	SMI12000326
K-12-174	284.00	286.00	912.1	98	0.001	0.091	0.000	0.8	133	1963468	SMI12000326
K-12-174	286.00	288.00	1029.5	73	0.002	0.103	0.000	1.1	141	1963469	SMI12000326
K-12-174	288.00	290.00	1268.0	128	0.002	0.127	0.164	1.1	93	1963470	SMI12000326
K-12-174	290.00	292.75	1733.7	172	0.002	0.173	0.129	1.6	97	1963471	SMI12000326
K-12-174	292.75	294.10	86.2	13	0.000	0.009	0.000	0.05	132	1963472	SMI12000326
K-12-174	294.10	296.00	1004.8	65	0.002	0.100	0.000	0.8	94	1963473	SMI12000326
K-12-174	296.00	298.20	1108.6	91	0.003	0.111	0.000	1	97	1963474	SMI12000326
K-12-174	298.20	299.80	139.0	11	0.000	0.014	0.000	0.1	62	1963475	SMI12000326
K-12-174	299.80	302.00	99.9	14	0.000	0.010	0.000	0.1	60	1963476	SMI12000326
K-12-174	302.00	304.00	60.3	3	0.000	0.006	0.000	0.05	58	1963477	SMI12000326
K-12-174	304.00	306.00	55.3	1	0.000	0.006	0.000	0.05	49	1963478	SMI12000326
K-12-174	306.00	308.00	51.3	3	0.000	0.005	0.000	0.05	49	1963479	SMI12000326
K-12-174	308.00	310.00	225.6	21	0.000	0.023	0.000	0.2	39	1963481	SMI12000326
K-12-174	310.00	312.00	231.4	14	0.000	0.023	0.000	0.1	44	1963482	SMI12000326
K-12-174	312.00	314.00	49.7	59	0.000	0.005	0.000	0.1	39	1963483	SMI12000326

2012 Kwanika Project Drilling Assay Results
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HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-174	314.00	316.00	166.6	15	0.000	0.017	0.000	0.1	43	1963484	SMI12000326
K-12-174	316.00	318.00	1064.1	83	0.002	0.106	0.000	0.7	62	1963485	SMI12000326
K-12-174	318.00	320.00	516.7	40	0.002	0.052	0.000	0.4	43	1963486	SMI12000326
K-12-174	320.00	322.00	536.4	67	0.001	0.054	0.000	0.4	55	1963487	SMI12000326
K-12-174	322.00	324.00	205.2	126	0.000	0.021	0.086	0.1	39	1963488	SMI12000326
K-12-174	324.00	326.00	279.9	8	0.000	0.028	0.000	0.05	35	1963489	SMI12000326
K-12-174	326.00	328.00	173.2	16	0.000	0.017	0.000	0.1	56	1963490	SMI12000326
K-12-174	328.00	330.00	163.2	25	0.000	0.016	0.000	0.1	56	1963491	SMI12000326
K-12-174	330.00	332.00	92.2	6	0.000	0.009	0.000	0.05	67	1963492	SMI12000326
K-12-174	332.00	334.00	183.2	15	0.000	0.018	0.000	0.1	59	1963493	SMI12000326
K-12-174	334.00	336.00	50.8	14	0.000	0.005	0.000	0.05	45	1963494	SMI12000326
K-12-174	336.00	338.00	102.6	24	0.000	0.010	0.000	0.05	73	1963496	SMI12000326
K-12-174	338.00	340.00	163.5	50	0.002	0.016	0.000	0.2	79	1963497	SMI12000326
K-12-174	340.00	342.00	127.8	18	0.000	0.013	0.000	0.1	77	1963498	SMI12000326
K-12-174	342.00	344.00	291.0	10	0.000	0.029	0.000	0.2	76	1963499	SMI12000326
K-12-174	344.00	346.20	196.1	18	0.001	0.020	0.000	0.1	69	1963500	SMI12000326
K-12-174	346.20	347.30	9.4	4	0.000	0.001	0.000	0.05	56	1963501	SMI12000326
K-12-174	347.30	350.00	246.9	11	0.001	0.025	0.000	0.2	65	1963502	SMI12000326
K-12-174	350.00	352.00	85.5	4	0.002	0.009	0.000	0.05	42	1963503	SMI12000326
K-12-174	352.00	354.00	61.9	5	0.000	0.006	0.000	0.05	51	1963504	SMI12000326
K-12-174	354.00	356.00	433.9	34	0.000	0.043	0.000	0.4	70	1963505	SMI12000326
K-12-174	356.00	358.20	572.7	69	0.001	0.057	0.000	0.3	69	1963506	SMI12000326
K-12-174	358.20	360.00	1804.2	94	0.004	0.180	0.000	1.1	125	1963507	SMI12000326
K-12-174	360.00	362.00	1377.6	74	0.003	0.138	0.000	1	207	1963508	SMI12000326
K-12-174	362.00	364.00	1361.3	87	0.004	0.136	0.000	0.9	136	1963509	SMI12000326
K-12-174	364.00	366.00	848.4	43	0.002	0.085	0.000	0.5	127	1963511	SMI12000326
K-12-174	366.00	368.00	846.3	59	0.002	0.085	0.000	0.5	98	1963512	SMI12000326
K-12-174	368.00	369.50	1172.2	69	0.002	0.117	0.000	0.7	95	1963513	SMI12000326
K-12-174	369.50	371.00	2068.9	162	0.015	0.202	0.185	1.2	60	1963514	SMI12000326
K-12-174	371.00	373.00	1049.7	121	0.003	0.105	0.156	0.8	79	1963515	SMI12000326
K-12-174	373.00	375.00	1397.8	155	0.002	0.140	0.118	0.9	81	1963516	SMI12000326
K-12-174	375.00	377.00	792.5	46	0.002	0.079	0.000	0.5	97	1963517	SMI12000326
K-12-174	377.00	378.80	429.1	33	0.003	0.043	0.000	0.2	79	1963518	SMI12000326
K-12-174	378.80	381.00	369.0	23	0.000	0.037	0.000	0.2	55	1963519	SMI12000326
K-12-174	381.00	383.00	963.8	74	0.002	0.096	0.000	0.9	135	1963520	SMI12000326
K-12-174	383.00	385.00	1062.6	68	0.002	0.106	0.000	0.7	115	1963521	SMI12000326
K-12-174	385.00	387.00	1213.9	63	0.002	0.121	0.000	0.7	126	1963522	SMI12000326
K-12-174	387.00	389.00	2835.5	93	0.003	0.289	0.000	1.7	175	1963523	SMI12000326
K-12-174	389.00	391.00	1323.3	49	0.003	0.132	0.000	0.8	174	1963524	SMI12000326
K-12-174	391.00	393.00	2128.7	83	0.002	0.212	0.000	1.1	140	1963525	SMI12000326
K-12-174	393.00	395.00	1179.8	82	0.004	0.118	0.000	0.7	184	1963527	SMI12000327
K-12-174	395.00	397.00	1664.2	140	0.003	0.166	0.148	0.9	171	1963528	SMI12000327
K-12-174	397.00	399.00	1572.6	115	0.002	0.157	0.123	0.8	105	1963529	SMI12000327
K-12-174	399.00	401.00	1949.1	110	0.003	0.195	0.118	1.3	103	1963530	SMI12000327
K-12-174	401.00	403.00	2378.9	119	0.002	0.246	0.129	1.6	109	1963531	SMI12000327
K-12-174	403.00	405.00	1716.5	97	0.002	0.172	0.000	1.3	189	1963532	SMI12000327
K-12-174	405.00	407.00	1162.4	36	0.002	0.116	0.000	0.9	168	1963533	SMI12000327
K-12-174	407.00	409.00	1001.4	60	0.003	0.100	0.000	0.5	65	1963534	SMI12000327
K-12-174	409.00	411.00	1155.1	53	0.002	0.116	0.000	0.5	79	1963535	SMI12000327
K-12-174	411.00	413.00	3289.3	148	0.003	0.334	0.147	1.6	88	1963536	SMI12000327
K-12-174	413.00	415.00	1581.2	106	0.002	0.158	0.140	0.9	76	1963537	SMI12000327
K-12-174	415.00	417.00	1247.0	100	0.002	0.125	0.000	0.9	79	1963538	SMI12000327
K-12-174	417.00	419.50	1623.7	97	0.003	0.162	0.000	1	93	1963539	SMI12000327
K-12-174	419.50	421.00	844.5	234	0.002	0.084	0.262	0.6	53	1963541	SMI12000327
K-12-174	421.00	422.20	375.0	116	0.001	0.038	0.091	0.3	42	1963542	SMI12000327
K-12-174	422.20	424.00	933.3	67	0.000	0.093	0.000	0.5	35	1963543	SMI12000327
K-12-174	424.00	426.00	1130.8	79	0.002	0.113	0.000	0.5	65	1963544	SMI12000327
K-12-174	426.00	428.00	526.8	14	0.000	0.053	0.000	0.2	45	1963545	SMI12000327
K-12-174	428.00	430.00	227.6	10	0.000	0.023	0.000	0.2	39	1963546	SMI12000327
K-12-174	430.00	432.00	155.7	10	0.000	0.016	0.000	0.2	42	1963547	SMI12000327

2012 Kwanika Project Drilling Assay Results
Serengeti Resources Inc.

HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-174	432.00	434.00	60.5	6	0.000	0.006	0.000	0.05	42	1963548	SMI12000327
K-12-174	434.00	436.00	57.6	4	0.000	0.006	0.000	0.05	42	1963549	SMI12000327
K-12-174	436.00	438.00	107.7	11	0.000	0.011	0.000	0.05	38	1963550	SMI12000327
K-12-174	438.00	440.00	74.0	7	0.000	0.007	0.000	0.05	40	1963551	SMI12000327
K-12-174	440.00	442.00	49.8	6	0.000	0.005	0.000	0.05	49	1963552	SMI12000327
K-12-174	442.00	444.00	66.6	7	0.000	0.007	0.000	0.05	42	1963553	SMI12000327
K-12-174	444.00	446.00	69.6	8	0.000	0.007	0.000	0.05	40	1963554	SMI12000327
K-12-174	446.00	448.65	385.8	13	0.000	0.039	0.000	0.1	52	1963556	SMI12000327
K-12-174	448.65	450.00	1182.6	73	0.002	0.118	0.000	0.6	79	1963557	SMI12000327
K-12-174	450.00	452.00	1163.9	70	0.002	0.116	0.000	0.7	94	1963558	SMI12000327
K-12-174	452.00	454.00	1524.8	88	0.002	0.152	0.000	1	82	1963559	SMI12000327
K-12-174	454.00	455.40	1825.2	79	0.004	0.183	0.000	0.9	70	1963560	SMI12000327
K-12-174	455.40	457.00	2143.9	128	0.004	0.212	0.148	1.2	74	1963561	SMI12000327
K-12-174	457.00	459.20	1808.6	194	0.005	0.181	0.238	1.6	74	1963562	SMI12000327
K-12-174	459.20	461.00	778.6	38	0.005	0.078	0.000	0.5	72	1963563	SMI12000327
K-12-174	461.00	463.00	612.2	18	0.002	0.061	0.000	0.5	95	1963564	SMI12000327
K-12-174	463.00	465.40	1558.2	101	0.004	0.156	0.110	1	87	1963565	SMI12000327
K-12-174	465.40	467.00	20.4	15	0.000	0.002	0.000	0.05	25	1963566	SMI12000327
K-12-174	467.00	469.00	5.7	5	0.000	0.001	0.000	0.05	40	1963567	SMI12000327
K-12-174	469.00	471.00	12.0	3	0.000	0.001	0.000	0.05	37	1963568	SMI12000327
K-12-174	471.00	473.00	3.3	4	0.000	0.000	0.000	0.05	18	1963569	SMI12000327
K-12-174	473.00	475.00	10.2	1	0.000	0.001	0.000	0.05	14	1963571	SMI12000327
K-12-174	475.00	477.00	1.4	1	0.000	0.000	0.000	0.05	12	1963572	SMI12000327
K-12-174	477.00	478.50	2.8	3	0.000	0.000	0.000	0.05	15	1963573	SMI12000327
K-12-174	478.50	480.00	207.9	6	0.000	0.021	0.000	0.2	53	1963574	SMI12000327
K-12-174	480.00	482.00	127.8	14	0.002	0.013	0.000	0.05	40	1963575	SMI12000327
K-12-174	482.00	484.00	134.2	27	0.003	0.013	0.000	0.05	31	1963576	SMI12000327
K-12-174	484.00	485.50	239.6	36	0.001	0.024	0.000	0.2	47	1963577	SMI12000327
K-12-174	485.50	488.00	18.6	2	0.000	0.002	0.000	0.05	37	1963578	SMI12000327
K-12-174	488.00	490.00	14.9	4	0.000	0.001	0.000	0.05	40	1963579	SMI12000327
K-12-174	490.00	492.00	50.6	5	0.000	0.005	0.000	0.05	39	1963580	SMI12000327
K-12-174	492.00	494.00	45.9	6	0.000	0.005	0.000	0.05	39	1963581	SMI12000327
K-12-174	494.00	496.00	52.6	5	0.000	0.005	0.000	0.05	35	1963582	SMI12000327
K-12-174	496.00	498.00	40.9	6	0.000	0.004	0.000	0.05	36	1963583	SMI12000327
K-12-174	498.00	500.00	88.0	14	0.000	0.009	0.000	0.05	36	1963584	SMI12000327
K-12-174	500.00	502.00	61.5	6	0.000	0.006	0.000	0.05	38	1963585	SMI12000327
K-12-175	27.10	29.00	244.7	13	0.001	0.024	0.000	0.5	229	1963587	SMI12000335
K-12-175	29.00	31.00	185.7	5	0.001	0.019	0.000	0.3	335	1963588	SMI12000335
K-12-175	31.00	33.00	166.7	6	0.003	0.017	0.000	0.3	255	1963589	SMI12000335
K-12-175	33.00	35.00	144.5	7	0.002	0.014	0.000	0.1	119	1963590	SMI12000335
K-12-175	35.00	37.00	140.5	3	0.001	0.014	0.000	0.1	134	1963591	SMI12000335
K-12-175	37.00	39.00	104.0	4	0.002	0.010	0.000	0.2	155	1963592	SMI12000335
K-12-175	39.00	41.00	89.3	5	0.000	0.009	0.000	0.1	110	1963593	SMI12000335
K-12-175	41.00	43.00	92.8	6	0.000	0.009	0.000	0.1	115	1963594	SMI12000335
K-12-175	43.00	45.00	122.8	11	0.000	0.012	0.000	0.1	96	1963595	SMI12000335
K-12-175	45.00	47.00	141.1	4	0.000	0.014	0.000	0.2	93	1963596	SMI12000335
K-12-175	47.00	49.00	114.7	8	0.000	0.011	0.000	0.1	87	1963597	SMI12000335
K-12-175	49.00	51.00	220.0	8	0.001	0.022	0.000	0.2	92	1963598	SMI12000335
K-12-175	51.00	53.00	136.1	6	0.000	0.014	0.000	0.1	89	1963599	SMI12000335
K-12-175	53.00	55.00	213.6	6	0.000	0.021	0.000	0.2	92	1963601	SMI12000335
K-12-175	55.00	57.00	154.8	7	0.001	0.015	0.000	0.2	95	1963602	SMI12000335
K-12-175	57.00	59.00	52.9	4	0.002	0.005	0.000	0.1	95	1963603	SMI12000335
K-12-175	59.00	61.00	53.5	4	0.000	0.005	0.000	0.1	128	1963604	SMI12000335
K-12-175	61.00	63.00	39.2	1	0.000	0.004	0.000	0.05	112	1963605	SMI12000335
K-12-175	63.00	65.00	42.4	0	0.000	0.004	0.000	0.05	119	1963606	SMI12000335
K-12-175	65.00	67.00	218.7	7	0.001	0.022	0.000	0.2	124	1963607	SMI12000335
K-12-175	67.00	69.00	130.5	1	0.001	0.013	0.000	0.1	106	1963608	SMI12000335
K-12-175	69.00	71.80	274.1	14	0.000	0.027	0.000	0.3	93	1963609	SMI12000335
K-12-175	71.80	74.00	106.8	29	0.001	0.011	0.000	0.5	67	1963610	SMI12000335
K-12-175	74.00	76.00	59.7	7	0.000	0.006	0.000	0.05	102	1963611	SMI12000335

2012 Kwanika Project Drilling Assay Results
Serengeti Resources Inc.

HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-175	76.00	78.55	315.5	15	0.000	0.032	0.000	0.5	135	1963612	SMI12000335
K-12-175	78.55	80.00	276.4	34	0.000	0.028	0.000	0.4	86	1963613	SMI12000335
K-12-175	80.00	82.00	75.6	4	0.000	0.008	0.000	0.05	53	1963614	SMI12000335
K-12-175	82.00	84.00	377.5	4	0.000	0.038	0.000	0.1	60	1963616	SMI12000335
K-12-175	84.00	86.00	169.2	12	0.000	0.017	0.000	0.2	59	1963617	SMI12000335
K-12-175	86.00	88.00	126.9	10	0.000	0.013	0.000	0.05	42	1963618	SMI12000335
K-12-175	88.00	90.00	100.7	0	0.000	0.010	0.000	0.05	47	1963619	SMI12000335
K-12-175	90.00	92.00	238.9	3	0.000	0.024	0.000	0.1	50	1963620	SMI12000335
K-12-175	92.00	94.00	131.9	6	0.000	0.013	0.000	0.2	43	1963621	SMI12000335
K-12-175	94.00	96.00	139.0	0	0.000	0.014	0.000	0.1	43	1963622	SMI12000335
K-12-175	96.00	98.00	113.3	4	0.000	0.011	0.000	0.1	47	1963623	SMI12000335
K-12-175	98.00	100.00	269.2	6	0.000	0.027	0.000	0.3	51	1963624	SMI12000335
K-12-175	100.00	102.00	1464.5	51	0.000	0.146	0.000	1.1	54	1963625	SMI12000335
K-12-175	102.00	103.40	345.1	25	0.000	0.035	0.000	0.3	51	1963626	SMI12000335
K-12-175	103.40	106.00	318.5	25	0.000	0.032	0.000	0.8	157	1963627	SMI12000335
K-12-175	106.00	108.00	394.1	43	0.000	0.039	0.000	0.7	157	1963628	SMI12000335
K-12-175	108.00	110.00	397.5	56	0.000	0.040	0.000	1.1	275	1963629	SMI12000335
K-12-175	110.00	112.00	614.0	69	0.000	0.061	0.000	1.8	209	1963631	SMI12000335
K-12-175	112.00	114.90	243.0	16	0.000	0.024	0.000	0.5	188	1963632	SMI12000335
K-12-175	114.90	117.00	590.8	91	0.001	0.059	0.000	0.6	45	1963633	SMI12000335
K-12-175	117.00	119.00	351.7	53	0.001	0.035	0.000	0.8	69	1963634	SMI12000335
K-12-175	119.00	121.00	231.0	43	0.000	0.023	0.000	1.4	154	1963635	SMI12000335
K-12-175	121.00	123.00	286.3	54	0.001	0.029	0.000	1.1	252	1963636	SMI12000335
K-12-175	123.00	125.00	249.5	59	0.001	0.025	0.000	1	314	1963637	SMI12000335
K-12-175	125.00	127.00	234.5	43	0.001	0.023	0.000	0.9	371	1963638	SMI12000335
K-12-175	127.00	129.00	238.4	38	0.002	0.024	0.000	1.7	333	1963639	SMI12000335
K-12-175	129.00	131.00	256.9	36	0.004	0.026	0.000	1.3	587	1963640	SMI12000335
K-12-175	131.00	133.00	245.2	27	0.001	0.025	0.000	1.3	225	1963641	SMI12000335
K-12-175	133.00	135.00	328.4	37	0.000	0.033	0.000	1.4	167	1963642	SMI12000335
K-12-175	135.00	137.70	344.5	39	0.000	0.034	0.000	0.9	410	1963643	SMI12000335
K-12-175	137.70	139.00	74.1	26	0.000	0.007	0.000	0.3	501	1963644	SMI12000335
K-12-175	139.00	141.00	193.6	31	0.001	0.019	0.000	1.1	276	1963645	SMI12000335
K-12-175	141.00	143.00	73.3	34	0.007	0.007	0.000	1	279	1963647	SMI12000335
K-12-175	143.00	145.00	165.6	30	0.001	0.017	0.000	1.4	436	1963648	SMI12000335
K-12-175	145.00	147.00	490.9	91	0.000	0.049	0.000	2.4	233	1963649	SMI12000335
K-12-175	147.00	149.00	446.2	91	0.000	0.045	0.000	1.8	254	1963650	SMI12000335
K-12-175	149.00	151.00	890.5	107	0.000	0.089	0.094	3.7	293	1963651	SMI12000335
K-12-175	151.00	153.00	369.9	33	0.000	0.037	0.000	1.7	434	1963652	SMI12000335
K-12-175	153.00	155.00	328.7	24	0.000	0.033	0.000	1.4	643	1963653	SMI12000335
K-12-175	155.00	157.00	324.5	31	0.000	0.032	0.000	1.5	816	1963654	SMI12000335
K-12-175	157.00	159.00	308.5	30	0.001	0.031	0.000	1.5	679	1963655	SMI12000335
K-12-175	159.00	161.00	473.0	59	0.002	0.047	0.000	1.5	170	1963656	SMI12000335
K-12-175	161.00	163.00	298.4	241	0.002	0.030	0.209	0.8	118	1963657	SMI12000335
K-12-175	163.00	165.00	902.6	85	0.004	0.090	0.000	2.5	231	1963658	SMI12000335
K-12-175	149.00	167.00	564.0	294	0.005	0.056	0.295	1.4	178	1963659	SMI12000335
K-12-175	167.00	168.20	168.6	34	0.001	0.017	0.000	0.3	171	1963661	SMI12000335
K-12-175	168.20	170.00	127.8	334	0.000	0.013	0.246	0.2	57	1963662	SMI12000335
K-12-175	170.00	172.00	14.4	18	0.000	0.001	0.000	0.05	47	1963663	SMI12000335
K-12-175	172.00	174.00	27.2	10	0.000	0.003	0.000	0.05	39	1963664	SMI12000335
K-12-175	174.00	176.00	85.7	13	0.000	0.009	0.000	0.05	40	1963665	SMI12000335
K-12-175	176.00	178.00	112.7	11	0.000	0.011	0.000	0.05	42	1963666	SMI12000335
K-12-175	178.00	180.00	126.4	7	0.000	0.013	0.000	0.05	39	1963667	SMI12000335
K-12-175	180.00	182.00	68.6	6	0.000	0.007	0.000	0.05	42	1963668	SMI12000335
K-12-175	182.00	184.00	99.8	3	0.000	0.010	0.000	0.05	41	1963669	SMI12000335
K-12-175	184.00	186.00	49.7	0	0.000	0.005	0.000	0.05	44	1963670	SMI12000335
K-12-175	186.00	187.90	24.4	0	0.000	0.002	0.000	0.05	47	1963671	SMI12000335
K-12-175	187.90	190.00	92.5	20	0.000	0.009	0.000	0.1	62	1963672	SMI12000335
K-12-175	190.00	192.00	102.3	6	0.000	0.010	0.000	0.1	59	1963673	SMI12000335
K-12-175	192.00	194.00	82.4	4	0.000	0.008	0.000	0.1	63	1963674	SMI12000335
K-12-175	194.00	196.00	67.7	3	0.000	0.007	0.000	0.05	58	1963676	SMI12000335

2012 Kwanika Project Drilling Assay Results
Serengeti Resources Inc.

HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-175	196.00	198.00	61.6	4	0.000	0.006	0.000	0.05	61	1963677	SMI12000335
K-12-175	198.00	200.00	66.7	6	0.000	0.007	0.000	0.05	62	1963678	SMI12000335
K-12-175	200.00	202.00	66.1	3	0.000	0.007	0.000	0.05	64	1963679	SMI12000335
K-12-175	202.00	204.00	60.0	4	0.000	0.006	0.000	0.05	68	1963680	SMI12000335
K-12-175	204.00	206.00	116.2	8	0.000	0.012	0.000	0.1	62	1963681	SMI12000335
K-12-175	206.00	208.00	88.6	9	0.000	0.009	0.000	0.1	58	1963682	SMI12000335
K-12-175	208.00	210.00	85.5	10	0.000	0.009	0.000	0.1	61	1963683	SMI12000335
K-12-175	210.00	212.00	131.0	6	0.000	0.013	0.000	0.1	61	1963684	SMI12000335
K-12-175	212.00	214.00	71.4	4	0.000	0.007	0.000	0.1	64	1963685	SMI12000335
K-12-175	214.00	216.00	158.3	11	0.000	0.016	0.000	0.2	84	1963686	SMI12000335
K-12-175	216.00	218.00	118.0	5	0.000	0.012	0.000	0.1	62	1963687	SMI12000335
K-12-175	218.00	220.00	88.0	5	0.000	0.009	0.000	0.1	72	1963688	SMI12000335
K-12-175	220.00	222.00	76.3	2	0.000	0.008	0.000	0.1	74	1963689	SMI12000335
K-12-175	222.00	224.00	76.6	2	0.000	0.008	0.000	0.05	66	1963691	SMI12000335
K-12-175	224.00	226.00	49.6	1	0.000	0.005	0.000	0.05	64	1963692	SMI12000335
K-12-175	226.00	228.00	60.5	21	0.000	0.006	0.000	0.05	67	1963693	SMI12000335
K-12-175	228.00	230.00	138.1	2	0.000	0.014	0.000	0.05	55	1963694	SMI12000335
K-12-175	230.00	232.00	113.1	3	0.000	0.011	0.000	0.1	69	1963695	SMI12000335
K-12-175	232.00	234.00	40.2	2	0.000	0.004	0.000	0.05	70	1963696	SMI12000335
K-12-175	234.00	236.00	54.4	8	0.000	0.005	0.000	0.05	74	1963697	SMI12000335
K-12-175	236.00	238.00	137.8	4	0.000	0.014	0.000	0.05	71	1963698	SMI12000335
K-12-175	238.00	239.20	160.0	10	0.000	0.016	0.000	0.1	68	1963699	SMI12000335
K-12-175	239.20	241.00	79.0	11	0.000	0.008	0.000	0.1	61	1963700	SMI12000335
K-12-175	241.00	243.00	1050.5	341	0.002	0.105	0.446	1.2	88	1963701	SMI12000335
K-12-175	243.00	245.00	638.6	82	0.002	0.064	0.000	0.6	112	1963702	SMI12000335
K-12-175	245.00	247.00	833.2	326	0.002	0.083	0.236	1.2	114	1963703	SMI12000335
K-12-175	247.00	249.60	327.7	34	0.001	0.033	0.000	0.4	112	1963704	SMI12000335
K-12-175	249.60	251.00	582.5	69	0.002	0.058	0.000	0.6	153	1963705	SMI12000335
K-12-175	251.00	253.00	634.1	63	0.002	0.063	0.000	0.7	188	1963707	SMI12000335
K-12-175	253.00	255.00	792.1	57	0.002	0.079	0.000	0.8	199	1963708	SMI12000335
K-12-175	255.00	257.00	534.3	37	0.002	0.053	0.000	0.5	186	1963709	SMI12000335
K-12-175	257.00	259.00	696.7	55	0.003	0.070	0.000	0.7	194	1963710	SMI12000335
K-12-175	259.00	261.00	745.7	47	0.002	0.075	0.000	0.9	246	1963711	SMI12000335
K-12-175	261.00	263.00	728.8	29	0.002	0.073	0.000	0.8	296	1963712	SMI12000335
K-12-175	263.00	265.00	904.7	59	0.002	0.090	0.000	1	158	1963713	SMI12000335
K-12-175	265.00	267.00	1348.2	116	0.002	0.135	0.090	1.3	179	1963714	SMI12000335
K-12-175	267.00	269.00	855.6	81	0.002	0.086	0.000	0.6	118	1963715	SMI12000335
K-12-175	269.00	271.00	194.6	11	0.000	0.019	0.000	0.2	53	1963716	SMI12000335
K-12-175	271.00	273.00	744.6	60	0.001	0.074	0.000	0.5	87	1963717	SMI12000335
K-12-175	273.00	275.00	73.0	8	0.000	0.007	0.000	0.05	43	1963718	SMI12000335
K-12-175	275.00	276.10	37.5	10	0.000	0.004	0.000	0.05	45	1963719	SMI12000335
K-12-175	276.10	278.00	125.9	14	0.000	0.013	0.000	0.05	48	1963721	SMI12000335
K-12-175	278.00	280.00	134.0	13	0.000	0.013	0.000	0.1	49	1963722	SMI12000335
K-12-175	280.00	282.00	79.6	8	0.000	0.008	0.000	0.05	46	1963723	SMI12000335
K-12-175	282.00	284.00	97.3	8	0.000	0.010	0.000	0.05	42	1963724	SMI12000335
K-12-175	284.00	286.00	39.4	4	0.000	0.004	0.000	0.05	42	1963725	SMI12000335
K-12-175	286.00	288.00	117.5	8	0.000	0.012	0.000	0.1	46	1963726	SMI12000335
K-12-175	288.00	290.50	248.6	11	0.000	0.025	0.000	0.2	46	1963727	SMI12000335
K-12-175	290.50	292.00	1711.8	130	0.002	0.171	0.093	1.1	70	1963728	SMI12000335
K-12-175	292.00	294.00	1708.4	85	0.002	0.171	0.000	1	81	1963729	SMI12000335
K-12-175	294.00	296.00	1984.2	131	0.002	0.198	0.120	1.2	88	1963730	SMI12000335
K-12-175	296.00	298.35	2145.4	164	0.002	0.211	0.198	1.1	91	1963731	SMI12000335
K-12-175	298.35	300.00	348.2	22	0.001	0.035	0.000	0.2	57	1963732	SMI12000335
K-12-175	300.00	302.00	278.7	6	0.000	0.028	0.000	0.05	50	1963733	SMI12000335
K-12-175	302.00	304.00	86.9	6	0.000	0.009	0.000	0.05	49	1963734	SMI12000335
K-12-175	304.00	306.00	284.6	60	0.000	0.028	0.000	0.1	36	1963736	SMI12000335
K-12-175	306.00	308.00	2366.0	218	0.003	0.229	0.208	1.3	93	1963737	SMI12000335
K-12-175	308.00	310.00	3155.2	293	0.003	0.316	0.318	1.7	121	1963738	SMI12000335
K-12-175	310.00	312.00	4129.5	409	0.002	0.435	0.462	2.6	106	1963739	SMI12000335
K-12-175	312.00	314.00	3528.1	389	0.001	0.357	0.469	1.9	82	1963740	SMI12000335

2012 Kwanika Project Drilling Assay Results
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K-12-175	314.00	316.00	1064.9	76	0.000	0.106	0.000	0.6	92	1963741	SMI12000335
K-12-175	316.00	318.00	549.5	56	0.000	0.055	0.000	0.5	90	1963742	SMI12000335
K-12-175	318.00	320.00	659.6	52	0.001	0.066	0.000	0.6	78	1963743	SMI12000335
K-12-175	320.00	322.00	804.0	443	0.002	0.080	0.588	0.7	53	1963744	SMI12000335
K-12-175	322.00	324.00	624.2	106	0.000	0.062	0.083	0.4	86	1963745	SMI12000335
K-12-175	324.00	326.00	978.2	149	0.001	0.098	0.157	0.8	98	1963746	SMI12000335
K-12-175	326.00	328.00	1357.9	110	0.001	0.136	0.105	0.8	99	1963747	SMI12000335
K-12-175	328.00	330.00	608.8	69	0.000	0.061	0.000	0.4	88	1963748	SMI12000335
K-12-175	330.00	332.00	579.6	60	0.001	0.058	0.000	0.5	92	1963749	SMI12000335
K-12-175	332.00	334.00	1479.3	117	0.002	0.148	0.151	0.8	93	1963751	SMI12000335
K-12-175	334.00	336.00	2482.0	114	0.003	0.242	0.128	1.3	88	1963752	SMI12000335
K-12-175	336.00	338.00	997.0	93	0.000	0.100	0.000	0.5	85	1963753	SMI12000335
K-12-175	338.00	340.00	501.2	46	0.000	0.050	0.000	0.3	58	1963754	SMI12000335
K-12-175	340.00	341.90	459.1	54	0.000	0.046	0.000	0.3	47	1963755	SMI12000335
K-12-175	341.90	344.00	268.0	11	0.000	0.027	0.000	0.1	47	1963756	SMI12000335
K-12-175	344.00	346.00	332.5	17	0.000	0.033	0.000	0.2	54	1963757	SMI12000335
K-12-175	346.00	348.00	114.3	7	0.000	0.011	0.000	0.05	48	1963758	SMI12000335
K-12-175	348.00	350.00	2628.2	141	0.001	0.267	0.171	1.5	77	1963759	SMI12000335
K-12-175	350.00	352.00	5167.0	231	0.001	0.553	0.304	3.3	191	1963760	SMI12000335
K-12-175	352.00	354.00	1909.6	108	0.000	0.191	0.138	1.1	106	1963761	SMI12000335
K-12-175	354.00	356.00	1439.4	70	0.000	0.144	0.000	0.9	88	1963762	SMI12000335
K-12-175	356.00	358.00	1171.1	64	0.001	0.117	0.000	0.7	91	1963763	SMI12000335
K-12-175	358.00	360.00	1125.5	75	0.001	0.113	0.000	0.8	90	1963764	SMI12000335
K-12-175	360.00	362.70	1855.8	149	0.001	0.186	0.157	1	72	1963765	SMI12000335
K-12-175	362.70	364.00	146.0	26	0.000	0.015	0.000	0.05	56	1963767	SMI12000335
K-12-175	364.00	365.50	248.7	13	0.000	0.025	0.000	0.05	64	1963768	SMI12000335
K-12-175	365.50	367.00	91.3	12	0.000	0.009	0.000	0.05	48	1963769	SMI12000335
K-12-175	367.00	369.00	33.4	6	0.000	0.003	0.000	0.05	57	1963770	SMI12000335
K-12-175	369.00	370.65	25.9	10	0.000	0.003	0.000	0.05	59	1963771	SMI12000335
K-12-175	370.65	373.00	549.8	38	0.000	0.055	0.000	0.3	76	1963772	SMI12000335
K-12-175	373.00	374.45	1344.3	97	0.000	0.134	0.000	0.8	87	1963773	SMI12000335
K-12-175	374.45	377.35	111.0	16	0.000	0.011	0.000	0.05	55	1963774	SMI12000335
K-12-175	377.35	379.00	2062.0	177	0.000	0.200	0.184	1	80	1963775	SMI12000335
K-12-175	379.00	381.00	2005.8	137	0.000	0.197	0.159	1	71	1963776	SMI12000335
K-12-175	381.00	383.00	1284.7	115	0.000	0.128	0.114	0.9	106	1963777	SMI12000335
K-12-175	383.00	385.00	82.1	12	0.000	0.008	0.000	0.05	77	1963778	SMI12000335
K-12-175	385.00	387.00	311.4	13	0.000	0.031	0.000	0.1	101	1963779	SMI12000335
K-12-175	387.00	389.00	891.7	73	0.001	0.089	0.000	0.8	111	1963781	SMI12000335
K-12-175	389.00	391.00	436.7	72	0.000	0.044	0.000	0.4	71	1963782	SMI12000335
K-12-175	391.00	393.00	1930.2	240	0.001	0.193	0.261	1.6	67	1963783	SMI12000335
K-12-175	393.00	394.96	848.1	137	0.001	0.085	0.156	0.8	75	1963784	SMI12000335
K-12-175	394.96	397.00	2027.8	229	0.000	0.196	0.264	1.5	88	1963785	SMI12000335
K-12-175	397.00	399.00	1482.2	183	0.003	0.148	0.200	1.1	74	1963786	SMI12000335
K-12-175	399.00	401.00	3469.4	826	0.001	0.335	0.881	3.3	89	1963787	SMI12000335
K-12-175	401.00	403.00	870.2	139	0.001	0.087	0.143	0.8	73	1963788	SMI12000335
K-12-175	403.00	405.00	1104.1	261	0.000	0.110	0.280	0.7	63	1963789	SMI12000335
K-12-175	405.00	407.00	1203.5	193	0.000	0.120	0.203	0.9	76	1963790	SMI12000335
K-12-175	407.00	409.60	911.0	93	0.000	0.091	0.000	0.6	71	1963791	SMI12000335
K-12-175	409.60	411.00	82.7	13	0.000	0.008	0.000	0.05	38	1963792	SMI12000335
K-12-175	411.00	412.85	78.7	12	0.000	0.008	0.000	0.05	39	1963793	SMI12000335
K-12-175	412.85	415.00	1513.1	137	0.000	0.151	0.161	0.9	75	1963794	SMI12000335
K-12-175	415.00	417.00	2714.4	292	0.000	0.266	0.311	1.4	75	1963796	SMI12000335
K-12-175	417.00	419.00	1893.9	397	0.000	0.189	0.445	1	63	1963797	SMI12000335
K-12-175	419.00	421.00	2066.8	269	0.000	0.199	0.300	1	61	1963798	SMI12000335
K-12-175	421.00	423.00	2704.1	220	0.000	0.276	0.306	1	52	1963799	SMI12000335
K-12-175	423.00	425.00	1382.0	152	0.001	0.138	0.179	0.6	41	1963800	SMI12000335
K-12-175	425.00	427.00	1908.2	177	0.000	0.191	0.216	0.8	48	1963801	SMI12000335
K-12-175	427.00	429.00	1577.1	191	0.000	0.158	0.240	0.8	46	1963802	SMI12000335
K-12-175	429.00	431.00	3151.2	332	0.000	0.320	0.426	1.2	50	1963803	SMI12000335
K-12-175	431.00	433.00	3123.5	449	0.000	0.321	0.517	1.2	58	1963804	SMI12000335

2012 Kwanika Project Drilling Assay Results
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HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-175	433.00	435.00	1601.6	209	0.000	0.160	0.207	1	63	1963805	SMI12000335
K-12-175	435.00	436.50	1898.7	235	0.001	0.190	0.217	1.5	81	1963806	SMI12000335
K-12-175	436.50	437.85	2082.1	308	0.000	0.215	0.273	1.2	73	1963807	SMI12000335
K-12-175	437.85	440.00	186.5	20	0.000	0.019	0.000	0.2	38	1963808	SMI12000335
K-12-175	440.00	442.70	107.1	12	0.000	0.011	0.000	0.1	32	1963809	SMI12000335
K-12-175	442.70	445.00	122.8	19	0.000	0.012	0.000	0.05	33	1963811	SMI12000335
K-12-175	445.00	447.00	89.5	15	0.000	0.009	0.000	0.05	27	1963812	SMI12000335
K-12-175	447.00	449.00	2041.1	205	0.002	0.211	0.202	0.8	41	1963813	SMI12000335
K-12-175	449.00	450.18	422.0	133	0.000	0.042	0.138	0.3	36	1963814	SMI12000335
K-12-176	39.00	42.00	71.2	0	0.000	0.007	0.000	0.1	95	1963815	SMI12000334
K-12-176	42.00	45.00	83.4	2	0.000	0.008	0.000	0.1	104	1963816	SMI12000334
K-12-176	45.00	48.00	92.9	1	0.000	0.009	0.000	0.2	96	1963817	SMI12000334
K-12-176	48.00	51.00	94.5	2	0.004	0.009	0.000	0.2	85	1963818	SMI12000334
K-12-176	51.00	54.00	114.9	2	0.000	0.011	0.000	0.2	73	1963819	SMI12000334
K-12-176	54.00	57.00	112.3	3	0.001	0.011	0.000	0.2	86	1963820	SMI12000334
K-12-176	57.00	60.00	88.0	15	0.003	0.009	0.000	0.2	67	1963821	SMI12000334
K-12-176	60.00	63.00	121.5	42	0.000	0.012	0.000	0.3	25	1963822	SMI12000334
K-12-176	63.00	66.00	31.2	20	0.000	0.003	0.000	0.05	18	1963823	SMI12000334
K-12-176	66.00	69.00	59.2	13	0.000	0.006	0.000	0.05	18	1963824	SMI12000334
K-12-176	69.00	72.00	54.9	15	0.000	0.005	0.000	0.1	24	1963825	SMI12000334
K-12-176	72.00	75.00	105.0	66	0.000	0.011	0.000	0.2	18	1963827	SMI12000334
K-12-176	75.00	78.00	66.8	72	0.000	0.007	0.000	0.4	13	1963828	SMI12000334
K-12-176	78.00	81.00	63.2	1919	0.000	0.006	1.783	2.2	12	1963829	SMI12000334
K-12-176	81.00	84.00	15.8	23	0.000	0.002	0.000	0.5	15	1963830	SMI12000334
K-12-176	84.00	87.00	28.9	29	0.000	0.003	0.000	0.2	13	1963831	SMI12000334
K-12-176	87.00	90.00	36.2	9	0.000	0.004	0.000	0.1	14	1963832	SMI12000334
K-12-176	90.00	93.00	39.9	17	0.000	0.004	0.000	0.05	15	1963833	SMI12000334
K-12-176	93.00	96.00	47.1	3	0.000	0.005	0.000	0.1	18	1963834	SMI12000334
K-12-176	96.00	99.00	98.8	8	0.000	0.010	0.000	0.2	17	1963835	SMI12000334
K-12-176	99.00	102.00	115.6	13	0.000	0.012	0.000	0.1	15	1963836	SMI12000334
K-12-176	102.00	105.00	113.1	20	0.000	0.011	0.000	0.1	15	1963837	SMI12000334
K-12-176	105.00	108.00	146.6	12	0.000	0.015	0.000	0.1	13	1963838	SMI12000334
K-12-176	108.00	111.00	261.7	43	0.000	0.026	0.000	0.2	13	1963839	SMI12000334
K-12-176	111.00	114.00	309.4	4	0.000	0.031	0.000	0.2	13	1963841	SMI12000334
K-12-176	114.00	117.00	119.0	3	0.001	0.012	0.000	0.1	25	1963842	SMI12000334
K-12-176	117.00	120.00	74.7	0	0.000	0.007	0.000	0.05	22	1963843	SMI12000334
K-12-176	120.00	123.00	293.9	6	0.000	0.029	0.000	0.3	24	1963844	SMI12000334
K-12-176	123.00	126.00	158.6	8	0.001	0.016	0.000	0.1	25	1963845	SMI12000334
K-12-176	126.00	129.00	178.1	37	0.001	0.018	0.000	0.2	28	1963846	SMI12000334
K-12-176	129.00	132.00	102.8	3	0.001	0.010	0.000	0.05	23	1963847	SMI12000334
K-12-176	132.00	135.00	281.2	15	0.001	0.028	0.000	0.2	32	1963848	SMI12000334
K-12-176	135.00	138.00	160.4	32	0.001	0.016	0.000	0.3	27	1963849	SMI12000334
K-12-176	138.00	141.00	62.7	16	0.000	0.006	0.000	0.2	26	1963850	SMI12000334
K-12-176	141.00	143.00	103.0	5	0.000	0.010	0.000	0.05	24	1963851	SMI12000334
K-12-176	143.00	145.00	178.6	16	0.001	0.018	0.000	0.1	22	1963852	SMI12000334
K-12-176	145.00	147.00	109.7	7	0.000	0.011	0.000	0.05	22	1963853	SMI12000334
K-12-176	147.00	149.00	85.1	4	0.000	0.009	0.000	0.05	20	1963854	SMI12000334
K-12-176	149.00	151.00	73.0	6	0.000	0.007	0.000	0.05	23	1963856	SMI12000334
K-12-176	151.00	153.00	53.6	4	0.000	0.005	0.000	0.05	22	1963857	SMI12000334
K-12-176	153.00	155.00	48.5	5	0.000	0.005	0.000	0.05	18	1963858	SMI12000334
K-12-176	155.00	157.00	88.1	19	0.001	0.009	0.000	0.05	24	1963859	SMI12000334
K-12-176	157.00	159.00	162.9	16	0.001	0.016	0.000	0.2	48	1963860	SMI12000334
K-12-176	159.00	161.00	55.0	19	0.001	0.006	0.000	0.2	39	1963861	SMI12000334
K-12-176	161.00	163.00	58.8	74	0.000	0.006	0.000	0.1	63	1963862	SMI12000334
K-12-176	163.00	165.00	62.7	61	0.000	0.006	0.000	0.2	42	1963863	SMI12000334
K-12-176	165.00	167.00	67.3	70	0.000	0.007	0.000	0.5	50	1963864	SMI12000334
K-12-176	167.00	169.10	119.5	22	0.000	0.012	0.000	0.05	26	1963865	SMI12000334
K-12-176	169.10	170.30	23.0	7	0.000	0.002	0.000	0.05	31	1963866	SMI12000334
K-12-176	170.30	173.00	111.8	63	0.000	0.011	0.000	0.05	35	1963867	SMI12000334
K-12-176	173.00	175.00	59.5	13	0.000	0.006	0.000	0.05	54	1963868	SMI12000334

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HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-176	175.00	177.00	146.8	22	0.000	0.015	0.000	0.05	54	1963869	SMI12000334
K-12-176	177.00	179.12	134.4	30	0.000	0.013	0.000	0.05	73	1963871	SMI12000334
K-12-176	179.12	181.00	18.5	4	0.000	0.002	0.000	0.05	27	1963872	SMI12000334
K-12-176	181.00	183.00	25.1	2	0.000	0.003	0.000	0.05	23	1963873	SMI12000334
K-12-176	183.00	185.00	24.9	4	0.000	0.002	0.000	0.05	24	1963874	SMI12000334
K-12-176	185.00	186.30	17.4	2	0.000	0.002	0.000	0.05	22	1963875	SMI12000334
K-12-176	186.30	188.00	307.8	15	0.000	0.031	0.000	0.1	41	1963876	SMI12000334
K-12-176	188.00	190.00	147.3	5	0.000	0.015	0.000	0.05	39	1963877	SMI12000334
K-12-176	190.00	192.00	318.0	9	0.000	0.032	0.000	0.1	43	1963878	SMI12000334
K-12-176	192.00	194.00	194.8	13	0.000	0.019	0.000	0.1	40	1963879	SMI12000334
K-12-176	194.00	196.00	333.8	20	0.000	0.033	0.000	0.2	47	1963880	SMI12000334
K-12-176	196.00	198.00	478.3	34	0.000	0.048	0.000	0.3	54	1963881	SMI12000334
K-12-176	198.00	200.00	1114.1	101	0.000	0.111	0.096	0.6	52	1963882	SMI12000334
K-12-176	200.00	202.00	1498.2	88	0.001	0.150	0.000	1.1	54	1963883	SMI12000334
K-12-176	202.00	204.00	828.7	48	0.000	0.083	0.000	0.4	47	1963884	SMI12000334
K-12-176	204.00	206.00	994.0	63	0.001	0.099	0.000	0.6	41	1963885	SMI12000334
K-12-176	206.00	208.00	617.0	27	0.001	0.062	0.000	0.3	38	1963887	SMI12000334
K-12-176	208.00	210.00	619.7	24	0.002	0.062	0.000	0.3	45	1963888	SMI12000334
K-12-176	210.00	212.00	859.0	60	0.005	0.086	0.000	0.5	35	1963889	SMI12000334
K-12-176	212.00	214.00	147.5	4	0.000	0.015	0.000	0.05	28	1963890	SMI12000334
K-12-176	214.00	216.00	45.0	1	0.000	0.005	0.000	0.05	21	1963891	SMI12000334
K-12-176	216.00	218.00	48.2	2	0.000	0.005	0.000	0.05	22	1963892	SMI12000334
K-12-176	218.00	220.00	728.0	59	0.074	0.073	0.000	0.4	26	1963893	SMI12000334
K-12-176	220.00	222.00	2289.7	173	0.008	0.236	0.187	0.9	44	1963894	SMI12000334
K-12-176	222.00	224.00	2353.1	155	0.001	0.242	0.148	1	40	1963895	SMI12000334
K-12-176	224.00	226.25	2773.3	209	0.001	0.285	0.223	1	42	1963896	SMI12000334
K-12-176	226.25	228.00	364.6	14	0.000	0.036	0.000	0.2	19	1963897	SMI12000334
K-12-176	228.00	230.00	79.4	4	0.000	0.008	0.000	0.1	17	1963898	SMI12000334
K-12-176	230.00	232.00	217.2	15	0.000	0.022	0.000	0.2	23	1963899	SMI12000334
K-12-176	232.00	234.00	1407.7	103	0.001	0.141	0.090	0.7	37	1963901	SMI12000334
K-12-176	234.00	236.00	259.3	15	0.000	0.026	0.000	0.1	38	1963902	SMI12000334
K-12-176	236.00	238.00	97.9	5	0.000	0.010	0.000	0.05	37	1963903	SMI12000334
K-12-176	238.00	240.00	337.7	11	0.000	0.034	0.000	0.2	52	1963904	SMI12000334
K-12-176	240.00	242.00	213.5	11	0.000	0.021	0.000	0.1	47	1963905	SMI12000334
K-12-176	242.00	244.00	119.5	4	0.000	0.012	0.000	0.05	39	1963906	SMI12000334
K-12-176	244.00	246.00	299.7	14	0.001	0.030	0.000	0.2	44	1963907	SMI12000334
K-12-176	246.00	248.00	587.7	22	0.000	0.059	0.000	0.3	39	1963908	SMI12000334
K-12-176	248.00	250.00	1125.2	49	0.000	0.113	0.000	0.5	50	1963909	SMI12000334
K-12-176	250.00	252.00	4213.3	258	0.002	0.437	0.279	1.9	47	1963910	SMI12000334
K-12-176	252.00	254.00	6575.7	372	0.001	0.665	0.346	2.3	42	1963911	SMI12000334
K-12-176	254.00	256.00	2834.0	174	0.001	0.291	0.159	1	36	1963912	SMI12000334
K-12-176	256.00	258.00	1338.8	106	0.001	0.134	0.094	0.6	36	1963913	SMI12000334
K-12-176	258.00	260.00	64.1	3	0.000	0.006	0.000	0.05	30	1963914	SMI12000334
K-12-176	260.00	262.00	36.7	2	0.000	0.004	0.000	0.05	27	1963916	SMI12000334
K-12-176	262.00	264.00	50.1	2	0.000	0.005	0.000	0.05	38	1963917	SMI12000334
K-12-176	264.00	266.00	12.1	2	0.000	0.001	0.000	0.05	42	1963918	SMI12000334
K-12-176	266.00	268.00	60.5	5	0.000	0.006	0.000	0.05	35	1963919	SMI12000334
K-12-176	268.00	270.00	109.6	13	0.010	0.011	0.000	0.05	28	1963920	SMI12000334
K-12-176	270.00	272.00	106.5	17	0.002	0.011	0.000	0.05	26	1963921	SMI12000334
K-12-176	272.00	274.00	946.2	63	0.002	0.095	0.000	0.4	46	1963922	SMI12000334
K-12-176	274.00	276.00	1776.8	144	0.001	0.178	0.152	0.7	52	1963923	SMI12000334
K-12-176	276.00	278.00	1055.1	112	0.001	0.106	0.116	0.5	36	1963924	SMI12000334
K-12-176	278.00	280.00	541.6	19	0.001	0.054	0.000	0.2	32	1963925	SMI12000334
K-12-176	280.00	282.00	1395.1	94	0.001	0.140	0.000	0.7	40	1963926	SMI12000334
K-12-176	282.00	284.00	466.2	36	0.000	0.047	0.000	0.3	33	1963927	SMI12000334
K-12-176	284.00	286.00	723.5	44	0.000	0.072	0.000	0.4	31	1963928	SMI12000334
K-12-176	286.00	288.00	736.9	48	0.000	0.074	0.000	0.4	37	1963929	SMI12000334
K-12-176	288.00	290.00	1269.4	141	0.001	0.127	0.144	0.6	31	1963931	SMI12000334
K-12-176	290.00	292.00	760.2	92	0.000	0.076	0.000	0.4	31	1963932	SMI12000334
K-12-176	292.00	294.00	1097.0	101	0.001	0.110	0.084	0.6	35	1963933	SMI12000334

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HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
K-12-176	294.00	296.00	910.1	53	0.003	0.091	0.000	0.4	42	1963934	SMI12000334
K-12-176	296.00	297.79	1229.0	78	0.000	0.123	0.000	0.7	36	1963935	SMI12000334
KS-12-07	50.83	53.00	144.4	0.6	0.1	0.014	NA	0.1	76	1963286	SMI12000325
KS-12-07	53.00	55.00	142.0	1.0	0.1	0.014	NA	0.1	74	1963287	SMI12000325
KS-12-07	55.00	57.00	114.9	1.2	0.1	0.011	NA	0.1	75	1963288	SMI12000325
KS-12-07	57.00	59.00	136.3	0.3	0.1	0.014	NA	0.1	74	1963289	SMI12000325
KS-12-07	59.00	61.00	141.6	0.3	0.1	0.014	NA	0.1	75	1963290	SMI12000325
KS-12-07	61.00	63.24	140.5	1.1	0.2	0.014	NA	0.1	78	1963291	SMI12000325
KS-12-07	63.24	66.00	94.9	0.3	4.9	0.009	NA	0.1	145	1963292	SMI12000325
KS-12-07	66.00	69.00	80.2	0.3	6.6	0.008	NA	0.1	202	1963293	SMI12000325
KS-12-07	69.00	72.00	77.9	0.3	6.5	0.008	NA	0.1	192	1963294	SMI12000325
KS-12-07	72.00	75.00	81.1	0.3	5.7	0.008	NA	0.1	179	1963295	SMI12000325
KS-12-07	75.00	78.00	82.7	0.3	10.1	0.008	NA	0.2	234	1963296	SMI12000325
KS-12-07	78.00	81.00	85.7	0.3	4.7	0.009	NA	0.2	252	1963297	SMI12000325
KS-12-07	81.00	84.00	88.7	0.3	5.6	0.009	NA	0.1	130	1963298	SMI12000325
KS-12-07	84.00	87.00	83.2	0.5	5.4	0.008	NA	0.1	127	1963299	SMI12000325
KS-12-07	87.00	90.00	88.8	3.1	3.9	0.009	NA	0.2	137	1963301	SMI12000325
KS-12-07	90.00	93.00	86.6	1.9	4.2	0.009	NA	0.1	159	1963302	SMI12000325
KS-12-07	93.00	96.00	74.7	0.3	4.0	0.007	NA	0.1	163	1963303	SMI12000325
KS-12-07	96.00	99.00	84.1	0.3	5.7	0.008	NA	0.1	221	1963304	SMI12000325
KS-12-07	99.00	101.50	77.8	0.3	7.9	0.008	NA	0.1	217	1963305	SMI12000325
KS-12-07	101.50	103.80	88.3	0.3	8.0	0.009	NA	0.2	267	1963306	SMI12000325
KS-12-07	103.80	106.80	128.0	0.3	0.3	0.013	NA	0.1	80	1963307	SMI12000325
KS-12-07	106.80	109.00	113.1	0.3	22.0	0.011	NA	0.1	289	1963308	SMI12000325
KS-12-07	109.00	111.50	90.8	0.3	16.4	0.009	NA	0.1	187	1963309	SMI12000325
KS-12-07	111.50	113.20	101.7	0.3	4.6	0.010	NA	0.2	304	1963310	SMI12000325
KS-12-07	113.20	116.00	161.1	0.6	3.4	0.016	NA	0.1	70	1963311	SMI12000325
KS-12-07	116.00	119.00	119.5	0.3	1.4	0.012	NA	0.1	63	1963312	SMI12000325
KS-12-07	119.00	121.50	82.5	0.3	2.3	0.008	NA	0.1	72	1963313	SMI12000325
KS-12-07	121.50	123.60	85.6	0.3	6.5	0.009	NA	0.1	150	1963314	SMI12000325
KS-12-07	123.60	127.40	100.0	0.3	12.4	0.010	NA	0.1	256	1963316	SMI12000325
KS-12-07	127.40	130.00	134.3	0.6	0.1	0.013	NA	0.1	71	1963317	SMI12000325
KS-12-07	130.00	132.00	127.6	0.9	0.2	0.013	NA	0.1	68	1963318	SMI12000325
KS-12-07	132.00	134.00	132.4	0.3	0.1	0.013	NA	0.1	65	1963319	SMI12000325
KS-12-07	134.00	136.00	120.5	3.1	0.1	0.012	NA	0.1	66	1963320	SMI12000325
KS-12-07	136.00	138.00	122.3	1.8	0.6	0.012	NA	0.1	73	1963321	SMI12000325
KS-12-07	138.00	140.00	96.2	2.4	3.4	0.010	NA	0.1	168	1963322	SMI12000325
KS-12-07	140.00	142.00	115.1	1.7	0.1	0.012	NA	0.1	63	1963323	SMI12000325
KS-12-07	142.00	144.00	113.4	1.1	0.1	0.011	NA	0.1	64	1963324	SMI12000325
KS-12-07	144.00	146.00	112.9	0.3	0.1	0.011	NA	0.1	64	1963325	SMI12000325
KS-12-07	146.00	148.00	103.8	1.2	0.1	0.010	NA	0.1	64	1963326	SMI12000325
KS-12-07	148.00	150.00	105.0	0.3	0.1	0.011	NA	0.1	60	1963327	SMI12000325
KS-12-07	150.00	152.00	111.6	0.3	0.1	0.011	NA	0.1	61	1963328	SMI12000325
KS-12-07	152.00	154.00	111.6	0.3	0.2	0.011	NA	0.1	61	1963329	SMI12000325
KS-12-07	154.00	156.00	114.1	0.3	0.1	0.011	NA	0.1	61	1963331	SMI12000325
KS-12-07	156.00	158.60	114.0	0.3	0.4	0.011	NA	0.1	65	1963332	SMI12000325
KS-12-07	158.60	161.00	82.6	0.3	3.7	0.008	NA	0.2	245	1963333	SMI12000325
KS-12-07	161.00	164.00	69.4	0.3	4.2	0.007	NA	0.1	161	1963334	SMI12000325
KS-12-07	164.00	167.00	72.3	0.3	8.3	0.007	NA	0.1	223	1963335	SMI12000325
KS-12-07	167.00	170.00	57.2	0.3	4.3	0.006	NA	0.1	112	1963336	SMI12000325
KS-12-07	170.00	173.00	73.9	0.3	14.0	0.007	NA	0.1	212	1963337	SMI12000325
KS-12-07	173.00	176.00	73.7	0.3	4.8	0.007	NA	0.1	153	1963338	SMI12000325
KS-12-07	176.00	179.00	76.5	0.3	5.9	0.008	NA	0.1	153	1963339	SMI12000325
KS-12-07	179.00	182.00	75.8	0.3	4.5	0.008	NA	0.1	159	1963340	SMI12000325
KS-12-07	182.00	185.00	75.5	0.3	4.3	0.008	NA	0.1	215	1963341	SMI12000325
KS-12-07	185.00	188.00	73.9	0.3	5.5	0.007	NA	0.1	224	1963342	SMI12000325
KS-12-07	188.00	191.00	67.6	0.3	4.4	0.007	NA	0.1	155	1963343	SMI12000325
KS-12-07	191.00	194.00	73.2	0.3	5.0	0.007	NA	0.1	165	1963344	SMI12000325
KS-12-07	194.00	197.00	76.7	0.3	4.4	0.008	NA	0.1	182	1963345	SMI12000325
KS-12-07	197.00	200.00	71.7	0.3	5.9	0.007	NA	0.1	192	1963347	SMI12000325

2012 Kwanika Project Drilling Assay Results
Serengeti Resources Inc.

HoleID	Depth From	Depth To	Cu (ppm)	Au (ppb)	Mo(%)	Cu (%)	Au (g/t)	Ag (ppm)	Zn (ppm)	Sample#	Assay Cert
KS-12-07	200.00	203.00	72.4	0.3	5.1	0.007	NA	0.1	214	1963348	SMI12000325
KS-12-07	203.00	206.00	70.9	0.3	5.2	0.007	NA	0.1	200	1963349	SMI12000325
KS-12-07	206.00	209.00	73.6	0.3	5.0	0.007	NA	0.1	191	1963350	SMI12000325
KS-12-07	209.00	212.00	72.3	0.3	5.2	0.007	NA	0.1	136	1963351	SMI12000325
KS-12-07	212.00	215.00	64.7	0.3	6.2	0.006	NA	0.1	119	1963352	SMI12000325
KS-12-07	215.00	218.00	70.8	0.3	6.8	0.007	NA	0.1	135	1963353	SMI12000325
KS-12-07	218.00	221.58	68.5	0.3	4.7	0.007	NA	0.1	133	1963354	SMI12000325

Appendix E – Analytical Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8 CANADA

Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: September 04, 2012
Report Date: September 24, 2012
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI12000325.1

CLIENT JOB INFORMATION

Project: KS7
Shipment ID: 2012 - 7
P.O. Number
Number of Samples: 70

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	68	Crush, split and pulverize 250 g rock to 200 mesh			SMI
1DX2	70	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

ADDITIONAL COMMENTS

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

Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:



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



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: KS7
 Report Date: September 24, 2012

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Part: 1 of 1

CERTIFICATE OF ANALYSIS

SMI12000325.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	100	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
G1-SMI	Prep Blank	<0.01	<0.1	6.5	3.7	42	<0.1	3.1	4.4	504	1.77	<0.5	<100	5.1	52	<0.1	<0.1	<0.1	32	0.44	0.071
G1-SMI	Prep Blank	<0.01	<0.1	2.9	3.6	44	<0.1	2.4	3.8	524	1.79	<0.5	<100	5.1	51	<0.1	<0.1	<0.1	33	0.43	0.079
1963286	Drill Core	5.50	0.1	144.4	21.7	76	<0.1	62.4	28.1	817	4.58	0.6	<100	11.2	592	<0.1	<0.1	<0.1	181	3.21	0.309
1963287	Drill Core	5.43	0.1	142.0	20.5	74	0.1	58.1	29.2	802	4.51	0.5	<100	11.1	616	<0.1	<0.1	<0.1	166	2.81	0.299
1963288	Drill Core	5.87	<0.1	114.9	15.9	75	<0.1	64.2	29.4	613	4.26	1.3	<100	9.0	523	<0.1	0.2	<0.1	137	2.83	0.279
1963289	Drill Core	5.59	<0.1	136.3	17.9	74	<0.1	60.8	29.7	792	4.58	<0.5	<100	10.3	579	<0.1	<0.1	<0.1	168	3.21	0.303
1963290	Drill Core	5.70	<0.1	141.6	21.9	75	<0.1	63.8	28.7	786	4.53	0.9	<100	11.6	713	<0.1	<0.1	<0.1	174	2.64	0.301
1963291	Drill Core	5.92	0.2	140.5	21.1	78	<0.1	65.5	29.7	797	4.55	1.7	<100	11.5	607	<0.1	0.1	0.1	158	2.97	0.290
1963292	Drill Core	6.60	4.9	94.9	10.1	145	0.1	48.9	20.4	562	3.85	11.6	<100	3.4	259	0.8	0.8	<0.1	152	2.49	0.144
1963293	Drill Core	7.66	6.6	80.2	8.2	202	0.1	41.9	19.1	664	4.01	13.3	<100	1.1	160	1.4	1.0	<0.1	210	2.81	0.103
1963294	Drill Core	6.80	6.5	77.9	7.7	192	0.1	40.2	18.7	724	3.82	13.5	<100	0.9	209	1.4	1.1	<0.1	195	4.63	0.105
1963295	Drill Core	6.10	5.7	81.1	8.6	179	0.1	40.6	18.8	697	4.00	12.8	<100	1.0	154	1.2	2.0	<0.1	188	3.46	0.102
1963296	Drill Core	7.42	10.1	82.7	8.8	234	0.2	44.9	20.4	751	4.28	14.1	<100	0.9	156	1.9	2.2	<0.1	200	3.47	0.102
1963297	Drill Core	8.28	4.7	85.7	9.0	252	0.2	42.2	21.1	741	3.98	12.3	<100	0.9	243	2.2	2.0	<0.1	192	4.41	0.100
1963298	Drill Core	7.95	5.6	88.7	11.6	130	0.1	43.6	19.9	718	4.20	12.6	<100	1.1	174	0.7	1.2	<0.1	155	3.81	0.104
1963299	Drill Core	8.39	5.4	83.2	9.8	127	0.1	44.2	19.0	664	3.97	12.4	<100	1.2	167	0.6	1.1	0.1	145	3.49	0.100
1963300	Rock Pulp	0.10	491.7	>2000	9.6	66	2.2	22.6	19.0	638	4.26	46.1	277	1.1	130	1.4	6.8	0.3	82	4.15	0.106
1963301	Drill Core	7.67	3.9	88.8	9.6	137	0.2	45.0	19.7	693	4.02	11.7	<100	1.2	179	0.7	1.1	<0.1	144	3.73	0.097
1963302	Drill Core	8.18	4.2	86.6	9.3	159	0.1	44.2	19.4	718	3.99	12.6	<100	1.2	263	1.0	1.5	<0.1	154	4.54	0.095
1963303	Drill Core	8.84	4.0	74.7	9.3	163	<0.1	39.9	17.9	700	3.74	11.5	<100	1.1	196	1.2	1.5	<0.1	163	3.93	0.088
1963304	Drill Core	7.61	5.7	84.1	8.5	221	0.1	47.1	19.9	716	4.27	16.4	<100	1.0	180	1.7	2.4	<0.1	214	3.80	0.093
1963305	Drill Core	6.23	7.9	77.8	8.9	217	0.1	41.9	18.0	598	3.93	12.8	<100	1.0	170	1.7	1.9	<0.1	209	3.09	0.092
1963306	Drill Core	5.30	8.0	88.3	10.5	267	0.2	47.6	21.1	746	4.40	13.2	<100	1.4	183	2.1	1.1	<0.1	256	3.22	0.098
1963307	Drill Core	8.80	0.3	128.0	13.9	80	<0.1	96.3	34.3	829	4.68	1.7	<100	6.6	507	0.2	0.1	<0.1	191	2.21	0.240
1963308	Drill Core	5.94	22.0	113.1	12.6	289	0.1	68.3	24.7	645	4.34	9.2	<100	3.1	316	3.4	1.8	0.1	193	2.37	0.140
1963309	Drill Core	5.91	16.4	90.8	7.2	187	0.1	41.9	20.2	471	3.86	4.4	<100	1.5	157	1.0	1.1	<0.1	180	2.78	0.106
1963310	Drill Core	4.66	4.6	101.7	9.1	304	0.2	52.1	22.7	517	4.18	5.1	<100	2.1	163	4.1	0.5	<0.1	198	2.09	0.121
1963311	Drill Core	8.80	3.4	161.1	42.4	70	0.1	97.9	34.1	826	4.71	1.2	<100	6.5	584	0.1	0.1	0.2	197	2.80	0.254
1963312	Drill Core	8.50	1.4	119.5	13.1	63	<0.1	212.6	43.7	881	4.53	0.9	<100	7.2	799	<0.1	<0.1	<0.1	141	2.40	0.226
1963313	Drill Core	6.43	2.3	82.5	9.5	72	<0.1	142.4	41.6	900	4.69	7.7	<100	6.4	733	<0.1	0.2	<0.1	194	3.79	0.248

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: KS7
 Report Date: September 24, 2012

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Part: 2 of 1

CERTIFICATE OF ANALYSIS

SMI12000325.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
G1-SMI	Prep Blank	9	6	0.49	146	0.100	1	0.86	0.065	0.44	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2
G1-SMI	Prep Blank	10	6	0.48	152	0.101	<1	0.82	0.062	0.44	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
1963286	Drill Core	38	98	1.98	1026	0.225	7	2.71	0.049	0.92	<0.1	<0.01	3.7	<0.1	<0.05	10	<0.5	<0.2
1963287	Drill Core	36	110	1.93	1079	0.227	7	2.54	0.045	0.91	<0.1	<0.01	3.3	<0.1	<0.05	9	<0.5	<0.2
1963288	Drill Core	28	134	2.31	593	0.169	6	2.46	0.041	0.39	<0.1	<0.01	4.6	<0.1	0.08	9	<0.5	<0.2
1963289	Drill Core	34	116	2.24	745	0.211	7	2.69	0.054	0.52	<0.1	<0.01	4.5	<0.1	<0.05	10	<0.5	<0.2
1963290	Drill Core	36	110	2.06	961	0.213	6	2.19	0.055	0.92	<0.1	<0.01	3.5	<0.1	<0.05	9	<0.5	<0.2
1963291	Drill Core	37	105	2.04	867	0.215	9	2.46	0.097	0.91	<0.1	<0.01	3.9	<0.1	<0.05	9	<0.5	<0.2
1963292	Drill Core	14	66	1.57	153	0.173	7	1.56	0.083	0.25	0.3	<0.01	5.1	0.4	0.97	10	1.3	<0.2
1963293	Drill Core	11	63	1.83	40	0.093	5	1.43	0.098	0.07	0.1	<0.01	9.3	0.3	1.26	9	2.1	<0.2
1963294	Drill Core	10	61	1.75	35	0.008	6	1.67	0.089	0.10	<0.1	<0.01	8.7	0.3	1.33	9	1.5	<0.2
1963295	Drill Core	10	62	1.82	36	0.030	7	1.89	0.087	0.17	<0.1	<0.01	8.3	0.2	1.23	9	2.1	<0.2
1963296	Drill Core	10	74	1.94	37	0.027	9	1.99	0.093	0.15	<0.1	0.01	8.7	0.2	1.43	9	3.0	<0.2
1963297	Drill Core	10	67	1.96	33	0.012	9	2.02	0.080	0.13	<0.1	0.02	8.8	0.2	0.99	10	2.6	<0.2
1963298	Drill Core	11	57	1.83	43	0.046	11	2.00	0.097	0.20	<0.1	0.03	8.8	0.2	1.41	9	1.2	<0.2
1963299	Drill Core	11	58	1.87	41	0.078	12	2.02	0.091	0.21	<0.1	0.04	8.5	0.3	1.13	9	1.0	<0.2
1963300	Rock Pulp	9	26	1.27	77	0.006	4	1.38	0.089	0.21	3.2	0.21	7.6	<0.1	1.74	5	5.9	0.3
1963301	Drill Core	11	64	1.91	41	0.086	15	2.09	0.091	0.19	<0.1	0.04	8.9	0.3	1.03	9	0.8	<0.2
1963302	Drill Core	11	60	1.86	43	0.142	13	2.12	0.081	0.19	0.2	0.04	9.7	0.4	1.03	9	1.2	<0.2
1963303	Drill Core	10	67	1.89	43	0.160	10	2.04	0.094	0.16	0.1	0.03	10.2	0.3	0.96	9	1.4	<0.2
1963304	Drill Core	11	72	1.87	41	0.207	10	2.00	0.103	0.16	0.2	0.02	11.7	0.2	1.67	9	2.9	<0.2
1963305	Drill Core	11	62	1.86	37	0.156	7	1.65	0.097	0.12	0.1	0.01	10.0	0.4	1.41	9	2.6	<0.2
1963306	Drill Core	10	88	2.11	107	0.215	6	1.59	0.116	0.06	0.4	<0.01	12.5	0.3	1.63	10	2.9	<0.2
1963307	Drill Core	24	196	2.54	930	0.229	8	2.31	0.087	1.02	<0.1	<0.01	4.3	<0.1	0.07	8	<0.5	<0.2
1963308	Drill Core	14	114	2.44	188	0.213	9	1.74	0.126	0.39	0.6	<0.01	8.7	0.4	1.18	9	2.4	<0.2
1963309	Drill Core	9	64	1.63	30	0.169	10	2.05	0.100	0.09	1.1	0.01	6.8	0.2	1.28	12	4.4	<0.2
1963310	Drill Core	11	91	1.87	118	0.190	7	1.98	0.097	0.25	0.6	<0.01	6.4	0.2	0.92	11	3.4	<0.2
1963311	Drill Core	24	200	2.69	883	0.238	7	2.42	0.163	1.00	<0.1	<0.01	5.7	0.1	<0.05	8	<0.5	<0.2
1963312	Drill Core	25	290	3.73	820	0.220	10	2.17	0.274	1.01	<0.1	<0.01	4.1	0.1	<0.05	6	<0.5	<0.2
1963313	Drill Core	25	227	3.28	857	0.261	15	2.65	0.165	1.39	<0.1	<0.01	6.1	0.2	0.07	10	<0.5	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

SMI12000325.1

Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	100	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1963314	Drill Core	5.40	6.5	85.6	7.2	150	<0.1	85.7	29.5	770	4.35	7.1	<100	4.6	604	0.9	0.4	<0.1	185	4.73	0.190
1963315	Rock Pulp	0.09	62.6	>2000	12.0	64	3.0	27.5	9.4	386	2.93	10.6	608	0.9	30	0.8	6.1	0.8	50	0.68	0.049
1963316	Drill Core	10.14	12.4	100.0	7.5	256	0.1	53.5	21.0	510	3.83	10.7	<100	1.4	216	2.3	1.1	<0.1	200	3.38	0.102
1963317	Drill Core	7.91	0.1	134.3	12.1	71	<0.1	97.4	34.2	772	4.67	0.8	<100	6.6	585	0.1	<0.1	<0.1	197	2.48	0.261
1963318	Drill Core	5.21	0.2	127.6	13.5	68	<0.1	99.3	35.5	774	4.71	0.9	<100	6.5	526	<0.1	<0.1	<0.1	198	2.74	0.253
1963319	Drill Core	5.30	<0.1	132.4	14.8	65	<0.1	92.8	34.8	768	4.60	0.9	<100	6.5	574	<0.1	<0.1	<0.1	196	2.65	0.248
1963320	Drill Core	5.20	<0.1	120.5	12.4	66	<0.1	86.6	32.4	787	4.76	1.4	<100	5.8	563	<0.1	<0.1	<0.1	185	2.43	0.258
1963321	Drill Core	5.61	0.6	122.3	15.3	73	<0.1	84.7	32.3	740	4.71	2.6	<100	6.1	564	0.2	0.2	0.1	169	2.73	0.270
1963322	Drill Core	5.20	3.4	96.2	10.3	168	0.1	98.8	28.6	475	3.74	3.2	<100	3.5	385	1.2	0.2	0.1	151	2.76	0.166
1963323	Drill Core	5.84	0.1	115.1	13.4	63	<0.1	206.0	41.3	826	4.58	0.6	<100	6.4	621	<0.1	<0.1	0.1	142	1.89	0.240
1963324	Drill Core	5.17	0.1	113.4	11.6	64	<0.1	220.1	44.0	841	4.72	0.7	<100	6.5	658	<0.1	<0.1	<0.1	150	1.93	0.238
1963325	Drill Core	5.40	<0.1	112.9	12.3	64	<0.1	227.3	43.1	873	4.77	<0.5	<100	6.4	851	<0.1	<0.1	<0.1	153	1.89	0.246
1963326	Drill Core	5.70	0.1	103.8	10.9	64	<0.1	236.5	45.5	878	4.89	0.6	<100	5.7	694	<0.1	<0.1	<0.1	151	1.69	0.231
1963327	Drill Core	6.36	<0.1	105.0	11.3	60	<0.1	230.4	41.7	852	4.90	0.6	<100	6.0	675	<0.1	<0.1	<0.1	154	1.94	0.237
1963328	Drill Core	5.07	<0.1	111.6	12.2	61	<0.1	223.7	42.8	847	4.77	0.7	<100	5.8	595	<0.1	<0.1	<0.1	149	1.86	0.237
1963329	Drill Core	4.76	0.2	111.6	13.2	61	<0.1	233.5	46.0	818	4.68	0.6	<100	5.9	619	<0.1	<0.1	<0.1	141	2.11	0.238
1963330	Rock	0.84	<0.1	1.1	0.2	1	<0.1	0.6	0.4	30	0.03	<0.5	<100	<0.1	4234	<0.1	<0.1	<0.1	<2	35.74	0.006
1963331	Drill Core	5.23	0.1	114.1	13.6	61	<0.1	217.2	42.1	828	4.59	<0.5	<100	6.3	612	<0.1	<0.1	<0.1	139	2.07	0.245
1963332	Drill Core	7.94	0.4	114.0	13.7	65	<0.1	220.6	43.6	842	4.73	1.6	<100	6.5	662	<0.1	<0.1	<0.1	144	2.30	0.249
1963333	Drill Core	4.92	3.7	82.6	7.5	245	0.2	43.3	20.9	545	4.48	8.9	<100	1.2	189	2.0	0.6	<0.1	203	2.43	0.109
1963334	Drill Core	6.16	4.2	69.4	5.8	161	0.1	44.3	22.4	798	5.06	9.2	<100	0.8	224	1.1	0.6	<0.1	228	3.81	0.106
1963335	Drill Core	7.74	8.3	72.3	6.6	223	0.1	41.1	19.8	776	4.96	12.4	<100	0.8	218	2.1	2.2	<0.1	213	4.52	0.101
1963336	Drill Core	7.16	4.3	57.2	5.3	112	<0.1	35.8	18.2	997	4.23	10.9	<100	0.7	319	0.6	2.6	<0.1	165	9.25	0.096
1963337	Drill Core	7.62	14.0	73.9	7.7	212	0.1	40.8	19.5	750	4.31	12.2	<100	0.7	270	1.7	2.5	<0.1	216	5.26	0.106
1963338	Drill Core	7.35	4.8	73.7	7.1	153	0.1	40.2	19.3	722	4.53	11.5	<100	0.8	237	1.2	1.2	<0.1	205	4.82	0.106
1963339	Drill Core	6.66	5.9	76.5	6.7	153	0.1	44.9	21.2	787	4.76	11.9	<100	0.8	194	0.9	1.2	<0.1	213	3.81	0.103
1963340	Drill Core	9.37	4.5	75.8	7.0	159	<0.1	42.9	20.1	737	4.51	11.4	<100	0.9	201	1.1	1.4	<0.1	181	3.88	0.102
1963341	Drill Core	5.58	4.3	75.5	6.4	215	0.1	44.5	21.1	758	4.60	12.2	<100	0.9	211	1.7	1.7	<0.1	187	3.68	0.103
1963342	Drill Core	6.47	5.5	73.9	6.6	224	0.1	41.6	19.9	747	4.44	13.8	<100	0.9	222	1.8	1.9	<0.1	180	4.00	0.101
1963343	Drill Core	7.46	4.4	67.6	6.8	155	0.1	39.5	19.0	724	4.31	12.3	<100	0.8	231	1.0	1.1	<0.1	165	4.01	0.102

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Serengeti Resources**
1700 - 750 W. Pender Street
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SMI12000325.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1963314	Drill Core	18	159	2.07	329	0.229	15	2.18	0.109	0.51	0.3	<0.01	7.1	0.4	0.51	10	0.9	<0.2
1963315	Rock Pulp	3	41	0.68	81	0.098	3	1.38	0.081	0.13	2.4	0.06	3.9	<0.1	0.71	5	1.8	0.2
1963316	Drill Core	9	80	1.56	44	0.189	9	1.89	0.099	0.09	1.1	<0.01	6.4	0.7	1.42	12	4.1	<0.2
1963317	Drill Core	25	191	2.45	861	0.230	9	2.25	0.089	0.86	<0.1	<0.01	5.3	<0.1	0.06	8	<0.5	<0.2
1963318	Drill Core	24	198	2.64	744	0.223	10	2.33	0.107	0.82	<0.1	<0.01	5.5	<0.1	<0.05	8	<0.5	<0.2
1963319	Drill Core	24	184	2.55	804	0.214	11	2.15	0.104	0.88	<0.1	<0.01	4.3	<0.1	<0.05	8	<0.5	<0.2
1963320	Drill Core	23	179	2.54	922	0.176	9	2.28	0.099	0.90	<0.1	<0.01	4.4	<0.1	<0.05	8	<0.5	<0.2
1963321	Drill Core	23	186	2.59	505	0.195	21	2.54	0.098	0.67	0.1	<0.01	4.7	0.3	0.20	8	<0.5	<0.2
1963322	Drill Core	15	152	2.74	203	0.162	22	2.67	0.132	0.47	0.2	<0.01	5.4	0.4	0.59	9	2.1	<0.2
1963323	Drill Core	24	287	4.08	1072	0.183	13	2.59	0.117	1.09	<0.1	<0.01	2.6	0.2	<0.05	7	<0.5	<0.2
1963324	Drill Core	24	309	4.54	1128	0.208	16	2.73	0.140	1.13	<0.1	<0.01	3.1	<0.1	<0.05	7	<0.5	<0.2
1963325	Drill Core	23	306	4.62	1143	0.210	73	2.60	0.131	1.24	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
1963326	Drill Core	21	334	4.84	1058	0.196	17	2.43	0.152	1.22	<0.1	<0.01	4.1	<0.1	<0.05	7	<0.5	<0.2
1963327	Drill Core	22	328	4.81	1065	0.202	28	2.45	0.147	1.20	<0.1	<0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
1963328	Drill Core	22	323	4.74	1104	0.198	16	2.56	0.138	1.19	<0.1	<0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
1963329	Drill Core	22	331	5.00	1030	0.215	13	2.87	0.162	1.07	<0.1	<0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
1963330	Rock	<1	2	1.97	7	0.002	<1	0.04	0.004	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
1963331	Drill Core	23	307	4.70	957	0.206	15	2.72	0.168	0.91	<0.1	<0.01	3.6	<0.1	<0.05	7	<0.5	<0.2
1963332	Drill Core	24	321	4.45	1000	0.225	17	2.72	0.144	1.06	<0.1	<0.01	4.0	0.2	0.06	7	<0.5	<0.2
1963333	Drill Core	9	79	2.18	61	0.228	30	1.60	0.172	0.15	0.3	<0.01	10.3	0.3	1.14	10	2.4	<0.2
1963334	Drill Core	8	119	2.43	86	0.287	8	1.88	0.157	0.13	0.2	<0.01	17.4	0.3	1.38	10	0.9	<0.2
1963335	Drill Core	9	84	2.05	44	0.174	9	1.71	0.110	0.10	0.1	<0.01	13.4	0.1	2.46	9	3.5	<0.2
1963336	Drill Core	8	85	1.75	49	0.163	7	1.45	0.099	0.08	0.1	<0.01	13.4	0.2	2.17	7	1.6	<0.2
1963337	Drill Core	10	70	1.89	34	0.126	7	1.73	0.090	0.08	<0.1	<0.01	12.5	0.1	1.44	10	2.7	<0.2
1963338	Drill Core	10	75	2.16	40	0.196	7	1.89	0.096	0.08	0.1	0.02	13.2	0.2	1.46	10	1.7	<0.2
1963339	Drill Core	9	85	2.24	52	0.149	10	2.10	0.113	0.11	<0.1	0.03	13.7	0.3	1.49	10	1.6	<0.2
1963340	Drill Core	9	73	2.11	51	0.128	14	2.23	0.128	0.17	<0.1	0.02	12.5	0.3	1.15	9	1.1	<0.2
1963341	Drill Core	9	79	2.14	58	0.095	17	2.44	0.155	0.23	<0.1	0.04	13.2	0.3	1.14	9	2.1	<0.2
1963342	Drill Core	10	71	2.05	52	0.032	14	2.24	0.118	0.22	<0.1	0.05	11.7	0.2	1.42	8	2.6	<0.2
1963343	Drill Core	10	69	2.06	54	0.017	15	2.23	0.106	0.20	<0.1	0.04	9.9	0.2	1.29	9	1.5	<0.2

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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	100	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1963344	Drill Core	7.27	5.0	73.2	6.5	165	0.1	39.6	19.4	746	4.37	12.2	<100	0.9	220	1.1	1.2	<0.1	160	3.87	0.099
1963345	Drill Core	4.31	4.4	76.7	6.5	182	0.1	43.6	21.5	764	4.63	11.9	<100	0.8	176	1.4	1.3	<0.1	171	3.34	0.105
1963346	Drill Core	3.15	5.8	79.0	6.6	190	0.1	46.3	21.1	691	4.75	12.3	<100	0.8	166	1.5	1.3	<0.1	174	2.80	0.101
1963347	Drill Core	6.89	5.9	71.7	6.5	192	0.1	40.4	19.8	765	4.41	11.9	<100	0.9	211	1.4	1.4	<0.1	171	3.93	0.103
1963348	Drill Core	8.47	5.1	72.4	7.0	214	0.1	40.4	19.6	746	4.33	11.7	<100	0.8	227	1.6	1.7	<0.1	164	4.47	0.104
1963349	Drill Core	7.58	5.2	70.9	6.7	200	0.1	39.2	20.2	787	4.47	11.3	<100	0.8	219	1.6	1.6	<0.1	174	4.15	0.098
1963350	Drill Core	7.36	5.0	73.6	6.5	191	<0.1	36.4	18.7	722	4.31	11.8	<100	0.8	190	1.4	1.2	<0.1	162	3.83	0.107
1963351	Drill Core	7.16	5.2	72.3	7.0	136	<0.1	38.7	19.4	835	4.22	11.4	<100	0.9	198	0.8	1.0	<0.1	145	4.45	0.107
1963352	Drill Core	7.61	6.2	64.7	7.0	119	<0.1	33.1	17.3	732	4.09	9.7	<100	1.1	209	0.5	0.7	<0.1	118	4.11	0.101
1963353	Drill Core	7.79	6.8	70.8	7.4	135	0.1	39.7	18.8	750	4.22	10.9	<100	1.1	201	0.8	0.9	<0.1	131	4.27	0.100
1963354	Drill Core	8.98	4.7	68.5	7.2	133	0.1	36.1	18.1	780	4.06	11.5	<100	1.1	220	0.8	0.9	<0.1	124	5.10	0.098
1963355	Drill Core	8.52	2.9	536.0	3.0	40	0.3	3.5	6.5	575	1.95	4.5	<100	5.0	121	0.1	0.4	<0.1	27	2.47	0.054



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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 Vancouver BC V6C 2T8 CANADA

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
1963344	Drill Core	9	64	1.98	54	0.018	14	2.25	0.118	0.24	<0.1	0.04	10.7	0.2	1.29	8	1.2	<0.2
1963345	Drill Core	9	76	2.03	52	0.022	14	2.31	0.107	0.24	<0.1	0.04	11.9	0.2	1.29	9	1.5	<0.2
1963346	Drill Core	8	65	2.06	48	0.028	13	2.33	0.108	0.24	<0.1	0.04	10.8	0.2	1.44	9	2.0	<0.2
1963347	Drill Core	9	66	1.95	60	0.042	13	2.26	0.133	0.23	<0.1	0.03	11.5	0.2	1.28	9	1.5	<0.2
1963348	Drill Core	9	64	1.89	57	0.012	12	2.23	0.100	0.21	<0.1	0.03	9.7	0.2	1.18	9	2.2	<0.2
1963349	Drill Core	9	80	2.04	54	0.026	14	2.34	0.109	0.20	<0.1	0.04	11.9	0.2	1.18	9	2.1	<0.2
1963350	Drill Core	9	58	1.93	55	0.043	13	2.21	0.124	0.22	<0.1	0.03	10.0	0.2	1.25	9	1.4	<0.2
1963351	Drill Core	10	58	1.87	56	0.062	13	2.26	0.123	0.26	<0.1	0.04	10.9	0.2	1.28	8	1.1	<0.2
1963352	Drill Core	11	44	1.81	53	0.091	24	2.37	0.127	0.36	<0.1	0.03	10.5	0.2	1.15	8	1.2	<0.2
1963353	Drill Core	10	54	1.83	53	0.127	21	2.33	0.114	0.31	<0.1	0.03	10.7	0.2	1.29	8	1.3	<0.2
1963354	Drill Core	10	48	1.68	53	0.144	21	2.26	0.120	0.30	<0.1	0.02	10.4	0.2	1.20	8	0.7	<0.2
1963355	Drill Core	15	5	0.30	404	0.004	3	0.72	0.083	0.33	0.1	0.02	2.5	<0.1	0.38	3	<0.5	<0.2



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Serengeti Resources**
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8 CANADA

Project: KS7
Report Date: September 24, 2012

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QUALITY CONTROL REPORT

SMI12000325.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	100	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1963312	Drill Core	8.50	1.4	119.5	13.1	63	<0.1	212.6	43.7	881	4.53	0.9	<100	7.2	799	<0.1	<0.1	<0.1	141	2.40	0.226
REP 1963312	QC		1.3	118.9	12.6	63	<0.1	209.9	42.7	866	4.42	0.5	<100	6.8	783	<0.1	<0.1	<0.1	139	2.37	0.220
1963319	Drill Core	5.30	<0.1	132.4	14.8	65	<0.1	92.8	34.8	768	4.60	0.9	<100	6.5	574	<0.1	<0.1	<0.1	196	2.65	0.248
REP 1963319	QC		<0.1	132.4	14.8	66	<0.1	92.0	35.0	775	4.64	1.1	<100	6.8	580	<0.1	<0.1	<0.1	195	2.65	0.256
1963323	Drill Core	5.84	0.1	115.1	13.4	63	<0.1	206.0	41.3	826	4.58	0.6	<100	6.4	621	<0.1	<0.1	0.1	142	1.89	0.240
REP 1963323	QC		<0.1	116.6	13.9	63	<0.1	205.1	41.3	839	4.63	0.7	<100	6.6	616	<0.1	<0.1	<0.1	142	1.93	0.237
1963324	Drill Core	5.17	0.1	113.4	11.6	64	<0.1	220.1	44.0	841	4.72	0.7	<100	6.5	658	<0.1	<0.1	<0.1	150	1.93	0.238
REP 1963324	QC		<0.1	119.4	12.1	65	<0.1	221.1	44.8	856	4.75	0.7	<100	6.4	661	<0.1	<0.1	<0.1	150	1.97	0.237
Reference Materials																					
STD DS9	Standard		13.2	112.9	128.6	322	2.1	42.1	7.8	570	2.30	26.4	129	6.8	69	2.3	5.8	7.0	39	0.71	0.081
STD DS9	Standard		13.8	109.9	120.9	315	1.8	42.1	7.8	591	2.42	26.2	123	6.4	70	2.7	6.1	6.4	41	0.77	0.087
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<100	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	0.6	0.1	2	0.01	<0.5	<100	<0.1	3	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.1	6.5	3.7	42	<0.1	3.1	4.4	504	1.77	<0.5	<100	5.1	52	<0.1	<0.1	<0.1	32	0.44	0.071
G1-SMI	Prep Blank	<0.01	<0.1	2.9	3.6	44	<0.1	2.4	3.8	524	1.79	<0.5	<100	5.1	51	<0.1	<0.1	<0.1	33	0.43	0.079



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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Project: KS7
Report Date: September 24, 2012

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QUALITY CONTROL REPORT

SMI12000325.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1963312	Drill Core	25	290	3.73	820	0.220	10	2.17	0.274	1.01	<0.1	<0.01	4.1	0.1	<0.05	6	<0.5	<0.2
REP 1963312	QC	24	275	3.65	791	0.210	10	2.14	0.273	0.99	<0.1	<0.01	3.9	0.1	<0.05	6	<0.5	<0.2
1963319	Drill Core	24	184	2.55	804	0.214	11	2.15	0.104	0.88	<0.1	<0.01	4.3	<0.1	<0.05	8	<0.5	<0.2
REP 1963319	QC	24	186	2.58	811	0.212	9	2.17	0.107	0.88	<0.1	<0.01	4.4	<0.1	<0.05	8	<0.5	<0.2
1963323	Drill Core	24	287	4.08	1072	0.183	13	2.59	0.117	1.09	<0.1	<0.01	2.6	0.2	<0.05	7	<0.5	<0.2
REP 1963323	QC	25	292	4.12	1052	0.190	12	2.61	0.118	1.09	<0.1	<0.01	2.7	0.1	<0.05	7	<0.5	<0.2
1963324	Drill Core	24	309	4.54	1128	0.208	16	2.73	0.140	1.13	<0.1	<0.01	3.1	<0.1	<0.05	7	<0.5	<0.2
REP 1963324	QC	24	320	4.61	1140	0.213	14	2.78	0.142	1.14	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	13	122	0.62	304	0.113	2	0.92	0.077	0.39	3.1	0.23	2.4	5.6	0.16	5	4.9	5.5
STD DS9	Standard	14	124	0.64	310	0.115	1	1.01	0.094	0.43	3.1	0.22	2.7	5.6	0.17	5	5.1	5.4
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	2	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1-SMI	Prep Blank	9	6	0.49	146	0.100	1	0.86	0.065	0.44	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2
G1-SMI	Prep Blank	10	6	0.48	152	0.101	<1	0.82	0.062	0.44	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8 CANADA

Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: September 04, 2012
Report Date: September 30, 2012
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CERTIFICATE OF ANALYSIS

SMI12000326.1

CLIENT JOB INFORMATION

Project: 174
Shipment ID: 2012 - 8
P.O. Number
Number of Samples: 171

SAMPLE DISPOSAL

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

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

Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 1DX2, 7AR, and G601.

ADDITIONAL COMMENTS



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



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 Phone (604) 253-3158 Fax (604) 253-1716

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Project: 174
 Report Date: September 30, 2012

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CERTIFICATE OF ANALYSIS

SMI12000326.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1-SMI	Prep Blank	<0.01	0.1	2.6	2.3	43	<0.1	2.7	4.0	572	1.87	<0.5	1.3	<0.5	4.8	54	<0.1	<0.1	0.2	34	0.43
G1-SMI	Prep Blank	<0.01	<0.1	2.6	2.1	43	<0.1	2.3	4.2	555	1.86	<0.5	1.6	2.4	5.2	54	<0.1	<0.1	0.1	34	0.41
1963356	Drill Core	4.96	3.8	168.0	2.9	26	0.1	2.0	7.8	369	1.16	5.1	1.1	23.4	5.5	110	0.1	0.5	0.1	14	1.93
1963357	Drill Core	3.93	4.5	1461	2.3	65	0.6	2.6	10.5	899	4.38	20.3	0.3	38.6	0.8	204	0.1	0.8	0.1	152	3.87
1963358	Drill Core	4.67	9.1	2447	2.9	67	1.1	3.2	27.5	814	4.73	16.8	0.3	93.2	0.9	132	0.1	1.0	0.2	150	2.99
1963359	Drill Core	4.74	21.3	1973	2.6	82	0.8	2.6	21.4	808	4.27	18.9	0.3	145.6	1.0	314	0.1	0.9	0.2	137	3.44
1963360	Rock Pulp	0.10	492.1	3120	9.6	65	2.2	23.4	19.6	637	4.30	44.3	0.5	391.6	1.2	123	1.5	6.5	0.3	78	4.23
1963361	Drill Core	5.04	17.1	1801	4.0	85	0.8	2.4	31.4	816	4.55	18.8	0.3	86.4	1.0	129	0.2	0.7	0.2	157	2.81
1963362	Drill Core	4.99	15.1	992.5	3.5	82	0.6	3.2	45.8	731	4.86	16.4	0.3	73.7	0.9	143	0.2	0.9	0.4	140	2.61
1963363	Drill Core	4.79	15.5	1830	3.8	88	0.9	3.4	40.1	968	4.82	16.0	0.2	74.1	1.0	156	0.2	0.8	0.2	152	3.67
1963364	Drill Core	5.27	7.6	1679	3.6	90	1.6	3.5	49.8	1071	5.74	14.5	0.2	67.2	1.0	243	0.2	0.8	0.5	146	3.51
1963365	Drill Core	5.00	18.7	1111	3.3	107	0.9	3.3	37.7	1063	5.44	19.0	0.2	111.3	1.2	181	0.1	0.7	0.3	155	2.67
1963366	Drill Core	4.61	12.4	723.7	17.6	98	2.0	2.8	22.9	1067	3.74	25.4	0.4	1807	1.0	181	0.5	2.7	0.2	106	4.49
1963367	Drill Core	4.97	30.1	1142	3.8	101	0.8	3.1	30.5	958	4.68	15.2	0.2	152.1	0.9	204	0.2	0.7	0.2	158	3.68
1963368	Drill Core	5.08	22.8	1421	4.7	89	0.9	2.5	30.9	876	4.73	19.6	0.2	92.3	0.9	194	0.1	0.9	0.2	138	3.90
1963369	Drill Core	4.74	10.5	1564	4.0	100	0.9	2.9	30.2	1085	4.82	17.3	0.2	102.4	0.8	226	0.3	0.8	0.3	135	4.41
1963370	Drill Core	3.70	12.9	1405	5.1	94	0.9	2.6	31.3	1280	4.40	14.7	0.2	122.7	0.8	309	<0.1	0.5	0.2	112	4.76
1963371	Drill Core	4.04	2.2	68.5	4.1	67	0.1	2.7	9.0	837	2.45	7.7	0.4	25.3	2.5	208	<0.1	0.8	<0.1	51	3.29
1963372	Drill Core	4.98	2.1	119.5	5.1	61	0.2	3.6	12.9	765	3.51	10.0	0.4	38.1	1.9	79	0.2	0.7	<0.1	76	2.91
1963373	Drill Core	5.30	1.6	101.9	3.6	57	0.2	3.4	9.8	750	3.49	9.6	0.4	27.4	1.7	122	<0.1	1.3	<0.1	78	2.88
1963374	Drill Core	5.22	1.5	72.6	3.8	50	0.1	3.8	12.3	723	3.21	8.7	0.4	15.9	1.9	113	<0.1	0.6	<0.1	75	2.55
1963375	Rock Pulp	0.10	62.7	7146	12.0	61	2.9	27.1	9.3	399	2.95	10.4	0.3	593.6	0.9	35	0.8	5.9	0.8	51	0.70
1963376	Drill Core	4.97	1.6	94.6	2.7	59	0.1	4.4	11.5	797	3.29	7.9	0.4	15.5	1.9	112	<0.1	0.7	<0.1	81	2.76
1963377	Drill Core	4.79	1.6	63.4	3.1	55	<0.1	4.2	10.6	817	3.36	7.1	0.4	17.8	1.8	68	<0.1	0.8	<0.1	83	2.51
1963378	Drill Core	4.85	1.4	83.9	3.3	47	<0.1	3.9	9.4	755	3.12	9.6	0.4	23.2	1.8	170	<0.1	0.7	<0.1	79	3.29
1963379	Drill Core	5.12	1.4	38.9	2.9	50	<0.1	4.1	10.5	776	3.02	10.9	0.5	9.2	1.9	71	<0.1	1.1	<0.1	72	3.56
1963380	Drill Core	4.75	1.6	43.3	3.1	52	<0.1	3.6	10.3	819	3.11	10.4	0.5	11.6	1.9	120	<0.1	0.9	<0.1	73	3.57
1963381	Drill Core	4.91	1.6	48.2	2.6	48	<0.1	4.1	9.4	790	3.29	8.7	0.5	9.3	2.0	161	<0.1	0.7	<0.1	76	3.91
1963382	Drill Core	4.94	1.5	103.3	2.7	53	<0.1	4.0	8.0	750	3.56	8.3	0.3	15.3	1.6	95	<0.1	0.5	<0.1	71	2.90
1963383	Drill Core	5.15	1.2	2259	3.5	70	1.5	2.0	29.6	1018	4.69	19.7	0.2	160.6	0.9	226	0.2	0.8	0.2	135	3.50

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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 Vancouver BC V6C 2T8 CANADA

Project: 174
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CERTIFICATE OF ANALYSIS

SMI12000326.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
G1-SMI	Prep Blank	0.070	10	6	0.51	146	0.108	1	0.89	0.076	0.48	<0.1	<0.01	1.9	0.4	<0.05	4	<0.5	<0.2		
G1-SMI	Prep Blank	0.068	10	6	0.48	138	0.105	<1	0.83	0.061	0.47	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2		
1963356	Drill Core	0.046	14	3	0.22	306	0.001	2	0.40	0.065	0.24	0.1	<0.01	1.6	<0.1	0.26	2	<0.5	<0.2		
1963357	Drill Core	0.143	8	3	1.39	99	0.048	2	1.81	0.095	0.21	<0.1	<0.01	10.7	<0.1	0.99	7	1.2	<0.2		
1963358	Drill Core	0.155	7	2	1.59	63	0.063	2	2.06	0.088	0.32	0.1	<0.01	10.8	<0.1	2.02	9	1.9	0.5	0.260	
1963359	Drill Core	0.144	9	2	1.64	46	0.046	5	2.10	0.097	0.38	0.2	0.02	9.0	0.1	2.69	8	2.4	0.4	0.159	
1963360	Rock Pulp	0.105	9	26	1.20	49	0.006	3	1.36	0.075	0.18	3.2	0.22	7.5	<0.1	1.63	5	5.6	0.2	0.325 0.271	
1963361	Drill Core	0.144	5	3	1.71	67	0.102	4	2.32	0.131	0.36	0.2	0.02	9.2	<0.1	1.82	8	1.9	0.4		
1963362	Drill Core	0.146	4	3	1.79	51	0.085	3	2.25	0.117	0.27	0.2	0.04	8.1	<0.1	2.78	9	2.1	1.0		
1963363	Drill Core	0.156	9	2	1.84	66	0.083	3	2.55	0.144	0.58	<0.1	0.01	11.5	0.2	2.16	8	2.3	0.3		
1963364	Drill Core	0.137	9	2	1.64	42	0.093	5	2.22	0.127	0.64	0.1	0.01	11.3	0.2	2.89	8	3.4	0.5		
1963365	Drill Core	0.144	7	2	1.83	55	0.087	2	2.58	0.172	0.66	<0.1	0.02	11.5	0.2	2.36	9	2.4	0.7	0.089	
1963366	Drill Core	0.146	10	1	1.40	73	0.022	3	1.71	0.133	0.47	<0.1	0.06	8.8	0.1	1.84	5	1.9	0.8	1.965	
1963367	Drill Core	0.144	6	3	2.06	50	0.098	3	2.35	0.094	0.36	<0.1	0.04	9.1	<0.1	2.87	9	3.4	0.4	0.160	
1963368	Drill Core	0.136	6	2	1.80	34	0.074	3	2.18	0.086	0.31	0.1	0.04	8.0	<0.1	3.74	7	3.2	0.5		
1963369	Drill Core	0.134	9	2	1.51	41	0.035	4	2.06	0.104	0.47	<0.1	0.02	9.7	0.1	2.59	7	2.5	0.4	0.093	
1963370	Drill Core	0.143	11	1	1.36	55	0.010	3	1.85	0.107	0.29	<0.1	0.03	8.0	<0.1	1.65	6	2.4	0.5	0.107	
1963371	Drill Core	0.114	13	2	0.67	717	0.003	3	1.18	0.080	0.14	0.1	<0.01	4.0	<0.1	0.23	5	<0.5	<0.2		
1963372	Drill Core	0.144	12	3	1.01	220	0.007	2	1.47	0.102	0.10	<0.1	<0.01	6.6	<0.1	0.07	8	<0.5	<0.2		
1963373	Drill Core	0.137	11	2	1.06	427	0.008	2	1.36	0.111	0.08	<0.1	<0.01	6.7	<0.1	0.05	8	<0.5	<0.2		
1963374	Drill Core	0.144	10	2	1.09	329	0.009	3	1.45	0.110	0.09	<0.1	<0.01	6.4	<0.1	<0.05	7	<0.5	<0.2		
1963375	Rock Pulp	0.049	3	40	0.69	83	0.103	4	1.44	0.084	0.13	2.4	0.08	4.0	<0.1	0.69	5	2.1	0.3	0.737 0.602	
1963376	Drill Core	0.145	10	3	1.11	340	0.006	3	1.56	0.086	0.10	<0.1	<0.01	6.7	<0.1	0.05	8	<0.5	<0.2		
1963377	Drill Core	0.137	9	3	1.23	173	0.006	3	1.58	0.087	0.09	<0.1	<0.01	6.5	<0.1	<0.05	8	<0.5	<0.2		
1963378	Drill Core	0.143	11	3	1.08	615	0.005	3	1.26	0.085	0.09	<0.1	<0.01	6.9	<0.1	<0.05	7	<0.5	<0.2		
1963379	Drill Core	0.151	11	3	0.86	205	0.005	3	1.36	0.097	0.15	<0.1	<0.01	6.1	<0.1	<0.05	6	<0.5	<0.2		
1963380	Drill Core	0.139	11	3	0.88	295	0.004	2	1.15	0.090	0.11	<0.1	<0.01	6.4	<0.1	<0.05	6	<0.5	<0.2		
1963381	Drill Core	0.139	11	3	0.85	610	0.004	5	1.28	0.103	0.14	<0.1	<0.01	6.5	<0.1	0.07	7	<0.5	<0.2		
1963382	Drill Core	0.147	10	2	0.81	182	0.003	3	1.25	0.097	0.16	0.2	<0.01	5.4	<0.1	0.06	6	<0.5	<0.2		
1963383	Drill Core	0.198	11	<1	1.42	70	0.007	6	1.93	0.108	0.24	0.4	0.03	8.4	<0.1	1.22	7	1.4	0.5	0.252 0.184	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 174
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CERTIFICATE OF ANALYSIS

SMI12000326.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963384	Drill Core	5.05	0.7	974.4	2.0	64	0.6	0.7	12.2	1126	3.96	17.6	0.2	95.7	0.9	131	0.2	0.6	<0.1	144	4.63
1963385	Drill Core	5.08	1.2	643.9	1.8	65	0.4	1.1	14.1	1150	4.57	15.4	0.2	34.4	0.7	123	<0.1	0.4	<0.1	163	4.50
1963386	Drill Core	3.97	7.7	944.7	2.5	84	0.6	1.4	26.7	1096	4.42	15.6	0.3	64.6	0.7	131	0.1	0.6	<0.1	122	3.62
1963387	Drill Core	3.78	2.4	155.5	1.5	52	0.1	1.6	13.3	741	2.67	9.3	0.3	18.1	1.9	316	0.1	0.5	<0.1	46	3.57
1963388	Drill Core	4.82	64.7	6196	6.4	65	2.8	2.0	39.9	871	4.41	22.7	0.2	224.5	0.8	227	0.3	0.6	0.4	71	5.16
1963389	Drill Core	4.86	8.1	1142	6.5	146	0.6	1.6	22.7	1306	4.71	18.9	0.3	58.1	1.0	179	0.3	0.4	0.1	136	3.04
1963390	Rock	0.90	0.1	9.7	<0.1	<1	<0.1	<0.1	0.6	27	0.14	0.8	1.1	<0.5	<0.1	3896	<0.1	<0.1	<0.1	<2	32.54
1963391	Drill Core	4.10	5.4	907.8	5.4	163	0.5	1.2	18.6	1435	4.76	13.0	0.2	33.4	0.8	170	0.2	0.2	<0.1	143	3.45
1963392	Drill Core	4.28	2.6	1264	7.8	565	1.1	1.1	18.0	1540	4.75	49.0	0.2	98.5	0.7	530	3.4	0.8	0.1	94	4.63
1963393	Drill Core	2.68	19.0	1317	9.9	231	1.0	1.3	26.0	1516	4.43	70.1	0.2	52.7	0.7	284	0.8	1.0	0.1	91	3.70
1963394	Drill Core	4.45	2.9	1229	20.6	474	1.0	1.8	18.1	1823	4.73	30.8	0.5	61.7	0.9	361	2.8	0.4	<0.1	134	4.26
1963395	Drill Core	4.97	6.6	1205	21.0	265	0.8	1.5	28.1	1680	4.75	34.4	0.4	64.4	0.9	231	1.3	1.6	<0.1	119	3.62
1963396	Drill Core	5.74	25.6	4292	19.1	267	2.4	1.6	52.1	1438	5.96	16.3	0.7	228.3	0.9	343	1.2	0.5	0.1	140	3.25
1963397	Drill Core	4.89	3.1	603.0	9.5	199	0.5	2.0	24.2	1896	4.21	35.0	0.2	41.2	0.9	343	1.0	3.7	<0.1	121	4.17
1963398	Drill Core	5.43	4.3	594.0	8.0	195	0.5	1.9	25.8	2172	4.68	21.9	0.2	35.8	0.8	180	0.5	0.6	0.1	135	4.36
1963399	Drill Core	5.13	2.1	421.0	6.6	152	0.3	1.6	16.0	1820	4.18	22.0	0.2	28.6	0.8	113	0.4	0.9	0.1	123	4.43
1963400	Drill Core	5.47	3.4	711.0	7.3	183	0.6	1.6	24.6	1747	5.23	20.1	0.2	49.2	0.7	189	0.5	0.8	0.1	170	3.20
1963401	Drill Core	4.96	4.5	849.2	7.3	252	0.7	1.9	25.5	1871	5.52	24.1	0.2	67.5	0.8	61	0.9	0.6	0.1	167	3.01
1963402	Drill Core	4.81	2.1	850.5	7.3	230	0.7	1.7	19.3	1929	4.98	24.8	0.3	74.9	0.9	132	0.9	1.4	0.1	147	4.20
1963403	Drill Core	4.97	2.1	819.2	6.9	273	0.7	1.5	19.0	2007	5.50	23.7	0.3	60.5	0.8	131	1.0	0.6	0.1	167	3.44
1963404	Drill Core	4.79	3.2	1600	5.1	177	1.0	2.2	21.1	1636	5.03	16.2	0.3	64.3	0.7	149	0.4	0.9	<0.1	143	3.15
1963405	Drill Core	2.77	39.6	1288	8.6	121	1.2	3.3	60.3	1322	6.15	29.4	0.5	108.2	0.8	323	0.6	1.4	0.5	87	4.35
1963406	Drill Core	2.20	2.2	311.0	4.5	170	0.3	1.6	20.9	1445	4.28	17.6	0.3	33.7	0.9	117	0.5	0.7	<0.1	165	3.47
1963407	Drill Core	2.59	2.1	344.8	4.4	166	0.3	1.7	20.0	1391	4.27	17.8	0.3	38.7	0.9	115	0.5	0.6	<0.1	159	3.40
1963408	Drill Core	5.00	8.3	986.7	6.4	172	0.7	2.7	26.6	1292	4.11	20.2	0.3	58.7	0.9	62	0.3	1.1	0.2	122	3.27
1963409	Drill Core	5.18	6.8	1158	6.6	237	1.1	1.9	32.8	1718	5.14	22.0	0.2	90.5	0.8	188	0.6	0.7	0.2	144	2.85
1963410	Drill Core	5.13	4.0	1170	6.3	226	1.0	2.3	30.3	1678	5.32	19.6	0.2	159.4	0.7	171	0.5	0.5	<0.1	177	2.72
1963411	Drill Core	5.19	14.7	1075	6.7	204	0.9	2.2	31.7	1456	4.48	18.8	0.2	85.8	0.7	247	0.7	0.6	0.1	144	4.05
1963412	Drill Core	3.85	14.8	905.9	12.1	225	1.4	2.1	39.3	1750	4.67	23.4	0.4	87.8	0.6	189	0.9	0.9	0.2	127	5.63
1963413	Drill Core	6.30	2.0	340.1	7.7	111	0.3	1.6	15.7	1571	3.02	13.7	0.5	30.3	0.7	173	0.5	0.9	<0.1	104	6.34

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 174
 Report Date: September 30, 2012

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CERTIFICATE OF ANALYSIS

SMI12000326.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 Te	7AR Cu	G6 Au
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
				0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
1963384	Drill Core			0.195	8	<1	1.38	237	0.009	4	1.67	0.079	0.17	<0.1	0.01	9.6	<0.1	0.54	7	0.7	<0.2		
1963385	Drill Core			0.203	8	<1	1.50	255	0.017	4	1.88	0.100	0.13	<0.1	0.01	12.1	<0.1	0.43	7	<0.5	<0.2		
1963386	Drill Core			0.188	9	<1	1.40	186	0.003	3	0.82	0.138	0.23	0.1	0.01	8.5	<0.1	0.62	4	1.2	<0.2		
1963387	Drill Core			0.119	12	1	0.59	166	0.002	4	0.62	0.094	0.21	0.1	<0.01	3.0	<0.1	0.49	3	<0.5	<0.2		
1963388	Drill Core			0.161	12	<1	0.93	19	0.003	5	1.18	0.099	0.27	0.1	0.04	5.2	<0.1	3.96	4	3.6	0.8	0.658	0.228
1963389	Drill Core			0.182	11	<1	1.89	169	0.017	4	2.22	0.100	0.25	0.2	0.01	8.3	<0.1	1.01	9	1.3	<0.2		
1963390	Rock			0.004	<1	<1	1.60	8	<0.001	<1	0.03	0.006	<0.01	<0.1	<0.01	0.2	<0.1	0.06	<1	<0.5	<0.2		
1963391	Drill Core			0.197	10	<1	1.72	242	0.015	2	2.13	0.089	0.27	0.1	<0.01	8.8	<0.1	0.72	8	0.8	<0.2		
1963392	Drill Core			0.189	6	<1	1.40	127	0.003	5	0.96	0.112	0.37	0.1	0.03	7.5	<0.1	1.10	3	1.2	0.3		
1963393	Drill Core			0.178	4	<1	1.28	110	0.003	6	0.74	0.108	0.29	<0.1	0.02	7.3	<0.1	1.26	3	1.3	0.4		
1963394	Drill Core			0.183	10	<1	1.48	88	0.023	3	1.74	0.114	0.26	0.1	0.03	10.1	<0.1	1.61	7	2.1	0.3		
1963395	Drill Core			0.188	10	<1	1.50	128	0.024	3	1.62	0.091	0.24	0.1	0.02	9.9	<0.1	1.29	7	2.5	<0.2		
1963396	Drill Core			0.173	13	1	1.60	80	0.033	4	2.14	0.087	0.25	0.2	0.03	8.0	<0.1	1.87	8	5.5	0.4	0.440	0.255
1963397	Drill Core			0.188	8	<1	1.31	177	0.009	3	1.90	0.107	0.24	0.1	0.03	8.9	<0.1	0.99	7	1.4	0.3		
1963398	Drill Core			0.184	10	<1	1.50	130	0.022	3	2.10	0.124	0.40	<0.1	0.02	8.7	<0.1	1.26	7	1.4	0.2		
1963399	Drill Core			0.191	9	<1	1.17	133	0.008	3	1.74	0.115	0.26	<0.1	0.02	8.7	<0.1	0.93	7	0.5	<0.2		
1963400	Drill Core			0.202	5	<1	1.88	133	0.067	3	2.36	0.155	0.32	0.1	0.02	10.0	<0.1	1.28	8	0.9	0.2		
1963401	Drill Core			0.200	7	<1	1.76	74	0.013	4	2.24	0.110	0.28	0.1	0.02	9.6	<0.1	0.78	9	1.0	0.2		
1963402	Drill Core			0.191	9	<1	1.38	189	0.006	7	1.86	0.121	0.26	0.2	0.03	9.7	<0.1	0.94	7	0.6	<0.2		
1963403	Drill Core			0.202	7	<1	1.88	147	0.040	3	2.18	0.109	0.17	0.1	0.02	10.6	<0.1	1.07	9	0.7	0.3		
1963404	Drill Core			0.184	6	1	1.66	130	0.026	4	1.93	0.089	0.20	<0.1	0.01	9.1	<0.1	1.31	8	1.7	<0.2		
1963405	Drill Core			0.145	10	1	0.84	35	0.014	6	1.16	0.115	0.33	0.2	0.24	6.9	<0.1	5.17	4	4.5	1.2		0.111
1963406	Drill Core			0.202	6	<1	1.31	148	0.073	3	1.98	0.178	0.34	0.1	<0.01	9.9	<0.1	0.49	7	0.7	<0.2		
1963407	Drill Core			0.203	6	<1	1.27	143	0.069	3	1.88	0.170	0.31	0.2	0.01	9.2	<0.1	0.55	7	0.9	0.2		
1963408	Drill Core			0.181	8	2	1.41	57	0.021	5	1.91	0.137	0.34	0.1	0.02	10.5	<0.1	1.31	8	2.2	0.3		
1963409	Drill Core			0.187	6	<1	1.89	65	0.076	3	2.18	0.117	0.50	0.1	0.05	10.1	0.1	2.57	10	3.6	1.1		
1963410	Drill Core			0.197	4	1	2.11	121	0.134	3	2.52	0.162	0.76	0.1	0.01	11.7	0.2	1.47	9	1.0	0.3		0.177
1963411	Drill Core			0.179	5	1	1.61	74	0.115	5	2.19	0.138	0.71	0.2	0.02	9.0	0.2	3.36	8	1.2	0.5		
1963412	Drill Core			0.168	8	1	1.33	54	0.065	4	2.05	0.132	0.61	0.1	0.03	8.2	0.2	2.89	8	2.2	0.6		
1963413	Drill Core			0.177	8	<1	0.68	244	0.051	5	1.22	0.117	0.30	0.2	0.02	6.1	<0.1	0.70	4	0.8	<0.2		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963414	Drill Core	5.35	7.4	426.4	7.4	180	0.4	3.4	24.3	1178	4.29	18.8	0.2	45.6	0.7	162	0.7	0.6	<0.1	150	2.59
1963415	Drill Core	5.46	4.0	912.0	6.6	172	0.7	2.5	31.9	1242	5.14	19.8	0.2	48.2	0.6	130	0.6	0.7	0.2	129	3.05
1963416	Drill Core	5.20	3.1	412.9	6.7	170	0.4	1.9	30.2	1359	4.52	15.2	0.2	33.2	0.7	123	0.3	0.6	<0.1	167	2.86
1963417	Drill Core	5.70	1.6	352.3	4.4	102	0.3	1.8	18.2	1155	4.12	11.4	0.3	34.5	0.7	106	0.2	0.6	<0.1	144	3.30
1963418	Drill Core	7.42	4.5	731.0	5.8	143	0.6	2.1	29.6	1202	5.75	21.7	0.3	50.4	0.5	99	0.3	0.7	0.2	166	2.79
1963419	Drill Core	6.01	1.7	149.1	2.0	87	<0.1	0.3	2.8	835	3.41	17.4	0.7	24.5	2.7	140	<0.1	1.2	<0.1	70	2.31
1963420	Rock Pulp	0.10	491.6	3161	8.9	65	2.1	23.0	19.4	648	4.39	46.1	0.5	328.8	1.0	131	1.3	6.9	0.3	83	4.12
1963421	Drill Core	5.14	2.3	1236	3.2	97	0.6	1.3	14.6	913	4.00	31.8	0.5	54.1	1.9	169	0.4	8.3	0.1	99	3.08
1963422	Drill Core	5.18	2.5	752.1	4.8	110	0.5	3.1	27.7	1090	5.10	16.9	0.2	38.2	0.6	201	0.4	0.7	0.2	155	3.60
1963423	Drill Core	5.22	4.7	874.1	5.4	113	0.5	2.1	28.0	1025	5.26	16.6	0.2	46.3	0.7	163	0.3	0.9	0.1	153	2.86
1963424	Drill Core	5.40	17.5	1786	4.9	89	0.9	2.2	30.6	955	4.76	17.4	0.3	58.8	1.0	220	0.2	1.4	0.4	130	4.23
1963425	Drill Core	5.06	6.7	916.0	10.1	106	0.7	5.0	39.7	1165	5.11	18.9	0.5	81.8	1.0	116	0.3	1.4	0.3	161	3.09
1963426	Drill Core	4.74	16.8	732.2	16.7	140	0.6	3.2	27.8	1247	5.22	17.6	0.3	84.0	1.1	130	0.6	0.7	0.2	154	3.14
1963427	Drill Core	5.56	8.7	762.9	6.2	114	0.6	3.6	23.3	1036	4.79	18.3	0.3	84.7	0.8	152	0.3	0.7	0.1	165	2.77
1963428	Drill Core	5.24	2.3	528.1	5.9	95	0.4	3.1	26.3	890	4.58	19.9	0.4	42.3	0.8	178	0.2	1.0	0.1	156	2.49
1963429	Drill Core	5.23	13.7	681.9	7.3	102	0.5	2.8	30.5	893	4.97	18.5	0.3	69.4	1.0	191	0.3	0.8	0.2	137	2.32
1963430	Drill Core	5.22	10.2	589.0	10.8	107	0.4	4.6	24.1	926	4.63	15.6	0.3	48.8	1.0	202	0.3	0.7	0.1	141	3.06
1963431	Drill Core	5.20	3.6	416.2	4.4	83	0.3	2.8	29.7	974	4.39	17.8	0.4	34.1	0.8	125	0.2	1.3	0.1	147	2.86
1963432	Drill Core	5.24	19.9	965.4	8.0	83	1.0	3.7	34.1	1042	5.39	20.1	0.2	99.5	0.7	254	0.3	2.7	0.3	124	4.73
1963433	Drill Core	5.14	64.5	1394	4.2	79	0.9	5.4	46.9	888	6.81	21.2	0.2	116.7	0.6	219	0.1	1.3	0.3	134	3.46
1963434	Drill Core	4.60	3.8	714.7	2.9	78	0.4	2.7	20.1	953	4.79	14.7	0.3	65.9	1.0	240	0.1	1.3	<0.1	165	3.18
1963435	Rock Pulp	0.11	61.7	7264	14.2	60	3.1	27.0	9.4	406	2.97	10.4	0.3	647.9	1.1	36	0.6	5.8	0.9	51	0.73
1963436	Drill Core	5.42	19.0	696.9	4.7	107	0.4	4.2	37.6	1147	5.16	12.6	0.3	50.4	0.7	135	0.2	1.7	0.1	143	3.78
1963437	Drill Core	4.85	38.4	1608	6.3	67	1.8	8.5	42.2	1484	5.47	18.9	0.4	233.5	0.6	171	0.2	1.9	1.0	39	6.68
1963438	Drill Core	5.47	35.2	2055	6.8	75	1.8	5.5	22.1	1502	4.64	19.0	0.7	228.1	1.3	232	0.2	3.1	0.5	70	4.82
1963439	Drill Core	3.82	35.3	508.7	7.7	152	0.6	6.3	17.9	1289	4.75	14.7	0.4	38.1	1.2	172	0.9	0.8	0.2	123	3.47
1963440	Drill Core	5.55	24.4	310.6	11.2	203	0.6	5.0	20.0	1496	4.82	16.3	0.5	16.4	1.1	105	1.1	0.7	0.2	132	3.23
1963441	Drill Core	5.11	17.3	580.2	12.3	154	0.7	3.2	19.4	1295	4.62	14.6	0.8	39.2	1.3	172	1.0	1.0	0.2	115	2.45
1963442	Drill Core	6.12	16.4	374.0	10.4	164	0.5	5.0	21.7	1449	4.35	9.8	0.5	26.8	1.1	112	1.0	1.1	0.2	122	3.39
1963443	Drill Core	4.48	2.0	158.1	2.8	81	0.1	2.8	6.6	866	3.00	8.3	0.5	8.5	2.4	60	0.1	1.3	<0.1	50	1.73

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
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 Vancouver BC V6C 2T8 CANADA

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Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
1963414	Drill Core	0.192	4	3	1.47	116	0.133	3	1.91	0.156	0.21	0.2	0.02	7.2	<0.1	1.29	7	1.4	0.2		
1963415	Drill Core	0.179	4	1	1.41	69	0.052	4	1.84	0.135	0.25	0.1	0.02	7.5	<0.1	2.66	7	2.3	0.5		
1963416	Drill Core	0.205	4	1	1.62	119	0.118	2	1.92	0.135	0.15	0.2	0.02	9.6	<0.1	1.29	7	1.7	0.2		
1963417	Drill Core	0.192	5	<1	1.22	127	0.096	3	1.61	0.111	0.14	0.2	0.01	7.6	<0.1	0.78	6	1.3	<0.2		
1963418	Drill Core	0.189	5	2	1.77	73	0.072	3	2.14	0.124	0.18	0.2	0.05	10.2	<0.1	2.43	8	2.8	0.5		
1963419	Drill Core	0.227	11	<1	1.22	285	0.010	1	1.49	0.059	0.13	0.1	<0.01	4.6	<0.1	0.34	8	<0.5	<0.2		
1963420	Rock Pulp	0.108	8	26	1.31	90	0.007	4	1.40	0.084	0.21	3.0	0.20	7.7	<0.1	1.73	5	7.2	0.3	0.309	0.281
1963421	Drill Core	0.209	10	<1	1.36	171	0.031	2	1.75	0.079	0.19	0.2	0.05	6.0	<0.1	1.05	8	1.6	<0.2		
1963422	Drill Core	0.187	5	5	1.87	52	0.091	3	2.08	0.114	0.21	0.1	0.05	9.7	<0.1	2.52	8	1.4	0.3		
1963423	Drill Core	0.188	5	1	1.84	66	0.066	4	2.20	0.121	0.38	0.1	0.03	8.9	<0.1	2.22	8	3.2	0.3		
1963424	Drill Core	0.167	10	2	1.41	34	0.023	5	1.89	0.119	0.33	0.1	0.06	10.3	0.1	3.30	7	3.5	0.3		
1963425	Drill Core	0.184	6	3	1.68	60	0.035	3	2.04	0.107	0.11	0.1	0.12	11.4	<0.1	1.97	9	2.6	0.4		
1963426	Drill Core	0.166	7	3	1.58	85	0.022	2	2.07	0.091	0.15	0.2	0.05	10.7	<0.1	1.21	9	1.4	0.2		
1963427	Drill Core	0.176	5	5	1.70	86	0.104	1	1.84	0.095	0.12	0.3	0.03	9.5	<0.1	1.77	8	1.4	0.4		
1963428	Drill Core	0.186	5	4	1.83	70	0.124	1	1.87	0.089	0.12	0.5	0.06	10.6	<0.1	1.80	7	1.4	0.4		
1963429	Drill Core	0.150	4	3	1.69	37	0.115	<1	1.77	0.063	0.11	0.4	0.03	7.1	<0.1	2.77	8	3.0	0.5		
1963430	Drill Core	0.157	3	23	1.54	50	0.127	1	1.64	0.070	0.10	0.4	0.01	9.2	<0.1	2.06	7	1.8	<0.2		
1963431	Drill Core	0.193	6	4	1.59	93	0.098	2	1.99	0.120	0.13	0.3	0.02	9.6	<0.1	1.33	7	1.4	0.4		
1963432	Drill Core	0.182	8	4	1.39	23	0.009	5	1.91	0.095	0.22	0.1	0.08	8.7	<0.1	4.02	6	5.8	0.4		
1963433	Drill Core	0.187	4	5	1.59	19	0.051	3	2.05	0.092	0.14	0.2	0.09	7.7	<0.1	4.95	7	5.9	0.5	0.109	
1963434	Drill Core	0.186	7	4	1.70	131	0.038	3	2.11	0.123	0.19	0.1	0.02	11.0	<0.1	1.28	8	1.5	<0.2		
1963435	Rock Pulp	0.051	4	41	0.69	91	0.102	3	1.46	0.084	0.13	2.8	0.07	4.0	<0.1	0.70	5	1.8	0.3	0.728	0.640
1963436	Drill Core	0.194	8	4	1.58	75	0.015	4	2.02	0.119	0.31	<0.1	0.02	12.0	<0.1	1.77	7	4.2	0.3		
1963437	Drill Core	0.127	4	6	0.30	30	0.001	5	0.72	0.078	0.34	0.7	<0.01	6.4	<0.1	2.62	2	6.1	0.8	0.221	
1963438	Drill Core	0.150	14	4	0.47	50	0.003	3	0.73	0.081	0.30	0.3	0.04	8.6	<0.1	1.81	2	2.5	0.3	0.206	0.199
1963439	Drill Core	0.122	9	8	1.07	55	0.008	3	1.38	0.083	0.15	<0.1	0.02	11.0	<0.1	1.70	6	3.4	0.5		
1963440	Drill Core	0.130	11	8	1.23	104	0.009	2	1.52	0.069	0.12	0.1	0.02	10.9	<0.1	1.34	7	3.7	0.6		
1963441	Drill Core	0.134	13	4	1.25	34	0.008	3	1.62	0.073	0.14	0.1	<0.01	6.7	<0.1	2.01	7	5.2	0.6		
1963442	Drill Core	0.134	10	7	1.22	60	0.014	3	1.57	0.074	0.12	0.1	<0.01	10.3	<0.1	1.51	6	3.5	0.3		
1963443	Drill Core	0.111	9	2	0.96	149	0.004	2	1.36	0.072	0.17	0.1	<0.01	3.0	<0.1	0.13	6	<0.5	<0.2		



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963444	Drill Core	3.40	2.2	221.0	2.6	75	<0.1	3.3	6.0	1282	3.00	9.3	0.4	15.7	2.0	186	<0.1	0.9	<0.1	50	3.46
1963445	Drill Core	3.80	2.5	139.8	3.0	74	0.1	3.6	7.5	1243	3.05	9.4	0.4	8.4	1.9	124	<0.1	0.9	<0.1	49	4.15
1963446	Drill Core	6.53	2.2	140.6	2.7	83	0.1	4.0	7.5	1028	3.24	8.7	0.4	12.5	1.8	180	0.1	1.0	<0.1	61	2.68
1963447	Drill Core	4.19	6.6	239.4	5.6	88	0.3	4.1	15.4	1983	4.02	12.6	0.3	45.8	0.6	635	<0.1	1.0	0.3	41	5.96
1963448	Drill Core	4.67	1.2	143.5	4.0	95	0.1	6.2	13.3	2307	3.41	3.3	<0.1	18.8	0.7	457	<0.1	1.1	0.1	71	6.12
1963449	Drill Core	6.08	1.1	235.2	5.2	97	0.2	5.7	13.2	2351	3.47	18.7	0.1	15.5	0.6	575	<0.1	9.4	<0.1	55	7.40
1963450	Rock	1.02	<0.1	1.0	0.2	<1	<0.1	1.4	<0.1	28	<0.01	0.5	1.1	<0.5	<0.1	3723	<0.1	<0.1	<0.1	<2	37.24
1963451	Drill Core	4.13	16.0	972.2	5.3	132	1.0	5.4	16.9	2030	6.11	18.1	0.3	68.9	0.8	270	0.2	0.9	0.2	153	4.83
1963452	Drill Core	4.58	12.3	977.1	3.1	117	0.9	5.6	14.5	1660	5.66	17.6	0.4	92.7	0.9	88	0.4	1.2	<0.1	163	4.00
1963453	Drill Core	5.65	13.0	971.6	4.0	149	0.8	6.0	18.9	1605	6.81	22.6	0.5	99.5	0.9	126	0.8	1.4	<0.1	167	3.64
1963454	Drill Core	4.25	12.7	1536	3.8	101	1.0	5.4	15.7	1305	6.57	18.9	0.5	110.6	1.0	132	0.3	1.4	0.1	165	3.51
1963455	Drill Core	6.25	2.4	149.8	2.8	50	0.1	3.2	11.0	926	3.14	7.4	0.4	15.3	1.8	198	0.2	1.2	<0.1	66	2.69
1963456	Drill Core	5.56	1.9	84.9	3.6	59	0.1	4.7	11.8	1034	3.38	6.8	0.4	13.6	1.7	169	0.2	1.0	<0.1	67	2.94
1963457	Drill Core	4.86	1.8	251.7	4.2	55	0.2	4.5	12.5	1121	3.50	7.0	1.1	15.0	1.7	136	<0.1	1.3	<0.1	72	3.63
1963458	Drill Core	5.83	1.7	246.6	3.1	59	0.2	3.6	10.4	1057	3.42	7.5	0.6	14.9	1.8	163	0.1	1.6	<0.1	67	3.30
1963459	Drill Core	5.26	1.8	126.2	2.6	54	0.1	4.3	8.6	958	3.41	6.5	0.4	8.8	1.6	74	0.1	1.1	0.1	86	2.43
1963460	Drill Core	5.23	1.4	184.8	2.9	49	0.2	3.9	6.5	925	3.14	7.0	0.5	4.8	1.7	88	<0.1	1.1	<0.1	80	2.52
1963461	Drill Core	5.33	1.0	84.3	3.9	61	<0.1	4.6	8.7	1026	3.09	9.6	0.6	5.5	1.8	119	<0.1	1.2	<0.1	71	2.88
1963462	Drill Core	4.83	1.6	51.0	2.6	57	<0.1	4.7	9.5	1128	3.40	8.0	0.5	7.3	1.8	99	<0.1	1.0	<0.1	76	3.22
1963463	Drill Core	5.21	1.3	59.0	2.9	54	<0.1	3.8	10.1	1181	3.32	6.8	0.5	33.9	1.8	129	<0.1	1.6	<0.1	68	3.84
1963464	Drill Core	4.72	1.4	157.1	2.3	51	0.1	3.9	8.4	961	3.09	7.4	0.5	13.5	1.8	116	0.1	1.0	<0.1	68	3.21
1963465	Drill Core	2.39	5.8	708.1	5.3	60	0.7	5.6	22.6	893	4.12	17.3	0.5	63.0	2.0	95	0.2	1.1	0.2	56	2.77
1963466	Drill Core	2.19	6.0	578.8	4.5	59	0.6	5.2	21.0	826	3.65	13.3	0.6	63.6	2.1	109	0.2	1.2	0.2	55	2.70
1963467	Drill Core	5.36	18.8	1639	6.5	110	1.2	6.2	23.3	1148	5.25	12.6	0.3	123.2	0.9	255	0.4	0.6	0.3	138	3.43
1963468	Drill Core	5.07	13.9	912.1	5.0	133	0.8	4.5	17.8	1176	4.96	12.0	0.5	97.6	1.1	151	0.4	0.6	0.2	148	2.42
1963469	Drill Core	6.01	17.4	1029	9.8	141	1.1	7.1	27.7	1500	5.30	17.4	0.4	73.1	1.0	164	0.3	0.9	0.3	153	2.58
1963470	Drill Core	4.97	16.2	1268	6.0	93	1.1	8.0	20.5	1287	5.08	8.4	0.4	127.8	1.0	160	0.2	1.5	0.5	89	2.66
1963471	Drill Core	7.24	17.1	1734	10.3	97	1.6	10.0	25.5	1493	5.94	11.0	0.4	171.6	1.0	146	0.3	1.1	0.4	91	3.38
1963472	Drill Core	3.90	0.5	86.2	4.3	132	<0.1	5.9	21.8	2435	4.09	4.3	0.2	12.6	0.6	127	0.1	0.9	<0.1	105	3.86
1963473	Drill Core	4.92	22.2	1005	5.8	94	0.8	5.1	22.2	1408	4.72	6.6	0.5	64.6	1.1	225	0.5	0.8	0.3	83	2.74

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Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
1963444	Drill Core	0.136	11	2	0.91	780	0.003	2	1.51	0.074	0.25	0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2	
1963445	Drill Core	0.143	12	2	0.75	349	0.002	4	1.46	0.072	0.29	0.2	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2	
1963446	Drill Core	0.141	9	3	1.09	420	0.003	3	1.61	0.068	0.19	0.1	<0.01	5.0	<0.1	0.12	7	<0.5	<0.2	
1963447	Drill Core	0.092	5	6	0.54	116	0.002	2	1.61	0.060	0.34	0.3	<0.01	4.2	<0.1	1.05	4	<0.5	<0.2	
1963448	Drill Core	0.144	12	12	0.82	644	0.003	<1	1.60	0.063	0.37	<0.1	<0.01	6.1	0.2	0.17	6	<0.5	<0.2	
1963449	Drill Core	0.136	9	12	0.63	269	0.002	3	1.49	0.070	0.44	0.1	<0.01	6.7	<0.1	0.51	4	<0.5	<0.2	
1963450	Rock	0.005	<1	<1	1.58	7	<0.001	<1	0.03	0.002	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	0.2	
1963451	Drill Core	0.158	11	7	1.35	90	0.005	2	2.21	0.065	0.24	<0.1	<0.01	13.1	<0.1	0.99	9	0.6	<0.2	
1963452	Drill Core	0.183	11	7	1.37	94	0.017	4	2.09	0.082	0.16	0.1	0.01	16.3	<0.1	0.62	8	0.8	0.2	
1963453	Drill Core	0.182	12	13	1.17	131	0.025	3	1.69	0.093	0.14	0.2	0.02	15.9	<0.1	0.93	9	<0.5	0.3	
1963454	Drill Core	0.168	11	8	1.12	205	0.016	4	1.94	0.075	0.15	0.1	<0.01	15.4	<0.1	0.53	9	<0.5	<0.2	0.114
1963455	Drill Core	0.137	11	3	0.90	469	0.009	2	1.42	0.083	0.15	<0.1	<0.01	5.6	<0.1	0.10	7	<0.5	<0.2	
1963456	Drill Core	0.150	9	3	1.00	351	0.008	1	1.62	0.095	0.15	<0.1	<0.01	5.7	<0.1	0.11	8	<0.5	<0.2	
1963457	Drill Core	0.150	11	3	0.90	214	0.016	5	1.64	0.102	0.19	0.1	<0.01	5.8	<0.1	0.13	7	<0.5	<0.2	
1963458	Drill Core	0.148	13	3	0.88	215	0.005	4	1.77	0.112	0.21	<0.1	0.02	5.7	<0.1	0.11	8	<0.5	<0.2	
1963459	Drill Core	0.141	8	3	1.19	91	0.028	<1	1.61	0.109	0.11	<0.1	<0.01	6.3	<0.1	<0.05	8	<0.5	<0.2	
1963460	Drill Core	0.144	8	3	1.09	157	0.023	<1	1.51	0.101	0.12	<0.1	<0.01	6.3	<0.1	<0.05	8	<0.5	<0.2	
1963461	Drill Core	0.146	9	4	1.05	228	0.010	1	1.68	0.103	0.15	<0.1	<0.01	5.1	<0.1	0.08	8	<0.5	<0.2	
1963462	Drill Core	0.136	11	3	0.97	193	0.008	2	1.65	0.101	0.17	<0.1	<0.01	5.4	<0.1	0.05	7	<0.5	<0.2	
1963463	Drill Core	0.150	11	2	0.84	293	0.005	3	1.58	0.100	0.24	<0.1	<0.01	5.2	<0.1	<0.05	7	<0.5	<0.2	
1963464	Drill Core	0.152	12	2	0.73	252	0.006	<1	1.37	0.108	0.20	<0.1	<0.01	4.8	<0.1	<0.05	7	<0.5	<0.2	
1963465	Drill Core	0.115	12	3	0.80	32	0.006	3	1.17	0.083	0.16	<0.1	0.02	4.9	<0.1	2.29	6	4.6	0.7	
1963466	Drill Core	0.130	12	3	0.76	45	0.007	<1	1.13	0.076	0.15	<0.1	0.01	4.7	<0.1	1.77	6	4.1	0.3	
1963467	Drill Core	0.150	7	7	1.51	20	0.052	1	1.82	0.078	0.24	<0.1	0.03	10.1	<0.1	3.62	7	8.4	0.6	0.124
1963468	Drill Core	0.165	8	7	1.53	42	0.067	1	1.71	0.075	0.18	0.1	0.02	9.8	<0.1	2.21	8	3.7	0.5	
1963469	Drill Core	0.165	7	5	1.79	29	0.059	<1	2.04	0.085	0.16	<0.1	0.03	8.9	<0.1	2.55	8	3.6	0.6	
1963470	Drill Core	0.115	7	12	1.11	21	0.009	<1	1.60	0.071	0.15	<0.1	0.03	5.5	<0.1	3.20	7	5.4	0.7	0.164
1963471	Drill Core	0.137	8	22	1.02	20	0.005	2	1.61	0.081	0.25	<0.1	0.06	6.1	<0.1	4.16	7	5.7	0.9	0.129
1963472	Drill Core	0.156	10	9	1.49	171	0.007	<1	1.98	0.079	0.18	<0.1	<0.01	6.5	<0.1	0.16	10	<0.5	<0.2	
1963473	Drill Core	0.111	9	6	1.08	27	0.005	<1	1.45	0.065	0.18	<0.1	0.03	4.1	<0.1	2.47	7	2.9	0.4	



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963474	Drill Core	5.38	29.6	1109	3.3	97	1.0	8.5	25.8	1054	4.14	6.8	0.4	91.2	0.9	198	0.3	0.8	0.2	90	2.54
1963475	Drill Core	6.00	1.3	139.0	3.4	62	0.1	3.2	4.5	769	2.41	6.2	0.6	11.3	2.4	123	0.1	1.4	<0.1	44	1.93
1963476	Drill Core	4.38	2.2	99.9	2.4	60	0.1	6.7	11.0	1003	3.36	5.6	0.4	13.5	1.9	67	<0.1	0.6	<0.1	75	3.06
1963477	Drill Core	5.46	2.3	60.3	2.5	58	<0.1	6.7	9.6	1137	3.01	5.5	0.5	3.3	1.9	117	<0.1	0.9	<0.1	63	3.47
1963478	Drill Core	5.08	2.4	55.3	3.0	49	<0.1	5.4	7.9	1412	2.49	3.9	0.4	1.4	1.8	359	<0.1	0.5	<0.1	36	5.57
1963479	Drill Core	5.04	1.8	51.3	2.8	49	<0.1	4.3	6.7	1007	2.38	5.0	0.4	3.3	2.0	372	<0.1	0.5	<0.1	30	5.09
1963480	Rock Pulp	0.10	486.0	3190	9.7	66	2.2	21.4	18.9	624	4.39	48.4	0.5	289.2	1.1	125	1.5	5.2	0.3	83	4.00
1963481	Drill Core	4.32	3.9	225.6	3.3	39	0.2	3.0	6.6	959	2.28	4.8	0.6	20.7	1.6	819	<0.1	0.9	<0.1	21	5.62
1963482	Drill Core	5.79	2.1	231.4	3.0	44	0.1	3.1	6.1	927	2.29	4.4	0.8	13.5	2.6	276	<0.1	1.2	<0.1	34	3.65
1963483	Drill Core	4.97	2.4	49.7	2.9	39	0.1	1.7	12.2	771	2.56	3.6	0.5	59.0	2.8	541	<0.1	0.8	<0.1	24	2.80
1963484	Drill Core	4.89	3.9	166.6	2.7	43	0.1	2.8	8.1	1050	2.66	5.6	0.5	14.6	2.5	451	<0.1	1.0	0.1	37	3.83
1963485	Drill Core	5.54	15.9	1064	3.7	62	0.7	5.1	27.5	1075	4.18	8.1	0.3	82.6	1.2	276	<0.1	0.7	0.3	66	3.48
1963486	Drill Core	4.59	17.4	516.7	3.3	43	0.4	3.7	18.2	1067	3.21	5.9	0.5	40.4	2.0	155	<0.1	1.4	0.3	40	3.31
1963487	Drill Core	5.45	12.4	536.4	4.4	55	0.4	4.9	24.8	1426	3.94	6.9	0.4	66.7	1.2	405	<0.1	0.8	0.3	49	5.48
1963488	Drill Core	4.99	2.0	205.2	2.6	39	0.1	3.2	5.3	1063	2.25	3.4	0.5	125.9	2.7	262	<0.1	0.8	<0.1	36	3.70
1963489	Drill Core	6.19	2.6	279.9	3.9	35	<0.1	3.3	6.3	1132	2.78	5.2	0.5	7.9	2.0	393	<0.1	1.0	0.1	42	4.01
1963490	Drill Core	5.43	1.6	173.2	3.0	56	0.1	5.0	8.7	1181	2.87	5.2	0.5	15.9	2.3	515	<0.1	0.8	<0.1	51	4.05
1963491	Drill Core	4.91	1.6	163.2	2.6	56	0.1	6.0	7.6	964	3.02	5.7	0.5	25.2	2.1	177	<0.1	0.8	<0.1	74	3.02
1963492	Drill Core	5.45	2.1	92.2	1.8	67	<0.1	6.9	8.0	1027	3.00	5.1	0.4	6.4	1.9	149	<0.1	0.8	<0.1	64	2.79
1963493	Drill Core	5.12	2.4	183.2	1.9	59	0.1	6.6	6.5	896	3.14	3.9	0.5	14.7	2.0	154	<0.1	0.6	<0.1	77	2.54
1963494	Drill Core	5.15	1.6	50.8	2.2	45	<0.1	2.5	4.6	913	2.22	4.0	0.4	13.9	2.5	408	<0.1	0.4	0.2	30	3.45
1963495	Rock Pulp	0.10	63.5	6886	12.2	62	2.8	26.0	9.3	380	3.01	9.9	0.3	551.5	0.8	30	0.6	5.5	0.9	51	0.68
1963496	Drill Core	5.69	1.3	102.6	1.8	73	<0.1	4.6	6.1	1110	3.46	7.5	0.4	23.5	1.9	473	<0.1	0.6	0.1	83	3.79
1963497	Drill Core	5.36	23.6	163.5	3.2	79	0.2	6.7	33.4	1252	4.49	15.1	0.3	50.4	1.9	270	<0.1	0.8	0.2	101	4.40
1963498	Drill Core	5.42	2.6	127.8	2.7	77	0.1	6.9	12.4	1178	3.81	12.1	0.4	17.6	3.1	130	<0.1	1.3	0.1	107	3.91
1963499	Drill Core	5.34	2.7	291.0	2.7	76	0.2	6.7	6.4	1255	4.04	11.6	0.4	10.4	2.8	150	<0.1	1.4	0.1	96	4.02
1963500	Drill Core	5.75	5.3	196.1	2.4	69	0.1	6.5	14.0	1042	4.20	11.2	0.5	18.0	2.2	205	<0.1	1.8	<0.1	109	3.40
1963501	Drill Core	2.96	0.5	9.4	2.3	56	<0.1	1.9	4.5	770	2.70	6.3	0.3	4.4	1.3	59	<0.1	1.4	<0.1	43	2.47
1963502	Drill Core	7.11	6.1	246.9	3.0	65	0.2	4.5	15.5	976	3.59	9.5	0.5	11.3	1.9	64	0.1	1.1	<0.1	75	3.33
1963503	Drill Core	5.42	19.7	85.5	2.7	42	<0.1	2.2	10.9	793	2.25	4.6	0.4	4.4	1.9	230	<0.1	0.7	<0.1	34	3.32



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
1963474	Drill Core	0.103	9	22	1.31	29	0.012	<1	1.60	0.069	0.21	<0.1	0.04	6.8	<0.1	2.36	8	4.4	0.6		
1963475	Drill Core	0.101	9	4	0.80	388	0.006	2	1.22	0.084	0.14	<0.1	<0.01	3.1	<0.1	0.05	6	<0.5	<0.2		
1963476	Drill Core	0.133	9	6	0.87	135	0.009	1	1.32	0.092	0.16	<0.1	<0.01	5.7	<0.1	<0.05	6	<0.5	<0.2		
1963477	Drill Core	0.134	11	6	0.84	394	0.004	<1	1.39	0.080	0.21	<0.1	<0.01	4.9	<0.1	<0.05	6	<0.5	<0.2		
1963478	Drill Core	0.128	13	3	0.49	485	0.002	<1	1.22	0.072	0.32	0.2	<0.01	3.5	<0.1	0.18	4	<0.5	<0.2		
1963479	Drill Core	0.131	11	3	0.33	87	0.002	4	1.12	0.082	0.36	0.4	<0.01	2.9	<0.1	0.74	3	<0.5	<0.2		
1963480	Rock Pulp	0.104	8	26	1.22	44	0.006	3	1.35	0.084	0.20	2.8	0.22	7.8	<0.1	1.64	5	4.6	0.4	0.324	0.266
1963481	Drill Core	0.094	9	1	0.38	48	0.002	<1	0.94	0.084	0.31	0.2	<0.01	2.0	<0.1	1.43	2	<0.5	<0.2		
1963482	Drill Core	0.104	11	2	0.65	211	0.003	<1	1.09	0.076	0.25	<0.1	<0.01	2.4	<0.1	0.45	4	<0.5	<0.2		
1963483	Drill Core	0.092	11	1	0.55	69	0.004	1	0.92	0.068	0.30	<0.1	<0.01	1.7	<0.1	0.95	4	<0.5	<0.2		
1963484	Drill Core	0.109	12	2	0.64	153	0.003	<1	1.14	0.092	0.30	0.1	<0.01	2.6	<0.1	0.48	4	<0.5	<0.2		
1963485	Drill Core	0.147	10	4	0.94	34	0.003	1	1.51	0.093	0.35	<0.1	0.05	4.0	<0.1	1.93	5	1.5	0.4		
1963486	Drill Core	0.100	12	4	0.67	77	0.004	<1	1.07	0.083	0.26	<0.1	0.04	3.1	<0.1	1.07	5	1.1	<0.2		
1963487	Drill Core	0.145	14	3	0.59	63	0.003	<1	1.29	0.105	0.43	0.3	0.03	4.2	<0.1	1.19	4	1.1	0.3		
1963488	Drill Core	0.113	13	3	0.52	440	0.002	<1	0.96	0.072	0.31	0.1	<0.01	2.9	<0.1	0.26	4	<0.5	<0.2	0.086	
1963489	Drill Core	0.138	16	3	0.50	324	0.004	<1	1.00	0.086	0.41	0.1	<0.01	3.0	<0.1	0.35	3	<0.5	<0.2		
1963490	Drill Core	0.132	13	3	0.84	691	0.002	<1	1.33	0.080	0.26	<0.1	<0.01	3.8	<0.1	0.20	5	<0.5	<0.2		
1963491	Drill Core	0.145	11	4	0.97	593	0.004	1	1.47	0.082	0.18	<0.1	<0.01	5.3	<0.1	0.07	6	<0.5	<0.2		
1963492	Drill Core	0.141	11	5	1.21	341	0.004	2	1.57	0.069	0.16	<0.1	<0.01	4.6	<0.1	0.06	6	<0.5	<0.2		
1963493	Drill Core	0.128	11	7	1.01	377	0.005	1	1.45	0.084	0.19	<0.1	<0.01	6.1	<0.1	0.06	7	<0.5	<0.2		
1963494	Drill Core	0.105	12	2	0.75	631	0.003	1	1.13	0.068	0.26	0.2	0.01	2.4	<0.1	0.18	4	<0.5	<0.2		
1963495	Rock Pulp	0.050	3	37	0.70	77	0.089	4	1.43	0.082	0.13	2.3	0.08	3.7	<0.1	0.71	5	2.1	0.2	0.725	0.614
1963496	Drill Core	0.105	11	2	1.34	745	0.005	2	1.75	0.071	0.24	0.1	<0.01	7.1	<0.1	0.18	7	<0.5	<0.2		
1963497	Drill Core	0.103	10	2	1.44	60	0.003	3	1.76	0.088	0.22	0.1	0.08	10.5	<0.1	1.24	6	1.3	0.2		
1963498	Drill Core	0.125	12	3	1.54	202	0.005	4	2.07	0.089	0.20	<0.1	0.01	12.0	<0.1	0.18	7	<0.5	<0.2		
1963499	Drill Core	0.113	9	3	1.41	288	0.006	5	1.87	0.077	0.21	0.1	<0.01	9.9	<0.1	<0.05	7	<0.5	<0.2		
1963500	Drill Core	0.107	12	3	1.64	184	0.023	3	2.07	0.144	0.47	<0.1	<0.01	10.6	<0.1	0.23	7	<0.5	<0.2		
1963501	Drill Core	0.107	7	1	0.95	69	0.004	2	1.24	0.079	0.15	<0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2		
1963502	Drill Core	0.104	10	2	0.94	61	0.004	3	1.53	0.115	0.27	0.1	0.01	7.8	<0.1	0.20	6	<0.5	<0.2		
1963503	Drill Core	0.099	11	2	0.59	290	0.002	5	0.95	0.076	0.19	<0.1	<0.01	3.4	<0.1	0.43	4	<0.5	<0.2		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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 Vancouver BC V6C 2T8 CANADA

Project: 174
 Report Date: September 30, 2012

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CERTIFICATE OF ANALYSIS

SMI12000326.1

Method	Analyte	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1963504	Drill Core	5.17	1.3	61.9	2.4	51	<0.1	2.4	4.3	710	2.63	4.8	0.5	4.7	2.2	155	<0.1	1.0	<0.1	42	2.18
1963505	Drill Core	5.86	4.0	433.9	3.4	70	0.4	6.3	10.4	993	3.58	12.3	0.4	34.1	2.6	92	<0.1	1.7	<0.1	88	3.27
1963506	Drill Core	6.02	13.3	572.7	3.3	69	0.3	6.4	26.3	985	4.26	15.4	0.4	68.8	1.7	215	0.2	0.9	<0.1	117	3.56
1963507	Drill Core	4.88	43.3	1804	4.3	125	1.1	7.0	40.6	1035	5.07	7.2	0.2	93.8	0.7	276	0.3	0.5	0.1	138	3.71
1963508	Drill Core	5.60	33.3	1378	4.7	207	1.0	6.2	30.7	1217	5.55	7.3	0.3	73.9	1.0	317	0.4	0.5	0.1	168	3.32
1963509	Drill Core	5.06	37.7	1361	3.0	136	0.9	6.2	36.3	1174	5.29	7.0	0.2	87.0	0.8	215	0.3	0.5	0.1	148	3.23
1963510	Rock	0.84	<0.1	4.9	<0.1	<1	<0.1	<0.1	<0.1	31	<0.01	<0.5	1.2	4.1	<0.1	3865	<0.1	<0.1	<0.1	<2	35.40
1963511	Drill Core	5.87	16.6	848.4	2.4	127	0.5	5.9	21.9	1128	4.97	10.3	0.4	43.4	1.0	136	0.3	0.7	<0.1	146	3.16
1963512	Drill Core	5.35	15.4	846.3	2.6	98	0.5	5.8	23.5	949	4.82	10.1	0.3	58.7	0.8	250	0.2	0.8	<0.1	138	3.26
1963513	Drill Core	4.10	16.3	1172	3.6	95	0.7	7.2	28.0	959	5.20	13.0	0.3	69.2	0.8	227	0.4	0.6	<0.1	150	3.07
1963514	Drill Core	1.28	150.2	2069	4.6	60	1.2	6.8	35.6	644	4.96	10.8	0.2	161.9	0.8	261	0.3	1.0	0.3	94	3.11
1963515	Drill Core	5.62	28.8	1050	3.3	79	0.8	6.0	28.2	974	4.80	9.9	0.2	121.2	0.8	307	0.2	0.9	0.2	109	3.62
1963516	Drill Core	7.98	22.2	1398	3.5	81	0.9	5.4	30.4	1296	4.90	9.8	0.4	155.0	0.9	386	0.2	0.8	0.2	99	6.80
1963517	Drill Core	5.80	19.9	792.5	2.4	97	0.5	6.0	28.8	1071	5.40	10.2	0.3	45.5	0.8	164	0.3	0.6	0.2	115	3.57
1963518	Drill Core	4.58	32.9	429.1	2.4	79	0.2	3.8	16.5	1050	4.18	10.0	0.5	32.5	1.1	183	0.2	0.7	<0.1	116	4.19
1963519	Drill Core	5.56	1.5	369.0	2.6	55	0.2	1.8	3.3	794	2.51	4.8	0.3	22.5	1.1	278	0.1	1.0	<0.1	36	3.89
1963520	Drill Core	5.81	15.6	963.8	4.8	135	0.9	5.1	19.2	1277	4.62	8.8	0.3	74.1	0.9	414	0.5	0.6	<0.1	90	6.11
1963521	Drill Core	5.17	20.4	1063	3.5	115	0.7	6.8	27.5	851	6.06	7.9	0.6	67.5	1.2	306	0.5	0.5	0.1	150	2.35
1963522	Drill Core	5.19	23.4	1214	3.7	126	0.7	6.5	29.7	963	6.34	7.0	0.5	62.6	1.2	195	0.4	0.4	<0.1	193	2.08
1963523	Drill Core	5.62	26.2	2836	6.2	175	1.7	13.9	60.2	1127	9.24	6.7	0.5	92.5	0.9	121	0.5	0.6	0.1	245	1.36
1963524	Drill Core	5.42	34.3	1323	4.4	174	0.8	10.3	40.5	1201	7.67	6.1	0.4	48.9	0.9	115	0.3	0.3	<0.1	235	1.66
1963525	Drill Core	2.42	20.1	2129	3.7	140	1.1	12.5	89.6	1063	8.09	10.6	0.4	82.7	1.1	117	0.3	0.3	0.2	180	1.91
1963526	Drill Core	2.74	16.4	1930	3.6	127	1.0	12.2	62.8	1024	7.62	10.3	0.5	68.3	1.1	105	0.3	0.3	0.1	184	1.59



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 Phone (604) 253-3158 Fax (604) 253-1716

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
1963504	Drill Core	0.101	10	3	0.76	358	0.003	<1	1.24	0.089	0.20	<0.1	<0.01	3.7	<0.1	<0.05	6	<0.5	<0.2		
1963505	Drill Core	0.133	10	3	1.18	104	0.005	1	1.79	0.095	0.20	<0.1	<0.01	9.6	<0.1	0.13	7	<0.5	<0.2		
1963506	Drill Core	0.136	9	5	1.23	82	0.010	5	1.98	0.089	0.32	0.1	0.02	11.9	<0.1	1.02	7	2.7	<0.2		
1963507	Drill Core	0.171	9	5	1.60	25	0.093	2	2.14	0.058	0.88	0.2	0.06	11.2	0.2	3.66	8	9.0	0.3		
1963508	Drill Core	0.186	13	6	1.97	31	0.112	4	2.44	0.067	0.87	0.1	0.03	13.3	0.2	3.10	10	5.1	<0.2		
1963509	Drill Core	0.171	11	7	1.99	37	0.089	2	2.40	0.072	0.91	0.1	0.03	12.6	0.2	2.94	9	4.1	0.2		
1963510	Rock	0.004	<1	1	1.82	8	0.001	<1	0.04	0.003	<0.01	<0.1	<0.01	0.3	<0.1	0.06	<1	<0.5	0.2		
1963511	Drill Core	0.177	10	5	1.60	91	0.065	2	1.96	0.074	0.67	0.1	0.02	14.3	0.1	1.34	8	2.3	<0.2		
1963512	Drill Core	0.175	11	6	1.63	59	0.050	4	2.14	0.087	0.68	0.1	0.02	12.6	0.1	1.78	9	3.1	0.3		
1963513	Drill Core	0.170	11	6	1.71	46	0.069	3	2.06	0.076	0.80	0.1	0.02	12.3	0.2	2.41	9	4.6	0.4		
1963514	Drill Core	0.122	10	6	0.88	24	0.012	<1	1.35	0.072	0.33	0.1	0.07	7.9	<0.1	4.05	5	5.2	0.6	0.202	0.185
1963515	Drill Core	0.158	9	5	1.28	35	0.009	5	1.81	0.078	0.36	0.1	0.04	9.2	<0.1	2.31	7	3.3	0.3		0.156
1963516	Drill Core	0.153	11	8	1.32	28	0.004	2	2.00	0.056	0.28	0.1	0.06	9.9	<0.1	3.18	7	4.4	0.3		0.118
1963517	Drill Core	0.166	10	6	1.81	63	0.023	6	2.37	0.077	0.46	<0.1	0.04	11.7	0.2	1.75	9	1.8	0.2		
1963518	Drill Core	0.181	12	5	1.38	240	0.005	6	1.86	0.095	0.34	<0.1	0.02	13.5	<0.1	0.63	8	<0.5	<0.2		
1963519	Drill Core	0.120	9	<1	0.69	529	0.002	4	0.58	0.090	0.25	<0.1	0.02	3.8	<0.1	0.21	2	<0.5	<0.2		
1963520	Drill Core	0.143	10	8	0.96	62	0.016	7	0.99	0.107	0.48	<0.1	0.05	11.1	0.1	1.39	4	2.9	<0.2		
1963521	Drill Core	0.126	13	17	1.61	42	0.079	<1	1.72	0.046	0.63	0.2	0.03	11.5	0.1	2.81	9	4.2	<0.2		
1963522	Drill Core	0.136	8	29	2.16	41	0.125	1	2.21	0.072	0.86	0.2	0.02	14.5	0.2	2.79	10	5.8	0.3		
1963523	Drill Core	0.170	11	15	2.59	35	0.208	3	2.78	0.064	1.41	0.2	0.02	21.2	0.4	3.96	11	11.2	0.4	0.289	
1963524	Drill Core	0.162	8	20	2.61	49	0.193	1	2.72	0.069	1.42	0.2	<0.01	20.0	0.3	2.63	11	9.2	0.3		
1963525	Drill Core	0.138	7	22	2.48	33	0.160	<1	2.53	0.068	1.35	0.2	<0.01	13.4	0.3	4.82	11	10.6	0.6	0.212	
1963526	Drill Core	0.135	7	19	2.45	34	0.159	2	2.54	0.077	1.26	0.2	0.02	13.2	0.3	4.03	11	8.7	0.4		



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QUALITY CONTROL REPORT

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
REP 1963376	QC		1.7	84.5	2.5	59	0.1	4.5	11.6	822	3.20	7.1	0.4	16.4	1.7	112	<0.1	0.7	<0.1	79	2.75
1963383	Drill Core	5.15	1.2	2259	3.5	70	1.5	2.0	29.6	1018	4.69	19.7	0.2	160.6	0.9	226	0.2	0.8	0.2	135	3.50
REP 1963383	QC		1.0	2406	3.8	75	1.5	1.8	30.0	1067	4.91	19.5	0.2	180.0	0.9	223	0.2	0.8	0.2	136	3.57
REP 1963410																					
1963411	Drill Core	5.19	14.7	1075	6.7	204	0.9	2.2	31.7	1456	4.48	18.8	0.2	85.8	0.7	247	0.7	0.6	0.1	144	4.05
REP 1963411	QC		14.7	1084	6.5	206	1.0	2.6	31.5	1463	4.49	19.4	0.2	78.6	0.7	243	0.7	0.5	0.1	144	4.06
1963418	Drill Core	7.42	4.5	731.0	5.8	143	0.6	2.1	29.6	1202	5.75	21.7	0.3	50.4	0.5	99	0.3	0.7	0.2	166	2.79
REP 1963418	QC		4.9	716.1	5.8	135	0.6	2.0	28.8	1180	5.64	21.6	0.3	47.1	0.4	101	0.4	0.6	0.2	165	2.76
1963438	Drill Core	5.47	35.2	2055	6.8	75	1.8	5.5	22.1	1502	4.64	19.0	0.7	228.1	1.3	232	0.2	3.1	0.5	70	4.82
REP 1963438																					
1963446	Drill Core	6.53	2.2	140.6	2.7	83	0.1	4.0	7.5	1028	3.24	8.7	0.4	12.5	1.8	180	0.1	1.0	<0.1	61	2.68
REP 1963446	QC		2.3	139.2	2.7	85	0.1	4.1	7.2	1052	3.24	8.6	0.4	7.9	1.8	194	<0.1	1.0	<0.1	61	2.71
1963453	Drill Core	5.65	13.0	971.6	4.0	149	0.8	6.0	18.9	1605	6.81	22.6	0.5	99.5	0.9	126	0.8	1.4	<0.1	167	3.64
REP 1963453	QC		13.1	971.3	4.0	147	0.8	6.2	18.0	1605	6.51	22.0	0.5	95.4	0.9	123	0.7	1.3	<0.1	166	3.66
1963481	Drill Core	4.32	3.9	225.6	3.3	39	0.2	3.0	6.6	959	2.28	4.8	0.6	20.7	1.6	819	<0.1	0.9	<0.1	21	5.62
REP 1963481	QC		3.8	214.4	3.0	39	0.1	2.7	6.5	966	2.29	4.6	0.6	27.4	1.4	794	0.1	0.8	<0.1	22	5.55
1963488	Drill Core	4.99	2.0	205.2	2.6	39	0.1	3.2	5.3	1063	2.25	3.4	0.5	125.9	2.7	262	<0.1	0.8	<0.1	36	3.70
REP 1963488	QC		2.2	204.3	2.6	41	0.1	3.5	5.3	1051	2.27	4.0	0.5	75.7	2.7	258	<0.1	0.7	<0.1	36	3.64
1963503	Drill Core	5.42	19.7	85.5	2.7	42	<0.1	2.2	10.9	793	2.25	4.6	0.4	4.4	1.9	230	<0.1	0.7	<0.1	34	3.32
REP 1963503	QC		20.8	80.7	2.9	42	<0.1	2.2	11.2	851	2.35	4.9	0.4	6.2	2.0	242	<0.1	0.7	<0.1	35	3.42
1963507	Drill Core	4.88	43.3	1804	4.3	125	1.1	7.0	40.6	1035	5.07	7.2	0.2	93.8	0.7	276	0.3	0.5	0.1	138	3.71
REP 1963507	QC		43.4	1799	4.1	123	1.1	6.8	41.2	1028	5.14	6.7	0.2	95.3	0.7	281	0.2	0.5	0.1	140	3.75
Core Reject Duplicates																					
1963376	Drill Core	4.97	1.6	94.6	2.7	59	0.1	4.4	11.5	797	3.29	7.9	0.4	15.5	1.9	112	<0.1	0.7	<0.1	81	2.76
DUP 1963376	QC	<0.01	1.7	84.9	2.6	62	0.1	4.4	11.6	807	3.26	7.5	0.4	18.2	1.8	116	<0.1	0.7	<0.1	81	2.80
1963410	Drill Core	5.13	4.0	1170	6.3	226	1.0	2.3	30.3	1678	5.32	19.6	0.2	159.4	0.7	171	0.5	0.5	<0.1	177	2.72
DUP 1963410	QC	<0.01	3.8	1100	5.6	229	0.9	2.2	28.1	1679	5.32	19.7	0.2	166.5	0.7	165	0.6	0.5	<0.1	182	2.52
1963444	Drill Core	3.40	2.2	221.0	2.6	75	<0.1	3.3	6.0	1282	3.00	9.3	0.4	15.7	2.0	186	<0.1	0.9	<0.1	50	3.46



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
Pulp Duplicates																					
REP 1963376	QC	0.145	10	3	1.15	341	0.006	3	1.54	0.087	0.10	<0.1	<0.01	6.1	<0.1	0.05	8	<0.5	<0.2		
1963383	Drill Core	0.198	11	<1	1.42	70	0.007	6	1.93	0.108	0.24	0.4	0.03	8.4	<0.1	1.22	7	1.4	0.5	0.252	0.184
REP 1963383	QC	0.197	11	<1	1.45	63	0.008	4	2.02	0.110	0.24	0.4	0.04	8.8	<0.1	1.21	8	1.9	0.4		
REP 1963410	QC																				0.181
1963411	Drill Core	0.179	5	1	1.61	74	0.115	5	2.19	0.138	0.71	0.2	0.02	9.0	0.2	3.36	8	1.2	0.5		
REP 1963411	QC	0.177	5	1	1.63	73	0.116	5	2.21	0.139	0.72	0.2	0.02	9.3	0.2	3.36	8	1.3	0.4		
1963418	Drill Core	0.189	5	2	1.77	73	0.072	3	2.14	0.124	0.18	0.2	0.05	10.2	<0.1	2.43	8	2.8	0.5		
REP 1963418	QC	0.189	5	2	1.74	79	0.072	3	2.11	0.124	0.18	0.2	0.04	10.2	<0.1	2.40	8	2.4	0.6		
1963438	Drill Core	0.150	14	4	0.47	50	0.003	3	0.73	0.081	0.30	0.3	0.04	8.6	<0.1	1.81	2	2.5	0.3	0.206	0.199
REP 1963438	QC																				0.207
1963446	Drill Core	0.141	9	3	1.09	420	0.003	3	1.61	0.068	0.19	0.1	<0.01	5.0	<0.1	0.12	7	<0.5	<0.2		
REP 1963446	QC	0.144	10	3	1.07	429	0.003	1	1.55	0.068	0.19	0.1	<0.01	5.0	<0.1	0.12	7	<0.5	<0.2		
1963453	Drill Core	0.182	12	13	1.17	131	0.025	3	1.69	0.093	0.14	0.2	0.02	15.9	<0.1	0.93	9	<0.5	0.3		
REP 1963453	QC	0.174	12	13	1.14	128	0.025	2	1.62	0.096	0.14	0.1	0.01	15.9	<0.1	0.93	8	<0.5	0.2		
1963481	Drill Core	0.094	9	1	0.38	48	0.002	<1	0.94	0.084	0.31	0.2	<0.01	2.0	<0.1	1.43	2	<0.5	<0.2		
REP 1963481	QC	0.087	9	2	0.38	46	0.002	<1	0.95	0.083	0.31	0.2	<0.01	1.7	<0.1	1.46	3	<0.5	<0.2		
1963488	Drill Core	0.113	13	3	0.52	440	0.002	<1	0.96	0.072	0.31	0.1	<0.01	2.9	<0.1	0.26	4	<0.5	<0.2	0.086	
REP 1963488	QC	0.124	13	2	0.52	439	0.002	<1	0.97	0.073	0.32	0.1	<0.01	2.9	<0.1	0.26	4	<0.5	<0.2		
1963503	Drill Core	0.099	11	2	0.59	290	0.002	5	0.95	0.076	0.19	<0.1	<0.01	3.4	<0.1	0.43	4	<0.5	<0.2		
REP 1963503	QC	0.098	12	2	0.61	346	0.003	1	0.97	0.078	0.20	<0.1	<0.01	3.5	<0.1	0.44	4	0.6	<0.2		
1963507	Drill Core	0.171	9	5	1.60	25	0.093	2	2.14	0.058	0.88	0.2	0.06	11.2	0.2	3.66	8	9.0	0.3		
REP 1963507	QC	0.165	9	6	1.62	26	0.098	2	2.13	0.060	0.90	0.1	0.06	11.5	0.2	3.75	8	11.2	<0.2		
Core Reject Duplicates																					
1963376	Drill Core	0.145	10	3	1.11	340	0.006	3	1.56	0.086	0.10	<0.1	<0.01	6.7	<0.1	0.05	8	<0.5	<0.2		
DUP 1963376	QC	0.138	10	3	1.14	345	0.006	1	1.51	0.079	0.09	<0.1	0.01	6.5	<0.1	0.06	8	<0.5	<0.2		
1963410	Drill Core	0.197	4	1	2.11	121	0.134	3	2.52	0.162	0.76	0.1	0.01	11.7	0.2	1.47	9	1.0	0.3	0.177	
DUP 1963410	QC	0.199	4	1	2.14	146	0.145	3	2.58	0.167	0.79	0.1	0.01	12.2	0.2	1.29	9	1.5	0.4	0.174	
1963444	Drill Core	0.136	11	2	0.91	780	0.003	2	1.51	0.074	0.25	0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2		



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Project: 174
 Report Date: September 30, 2012

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QUALITY CONTROL REPORT

SMI12000326.1

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
DUP 1963444	QC	<0.01	2.5	196.4	2.6	73	<0.1	3.2	6.0	1310	3.01	8.9	0.4	16.8	2.0	214	<0.1	0.9	<0.1	50	3.64
1963478	Drill Core	5.08	2.4	55.3	3.0	49	<0.1	5.4	7.9	1412	2.49	3.9	0.4	1.4	1.8	359	<0.1	0.5	<0.1	36	5.57
DUP 1963478	QC	<0.01	2.3	52.1	3.1	49	<0.1	5.0	8.0	1369	2.57	3.9	0.5	6.6	1.8	396	<0.1	0.6	<0.1	37	5.37
1963512	Drill Core	5.35	15.4	846.3	2.6	98	0.5	5.8	23.5	949	4.82	10.1	0.3	58.7	0.8	250	0.2	0.8	<0.1	138	3.26
DUP 1963512	QC	<0.01	14.9	887.0	2.6	101	0.5	5.7	24.1	978	4.91	10.4	0.3	59.0	0.9	226	0.3	0.7	<0.1	138	3.17
Reference Materials																					
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD DS9	Standard		14.0	114.5	123.8	314	1.8	41.7	8.0	589	2.37	27.3	2.8	109.8	6.7	75	2.2	6.1	6.6	41	0.75
STD DS9	Standard		13.0	107.3	129.4	308	1.9	39.2	7.2	582	2.32	24.6	2.9	134.7	6.8	68	2.3	6.0	6.4	39	0.71
STD DS9	Standard		12.9	105.0	132.3	308	1.8	38.8	7.3	570	2.29	25.0	2.9	104.9	6.7	66	2.2	5.8	6.1	37	0.71
STD DS9	Standard		12.3	109.5	120.3	299	1.7	41.7	7.8	572	2.23	25.1	2.6	106.3	5.9	65	2.0	5.5	5.5	36	0.69
STD DS9	Standard		12.8	111.3	124.3	312	1.9	41.9	7.9	580	2.35	26.1	2.9	120.2	6.6	72	2.4	5.4	6.3	39	0.70
STD DS9	Standard		13.0	109.3	120.5	329	1.9	39.3	7.4	597	2.34	26.4	2.8	110.1	6.8	70	2.4	6.1	6.8	39	0.73
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Project: 174
Report Date: September 30, 2012

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QUALITY CONTROL REPORT

SMI12000326.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
DUP 1963444	QC	0.133	11	2	0.92	883	0.003	3	1.48	0.075	0.26	0.1	<0.01	3.9	<0.1	0.05	6	<0.5	<0.2		
1963478	Drill Core	0.128	13	3	0.49	485	0.002	<1	1.22	0.072	0.32	0.2	<0.01	3.5	<0.1	0.18	4	<0.5	<0.2		
DUP 1963478	QC	0.127	13	3	0.54	434	0.002	3	1.23	0.072	0.31	0.2	0.01	3.4	<0.1	0.19	4	<0.5	<0.2		
1963512	Drill Core	0.175	11	6	1.63	59	0.050	4	2.14	0.087	0.68	0.1	0.02	12.6	0.1	1.78	9	3.1	0.3		
DUP 1963512	QC	0.181	10	6	1.67	59	0.049	1	2.25	0.086	0.67	<0.1	0.02	12.6	0.1	1.77	9	3.1	<0.2		
Reference Materials																					
STD CDN-ME-9A	Standard																				0.644
STD CDN-ME-14A	Standard																				1.257
STD CDN-ME-14A	Standard																				1.234
STD CDN-ME-9A	Standard																				0.645
STD CDN-ME-9A	Standard																				0.644
STD CDN-ME-14A	Standard																				1.212
STD CDN-ME-14A	Standard																				1.252
STD CDN-ME-9A	Standard																				0.662
STD DS9	Standard	0.083	14	126	0.63	314	0.122	2	0.98	0.086	0.41	3.0	0.20	2.5	5.7	0.17	5	5.1	5.4		
STD DS9	Standard	0.081	13	118	0.62	297	0.111	3	0.96	0.082	0.40	3.0	0.22	2.3	5.5	0.16	5	5.0	5.3		
STD DS9	Standard	0.077	13	120	0.61	283	0.107	2	0.93	0.080	0.40	3.2	0.18	2.3	5.7	0.15	5	5.2	5.1		
STD DS9	Standard	0.078	12	121	0.60	270	0.109	2	0.94	0.076	0.39	2.8	0.20	2.2	5.0	0.15	4	5.3	4.6		
STD DS9	Standard	0.079	13	126	0.61	303	0.115	3	0.95	0.088	0.40	3.0	0.23	2.1	5.4	0.16	5	5.2	4.6		
STD DS9	Standard	0.080	13	117	0.61	301	0.121	3	0.96	0.084	0.40	3.1	0.21	2.3	5.5	0.17	5	6.6	5.3		
STD OXG99	Standard																				0.945
STD OXG99	Standard																				0.955
STD OXG99	Standard																				0.920
STD OXG99	Standard																				0.913
STD OXK94	Standard																				3.673
STD OXK94	Standard																				3.701
STD OXK94	Standard																				3.539
STD OXK94	Standard																				3.592
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02		



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Project: 174
 Report Date: September 30, 2012

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QUALITY CONTROL REPORT

SMI12000326.1

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
STD OXK94 Expected																						
STD OXG99 Expected																						
STD CDN-ME-14A Expected																						
STD CDN-ME-9A Expected																						
BLK	Blank		<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
BLK	Blank		<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.1	0.3	<0.1	2	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1-SMI	Prep Blank	<0.01	0.1	2.6	2.3	43	<0.1	2.7	4.0	572	1.87	<0.5	1.3	<0.5	4.8	54	<0.1	<0.1	0.2	34	0.43	
G1-SMI	Prep Blank	<0.01	<0.1	2.6	2.1	43	<0.1	2.3	4.2	555	1.86	<0.5	1.6	2.4	5.2	54	<0.1	<0.1	0.1	34	0.41	



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
STD OXK94 Expected																					3.562	
STD OXG99 Expected																						0.932
STD CDN-ME-14A Expected																						1.221
STD CDN-ME-9A Expected																						0.654
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																					<0.005
BLK	Blank																					<0.005
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																					<0.005
BLK	Blank																					<0.005
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																					<0.001
BLK	Blank																					<0.001
BLK	Blank																					<0.005
BLK	Blank																					<0.005
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																					<0.001
BLK	Blank																					<0.005
BLK	Blank																					<0.005
BLK	Blank																					<0.001
Prep Wash																						
G1-SMI	Prep Blank	0.070	10	6	0.51	146	0.108	1	0.89	0.076	0.48	<0.1	<0.01	1.9	0.4	<0.05	4	<0.5	<0.2			
G1-SMI	Prep Blank	0.068	10	6	0.48	138	0.105	<1	0.83	0.061	0.47	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2			



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Client: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8 CANADA

Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: September 04, 2012
Report Date: September 27, 2012
Page: 1 of 7

CERTIFICATE OF ANALYSIS

SMI12000327.1

CLIENT JOB INFORMATION

Project: 175
Shipment ID: 2012 - 9
P.O. Number
Number of Samples: 169

SAMPLE DISPOSAL

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

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

Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	163	Crush split and pulverize 250g drill core to 200 mesh			SMI
1DX2	169	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
G601	21	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
7AR	9	1:1:1 Aqua Regia Digestion ICP-ES Finish	1	Completed	VAN

ADDITIONAL COMMENTS



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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Project: 175
Report Date: September 27, 2012

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CERTIFICATE OF ANALYSIS

SMI12000327.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	0.4	4.9	2.6	46	<0.1	3.0	3.8	571	1.90	<0.5	1.5	2.1	4.8	55	<0.1	<0.1	0.2	35	0.47
G1	Prep Blank	<0.01	<0.1	2.8	2.7	45	<0.1	2.3	3.6	568	1.90	<0.5	1.5	0.9	4.9	61	<0.1	<0.1	<0.1	34	0.46
1963527	Drill Core	5.50	36.0	1180	4.4	184	0.7	11.2	22.7	1113	6.71	10.9	0.4	81.9	1.0	138	0.6	0.3	0.1	213	1.86
1963528	Drill Core	5.27	28.5	1664	3.8	171	0.9	11.3	23.3	1108	5.77	9.5	0.4	140.2	1.0	117	0.6	0.3	<0.1	199	1.88
1963529	Drill Core	5.49	15.9	1573	2.8	105	0.8	6.0	28.6	962	5.51	12.8	0.4	114.7	1.2	97	0.3	0.4	0.2	136	1.61
1963530	Drill Core	5.10	34.2	1949	4.3	103	1.3	5.0	27.1	823	4.27	13.1	0.4	109.7	1.1	156	0.5	0.9	0.2	119	2.18
1963531	Drill Core	5.34	19.0	2379	4.5	109	1.6	9.3	40.0	894	6.89	15.8	0.4	118.7	1.2	165	0.5	1.1	0.2	127	2.20
1963532	Drill Core	4.94	20.3	1716	4.8	189	1.3	5.5	23.4	1132	4.60	10.3	0.4	96.5	1.1	177	0.5	0.4	0.1	126	2.11
1963533	Drill Core	5.22	19.0	1162	4.8	168	0.9	5.5	26.8	1193	5.18	10.0	0.5	35.6	1.1	175	0.6	0.3	0.2	130	1.74
1963534	Drill Core	5.34	30.9	1001	2.4	65	0.5	5.6	20.8	693	3.91	10.0	0.6	59.6	1.3	158	0.3	0.4	<0.1	126	2.69
1963535	Drill Core	5.34	23.1	1155	2.5	79	0.5	6.0	20.1	743	4.22	10.8	0.4	53.2	1.1	89	0.2	0.3	<0.1	136	1.59
1963536	Drill Core	5.19	34.6	3289	2.0	88	1.6	5.9	30.4	714	4.22	11.1	0.4	148.4	1.1	247	0.2	0.4	0.1	124	2.86
1963537	Drill Core	5.23	18.5	1581	5.1	76	0.9	5.6	31.6	692	4.77	17.0	0.3	105.9	1.2	209	0.6	0.5	0.1	115	2.32
1963538	Drill Core	5.25	16.3	1247	3.1	79	0.9	6.7	29.5	807	4.94	16.6	0.5	99.6	1.3	182	0.2	0.6	0.1	117	2.82
1963539	Drill Core	6.60	27.6	1624	2.8	93	1.0	5.0	19.4	844	4.53	11.6	0.4	96.8	1.2	203	0.3	0.5	0.1	108	2.74
1963540	Rock Pulp	0.10	498.5	3114	8.6	67	2.1	22.5	17.8	658	4.38	45.3	0.5	246.1	1.0	135	1.8	6.9	0.3	83	4.25
1963541	Drill Core	4.07	17.0	844.5	2.8	53	0.6	2.8	13.3	920	3.43	11.8	0.5	234.2	1.1	443	0.3	0.6	0.3	56	5.24
1963542	Drill Core	3.30	13.7	375.0	2.6	42	0.3	6.3	18.3	679	3.20	20.8	0.5	115.7	1.2	549	0.2	0.7	0.2	59	4.12
1963543	Drill Core	4.56	3.6	933.3	4.3	35	0.5	9.9	13.2	474	3.27	11.0	0.5	66.7	1.6	553	0.3	0.5	0.3	29	3.15
1963544	Drill Core	5.12	18.9	1131	2.7	65	0.5	6.9	11.5	718	4.55	8.6	0.4	78.6	1.0	280	0.2	0.6	<0.1	97	3.32
1963545	Drill Core	5.24	0.9	526.8	2.6	45	0.2	3.3	5.9	738	2.92	6.7	0.5	13.9	2.0	182	<0.1	1.2	<0.1	43	3.74
1963546	Drill Core	4.85	1.0	227.6	2.5	39	0.2	2.3	5.2	718	2.78	6.9	0.5	9.9	1.8	156	<0.1	1.1	<0.1	51	3.26
1963547	Drill Core	4.80	2.0	155.7	2.5	42	0.2	3.8	7.6	712	2.80	5.6	0.4	9.7	1.7	125	<0.1	1.1	<0.1	60	3.13
1963548	Drill Core	4.91	2.0	60.5	2.5	42	<0.1	4.0	7.9	717	3.02	5.7	0.5	6.0	1.9	138	0.1	1.1	<0.1	64	2.70
1963549	Drill Core	4.61	1.9	57.6	2.7	42	<0.1	2.7	6.0	678	2.81	6.8	0.4	4.3	1.6	99	0.1	1.3	<0.1	59	2.69
1963550	Drill Core	4.70	0.7	107.7	2.8	38	<0.1	2.6	6.4	667	2.57	7.4	0.4	11.1	1.5	181	0.1	1.6	<0.1	62	2.90
1963551	Drill Core	4.85	1.3	74.0	2.6	40	<0.1	2.4	6.3	622	2.46	7.2	0.4	6.9	1.4	146	<0.1	1.2	<0.1	57	2.63
1963552	Drill Core	5.06	1.3	49.8	2.8	49	<0.1	2.3	7.0	584	2.55	6.4	0.3	5.9	1.3	111	0.1	1.2	<0.1	53	2.22
1963553	Drill Core	4.80	1.4	66.6	2.3	42	<0.1	2.5	6.8	539	2.51	6.3	0.2	6.8	1.3	73	<0.1	0.8	<0.1	52	2.02
1963554	Drill Core	4.83	1.7	69.6	2.8	40	<0.1	2.7	5.5	557	2.55	4.6	0.3	7.6	1.6	98	<0.1	0.7	<0.1	52	2.30



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
G1	Prep Blank	0.073	12	8	0.51	165	0.103	1	0.89	0.081	0.48	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2		
G1	Prep Blank	0.074	12	8	0.49	152	0.103	3	0.91	0.096	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2		
1963527	Drill Core	0.185	7	21	1.81	107	0.133	4	2.01	0.083	0.86	0.2	<0.01	16.2	0.2	1.31	10	3.1	0.2		
1963528	Drill Core	0.193	7	24	2.11	106	0.160	2	2.26	0.087	0.95	0.1	<0.01	15.9	0.3	1.54	10	2.3	0.3	0.148	
1963529	Drill Core	0.139	8	9	2.26	76	0.126	2	2.46	0.089	1.17	0.1	<0.01	9.4	0.4	2.62	11	3.9	<0.2	0.123	
1963530	Drill Core	0.138	7	8	1.61	68	0.108	2	1.75	0.069	0.76	0.2	0.02	8.3	0.2	2.73	8	5.6	0.6	0.118	
1963531	Drill Core	0.134	7	8	1.74	51	0.082	1	1.73	0.064	0.55	0.1	0.02	7.7	0.1	4.07	9	10.4	0.5	0.129	0.246
1963532	Drill Core	0.143	4	8	2.09	69	0.137	2	1.92	0.060	0.69	0.2	0.01	8.5	0.2	2.53	10	5.6	0.2		
1963533	Drill Core	0.140	4	8	2.38	71	0.149	2	2.00	0.073	0.57	0.2	<0.01	8.9	0.1	2.55	10	6.2	0.3		
1963534	Drill Core	0.149	17	10	1.90	167	0.052	3	1.97	0.079	0.36	0.2	0.02	7.9	<0.1	1.00	9	3.1	<0.2		
1963535	Drill Core	0.150	5	8	2.15	86	0.117	2	1.91	0.073	0.71	0.1	<0.01	7.8	0.2	1.47	9	5.0	0.3		
1963536	Drill Core	0.135	7	8	1.67	66	0.076	<1	1.61	0.059	0.43	0.1	0.04	7.1	0.1	2.89	9	6.6	0.3	0.147	0.334
1963537	Drill Core	0.136	10	8	1.64	84	0.022	3	1.52	0.068	0.27	0.1	0.04	7.9	<0.1	2.20	8	3.9	0.6	0.140	
1963538	Drill Core	0.138	11	8	1.64	102	0.019	2	1.66	0.071	0.13	<0.1	0.04	8.3	<0.1	1.73	9	2.8	0.3		
1963539	Drill Core	0.135	13	7	1.38	147	0.017	3	1.33	0.071	0.30	<0.1	0.04	7.5	<0.1	1.05	7	3.3	<0.2		
1963540	Rock Pulp	0.108	8	24	1.27	86	0.006	3	1.33	0.080	0.21	3.3	0.20	8.4	<0.1	1.68	6	6.5	0.4	0.315	0.319
1963541	Drill Core	0.127	10	3	1.02	152	0.001	5	0.81	0.089	0.32	<0.1	0.05	5.1	0.1	0.89	2	1.4	0.2	0.262	
1963542	Drill Core	0.109	13	12	0.70	92	0.009	4	0.92	0.073	0.47	<0.1	0.06	6.1	0.1	1.47	4	4.0	0.5	0.091	
1963543	Drill Core	0.049	11	13	0.52	46	0.002	3	0.59	0.085	0.27	<0.1	0.12	3.0	<0.1	2.60	2	12.7	0.6		
1963544	Drill Core	0.154	11	9	0.92	278	0.009	4	1.06	0.090	0.35	<0.1	<0.01	8.6	<0.1	0.64	5	3.1	<0.2		
1963545	Drill Core	0.119	14	2	0.72	751	0.003	5	1.08	0.097	0.27	<0.1	0.01	3.9	<0.1	0.13	5	<0.5	<0.2		
1963546	Drill Core	0.138	12	2	0.77	219	0.003	3	1.20	0.090	0.19	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2		
1963547	Drill Core	0.137	11	4	0.92	310	0.009	2	1.32	0.084	0.15	<0.1	<0.01	5.6	<0.1	<0.05	7	<0.5	<0.2		
1963548	Drill Core	0.141	10	4	1.01	452	0.033	4	1.50	0.089	0.14	<0.1	<0.01	5.5	<0.1	<0.05	8	<0.5	<0.2		
1963549	Drill Core	0.148	8	2	1.03	232	0.036	2	1.44	0.080	0.12	0.1	<0.01	4.6	<0.1	<0.05	8	<0.5	<0.2		
1963550	Drill Core	0.145	7	2	1.04	430	0.053	4	1.39	0.084	0.09	<0.1	<0.01	4.7	<0.1	<0.05	8	<0.5	<0.2		
1963551	Drill Core	0.148	7	2	1.06	303	0.046	3	1.38	0.085	0.10	0.1	<0.01	4.0	<0.1	<0.05	7	<0.5	<0.2		
1963552	Drill Core	0.148	6	2	1.25	131	0.020	2	1.50	0.084	0.12	<0.1	<0.01	3.7	<0.1	<0.05	7	<0.5	<0.2		
1963553	Drill Core	0.147	6	2	1.16	106	0.018	4	1.39	0.072	0.12	<0.1	0.01	3.9	<0.1	0.05	7	<0.5	<0.2		
1963554	Drill Core	0.127	8	2	1.07	338	0.020	3	1.31	0.071	0.14	<0.1	<0.01	3.7	<0.1	<0.05	7	<0.5	<0.2		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963555	Rock Pulp	0.10	67.6	7119	12.2	63	2.9	27.4	8.9	406	3.03	11.5	0.2	591.3	0.8	37	0.7	6.2	0.8	54	0.74
1963556	Drill Core	7.04	3.7	385.8	2.6	52	0.1	3.5	10.2	637	2.92	8.6	0.4	12.9	1.7	119	<0.1	1.1	<0.1	59	2.36
1963557	Drill Core	3.41	18.9	1183	2.3	79	0.6	4.1	15.1	760	4.44	10.9	0.4	73.1	1.3	127	0.2	0.6	<0.1	129	2.17
1963558	Drill Core	5.47	16.5	1164	3.5	94	0.7	4.5	16.7	898	4.05	12.1	0.4	69.6	1.2	115	0.4	0.6	<0.1	124	2.04
1963559	Drill Core	4.90	19.3	1525	2.9	82	1.0	5.0	19.2	841	5.07	10.7	0.5	87.6	1.2	148	0.3	0.9	0.1	130	2.49
1963560	Drill Core	3.46	35.2	1825	2.7	70	0.9	5.2	26.4	770	4.88	13.2	0.4	79.4	1.1	275	0.2	1.0	0.4	113	3.65
1963561	Drill Core	5.04	43.6	2144	3.0	74	1.2	6.2	29.2	857	5.38	10.6	0.4	128.2	1.0	297	0.2	0.4	0.3	98	4.51
1963562	Drill Core	4.98	47.6	1809	4.1	74	1.6	9.4	46.6	820	7.18	25.8	0.3	194.3	1.0	200	0.2	0.6	0.5	79	4.17
1963563	Drill Core	4.41	50.9	778.6	2.2	72	0.5	11.8	28.4	811	4.79	9.6	0.4	38.3	0.9	332	<0.1	0.4	0.1	109	4.91
1963564	Drill Core	5.38	16.5	612.2	3.2	95	0.5	6.2	15.7	1064	4.80	29.0	0.7	18.4	1.1	344	0.2	1.7	0.2	107	5.81
1963565	Drill Core	6.26	35.1	1558	5.6	87	1.0	7.7	31.4	861	7.56	11.3	0.8	100.8	1.2	295	0.2	0.2	0.3	159	4.78
1963566	Drill Core	4.25	0.6	20.4	3.5	25	<0.1	2.5	5.3	852	2.12	6.7	0.4	14.5	1.6	314	<0.1	1.5	0.4	33	5.61
1963567	Drill Core	4.92	0.3	5.7	4.0	40	<0.1	1.9	3.0	977	2.56	7.4	0.6	5.1	1.7	205	<0.1	2.2	0.3	44	4.62
1963568	Drill Core	5.20	0.4	12.0	3.3	37	<0.1	1.9	4.7	876	2.18	7.0	0.5	2.8	1.4	235	<0.1	1.6	0.2	40	4.34
1963569	Drill Core	5.59	0.3	3.3	3.6	18	<0.1	1.9	3.7	765	2.23	6.8	0.7	3.6	1.6	225	<0.1	1.6	0.3	36	5.04
1963570	Rock	0.63	<0.1	0.2	<0.1	<1	<0.1	<0.1	0.5	26	0.17	<0.5	1.2	<0.5	<0.1	3326	<0.1	<0.1	<0.1	<2	34.41
1963571	Drill Core	5.37	0.5	10.2	4.5	14	<0.1	1.4	3.7	726	2.00	7.3	0.5	1.1	1.4	254	<0.1	1.7	0.3	32	4.83
1963572	Drill Core	5.21	0.1	1.4	3.5	12	<0.1	1.4	1.7	695	1.59	5.7	0.4	1.4	1.2	213	<0.1	1.6	0.3	26	4.40
1963573	Drill Core	4.14	0.3	2.8	4.5	15	<0.1	0.9	2.9	834	2.32	5.3	0.6	3.1	1.5	223	<0.1	2.0	0.3	36	5.63
1963574	Drill Core	3.97	4.2	207.9	3.4	53	0.2	9.0	23.5	774	3.62	6.0	0.4	5.6	1.3	303	<0.1	0.4	0.3	84	5.35
1963575	Drill Core	5.44	18.9	127.8	4.5	40	<0.1	9.0	24.2	502	4.42	2.7	0.4	13.5	1.2	289	<0.1	0.2	0.1	111	4.52
1963576	Drill Core	5.63	33.9	134.2	3.8	31	<0.1	10.5	24.1	386	4.86	2.5	0.5	27.3	1.3	267	<0.1	0.2	0.1	132	3.76
1963577	Drill Core	3.90	6.6	239.6	3.0	47	0.2	10.5	31.7	452	5.04	14.7	0.2	35.7	1.1	313	<0.1	0.3	0.3	84	4.64
1963578	Drill Core	6.35	1.2	18.6	1.8	37	<0.1	2.8	9.1	537	2.66	5.6	0.4	2.1	1.9	130	<0.1	0.9	0.1	49	2.65
1963579	Drill Core	5.05	1.6	14.9	2.0	40	<0.1	2.2	8.6	634	3.06	6.4	0.3	4.3	1.9	151	<0.1	0.9	<0.1	61	2.66
1963580	Drill Core	5.42	0.7	50.6	1.7	39	<0.1	2.0	11.3	644	2.71	5.7	0.4	4.9	1.6	118	<0.1	0.6	<0.1	49	3.10
1963581	Drill Core	5.06	0.4	45.9	2.0	39	<0.1	2.3	10.2	644	2.74	5.6	0.4	5.5	1.5	135	<0.1	0.9	<0.1	58	2.76
1963582	Drill Core	5.96	0.5	52.6	2.0	35	<0.1	2.6	12.3	653	2.55	7.3	0.3	5.2	1.5	191	<0.1	1.1	<0.1	56	2.89
1963583	Drill Core	4.95	0.8	40.9	2.6	36	<0.1	2.1	8.8	627	2.97	8.5	0.5	5.9	1.7	138	0.1	1.2	<0.1	68	3.00
1963584	Drill Core	5.90	1.5	88.0	2.7	36	<0.1	2.8	10.8	620	2.95	6.9	0.4	14.3	1.5	289	<0.1	1.1	<0.1	62	2.91

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
1963555	Rock Pulp	0.051	4	39	0.71	88	0.100	2	1.45	0.087	0.13	2.2	0.08	4.4	<0.1	0.70	5	1.6	0.3	0.626	0.706
1963556	Drill Core	0.124	10	3	1.03	226	0.008	3	1.25	0.075	0.15	<0.1	0.02	4.5	<0.1	0.25	7	<0.5	<0.2		
1963557	Drill Core	0.154	10	7	1.48	183	0.015	<1	1.54	0.061	0.15	<0.1	0.01	7.5	<0.1	0.51	9	1.5	<0.2		
1963558	Drill Core	0.151	7	7	1.54	121	0.064	1	1.37	0.077	0.17	0.2	0.01	7.7	<0.1	0.82	8	0.6	0.2		
1963559	Drill Core	0.146	10	8	1.46	116	0.032	1	1.46	0.068	0.22	0.1	0.04	8.3	<0.1	1.19	8	2.1	0.3		
1963560	Drill Core	0.160	12	5	1.41	94	0.028	4	1.18	0.086	0.50	<0.1	0.02	9.6	<0.1	1.71	5	2.2	0.2		
1963561	Drill Core	0.160	9	3	1.62	68	0.007	7	0.96	0.104	0.44	<0.1	0.07	10.5	<0.1	1.91	4	3.7	0.4	0.148	0.212
1963562	Drill Core	0.126	6	8	1.37	34	0.003	5	0.71	0.089	0.34	0.1	0.08	10.2	<0.1	4.62	2	4.9	0.7	0.238	
1963563	Drill Core	0.138	8	15	1.62	43	0.037	6	1.19	0.091	0.75	0.1	0.04	15.8	0.2	3.67	6	5.0	0.4		
1963564	Drill Core	0.137	10	20	1.69	63	0.003	6	1.46	0.083	0.29	0.1	0.02	11.7	<0.1	2.23	5	2.0	<0.2		
1963565	Drill Core	0.144	16	15	1.58	22	0.004	3	1.44	0.067	0.24	<0.1	0.04	13.5	<0.1	5.57	6	7.4	0.5	0.110	
1963566	Drill Core	0.137	12	1	0.53	234	0.006	4	0.68	0.088	0.43	0.4	0.01	2.6	<0.1	0.64	2	<0.5	<0.2		
1963567	Drill Core	0.133	12	2	0.88	518	0.008	2	1.03	0.078	0.33	0.2	<0.01	2.8	<0.1	0.23	3	<0.5	<0.2		
1963568	Drill Core	0.124	11	2	0.74	403	0.006	4	1.11	0.072	0.34	0.1	<0.01	2.5	<0.1	0.38	4	<0.5	<0.2		
1963569	Drill Core	0.144	11	1	0.35	509	0.010	5	0.86	0.083	0.44	0.2	0.01	2.0	<0.1	0.15	2	<0.5	<0.2		
1963570	Rock	0.005	<1	<1	1.85	10	<0.001	<1	0.05	0.002	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2		
1963571	Drill Core	0.117	10	1	0.28	581	0.009	7	0.85	0.080	0.43	0.2	<0.01	1.9	<0.1	0.28	2	<0.5	<0.2		
1963572	Drill Core	0.111	9	2	0.25	738	0.007	5	0.71	0.066	0.38	0.3	<0.01	1.8	<0.1	0.20	2	<0.5	<0.2		
1963573	Drill Core	0.128	10	1	0.29	603	0.010	7	0.90	0.084	0.48	0.5	<0.01	2.3	<0.1	0.22	2	<0.5	<0.2		
1963574	Drill Core	0.181	13	14	1.18	40	0.003	4	1.63	0.085	0.44	0.1	0.01	5.7	<0.1	3.00	5	5.3	<0.2		
1963575	Drill Core	0.162	13	14	1.76	21	0.014	4	1.88	0.080	0.39	<0.1	0.01	7.7	<0.1	5.12	6	8.7	0.3		
1963576	Drill Core	0.156	9	17	2.10	24	0.049	3	2.08	0.096	0.39	0.1	0.04	10.2	0.1	5.75	7	6.6	0.5		
1963577	Drill Core	0.152	9	10	1.42	25	0.040	5	1.60	0.067	0.44	0.1	0.04	5.9	0.2	6.64	6	4.2	0.3		
1963578	Drill Core	0.117	10	3	0.83	332	0.006	4	1.20	0.085	0.17	<0.1	<0.01	4.2	<0.1	0.28	5	<0.5	<0.2		
1963579	Drill Core	0.136	10	2	0.94	731	0.013	2	1.37	0.103	0.17	0.4	0.01	4.7	<0.1	0.08	6	<0.5	<0.2		
1963580	Drill Core	0.143	10	2	0.87	323	0.009	3	1.31	0.081	0.21	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2		
1963581	Drill Core	0.138	8	2	1.04	374	0.030	3	1.42	0.097	0.15	<0.1	<0.01	4.3	<0.1	<0.05	7	<0.5	<0.2		
1963582	Drill Core	0.143	9	2	0.90	486	0.012	2	1.27	0.100	0.13	<0.1	0.01	4.7	<0.1	<0.05	7	<0.5	<0.2		
1963583	Drill Core	0.146	10	2	0.79	244	0.011	7	1.29	0.122	0.12	<0.1	<0.01	6.0	<0.1	<0.05	8	<0.5	<0.2		
1963584	Drill Core	0.140	8	2	0.89	603	0.040	5	1.18	0.105	0.09	<0.1	<0.01	5.0	<0.1	<0.05	7	<0.5	<0.2		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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SMI12000327.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963585	Drill Core	2.16	1.9	61.5	3.0	38	<0.1	2.3	13.3	625	3.06	6.5	0.4	6.0	1.6	230	<0.1	1.1	<0.1	64	2.25
1963586	Drill Core	2.40	1.9	62.3	2.8	37	<0.1	2.4	9.9	588	2.92	6.7	0.4	2.0	1.5	221	<0.1	1.0	<0.1	61	2.19
1963587	Drill Core	5.01	6.2	244.7	3.6	229	0.5	7.7	23.5	3346	5.61	30.7	0.4	13.3	1.3	45	0.1	0.5	0.2	150	1.47
1963588	Drill Core	4.90	11.1	185.7	5.4	335	0.3	7.9	20.2	3859	6.11	26.0	0.3	5.2	1.1	116	0.3	0.2	0.1	218	1.70
1963589	Drill Core	5.33	28.3	166.7	5.9	255	0.3	8.2	22.1	3672	5.88	33.3	0.4	6.1	1.4	157	0.4	0.5	0.3	190	2.47
1963590	Drill Core	5.16	16.1	144.5	1.5	119	0.1	7.4	15.2	2966	4.98	31.3	0.2	7.1	1.1	96	<0.1	0.6	<0.1	170	2.32
1963591	Drill Core	4.95	5.3	140.5	2.7	134	0.1	9.1	40.6	2689	5.14	31.3	0.4	2.9	1.1	113	0.2	0.7	0.2	161	1.90
1963592	Drill Core	5.43	23.2	104.0	6.1	155	0.2	7.6	29.8	3023	5.41	34.8	0.3	3.7	1.2	109	0.1	0.6	0.2	181	2.59
1963593	Drill Core	4.81	4.2	89.3	2.4	110	0.1	7.5	17.4	3266	5.03	36.3	0.3	5.3	1.2	145	0.1	0.9	0.1	182	3.61
1963594	Drill Core	4.92	4.6	92.8	2.2	115	0.1	8.6	33.9	3503	5.73	39.3	0.3	5.9	1.1	130	0.2	1.0	0.3	187	3.51
1963595	Drill Core	5.64	2.8	122.8	3.7	96	0.1	7.8	24.2	2297	4.28	39.4	0.3	11.0	1.0	71	0.2	0.8	0.2	148	2.00
1963596	Drill Core	5.35	4.2	141.1	4.7	93	0.2	8.1	28.7	2220	4.40	46.9	0.3	3.8	1.1	152	0.2	0.9	0.2	168	2.45
1963597	Drill Core	5.19	3.2	114.7	4.2	87	0.1	7.0	19.0	1727	3.92	46.3	0.3	8.4	1.0	74	0.2	1.3	0.2	145	1.85
1963598	Drill Core	5.37	8.7	220.0	3.8	92	0.2	7.9	25.0	1956	4.22	42.6	0.2	7.8	0.9	96	<0.1	1.5	0.2	134	1.91
1963599	Drill Core	5.04	3.4	136.1	3.6	89	0.1	6.6	12.6	2012	3.92	37.1	0.2	5.8	0.9	89	0.2	1.1	<0.1	132	2.29
1963600	Rock Pulp	0.10	477.0	3110	9.2	67	2.1	23.6	19.1	654	4.29	45.1	0.4	246.8	1.2	126	1.0	7.0	0.3	81	4.18
1963601	Drill Core	5.16	2.3	213.6	2.7	92	0.2	8.7	35.2	2205	4.95	41.0	0.2	5.6	0.8	79	<0.1	1.3	0.3	139	1.80
1963602	Drill Core	4.91	11.0	154.8	3.7	95	0.2	8.8	29.0	2148	4.72	39.1	0.2	6.9	0.9	79	0.2	1.5	0.3	134	2.09
1963603	Drill Core	5.21	16.4	52.9	3.3	95	0.1	6.5	12.9	2079	4.14	41.3	0.2	3.7	0.8	70	0.1	1.0	0.2	123	1.61
1963604	Drill Core	4.86	3.2	53.5	3.0	128	0.1	9.4	17.9	3264	4.45	40.0	0.2	3.7	0.8	74	0.2	1.0	0.2	150	1.87
1963605	Drill Core	4.71	3.0	39.2	2.4	112	<0.1	7.1	16.0	2677	3.98	34.0	0.2	1.1	0.9	73	0.1	0.8	0.1	141	1.59
1963606	Drill Core	5.40	0.5	42.4	2.5	119	<0.1	7.2	14.2	3548	4.75	33.2	0.3	<0.5	1.0	74	0.1	0.6	0.1	178	2.14
1963607	Drill Core	4.85	6.1	218.7	2.5	124	0.2	9.3	38.2	3116	5.48	35.1	0.2	6.5	1.2	69	<0.1	0.6	0.5	172	2.52
1963608	Drill Core	4.89	8.3	130.5	2.9	106	0.1	6.3	9.9	2624	5.45	29.8	0.2	0.7	1.3	84	0.1	0.8	0.2	183	3.37
1963609	Drill Core	6.28	3.6	274.1	6.1	93	0.3	9.8	24.9	2467	5.53	30.6	0.2	14.3	1.5	80	0.1	0.8	0.6	151	4.13
1963610	Drill Core	5.44	6.9	106.8	8.6	67	0.5	8.4	23.7	2362	5.67	28.7	0.7	28.9	1.1	115	0.2	0.8	1.7	62	6.01
1963611	Drill Core	5.20	3.0	59.7	3.9	102	<0.1	6.2	13.2	2052	4.39	26.1	0.2	6.8	1.5	82	<0.1	0.7	0.6	116	3.96
1963612	Drill Core	6.62	<0.1	315.5	12.1	135	0.5	4.8	23.1	2089	5.50	31.2	0.6	14.7	0.9	73	0.3	0.9	1.0	114	3.57
1963613	Drill Core	3.96	2.2	276.4	14.5	86	0.4	2.4	18.5	2431	4.20	36.1	0.6	34.2	0.9	100	0.2	0.4	0.7	73	5.63
1963614	Drill Core	5.22	1.4	75.6	2.9	53	<0.1	2.4	4.5	1150	2.58	12.3	0.4	3.5	2.8	63	<0.1	0.9	0.1	40	2.78



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 Te	G6 Au	7AR Cu
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%
				0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001
1963585	Drill Core			0.134	8	2	0.93	398	0.053	4	1.17	0.118	0.10	0.1	<0.01	5.1	<0.1	0.06	7	<0.5	<0.2		
1963586	Drill Core			0.128	7	2	0.89	449	0.049	3	1.10	0.111	0.09	0.1	0.02	4.8	<0.1	0.06	7	<0.5	<0.2		
1963587	Drill Core			0.203	11	7	2.59	92	0.071	5	3.49	0.062	1.14	0.2	0.04	11.6	0.4	1.77	9	0.7	0.3		
1963588	Drill Core			0.188	11	11	3.21	221	0.093	3	4.32	0.227	2.00	0.1	<0.01	18.2	0.6	0.71	12	<0.5	<0.2		
1963589	Drill Core			0.202	10	11	2.55	160	0.074	6	3.56	0.308	1.21	0.2	0.02	15.5	0.3	1.05	11	0.8	0.4		
1963590	Drill Core			0.214	6	10	2.30	201	0.070	4	2.47	0.162	0.52	0.2	0.01	11.5	0.2	0.53	10	<0.5	<0.2		
1963591	Drill Core			0.188	8	11	2.31	163	0.092	3	2.59	0.218	0.62	0.2	0.03	11.5	0.2	1.10	10	<0.5	<0.2		
1963592	Drill Core			0.192	7	11	2.25	121	0.105	4	2.39	0.225	0.49	0.3	0.02	11.1	0.1	0.75	10	0.7	<0.2		
1963593	Drill Core			0.203	7	11	2.01	169	0.111	5	2.35	0.238	0.52	0.3	<0.01	11.3	0.1	0.44	10	<0.5	<0.2		
1963594	Drill Core			0.206	8	12	2.01	128	0.095	5	2.50	0.194	0.66	0.3	0.02	13.6	0.2	0.98	10	<0.5	<0.2		
1963595	Drill Core			0.195	4	10	1.76	53	0.092	3	1.68	0.174	0.22	0.5	<0.01	7.7	<0.1	0.58	8	<0.5	<0.2		
1963596	Drill Core			0.202	6	10	1.83	104	0.113	4	2.45	0.350	0.45	0.3	0.02	7.9	<0.1	0.51	9	<0.5	<0.2		
1963597	Drill Core			0.198	4	9	1.55	53	0.100	3	1.35	0.211	0.16	0.6	0.01	6.7	<0.1	0.38	7	<0.5	<0.2		
1963598	Drill Core			0.188	4	8	2.08	61	0.091	3	1.77	0.154	0.17	0.4	0.02	7.0	<0.1	0.79	8	<0.5	<0.2		
1963599	Drill Core			0.196	4	9	1.71	51	0.067	2	1.50	0.164	0.12	0.4	<0.01	7.0	<0.1	0.28	7	<0.5	<0.2		
1963600	Rock Pulp			0.110	8	25	1.27	73	0.006	3	1.27	0.081	0.20	3.2	0.21	7.5	<0.1	1.66	5	6.5	0.2	0.282	0.315
1963601	Drill Core			0.192	4	9	2.16	93	0.097	4	2.04	0.177	0.42	0.4	0.03	6.6	0.1	1.41	9	<0.5	0.3		
1963602	Drill Core			0.174	4	8	1.58	73	0.076	4	1.66	0.152	0.41	0.3	0.01	5.9	0.1	0.68	7	<0.5	0.3		
1963603	Drill Core			0.192	3	8	1.40	107	0.064	2	1.38	0.166	0.20	0.3	<0.01	4.6	<0.1	0.28	7	<0.5	<0.2		
1963604	Drill Core			0.191	3	11	2.22	125	0.110	3	2.00	0.181	0.31	0.3	<0.01	9.5	<0.1	0.41	9	<0.5	<0.2		
1963605	Drill Core			0.201	3	11	2.04	136	0.108	2	2.06	0.187	0.41	0.3	<0.01	5.9	<0.1	0.34	8	<0.5	<0.2		
1963606	Drill Core			0.206	4	13	2.49	163	0.112	2	2.16	0.192	0.22	0.3	<0.01	8.9	<0.1	0.42	9	<0.5	<0.2		
1963607	Drill Core			0.202	5	13	2.41	84	0.056	5	2.25	0.150	0.15	0.2	<0.01	13.6	<0.1	1.51	9	0.9	0.5		
1963608	Drill Core			0.191	6	12	1.52	84	0.028	4	1.95	0.130	0.22	0.2	<0.01	15.0	<0.1	1.00	9	0.7	<0.2		
1963609	Drill Core			0.188	11	9	1.02	42	0.006	5	1.86	0.114	0.21	0.5	0.01	12.3	<0.1	1.98	8	<0.5	<0.2		
1963610	Drill Core			0.159	10	3	0.53	30	0.010	4	0.86	0.105	0.43	0.3	0.22	8.4	0.2	4.66	3	2.1	2.3		
1963611	Drill Core			0.198	12	8	1.89	99	0.013	5	2.10	0.137	0.44	0.2	0.04	10.6	0.1	1.71	7	<0.5	0.5		
1963612	Drill Core			0.193	9	2	1.39	47	0.027	5	1.82	0.127	0.61	0.1	0.09	7.6	0.2	3.99	7	2.5	1.0		
1963613	Drill Core			0.179	10	<1	1.07	45	0.008	3	1.38	0.105	0.36	0.1	0.04	4.8	0.1	2.71	5	3.0	0.8		
1963614	Drill Core			0.120	12	2	0.85	360	0.003	3	1.25	0.101	0.22	0.1	<0.01	3.3	<0.1	0.12	5	<0.5	<0.2		



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CERTIFICATE OF ANALYSIS

SMI12000327.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963615	Rock Pulp	0.10	63.6	7030	12.2	62	2.9	26.1	9.2	382	2.89	10.6	0.3	556.6	0.9	32	0.7	6.3	0.9	48	0.64
1963616	Drill Core	4.96	1.4	377.5	3.7	60	0.1	3.8	8.5	1417	2.90	13.4	0.8	4.0	1.8	91	0.1	1.2	0.4	48	4.57
1963617	Drill Core	4.85	1.9	169.2	4.4	59	0.2	4.2	7.3	1122	3.11	15.1	0.4	11.5	2.2	76	<0.1	1.9	0.2	57	3.46
1963618	Drill Core	4.72	2.3	126.9	2.6	42	<0.1	2.6	3.7	912	2.25	11.5	0.5	9.9	2.5	90	<0.1	0.8	0.2	33	3.18
1963619	Drill Core	4.32	1.5	100.7	3.9	47	<0.1	2.9	5.1	1046	2.61	13.7	0.5	<0.5	2.4	91	<0.1	1.3	<0.1	48	2.85
1963620	Drill Core	4.86	2.2	238.9	4.0	50	0.1	2.6	5.7	861	2.79	13.6	0.5	2.9	2.7	57	<0.1	1.9	0.2	43	2.02
1963621	Drill Core	4.99	1.9	131.9	4.2	43	0.2	6.5	7.5	1192	2.94	14.2	0.4	5.6	1.9	110	0.1	1.1	<0.1	56	3.70
1963622	Drill Core	4.44	1.8	139.0	2.8	43	0.1	3.9	6.1	994	2.96	17.4	0.2	<0.5	1.8	60	<0.1	1.1	<0.1	61	3.02
1963623	Drill Core	4.61	1.9	113.3	3.3	47	0.1	4.5	5.8	931	2.96	15.6	0.3	4.2	1.7	69	<0.1	1.9	<0.1	56	2.69
1963624	Drill Core	4.43	1.7	269.2	3.1	51	0.3	4.6	5.6	851	2.64	12.4	0.4	6.2	2.0	60	<0.1	1.4	0.1	52	2.15
1963625	Drill Core	4.65	1.7	1465	3.3	54	1.1	4.5	3.4	970	2.87	11.0	0.4	50.5	2.8	54	<0.1	1.5	0.3	61	2.45
1963626	Drill Core	3.19	1.5	345.1	4.8	51	0.3	3.1	4.0	1061	2.91	21.9	0.6	25.4	2.1	63	<0.1	3.1	0.2	46	3.73
1963627	Drill Core	6.38	3.2	318.5	12.9	157	0.8	7.9	43.0	1473	6.58	19.8	0.3	24.7	0.9	79	0.4	0.7	0.6	151	2.58
1963628	Drill Core	5.29	4.6	394.1	9.3	157	0.7	7.6	31.5	1208	7.74	15.1	0.2	43.2	0.8	27	0.1	0.7	1.4	112	1.42
1963629	Drill Core	5.42	3.7	397.5	14.8	275	1.1	8.4	29.2	966	7.88	23.8	0.2	56.3	0.7	22	1.5	0.6	1.1	67	1.04
1963630	Rock	1.41	<0.1	0.2	<0.1	<1	<0.1	0.8	<0.1	26	<0.01	<0.5	1.1	7.2	<0.1	3323	<0.1	<0.1	<0.1	<2	31.22
1963631	Drill Core	4.52	1.7	614.0	10.8	209	1.8	8.4	19.7	1154	5.57	19.6	0.3	68.5	0.7	<1	0.5	0.6	0.6	74	0.88
1963632	Drill Core	7.75	0.5	243.0	10.7	188	0.5	7.3	13.5	1417	4.58	10.9	0.2	15.8	0.8	45	0.3	0.3	0.4	138	1.36
1963633	Drill Core	5.11	8.6	590.8	13.3	45	0.6	3.4	18.2	597	4.55	14.9	0.3	91.2	1.3	54	<0.1	0.7	0.7	32	2.34
1963634	Drill Core	5.03	11.4	351.7	16.6	69	0.8	7.7	20.8	605	5.96	13.6	0.3	53.4	1.3	49	0.2	0.4	0.8	37	1.96
1963635	Drill Core	5.63	2.1	231.0	11.0	154	1.4	9.0	20.2	475	5.67	10.0	0.4	42.8	1.4	15	0.4	0.6	0.8	29	0.75
1963636	Drill Core	5.33	5.7	286.3	15.5	252	1.1	7.0	21.1	299	5.31	16.5	0.4	54.0	1.1	42	1.8	0.5	0.9	13	0.85
1963637	Drill Core	5.16	8.4	249.5	13.4	314	1.0	8.2	16.9	519	4.50	13.0	0.4	58.8	1.3	34	1.9	0.5	0.7	15	0.90
1963638	Drill Core	5.29	7.6	234.5	15.8	371	0.9	8.6	17.9	334	4.59	9.6	0.4	43.4	1.5	17	2.7	0.4	0.6	13	0.78
1963639	Drill Core	5.18	23.1	238.4	13.5	333	1.7	7.5	17.3	786	5.89	6.7	0.4	37.7	1.1	41	2.3	0.5	1.0	15	2.47
1963640	Drill Core	5.95	41.3	256.9	16.8	587	1.3	7.7	22.5	950	6.20	7.3	0.4	36.4	1.1	58	3.8	0.8	1.0	32	1.92
1963641	Drill Core	5.64	6.9	245.2	9.0	225	1.3	7.0	15.2	1544	4.83	5.6	0.4	27.0	1.3	41	0.6	0.7	0.8	76	1.26
1963642	Drill Core	5.80	2.5	328.4	10.9	167	1.4	7.6	17.6	1422	6.40	7.9	0.3	36.6	0.9	115	0.4	0.7	0.9	64	1.31
1963643	Drill Core	7.71	3.3	344.5	9.4	410	0.9	4.4	9.6	935	3.17	4.0	0.3	39.0	1.3	141	2.1	0.5	0.3	41	1.02
1963644	Drill Core	2.73	3.5	74.1	12.7	501	0.3	3.9	9.5	719	3.43	4.5	0.3	25.6	1.3	203	2.7	0.3	0.4	26	1.50

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
1963615	Rock Pulp	0.051	3	38	0.66	81	0.087	2	1.33	0.083	0.13	2.4	0.07	3.8	<0.1	0.69	4	1.8	0.3	0.624	0.731
1963616	Drill Core	0.143	10	2	0.79	402	0.003	4	1.39	0.088	0.23	0.1	<0.01	4.6	<0.1	0.07	5	<0.5	0.3		
1963617	Drill Core	0.150	12	2	0.98	219	0.004	4	1.41	0.111	0.25	0.2	0.01	4.6	<0.1	0.15	6	<0.5	<0.2		
1963618	Drill Core	0.131	14	1	0.67	228	0.002	3	0.64	0.102	0.27	0.1	<0.01	3.1	<0.1	0.14	2	<0.5	<0.2		
1963619	Drill Core	0.127	12	1	0.78	657	0.002	3	0.82	0.116	0.18	<0.1	<0.01	4.1	<0.1	0.05	4	<0.5	<0.2		
1963620	Drill Core	0.124	14	1	0.90	236	0.003	3	1.09	0.109	0.20	0.2	<0.01	3.0	<0.1	0.09	5	<0.5	<0.2		
1963621	Drill Core	0.143	9	3	0.95	1123	0.004	4	1.38	0.111	0.20	0.2	<0.01	4.0	<0.1	<0.05	6	<0.5	<0.2		
1963622	Drill Core	0.153	11	2	0.97	278	0.004	4	1.37	0.098	0.18	0.2	<0.01	5.2	<0.1	<0.05	7	<0.5	<0.2		
1963623	Drill Core	0.144	10	2	1.22	423	0.005	3	1.65	0.097	0.19	0.2	<0.01	4.0	<0.1	<0.05	7	<0.5	<0.2		
1963624	Drill Core	0.145	6	3	1.19	173	0.005	2	1.62	0.083	0.16	0.1	<0.01	3.6	<0.1	0.08	6	<0.5	<0.2		
1963625	Drill Core	0.146	9	3	1.03	146	0.008	2	1.51	0.092	0.23	0.1	<0.01	4.7	<0.1	0.25	6	<0.5	<0.2		
1963626	Drill Core	0.155	11	2	0.71	85	0.005	5	1.05	0.132	0.30	0.3	0.02	4.2	0.1	0.31	4	<0.5	<0.2		
1963627	Drill Core	0.154	8	7	2.27	50	0.077	3	2.42	0.119	0.88	<0.1	0.04	13.3	0.3	4.63	9	2.1	1.5		
1963628	Drill Core	0.148	7	5	1.88	39	0.092	4	2.34	0.081	1.11	0.1	0.02	7.8	0.5	5.76	7	4.4	1.6		
1963629	Drill Core	0.123	6	4	1.46	36	0.045	2	1.67	0.065	0.79	<0.1	0.03	3.6	0.4	7.60	5	6.5	2.1		
1963630	Rock	0.004	<1	<1	1.53	3	<0.001	<1	0.02	0.002	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	0.3		
1963631	Drill Core	0.132	7	5	1.69	18	0.066	5	2.11	0.080	1.11	0.1	0.02	4.7	0.5	4.43	6	3.4	1.3		
1963632	Drill Core	0.124	7	8	2.11	63	0.086	1	2.60	0.147	0.91	<0.1	<0.01	11.1	0.4	1.81	9	1.4	0.6		
1963633	Drill Core	0.150	10	1	0.48	21	0.004	5	1.03	0.105	0.40	0.1	0.02	3.0	0.2	3.78	3	4.1	0.8		
1963634	Drill Core	0.159	9	3	0.34	18	0.006	4	0.99	0.089	0.49	<0.1	0.02	3.5	0.2	5.66	3	5.9	1.6		
1963635	Drill Core	0.150	8	2	0.45	21	0.013	2	1.06	0.045	0.62	<0.1	0.03	2.1	0.3	5.49	3	2.4	1.1		
1963636	Drill Core	0.134	7	1	0.13	10	0.002	3	0.59	0.028	0.40	0.1	0.05	1.3	0.3	5.84	1	4.8	1.2		
1963637	Drill Core	0.159	8	1	0.38	14	0.003	2	0.64	0.033	0.40	0.1	0.04	1.3	0.2	4.77	1	4.3	0.9		
1963638	Drill Core	0.153	8	2	0.21	15	0.002	1	0.65	0.027	0.41	0.1	0.04	1.2	0.2	5.01	1	4.2	0.5		
1963639	Drill Core	0.130	7	1	0.40	10	0.003	2	0.75	0.025	0.39	0.1	0.05	1.4	0.2	6.33	2	9.7	0.9		
1963640	Drill Core	0.131	9	3	0.74	10	0.007	4	1.06	0.041	0.48	0.2	0.06	2.3	0.2	6.43	3	9.4	1.1		
1963641	Drill Core	0.154	13	6	1.71	20	0.047	2	1.89	0.050	0.84	<0.1	0.02	4.3	0.5	3.98	6	6.0	0.7		
1963642	Drill Core	0.140	8	7	1.43	14	0.030	3	1.72	0.046	0.62	<0.1	0.02	3.7	0.4	5.75	5	4.9	0.9		
1963643	Drill Core	0.096	10	4	1.13	28	0.010	4	1.31	0.049	0.38	<0.1	0.03	2.0	0.2	2.53	5	1.4	0.5		
1963644	Drill Core	0.084	9	3	0.68	22	0.002	2	0.90	0.033	0.30	<0.1	0.05	1.0	0.1	3.60	3	2.6	0.6		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963645	Drill Core	2.65	6.0	193.6	10.8	276	1.1	5.1	11.8	1332	3.60	6.0	0.4	30.9	1.4	147	1.0	0.4	0.4	29	1.89
1963646	Drill Core	2.37	7.2	189.4	11.6	381	1.0	5.5	11.8	1425	3.76	6.3	0.4	35.4	1.5	164	1.8	0.4	0.4	31	2.04
1963647	Drill Core	5.73	71.1	73.3	28.2	279	1.0	8.0	18.7	1219	5.45	9.5	0.4	33.6	1.2	158	1.3	0.4	0.7	41	2.10
1963648	Drill Core	4.84	7.7	165.6	39.8	436	1.4	4.7	11.5	1357	4.05	9.4	0.6	29.8	1.5	185	2.7	0.5	0.4	31	1.88
1963649	Drill Core	5.00	1.6	490.9	27.0	233	2.4	4.4	15.4	1880	4.81	16.2	0.6	91.2	0.9	202	1.0	0.9	0.3	48	2.48
1963650	Drill Core	5.59	1.2	446.2	20.9	254	1.8	8.8	15.5	2253	5.36	7.7	0.7	91.0	1.2	160	0.5	0.6	0.3	72	1.88
1963651	Drill Core	5.24	1.8	890.5	22.3	293	3.7	8.3	15.7	1626	6.13	14.2	0.5	106.7	1.1	175	1.4	0.7	0.5	47	1.94
1963652	Drill Core	5.04	1.6	369.9	27.5	434	1.7	7.6	17.2	2220	5.55	6.2	0.6	33.4	1.1	203	1.4	0.4	0.3	80	2.09
1963653	Drill Core	5.57	1.7	328.7	26.2	643	1.4	8.2	16.5	1994	5.30	4.8	0.6	23.8	1.1	160	3.0	0.5	0.3	84	2.03
1963654	Drill Core	4.92	3.9	324.5	41.7	816	1.5	7.1	16.0	2010	6.03	5.6	0.5	30.9	1.1	216	4.3	0.4	0.3	75	2.61
1963655	Drill Core	5.23	13.4	308.5	38.7	679	1.5	7.3	18.5	1781	5.69	10.6	0.6	29.9	1.1	242	4.4	0.4	0.4	59	2.77
1963656	Drill Core	5.46	19.1	473.0	49.6	170	1.5	7.0	19.2	1229	7.62	11.2	0.8	59.0	1.0	162	1.0	0.5	0.7	40	2.69
1963657	Drill Core	4.92	17.6	298.4	40.9	118	0.8	11.0	34.2	1161	9.07	17.6	0.9	240.8	1.1	115	1.0	0.6	0.8	80	2.42
1963658	Drill Core	5.36	41.2	902.6	36.0	231	2.5	8.9	20.7	834	7.31	17.9	0.8	84.5	1.1	162	2.0	0.8	0.6	46	2.28
1963659	Drill Core	5.44	49.1	564.0	33.2	178	1.4	9.0	32.3	1007	8.27	12.7	0.9	294.3	1.0	128	1.1	0.6	0.7	71	2.95
1963660	Rock Pulp	0.10	496.2	3215	9.8	64	2.1	22.8	17.7	659	4.51	44.5	0.5	308.5	1.2	131	1.4	5.2	0.3	85	4.04
1963661	Drill Core	3.27	7.4	168.6	6.1	171	0.3	7.0	17.3	1524	5.19	7.6	0.5	34.0	1.2	93	0.3	0.4	0.1	142	2.66
1963662	Drill Core	4.73	1.5	127.8	2.3	57	0.2	2.6	6.8	914	2.57	5.8	0.7	333.9	2.5	161	<0.1	0.8	0.1	39	2.37
1963663	Drill Core	5.88	2.1	14.4	2.1	47	<0.1	2.3	4.0	834	2.16	3.7	0.9	17.8	4.5	139	<0.1	0.7	<0.1	33	2.08
1963664	Drill Core	4.21	2.1	27.2	2.0	39	<0.1	2.1	3.9	611	1.99	4.0	1.2	10.1	5.4	160	<0.1	1.1	<0.1	33	1.56
1963665	Drill Core	5.38	2.5	85.7	2.8	40	<0.1	2.3	7.5	582	2.04	4.7	1.7	13.3	5.7	107	<0.1	1.5	0.1	35	1.59
1963666	Drill Core	4.47	2.8	112.7	2.8	42	<0.1	2.5	6.3	573	2.06	3.8	1.4	11.0	5.1	129	<0.1	1.2	<0.1	34	1.28
1963667	Drill Core	4.99	4.7	126.4	2.5	39	<0.1	2.4	6.1	551	2.08	4.1	1.4	7.4	5.6	83	<0.1	0.9	<0.1	33	1.16
1963668	Drill Core	4.25	3.4	68.6	3.5	42	<0.1	1.8	7.4	610	2.07	4.7	1.3	5.6	5.3	139	0.1	1.1	<0.1	33	1.35
1963669	Drill Core	5.19	4.7	99.8	2.9	41	<0.1	2.3	10.0	531	1.82	4.3	1.0	2.6	4.8	139	<0.1	0.8	<0.1	29	1.46
1963670	Drill Core	5.11	3.9	49.7	3.3	44	<0.1	2.1	9.5	543	1.85	4.5	0.9	<0.5	4.3	96	<0.1	0.9	<0.1	28	1.27
1963671	Drill Core	4.74	3.7	24.4	3.0	47	<0.1	2.6	8.1	638	2.01	4.6	0.8	<0.5	4.1	72	<0.1	0.9	<0.1	31	1.50
1963672	Drill Core	5.00	2.0	92.5	3.2	62	0.1	6.2	13.0	937	2.94	6.2	0.4	19.7	1.8	107	0.1	0.9	<0.1	64	2.31
1963673	Drill Core	5.51	1.7	102.3	3.2	59	0.1	6.3	12.8	946	3.11	6.6	0.3	6.4	1.7	98	0.1	0.7	<0.1	76	2.14
1963674	Drill Core	4.90	2.0	82.4	4.0	63	0.1	6.9	13.8	1062	3.02	6.2	0.4	3.7	1.8	103	0.1	0.7	<0.1	73	2.40

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 175
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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
1963645	Drill Core	0.111	10	2	0.85	21	0.007	3	1.07	0.043	0.43	0.1	0.02	1.6	0.2	3.58	3	2.4	0.5		
1963646	Drill Core	0.117	11	3	0.88	23	0.006	5	1.22	0.047	0.47	0.1	0.04	1.8	0.2	3.71	4	2.7	0.7		
1963647	Drill Core	0.136	9	4	0.79	13	0.013	3	1.09	0.052	0.49	0.1	0.06	2.5	0.3	6.19	3	4.2	1.6		
1963648	Drill Core	0.100	10	3	0.66	17	0.004	3	0.98	0.056	0.37	0.1	0.04	1.7	0.2	4.37	4	1.9	0.8		
1963649	Drill Core	0.175	8	1	1.08	17	0.013	5	1.32	0.056	0.55	0.2	0.02	2.4	0.4	5.23	4	5.1	0.8		
1963650	Drill Core	0.150	10	7	1.60	18	0.054	5	1.91	0.039	0.87	0.2	0.01	3.6	0.5	4.88	6	5.1	0.6		
1963651	Drill Core	0.128	6	4	1.10	13	0.043	3	1.48	0.032	0.77	0.1	0.02	2.9	0.5	6.38	4	6.2	1.0	0.094	
1963652	Drill Core	0.151	8	7	1.62	18	0.069	6	2.07	0.043	0.96	0.1	0.03	4.5	0.6	5.02	6	3.3	0.6		
1963653	Drill Core	0.147	6	8	1.56	17	0.056	6	1.86	0.045	0.82	0.2	0.05	4.6	0.6	5.20	6	3.8	0.4		
1963654	Drill Core	0.138	5	7	1.30	12	0.020	4	1.57	0.044	0.42	0.1	0.10	4.3	0.3	6.38	5	4.8	0.4		
1963655	Drill Core	0.136	7	5	0.90	13	0.012	4	1.12	0.042	0.39	0.1	0.12	3.5	0.2	6.22	4	5.4	0.5		
1963656	Drill Core	0.125	6	4	0.63	9	0.010	5	0.96	0.041	0.46	0.2	0.06	2.7	0.2	8.26	3	9.1	1.2		
1963657	Drill Core	0.131	9	10	1.03	8	0.018	7	1.31	0.058	0.50	0.2	0.07	5.3	0.2	8.84	5	12.2	1.2	0.209	
1963658	Drill Core	0.137	7	5	0.57	9	0.009	5	0.86	0.047	0.39	0.3	0.06	3.5	0.2	7.72	4	10.1	0.9		
1963659	Drill Core	0.127	7	10	0.81	8	0.009	4	1.04	0.046	0.28	0.2	0.10	5.6	<0.1	8.08	4	9.2	1.0	0.295	
1963660	Rock Pulp	0.122	8	24	1.26	47	0.006	6	1.40	0.085	0.21	3.4	0.24	7.8	<0.1	1.70	5	6.1	<0.2	0.313	0.317
1963661	Drill Core	0.137	11	16	1.91	46	0.091	6	2.53	0.105	0.99	<0.1	0.03	10.7	0.5	2.00	10	2.7	0.5		
1963662	Drill Core	0.105	11	2	0.71	267	0.004	8	1.10	0.067	0.24	0.2	<0.01	2.4	<0.1	0.51	5	0.7	<0.2	0.246	
1963663	Drill Core	0.086	13	3	0.68	485	0.005	5	1.02	0.063	0.22	0.2	<0.01	2.4	<0.1	0.18	5	<0.5	<0.2		
1963664	Drill Core	0.073	14	3	0.60	467	0.004	6	0.92	0.070	0.15	0.1	<0.01	3.0	<0.1	0.10	5	<0.5	<0.2		
1963665	Drill Core	0.072	14	4	0.64	277	0.005	2	0.95	0.077	0.15	<0.1	<0.01	2.7	<0.1	0.20	5	<0.5	<0.2		
1963666	Drill Core	0.074	13	4	0.69	445	0.004	2	0.97	0.069	0.12	<0.1	<0.01	2.5	<0.1	0.13	5	<0.5	<0.2		
1963667	Drill Core	0.072	13	4	0.70	246	0.006	2	1.04	0.077	0.15	<0.1	<0.01	2.1	<0.1	0.06	5	<0.5	<0.2		
1963668	Drill Core	0.070	13	4	0.66	438	0.006	2	0.99	0.077	0.14	<0.1	0.01	2.4	<0.1	0.09	5	<0.5	<0.2		
1963669	Drill Core	0.073	11	4	0.65	352	0.008	2	0.95	0.066	0.15	<0.1	<0.01	2.1	<0.1	0.11	5	<0.5	<0.2		
1963670	Drill Core	0.078	10	4	0.67	262	0.005	2	0.97	0.070	0.13	<0.1	<0.01	2.0	<0.1	0.07	5	<0.5	<0.2		
1963671	Drill Core	0.078	9	5	0.72	145	0.009	3	1.06	0.067	0.15	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2		
1963672	Drill Core	0.136	8	6	1.10	201	0.020	3	1.52	0.081	0.14	<0.1	<0.01	4.2	<0.1	<0.05	7	<0.5	<0.2		
1963673	Drill Core	0.141	7	6	1.19	250	0.037	3	1.51	0.080	0.12	<0.1	<0.01	5.5	<0.1	<0.05	8	<0.5	<0.2		
1963674	Drill Core	0.140	7	6	1.20	244	0.042	3	1.61	0.083	0.12	0.1	<0.01	4.9	<0.1	0.05	7	<0.5	<0.2		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963675	Rock Pulp	0.09	64.9	7252	11.3	59	2.6	26.8	9.4	370	2.95	10.0	0.2	516.1	0.8	32	0.6	5.2	0.6	50	0.66
1963676	Drill Core	4.95	2.1	67.7	3.0	58	<0.1	6.5	15.3	830	3.02	6.2	0.3	3.0	1.6	135	<0.1	0.9	<0.1	69	2.18
1963677	Drill Core	4.97	2.4	61.6	3.1	61	<0.1	7.6	13.2	864	3.18	5.0	0.4	4.2	1.8	79	<0.1	0.8	<0.1	76	2.12
1963678	Drill Core	3.78	1.8	66.7	3.1	62	<0.1	6.1	11.9	972	3.05	6.4	0.3	5.9	1.8	86	<0.1	1.1	<0.1	69	2.26
1963679	Drill Core	5.26	1.9	66.1	3.4	64	<0.1	6.7	13.5	987	3.03	6.7	0.4	3.2	1.9	128	0.1	1.1	<0.1	71	2.43
1963680	Drill Core	4.54	1.9	60.0	2.4	68	<0.1	6.4	15.2	915	2.86	6.7	0.4	4.3	1.7	154	<0.1	1.0	<0.1	64	2.34
1963681	Drill Core	4.63	2.3	116.2	3.2	62	0.1	8.2	13.0	991	3.35	6.3	0.5	7.8	2.3	94	<0.1	1.2	<0.1	83	2.41
1963682	Drill Core	5.49	2.1	88.6	3.3	58	0.1	8.1	19.2	1096	3.16	5.4	0.6	9.1	2.1	117	<0.1	0.8	<0.1	80	2.96
1963683	Drill Core	4.74	2.0	85.5	3.5	61	0.1	7.4	14.0	958	3.20	4.9	0.5	10.1	2.0	169	0.1	0.8	<0.1	82	2.28
1963684	Drill Core	5.08	2.3	131.0	4.1	61	0.1	8.3	14.2	1074	3.41	6.0	0.5	5.8	2.1	85	0.2	0.9	<0.1	86	2.33
1963685	Drill Core	4.77	1.5	71.4	3.5	64	0.1	7.0	12.9	983	2.91	7.1	0.4	4.2	1.7	100	0.1	1.3	<0.1	60	1.99
1963686	Drill Core	4.66	2.2	158.3	4.5	84	0.2	6.8	11.9	1125	3.03	6.8	0.4	11.1	1.8	125	0.4	1.2	<0.1	76	2.62
1963687	Drill Core	5.60	2.0	118.0	4.5	62	0.1	7.2	12.0	995	3.03	6.8	0.5	4.9	2.0	90	<0.1	1.1	<0.1	74	2.55
1963688	Drill Core	4.62	1.6	88.0	4.2	72	0.1	6.3	12.6	997	3.00	7.3	0.4	5.3	1.7	102	0.1	1.0	<0.1	69	2.49
1963689	Drill Core	5.20	1.9	76.3	3.6	74	0.1	7.0	13.4	925	2.91	6.8	0.4	2.1	1.6	130	<0.1	1.0	<0.1	60	2.18
1963690	Rock	1.01	<0.1	0.7	<0.1	<1	<0.1	<0.1	<0.1	36	<0.01	0.9	1.1	<0.5	<0.1	4038	<0.1	<0.1	<0.1	<2	37.19
1963691	Drill Core	4.79	1.9	76.6	2.3	66	<0.1	5.6	20.5	863	2.66	9.2	0.3	1.9	1.4	158	<0.1	1.1	<0.1	50	1.86
1963692	Drill Core	4.86	1.7	49.6	2.5	64	<0.1	5.8	10.8	875	2.54	6.7	0.3	0.8	1.4	124	<0.1	1.1	<0.1	51	2.30
1963693	Drill Core	4.81	1.2	60.5	2.7	67	<0.1	6.0	12.3	1056	2.96	7.6	0.4	21.3	1.7	103	<0.1	1.1	<0.1	60	2.71
1963694	Drill Core	5.00	1.9	138.1	2.7	55	<0.1	4.8	9.9	1131	2.46	6.4	0.4	1.9	1.8	210	<0.1	1.3	<0.1	50	3.38
1963695	Drill Core	5.00	1.6	113.1	3.5	69	0.1	5.9	10.3	1071	2.92	9.1	0.5	2.6	2.1	143	<0.1	2.5	<0.1	59	2.60



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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	0.005	0.001	
1963675	Rock Pulp	0.047	3	40	0.67	76	0.090	3	1.34	0.080	0.13	2.1	0.06	3.8	<0.1	0.72	4	2.0	0.2	0.674	0.724
1963676	Drill Core	0.144	6	6	1.16	423	0.041	3	1.51	0.082	0.11	<0.1	<0.01	4.8	<0.1	<0.05	7	<0.5	<0.2		
1963677	Drill Core	0.140	7	7	1.13	141	0.034	3	1.48	0.082	0.14	0.1	<0.01	4.9	<0.1	0.05	7	<0.5	<0.2		
1963678	Drill Core	0.142	8	6	1.21	183	0.022	3	1.60	0.079	0.13	<0.1	<0.01	4.8	<0.1	<0.05	8	<0.5	<0.2		
1963679	Drill Core	0.146	7	6	1.15	361	0.033	5	1.62	0.089	0.15	<0.1	<0.01	4.9	<0.1	<0.05	7	<0.5	<0.2		
1963680	Drill Core	0.144	7	6	1.21	288	0.022	2	1.50	0.072	0.14	0.1	<0.01	4.3	<0.1	0.12	7	<0.5	<0.2		
1963681	Drill Core	0.137	9	9	1.13	174	0.028	4	1.59	0.087	0.16	<0.1	<0.01	6.1	<0.1	<0.05	7	<0.5	<0.2		
1963682	Drill Core	0.134	10	9	1.05	271	0.017	3	1.49	0.086	0.18	<0.1	<0.01	5.9	<0.1	0.08	7	<0.5	<0.2		
1963683	Drill Core	0.141	8	10	1.16	803	0.034	3	1.58	0.084	0.15	<0.1	<0.01	6.3	<0.1	0.05	8	<0.5	<0.2		
1963684	Drill Core	0.137	8	9	1.18	226	0.051	3	1.54	0.080	0.13	<0.1	<0.01	6.1	<0.1	0.05	7	<0.5	<0.2		
1963685	Drill Core	0.141	6	6	1.24	207	0.030	3	1.66	0.083	0.10	<0.1	<0.01	4.1	<0.1	0.05	7	<0.5	<0.2		
1963686	Drill Core	0.138	7	6	1.14	382	0.063	3	1.55	0.077	0.12	<0.1	<0.01	5.2	<0.1	0.09	7	<0.5	<0.2		
1963687	Drill Core	0.141	8	7	1.08	213	0.044	2	1.52	0.082	0.15	<0.1	<0.01	5.4	<0.1	0.06	7	<0.5	<0.2		
1963688	Drill Core	0.142	7	6	1.13	166	0.035	3	1.52	0.078	0.14	<0.1	<0.01	4.6	<0.1	<0.05	7	<0.5	<0.2		
1963689	Drill Core	0.144	6	6	1.18	261	0.032	2	1.64	0.077	0.15	<0.1	<0.01	3.8	<0.1	0.06	7	<0.5	<0.2		
1963690	Rock	0.005	<1	<1	1.76	5	<0.001	<1	0.02	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2		
1963691	Drill Core	0.139	5	5	1.20	287	0.010	3	1.55	0.078	0.15	<0.1	<0.01	3.2	<0.1	0.13	6	<0.5	<0.2		
1963692	Drill Core	0.143	6	4	1.11	320	0.014	2	1.43	0.063	0.13	<0.1	<0.01	3.2	<0.1	0.10	6	<0.5	<0.2		
1963693	Drill Core	0.146	8	5	1.01	271	0.007	3	1.45	0.076	0.20	<0.1	<0.01	3.8	<0.1	0.17	6	<0.5	<0.2		
1963694	Drill Core	0.116	8	4	0.81	648	0.005	3	1.20	0.060	0.17	<0.1	<0.01	2.8	<0.1	0.17	5	<0.5	<0.2		
1963695	Drill Core	0.138	8	4	1.22	317	0.007	4	1.71	0.092	0.17	<0.1	<0.01	4.1	<0.1	0.07	7	<0.5	<0.2		



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Serengeti Resources**
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8 CANADA

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QUALITY CONTROL REPORT

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1963533	Drill Core	5.22	19.0	1162	4.8	168	0.9	5.5	26.8	1193	5.18	10.0	0.5	35.6	1.1	175	0.6	0.3	0.2	130	1.74
REP 1963533	QC		19.1	1188	4.5	170	0.9	5.3	27.0	1170	5.34	10.6	0.4	33.9	1.1	175	0.4	0.3	0.1	134	1.78
1963559	Drill Core	4.90	19.3	1525	2.9	82	1.0	5.0	19.2	841	5.07	10.7	0.5	87.6	1.2	148	0.3	0.9	0.1	130	2.49
REP 1963559	QC		19.7	1540	2.8	86	1.0	4.9	18.4	826	5.03	10.4	0.5	89.8	1.2	145	0.3	0.8	<0.1	129	2.47
1963561	Drill Core	5.04	43.6	2144	3.0	74	1.2	6.2	29.2	857	5.38	10.6	0.4	128.2	1.0	297	0.2	0.4	0.3	98	4.51
REP 1963561	QC																				
1963568	Drill Core	5.20	0.4	12.0	3.3	37	<0.1	1.9	4.7	876	2.18	7.0	0.5	2.8	1.4	235	<0.1	1.6	0.2	40	4.34
REP 1963568	QC		0.4	12.5	3.3	37	<0.1	1.7	4.6	879	2.21	7.1	0.5	<0.5	1.5	238	<0.1	1.7	0.2	40	4.38
1963594	Drill Core	4.92	4.6	92.8	2.2	115	0.1	8.6	33.9	3503	5.73	39.3	0.3	5.9	1.1	130	0.2	1.0	0.3	187	3.51
REP 1963594	QC		4.8	93.5	2.4	111	0.1	8.7	34.0	3479	5.62	39.4	0.3	6.1	1.1	129	0.2	0.9	0.3	182	3.47
1963603	Drill Core	5.21	16.4	52.9	3.3	95	0.1	6.5	12.9	2079	4.14	41.3	0.2	3.7	0.8	70	0.1	1.0	0.2	123	1.61
REP 1963603	QC		16.5	51.6	3.4	90	0.1	6.7	13.1	2081	4.10	39.7	0.2	2.3	0.8	70	0.2	1.0	0.2	121	1.59
1963615	Rock Pulp	0.10	63.6	7030	12.2	62	2.9	26.1	9.2	382	2.89	10.6	0.3	556.6	0.9	32	0.7	6.3	0.9	48	0.64
REP 1963615	QC																				
1963629	Drill Core	5.42	3.7	397.5	14.8	275	1.1	8.4	29.2	966	7.88	23.8	0.2	56.3	0.7	22	1.5	0.6	1.1	67	1.04
REP 1963629	QC		3.8	387.6	15.1	267	1.0	7.9	28.2	913	7.65	24.4	0.2	59.4	0.7	22	1.6	0.6	1.0	66	1.02
1963638	Drill Core	5.29	7.6	234.5	15.8	371	0.9	8.6	17.9	334	4.59	9.6	0.4	43.4	1.5	17	2.7	0.4	0.6	13	0.78
REP 1963638	QC		7.3	233.1	16.2	376	0.9	8.2	17.9	333	4.56	9.8	0.4	37.5	1.5	17	2.9	0.4	0.6	13	0.78
1963660	Rock Pulp	0.10	496.2	3215	9.8	64	2.1	22.8	17.7	659	4.51	44.5	0.5	308.5	1.2	131	1.4	5.2	0.3	85	4.04
REP 1963660	QC																				
1963664	Drill Core	4.21	2.1	27.2	2.0	39	<0.1	2.1	3.9	611	1.99	4.0	1.2	10.1	5.4	160	<0.1	1.1	<0.1	33	1.56
REP 1963664	QC		2.1	28.1	1.9	41	<0.1	2.2	4.0	593	2.01	4.1	1.2	4.0	5.3	164	<0.1	1.1	<0.1	34	1.58
1963675	Rock Pulp	0.09	64.9	7252	11.3	59	2.6	26.8	9.4	370	2.95	10.0	0.2	516.1	0.8	32	0.6	5.2	0.6	50	0.66
REP 1963675	QC		65.5	7079	11.3	61	2.7	28.3	9.6	375	2.95	9.8	0.3	540.9	0.8	32	0.5	5.3	0.7	51	0.68
1963695	Drill Core	5.00	1.6	113.1	3.5	69	0.1	5.9	10.3	1071	2.92	9.1	0.5	2.6	2.1	143	<0.1	2.5	<0.1	59	2.60
REP 1963695	QC		1.7	111.5	3.5	68	0.1	5.9	10.1	1068	2.80	9.2	0.5	1.3	2.0	141	<0.1	2.4	<0.1	58	2.52
Core Reject Duplicates																					
1963531	Drill Core	5.34	19.0	2379	4.5	109	1.6	9.3	40.0	894	6.89	15.8	0.4	118.7	1.2	165	0.5	1.1	0.2	127	2.20



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
Pulp Duplicates																					
1963533	Drill Core	0.140	4	8	2.38	71	0.149	2	2.00	0.073	0.57	0.2	<0.01	8.9	0.1	2.55	10	6.2	0.3		
REP 1963533	QC	0.140	5	8	2.34	78	0.163	3	1.98	0.077	0.58	0.2	<0.01	9.2	0.1	2.61	10	4.6	0.2		
1963559	Drill Core	0.146	10	8	1.46	116	0.032	1	1.46	0.068	0.22	0.1	0.04	8.3	<0.1	1.19	8	2.1	0.3		
REP 1963559	QC	0.149	10	8	1.46	102	0.031	2	1.46	0.068	0.22	<0.1	0.02	7.5	<0.1	1.18	8	1.3	0.3		
1963561	Drill Core	0.160	9	3	1.62	68	0.007	7	0.96	0.104	0.44	<0.1	0.07	10.5	<0.1	1.91	4	3.7	0.4	0.148	0.212
REP 1963561	QC																				0.219
1963568	Drill Core	0.124	11	2	0.74	403	0.006	4	1.11	0.072	0.34	0.1	<0.01	2.5	<0.1	0.38	4	<0.5	<0.2		
REP 1963568	QC	0.120	12	2	0.74	431	0.007	5	1.13	0.072	0.35	0.2	<0.01	2.6	<0.1	0.38	4	<0.5	<0.2		
1963594	Drill Core	0.206	8	12	2.01	128	0.095	5	2.50	0.194	0.66	0.3	0.02	13.6	0.2	0.98	10	<0.5	<0.2		
REP 1963594	QC	0.201	8	12	2.00	123	0.093	3	2.45	0.186	0.65	0.3	<0.01	13.2	0.2	0.97	10	<0.5	<0.2		
1963603	Drill Core	0.192	3	8	1.40	107	0.064	2	1.38	0.166	0.20	0.3	<0.01	4.6	<0.1	0.28	7	<0.5	<0.2		
REP 1963603	QC	0.192	3	9	1.38	102	0.065	3	1.35	0.166	0.19	0.3	<0.01	4.7	<0.1	0.28	7	<0.5	<0.2		
1963615	Rock Pulp	0.051	3	38	0.66	81	0.087	2	1.33	0.083	0.13	2.4	0.07	3.8	<0.1	0.69	4	1.8	0.3	0.624	0.731
REP 1963615	QC																				0.697
1963629	Drill Core	0.123	6	4	1.46	36	0.045	2	1.67	0.065	0.79	<0.1	0.03	3.6	0.4	7.60	5	6.5	2.1		
REP 1963629	QC	0.121	6	4	1.42	32	0.042	3	1.61	0.064	0.77	<0.1	0.03	3.3	0.4	7.39	5	6.7	2.2		
1963638	Drill Core	0.153	8	2	0.21	15	0.002	1	0.65	0.027	0.41	0.1	0.04	1.2	0.2	5.01	1	4.2	0.5		
REP 1963638	QC	0.153	8	2	0.21	14	0.002	2	0.65	0.028	0.41	0.2	0.02	1.4	0.1	4.81	1	4.3	0.7		
1963660	Rock Pulp	0.122	8	24	1.26	47	0.006	6	1.40	0.085	0.21	3.4	0.24	7.8	<0.1	1.70	5	6.1	<0.2	0.313	0.317
REP 1963660	QC																				0.315
1963664	Drill Core	0.073	14	3	0.60	467	0.004	6	0.92	0.070	0.15	0.1	<0.01	3.0	<0.1	0.10	5	<0.5	<0.2		
REP 1963664	QC	0.070	14	3	0.61	457	0.004	5	0.92	0.069	0.15	<0.1	<0.01	2.9	<0.1	0.11	5	<0.5	<0.2		
1963675	Rock Pulp	0.047	3	40	0.67	76	0.090	3	1.34	0.080	0.13	2.1	0.06	3.8	<0.1	0.72	4	2.0	0.2	0.674	0.724
REP 1963675	QC	0.049	3	42	0.68	77	0.095	2	1.37	0.081	0.13	2.0	0.07	3.7	<0.1	0.72	4	2.2	0.2		0.729
1963695	Drill Core	0.138	8	4	1.22	317	0.007	4	1.71	0.092	0.17	<0.1	<0.01	4.1	<0.1	0.07	7	<0.5	<0.2		
REP 1963695	QC	0.129	8	4	1.19	313	0.006	4	1.62	0.088	0.16	<0.1	<0.01	3.9	<0.1	0.07	6	<0.5	<0.2		
Core Reject Duplicates																					
1963531	Drill Core	0.134	7	8	1.74	51	0.082	1	1.73	0.064	0.55	0.1	0.02	7.7	0.1	4.07	9	10.4	0.5	0.129	0.246



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		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
DUP 1963531	QC	<0.01	18.1	2540	4.5	108	1.6	8.7	41.9	915	7.04	16.4	0.4	137.9	1.1	182	0.4	1.2	0.3	133	2.37
1963565	Drill Core	6.26	35.1	1558	5.6	87	1.0	7.7	31.4	861	7.56	11.3	0.8	100.8	1.2	295	0.2	0.2	0.3	159	4.78
DUP 1963565	QC	<0.01	33.8	1572	5.4	86	1.1	8.0	30.7	881	7.57	11.6	0.8	101.2	1.2	283	0.3	0.3	0.3	156	4.75
1963599	Drill Core	5.04	3.4	136.1	3.6	89	0.1	6.6	12.6	2012	3.92	37.1	0.2	5.8	0.9	89	0.2	1.1	<0.1	132	2.29
DUP 1963599	QC	<0.01	3.4	137.8	3.8	95	0.1	6.7	14.4	2177	4.08	37.7	0.2	2.4	0.9	93	0.3	1.2	0.1	139	2.51
1963633	Drill Core	5.11	8.6	590.8	13.3	45	0.6	3.4	18.2	597	4.55	14.9	0.3	91.2	1.3	54	<0.1	0.7	0.7	32	2.34
DUP 1963633	QC	<0.01	8.2	555.3	13.9	42	0.6	3.8	18.1	587	4.48	13.4	0.4	77.3	1.3	52	<0.1	0.7	0.7	32	2.32
1963667	Drill Core	4.99	4.7	126.4	2.5	39	<0.1	2.4	6.1	551	2.08	4.1	1.4	7.4	5.6	83	<0.1	0.9	<0.1	33	1.16
DUP 1963667	QC	<0.01	4.1	118.3	2.3	38	<0.1	2.3	5.6	528	1.98	3.9	1.3	4.1	5.4	77	<0.1	0.9	<0.1	30	1.09
Reference Materials																					
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD DS9	Standard		12.3	114.2	122.2	316	1.7	40.6	7.6	581	2.32	25.5	2.8	110.2	6.5	69	2.4	6.1	6.5	38	0.71
STD DS9	Standard		12.3	101.2	129.1	301	1.9	37.1	6.9	573	2.20	25.1	2.8	116.0	6.3	72	2.7	6.3	6.4	36	0.69
STD DS9	Standard		11.5	108.5	123.2	318	1.8	39.6	7.4	598	2.35	26.5	2.9	125.2	6.0	76	2.5	6.1	6.4	39	0.73
STD DS9	Standard		13.3	115.1	117.3	306	1.7	41.8	7.5	552	2.33	23.8	2.7	106.3	6.1	66	2.1	5.3	5.6	39	0.71
STD DS9	Standard		13.6	105.8	128.7	312	2.0	42.9	6.9	580	2.35	26.4	3.2	137.3	7.7	77	2.5	5.9	7.0	39	0.73
STD OXG99	Standard																				
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STD OXG99	Standard																				
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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001
DUP 1963531	QC	0.143	7	8	1.74	51	0.083	2	1.79	0.070	0.56	0.2	0.03	7.9	0.1	4.22	9	9.9	0.9	0.138	0.255
1963565	Drill Core	0.144	16	15	1.58	22	0.004	3	1.44	0.067	0.24	<0.1	0.04	13.5	<0.1	5.57	6	7.4	0.5	0.110	
DUP 1963565	QC	0.145	16	14	1.59	23	0.003	5	1.42	0.064	0.23	0.1	0.02	13.3	<0.1	5.53	6	7.4	0.4	0.112	
1963599	Drill Core	0.196	4	9	1.71	51	0.067	2	1.50	0.164	0.12	0.4	<0.01	7.0	<0.1	0.28	7	<0.5	<0.2		
DUP 1963599	QC	0.199	4	10	1.80	60	0.080	3	1.55	0.182	0.13	0.4	<0.01	7.5	<0.1	0.31	8	<0.5	<0.2		
1963633	Drill Core	0.150	10	1	0.48	21	0.004	5	1.03	0.105	0.40	0.1	0.02	3.0	0.2	3.78	3	4.1	0.8		
DUP 1963633	QC	0.154	11	1	0.47	19	0.004	3	0.99	0.102	0.38	0.1	0.02	2.9	0.2	3.80	3	3.2	0.8		
1963667	Drill Core	0.072	13	4	0.70	246	0.006	2	1.04	0.077	0.15	<0.1	<0.01	2.1	<0.1	0.06	5	<0.5	<0.2		
DUP 1963667	QC	0.071	12	4	0.68	226	0.005	2	0.97	0.068	0.13	<0.1	<0.01	2.0	<0.1	0.05	5	<0.5	<0.2		
Reference Materials																					
STD CDN-ME-9A	Standard																				0.671
STD CDN-ME-14A	Standard																				1.287
STD CDN-ME-9A	Standard																				0.655
STD CDN-ME-14A	Standard																				1.276
STD CDN-ME-9A	Standard																				0.646
STD CDN-ME-14A	Standard																				1.250
STD CDN-ME-9A	Standard																				0.662
STD CDN-ME-14A	Standard																				1.264
STD CDN-ME-14A	Standard																				1.201
STD CDN-ME-9A	Standard																				0.632
STD DS9	Standard	0.081	12	114	0.62	298	0.110	3	0.95	0.088	0.41	2.9	0.21	2.6	5.2	0.16	5	5.8	5.8		
STD DS9	Standard	0.074	13	115	0.59	303	0.105	3	0.92	0.083	0.38	3.1	0.19	2.4	5.6	0.15	4	4.9	4.8		
STD DS9	Standard	0.078	14	117	0.62	307	0.111	1	0.96	0.086	0.40	3.0	0.23	2.6	5.3	0.16	5	4.8	4.9		
STD DS9	Standard	0.078	11	127	0.62	271	0.110	2	0.93	0.082	0.39	2.5	0.19	2.2	4.9	0.16	4	5.2	4.8		
STD DS9	Standard	0.080	14	118	0.62	335	0.106	4	0.95	0.087	0.40	3.4	0.24	2.2	6.3	0.16	5	5.2	5.7		
STD OXG99	Standard																				0.933
STD OXG99	Standard																				0.945
STD OXG99	Standard																				0.963
STD OXG99	Standard																				0.955

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		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
STD OXG99	Standard																					
STD OXK94	Standard																					
STD OXK94	Standard																					
STD OXK94	Standard																					
STD OXK94	Standard																					
STD OXK94	Standard																					
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	
STD OXK94 Expected																						
STD OXG99 Expected																						
STD CDN-ME-14A Expected																						
STD CDN-ME-9A Expected																						
BLK	Blank		<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
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BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 175
 Report Date: September 27, 2012

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QUALITY CONTROL REPORT

SMI12000327.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu		
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%		
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001		
STD OXG99	Standard																				0.950		
STD OXK94	Standard																					3.604	
STD OXK94	Standard																					3.673	
STD OXK94	Standard																					3.625	
STD OXK94	Standard																					3.701	
STD OXK94	Standard																					3.675	
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02				
STD OXK94 Expected																						3.562	
STD OXG99 Expected																						0.932	
STD CDN-ME-14A Expected																							1.221
STD CDN-ME-9A Expected																							0.654
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2				
BLK	Blank																					<0.005	
BLK	Blank																					<0.005	
BLK	Blank																					<0.001	
BLK	Blank																					<0.001	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2				
BLK	Blank																					<0.005	
BLK	Blank																					<0.005	
BLK	Blank																					<0.005	
BLK	Blank																					<0.005	
BLK	Blank																					<0.005	
BLK	Blank																					<0.005	
BLK	Blank																					<0.001	
BLK	Blank																					<0.005	
BLK	Blank																					<0.005	

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QUALITY CONTROL REPORT

SMI12000327.1

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1	Prep Blank	<0.01	0.4	4.9	2.6	46	<0.1	3.0	3.8	571	1.90	<0.5	1.5	2.1	4.8	55	<0.1	<0.1	0.2	35	0.47	
G1	Prep Blank	<0.01	<0.1	2.8	2.7	45	<0.1	2.3	3.6	568	1.90	<0.5	1.5	0.9	4.9	61	<0.1	<0.1	<0.1	34	0.46	



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QUALITY CONTROL REPORT

SMI12000327.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
BLK	Blank																				<0.001	
BLK	Blank																					<0.001
Prep Wash																						
G1	Prep Blank	0.073	12	8	0.51	165	0.103	1	0.89	0.081	0.48	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2			
G1	Prep Blank	0.074	12	8	0.49	152	0.103	3	0.91	0.096	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2			



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Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: September 06, 2012
Report Date: October 05, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

SMI12000334.1

CLIENT JOB INFORMATION

Project: 176
Shipment ID: 2012 - 10
P.O. Number
Number of Samples: 121

SAMPLE DISPOSAL

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

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

Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 1DX2, 7AR, and G601.

ADDITIONAL COMMENTS



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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Project: 176
 Report Date: October 05, 2012

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CERTIFICATE OF ANALYSIS

SMI12000334.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1-SMI	Prep Blank	<0.01	<0.1	3.9	2.7	45	<0.1	3.9	4.3	567	1.88	1.5	1.6	<0.5	5.0	55	<0.1	<0.1	0.1	37	0.48
G1-SMI	Prep Blank	<0.01	<0.1	3.5	2.6	45	<0.1	2.6	3.9	575	1.94	1.2	1.7	<0.5	5.4	56	<0.1	<0.1	<0.1	40	0.47
1963815	Drill Core	6.31	0.7	71.2	31.9	95	0.1	0.7	5.5	1274	2.13	2.0	1.1	<0.5	4.8	254	0.3	0.1	0.4	47	2.46
1963816	Drill Core	6.01	0.9	83.4	26.9	104	0.1	1.1	6.9	1289	2.49	2.4	1.0	1.5	4.5	228	0.3	0.2	0.3	74	1.92
1963817	Drill Core	5.59	2.1	92.9	51.6	96	0.2	1.0	6.2	1146	2.33	3.3	1.4	1.2	2.8	184	0.2	0.3	0.6	51	1.98
1963818	Drill Core	4.11	35.7	94.5	58.9	85	0.2	1.3	4.9	820	1.85	5.0	3.4	1.5	4.2	133	0.3	0.3	0.8	31	1.08
1963819	Drill Core	7.99	2.5	114.9	46.8	73	0.2	1.6	5.6	573	1.58	4.0	0.8	2.3	3.5	83	0.3	0.4	0.7	46	0.86
1963820	Drill Core	6.51	13.0	112.3	52.8	86	0.2	2.3	7.0	728	2.62	10.8	1.0	3.0	2.8	87	0.5	0.4	0.6	46	1.10
1963821	Drill Core	6.74	25.2	88.0	29.7	67	0.2	3.5	10.6	416	2.31	34.5	5.9	15.1	2.7	84	0.2	0.7	0.3	30	0.48
1963822	Drill Core	6.62	4.4	121.5	10.2	25	0.3	3.7	9.0	602	3.20	30.4	1.7	41.6	3.4	146	<0.1	1.3	0.2	45	0.43
1963823	Drill Core	7.04	1.0	31.2	4.3	18	<0.1	2.5	5.3	506	2.27	5.0	0.5	19.8	2.9	80	<0.1	1.1	0.1	46	0.50
1963824	Drill Core	6.63	0.8	59.2	2.6	18	<0.1	2.6	5.5	422	2.31	2.9	0.4	13.0	2.4	100	<0.1	1.1	<0.1	41	0.56
1963825	Drill Core	3.27	0.9	54.9	2.3	24	0.1	3.0	8.5	527	2.07	3.1	0.4	15.4	2.7	58	<0.1	1.5	0.2	37	0.44
1963826	Drill Core	3.93	0.6	41.6	2.8	20	0.1	2.4	6.3	391	2.35	4.0	0.4	8.5	2.5	79	<0.1	1.7	<0.1	51	0.71
1963827	Drill Core	6.52	0.8	105.0	2.5	18	0.2	2.0	6.0	279	2.37	5.8	0.5	65.6	2.3	80	<0.1	1.3	<0.1	42	0.30
1963828	Drill Core	6.76	1.3	66.8	3.5	13	0.4	1.5	3.6	172	2.89	5.9	0.6	72.4	2.9	98	<0.1	1.6	<0.1	40	0.48
1963829	Drill Core	6.36	1.0	63.2	4.1	12	2.2	1.3	3.5	253	2.24	4.4	0.5	1919	2.8	104	<0.1	1.1	<0.1	41	0.66
1963830	Drill Core	6.96	0.8	15.8	3.3	15	0.5	1.7	5.0	493	2.12	4.7	0.6	22.7	3.2	89	<0.1	1.2	<0.1	40	0.61
1963831	Drill Core	6.79	0.6	28.9	3.7	13	0.2	1.4	5.1	742	2.22	7.4	0.6	29.2	3.2	86	<0.1	1.4	<0.1	44	0.66
1963832	Drill Core	6.21	0.7	36.2	3.2	14	0.1	1.8	4.8	743	2.26	4.0	0.6	8.6	3.6	91	0.1	1.0	<0.1	45	0.83
1963833	Drill Core	6.31	0.7	39.9	2.9	15	<0.1	1.5	4.5	741	2.05	3.8	0.5	17.0	3.0	127	<0.1	1.1	<0.1	35	0.82
1963834	Drill Core	5.66	0.7	47.1	3.2	18	0.1	1.7	6.6	704	2.20	5.8	0.4	3.2	2.7	152	<0.1	1.2	<0.1	43	1.09
1963835	Drill Core	6.76	0.4	98.8	2.7	17	0.2	1.7	6.1	1119	1.73	10.5	0.5	8.0	3.8	96	<0.1	0.5	<0.1	50	1.19
1963836	Drill Core	6.66	0.5	115.6	2.9	15	0.1	1.9	5.4	316	2.25	8.1	0.5	13.2	3.1	92	<0.1	0.7	<0.1	45	0.77
1963837	Drill Core	6.94	0.8	113.1	3.4	15	0.1	1.9	6.0	282	2.69	5.1	0.5	19.7	3.1	107	<0.1	1.0	<0.1	42	0.85
1963838	Drill Core	5.95	0.8	146.6	3.3	13	0.1	1.3	4.4	228	2.64	4.3	0.6	12.0	4.0	85	<0.1	1.3	<0.1	43	0.95
1963839	Drill Core	6.57	0.8	261.7	3.1	13	0.2	1.9	4.6	251	2.48	3.9	2.3	42.9	4.0	92	<0.1	1.1	<0.1	51	1.06
1963840	Rock Pulp	0.10	225.6	4420	3.6	45	0.6	32.2	10.4	436	3.26	5.3	0.3	485.0	0.8	36	<0.1	0.7	<0.1	61	0.81
1963841	Drill Core	6.85	2.3	309.4	2.6	13	0.2	1.5	4.8	299	2.26	3.6	1.3	4.3	3.8	84	<0.1	0.9	<0.1	43	1.14
1963842	Drill Core	5.38	5.9	119.0	2.6	25	0.1	2.1	8.2	1043	2.34	1.7	2.4	2.9	4.2	106	<0.1	0.3	<0.1	29	2.42



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Project: 176
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CERTIFICATE OF ANALYSIS

SMI12000334.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 Te	7AR Cu	G6 Au
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
				0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
G1-SMI	Prep Blank			0.074	12	8	0.53	167	0.115	<1	0.87	0.074	0.47	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2		
G1-SMI	Prep Blank			0.078	12	7	0.51	159	0.118	1	0.89	0.077	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2		
1963815	Drill Core			0.033	18	2	0.22	314	0.009	4	0.57	0.107	0.37	<0.1	<0.01	2.3	<0.1	0.30	3	<0.5	<0.2		
1963816	Drill Core			0.044	18	1	0.27	247	0.009	4	0.67	0.108	0.37	<0.1	0.02	3.1	<0.1	0.52	4	<0.5	<0.2		
1963817	Drill Core			0.023	8	<1	0.25	100	0.001	2	0.37	0.094	0.21	<0.1	0.01	2.2	<0.1	1.17	2	<0.5	<0.2		
1963818	Drill Core			0.023	10	<1	0.16	121	<0.001	3	0.39	0.096	0.22	<0.1	0.02	2.0	0.2	1.11	2	<0.5	<0.2		
1963819	Drill Core			0.038	7	1	0.23	168	0.001	2	0.35	0.077	0.19	<0.1	0.03	3.0	<0.1	0.57	2	<0.5	<0.2		
1963820	Drill Core			0.053	6	2	0.27	57	0.001	2	0.38	0.088	0.18	0.1	0.06	3.7	0.1	2.13	1	<0.5	<0.2		
1963821	Drill Core			0.031	6	2	0.16	69	0.001	3	0.44	0.066	0.19	0.5	0.35	3.9	0.2	1.70	1	<0.5	<0.2		
1963822	Drill Core			0.029	5	4	0.18	165	0.009	4	0.46	0.081	0.23	9.6	0.15	5.1	<0.1	0.28	1	<0.5	0.3		
1963823	Drill Core			0.020	4	4	0.15	356	0.009	4	0.39	0.080	0.23	2.5	0.01	4.8	<0.1	<0.05	1	<0.5	<0.2		
1963824	Drill Core			0.019	4	4	0.18	327	0.007	4	0.38	0.086	0.26	2.2	0.02	5.5	<0.1	<0.05	<1	<0.5	<0.2		
1963825	Drill Core			0.020	5	4	0.19	39	0.007	5	0.36	0.080	0.24	1.5	0.02	4.2	<0.1	<0.05	<1	<0.5	<0.2		
1963826	Drill Core			0.033	5	4	0.24	41	0.007	5	0.43	0.087	0.23	1.3	0.02	4.7	<0.1	<0.05	1	<0.5	<0.2		
1963827	Drill Core			0.054	5	4	0.11	116	0.008	4	0.38	0.090	0.24	1.0	0.22	4.8	<0.1	<0.05	<1	<0.5	<0.2		
1963828	Drill Core			0.090	7	3	0.08	100	0.015	6	0.41	0.087	0.30	1.5	0.04	3.5	<0.1	<0.05	1	<0.5	0.3		
1963829	Drill Core			0.090	6	4	0.09	263	0.009	6	0.35	0.092	0.23	1.0	0.19	4.0	<0.1	<0.05	<1	<0.5	4.7		1.783
1963830	Drill Core			0.110	8	4	0.11	355	0.009	5	0.41	0.091	0.25	0.8	0.08	5.2	<0.1	<0.05	1	<0.5	<0.2		
1963831	Drill Core			0.107	7	4	0.12	420	0.008	5	0.41	0.107	0.24	0.9	0.07	5.2	<0.1	<0.05	1	<0.5	<0.2		
1963832	Drill Core			0.106	8	3	0.15	457	0.013	6	0.39	0.095	0.25	0.9	0.02	5.5	<0.1	<0.05	1	<0.5	<0.2		
1963833	Drill Core			0.092	8	3	0.19	419	0.011	5	0.36	0.083	0.24	0.8	0.02	4.3	<0.1	<0.05	1	<0.5	<0.2		
1963834	Drill Core			0.088	6	3	0.28	347	0.009	6	0.41	0.094	0.24	0.5	0.06	5.3	<0.1	<0.05	1	<0.5	<0.2		
1963835	Drill Core			0.086	8	5	0.37	156	0.004	3	0.33	0.099	0.21	0.3	0.04	5.4	<0.1	<0.05	1	<0.5	<0.2		
1963836	Drill Core			0.098	7	4	0.22	485	0.007	5	0.37	0.099	0.23	0.5	0.05	5.5	<0.1	<0.05	1	<0.5	<0.2		
1963837	Drill Core			0.088	9	4	0.24	899	0.010	4	0.34	0.095	0.21	1.2	0.05	5.7	<0.1	<0.05	<1	<0.5	<0.2		
1963838	Drill Core			0.089	10	3	0.25	547	0.011	4	0.32	0.094	0.21	1.1	0.03	5.7	<0.1	<0.05	<1	<0.5	<0.2		
1963839	Drill Core			0.089	11	4	0.23	362	0.008	5	0.36	0.105	0.22	0.6	0.12	6.0	<0.1	<0.05	1	<0.5	<0.2		
1963840	Rock Pulp			0.053	4	33	0.77	96	0.121	4	1.60	0.097	0.14	0.3	0.03	4.5	<0.1	0.61	5	0.8	<0.2	0.491	0.525
1963841	Drill Core			0.082	9	3	0.25	326	0.006	2	0.32	0.105	0.21	0.5	0.03	4.9	<0.1	<0.05	<1	<0.5	<0.2		
1963842	Drill Core			0.074	11	3	0.78	338	0.001	2	0.31	0.078	0.23	0.1	0.04	4.7	<0.1	<0.05	<1	<0.5	<0.2		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

SMI12000334.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963843	Drill Core	5.26	1.3	74.7	2.4	22	<0.1	3.3	7.7	350	2.34	1.8	0.6	<0.5	3.7	117	<0.1	0.2	<0.1	54	1.12
1963844	Drill Core	5.93	4.1	293.9	2.4	24	0.3	3.5	7.6	352	2.48	1.5	0.6	5.7	4.5	84	<0.1	0.3	<0.1	54	0.80
1963845	Drill Core	5.43	13.3	158.6	2.6	25	0.1	3.1	8.4	725	2.60	1.5	1.1	7.9	4.1	97	<0.1	0.3	<0.1	47	1.91
1963846	Drill Core	5.34	13.5	178.1	3.0	28	0.2	2.5	8.7	931	2.58	1.3	1.9	36.5	3.2	94	<0.1	0.2	<0.1	39	2.48
1963847	Drill Core	5.34	8.3	102.8	2.4	23	<0.1	2.9	8.4	691	2.52	0.9	0.5	2.5	3.7	98	<0.1	0.2	<0.1	53	1.93
1963848	Drill Core	6.12	10.6	281.2	3.3	32	0.2	3.0	9.0	766	2.83	1.6	0.5	14.9	3.6	91	0.2	0.5	<0.1	51	1.52
1963849	Drill Core	6.44	12.3	160.4	3.8	27	0.3	2.3	8.5	911	2.68	2.5	1.1	32.2	3.0	115	0.2	0.8	0.2	42	2.44
1963850	Drill Core	6.82	1.3	62.7	4.0	26	0.2	2.7	7.6	503	2.49	2.5	0.8	15.8	2.7	104	0.1	0.8	0.1	46	1.66
1963851	Drill Core	4.36	0.7	103.0	2.9	24	<0.1	2.3	6.8	691	2.64	1.5	0.7	4.6	3.4	99	<0.1	0.4	0.1	52	1.96
1963852	Drill Core	4.22	5.2	178.6	2.4	22	0.1	2.6	6.8	557	2.44	1.5	0.4	16.2	3.6	161	<0.1	0.4	<0.1	45	1.40
1963853	Drill Core	4.60	2.0	109.7	2.9	22	<0.1	2.0	6.5	775	2.20	0.9	0.5	6.5	4.0	119	<0.1	0.2	<0.1	35	2.23
1963854	Drill Core	4.68	0.9	85.1	2.6	20	<0.1	1.8	6.4	887	2.26	1.6	0.6	4.2	4.0	91	<0.1	0.4	<0.1	35	2.51
1963855	Rock Pulp	0.10	65.3	6979	12.0	62	2.9	25.7	9.1	390	3.01	10.3	0.3	553.4	0.9	34	0.7	6.3	0.8	52	0.74
1963856	Drill Core	4.57	1.9	73.0	3.0	23	<0.1	2.1	7.6	779	2.26	1.5	0.5	5.6	3.4	99	<0.1	0.3	<0.1	36	2.12
1963857	Drill Core	4.53	1.0	53.6	2.7	22	<0.1	2.2	6.5	703	2.37	1.2	0.5	4.3	3.5	88	<0.1	0.3	<0.1	41	1.89
1963858	Drill Core	4.35	3.1	48.5	2.7	18	<0.1	2.0	6.3	524	2.15	1.3	0.6	4.9	3.4	95	<0.1	0.2	<0.1	36	1.42
1963859	Drill Core	4.74	7.4	88.1	2.3	24	<0.1	2.8	7.1	820	2.50	1.7	0.6	19.3	3.4	97	<0.1	0.2	<0.1	35	2.05
1963860	Drill Core	4.76	14.7	162.9	3.2	48	0.2	9.1	10.0	1004	2.86	4.2	0.8	16.1	3.0	109	0.1	0.7	0.1	36	2.01
1963861	Drill Core	4.60	5.5	55.0	5.0	39	0.2	3.2	11.9	1421	2.49	10.9	1.3	19.0	3.8	178	<0.1	0.7	0.2	18	3.42
1963862	Drill Core	5.00	4.7	58.8	6.2	63	0.1	4.7	9.0	1761	2.82	17.2	1.8	74.3	2.9	229	0.1	0.7	<0.1	26	4.17
1963863	Drill Core	4.74	1.2	62.7	7.9	42	0.2	8.3	7.8	1182	3.43	6.9	0.9	60.7	2.9	156	0.1	1.1	0.1	67	1.80
1963864	Drill Core	4.38	1.0	67.3	3.4	50	0.5	22.2	11.0	595	3.99	5.6	0.8	69.5	2.8	90	<0.1	0.7	<0.1	76	1.11
1963865	Drill Core	5.26	1.8	119.5	6.2	26	<0.1	5.5	12.5	734	2.59	4.6	0.8	22.0	4.3	156	0.4	0.3	0.2	41	1.83
1963866	Drill Core	1.90	1.2	23.0	4.5	31	<0.1	4.3	4.5	570	1.50	1.8	1.9	7.2	5.4	158	<0.1	0.2	<0.1	23	1.72
1963867	Drill Core	5.69	2.2	111.8	4.0	35	<0.1	8.2	15.7	840	3.77	4.8	0.7	63.2	2.6	109	0.2	0.3	<0.1	94	1.57
1963868	Drill Core	3.55	0.3	59.5	2.0	54	<0.1	5.5	20.1	1317	4.52	6.8	0.5	13.3	1.7	148	0.1	0.4	0.1	156	2.59
1963869	Drill Core	5.00	1.3	146.8	2.2	54	<0.1	6.0	28.8	1209	4.91	12.8	0.7	21.9	1.8	183	<0.1	1.0	0.2	153	2.19
1963870	Rock	1.04	<0.1	0.8	<0.1	<1	<0.1	<0.1	0.1	35	<0.01	<0.5	1.1	<0.5	<0.1	3905	<0.1	<0.1	<0.1	<2	32.82
1963871	Drill Core	4.20	0.8	134.4	2.6	73	<0.1	30.2	21.7	1474	4.88	9.2	0.7	29.5	1.9	132	0.2	0.6	0.1	150	2.86
1963872	Drill Core	4.54	2.1	18.5	1.5	27	<0.1	4.6	4.7	490	2.99	2.3	1.2	4.1	5.4	65	<0.1	0.2	<0.1	56	0.77

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
1963843	Drill Core	0.084	10	4	0.57	359	0.002	3	0.34	0.096	0.18	<0.1	0.03	4.3	<0.1	<0.05	1	<0.5	<0.2		
1963844	Drill Core	0.088	12	4	0.56	259	0.002	3	0.36	0.093	0.19	<0.1	0.02	5.3	<0.1	<0.05	2	<0.5	<0.2		
1963845	Drill Core	0.085	11	3	0.76	306	0.002	2	0.32	0.086	0.21	0.1	0.02	5.9	<0.1	<0.05	1	<0.5	<0.2		
1963846	Drill Core	0.076	9	3	0.95	784	0.001	3	0.34	0.082	0.23	0.1	0.02	5.7	<0.1	0.06	1	<0.5	<0.2		
1963847	Drill Core	0.080	8	3	0.71	354	0.002	2	0.35	0.088	0.20	0.1	0.01	5.9	<0.1	<0.05	1	<0.5	<0.2		
1963848	Drill Core	0.088	9	4	0.59	549	0.002	3	0.35	0.087	0.18	0.1	0.01	7.2	<0.1	<0.05	1	<0.5	<0.2		
1963849	Drill Core	0.079	7	3	0.78	460	0.001	3	0.33	0.096	0.20	0.2	0.03	6.6	<0.1	0.32	1	<0.5	0.2		
1963850	Drill Core	0.097	7	3	0.55	435	0.002	3	0.42	0.104	0.23	0.2	0.02	6.3	<0.1	0.28	1	<0.5	<0.2		
1963851	Drill Core	0.106	10	3	0.67	601	0.002	4	0.37	0.081	0.21	<0.1	<0.01	6.4	0.1	<0.05	1	<0.5	<0.2		
1963852	Drill Core	0.074	6	3	0.50	585	0.001	3	0.40	0.096	0.21	0.1	0.01	5.1	<0.1	<0.05	1	<0.5	<0.2		
1963853	Drill Core	0.065	5	3	0.69	966	0.001	2	0.33	0.088	0.20	<0.1	<0.01	5.1	<0.1	<0.05	<1	<0.5	<0.2		
1963854	Drill Core	0.081	8	3	0.79	507	0.001	4	0.33	0.096	0.23	0.3	<0.01	5.3	<0.1	<0.05	<1	<0.5	<0.2		
1963855	Rock Pulp	0.058	3	38	0.69	84	0.100	3	1.45	0.090	0.14	2.4	0.07	4.2	<0.1	0.75	5	2.2	0.3	0.714	0.631
1963856	Drill Core	0.086	7	3	0.70	389	0.001	2	0.33	0.101	0.23	0.2	<0.01	5.1	<0.1	<0.05	<1	<0.5	<0.2		
1963857	Drill Core	0.093	9	3	0.64	249	0.001	3	0.37	0.088	0.23	0.2	<0.01	5.8	<0.1	<0.05	1	<0.5	<0.2		
1963858	Drill Core	0.088	8	3	0.49	486	0.001	3	0.36	0.111	0.24	0.1	<0.01	4.6	<0.1	0.06	<1	<0.5	<0.2		
1963859	Drill Core	0.087	8	3	0.79	570	0.001	3	0.33	0.087	0.24	0.2	<0.01	4.8	<0.1	0.06	1	<0.5	<0.2		
1963860	Drill Core	0.096	7	11	0.88	514	0.001	2	0.41	0.104	0.26	0.2	<0.01	6.5	<0.1	0.09	1	<0.5	<0.2		
1963861	Drill Core	0.081	7	2	0.93	456	<0.001	3	0.33	0.101	0.27	<0.1	0.03	4.0	<0.1	0.31	<1	<0.5	<0.2		
1963862	Drill Core	0.074	6	3	1.16	644	<0.001	2	0.33	0.109	0.23	<0.1	0.02	4.6	<0.1	0.16	1	<0.5	<0.2		
1963863	Drill Core	0.095	8	9	0.58	573	0.013	5	0.74	0.140	0.36	1.2	0.02	3.3	<0.1	0.06	3	<0.5	<0.2		
1963864	Drill Core	0.155	11	22	1.17	261	0.013	4	1.40	0.108	0.27	0.6	0.23	4.7	<0.1	0.20	6	<0.5	0.6		
1963865	Drill Core	0.086	11	5	0.72	131	0.003	3	0.88	0.093	0.19	0.1	0.07	3.0	<0.1	0.99	4	1.6	<0.2		
1963866	Drill Core	0.086	25	4	0.48	570	0.005	5	0.75	0.200	0.30	<0.1	<0.01	2.1	<0.1	0.09	3	<0.5	<0.2		
1963867	Drill Core	0.129	10	8	1.42	111	0.008	2	1.40	0.085	0.12	<0.1	0.03	6.5	<0.1	1.06	7	0.6	<0.2		
1963868	Drill Core	0.190	11	4	2.51	156	0.021	3	2.01	0.166	0.11	<0.1	0.02	14.9	<0.1	0.76	9	<0.5	<0.2		
1963869	Drill Core	0.178	12	4	2.11	123	0.010	3	1.45	0.208	0.14	<0.1	0.02	15.5	<0.1	1.34	7	<0.5	0.3		
1963870	Rock	0.004	<1	<1	1.65	4	<0.001	<1	0.02	0.003	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	0.3		
1963871	Drill Core	0.159	11	85	2.25	120	0.017	3	1.94	0.182	0.12	<0.1	0.01	16.8	<0.1	0.89	8	0.5	0.2		
1963872	Drill Core	0.098	14	5	0.97	262	0.003	2	0.99	0.070	0.15	<0.1	<0.01	3.6	<0.1	0.17	5	<0.5	<0.2		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963873	Drill Core	4.65	1.9	25.1	2.0	23	<0.1	4.1	8.2	433	2.95	1.7	1.2	2.1	5.1	56	<0.1	0.2	<0.1	62	0.67
1963874	Drill Core	3.89	2.0	24.9	2.6	24	<0.1	4.6	9.2	460	2.95	4.4	1.0	4.0	5.0	98	<0.1	0.3	0.1	56	1.14
1963875	Drill Core	2.52	2.2	17.4	1.9	22	<0.1	3.9	6.5	762	2.88	2.7	0.9	2.2	3.8	124	<0.1	0.3	<0.1	54	2.25
1963876	Drill Core	3.63	1.1	307.8	2.6	41	0.1	5.8	27.6	1133	5.01	12.0	0.2	15.4	0.7	136	<0.1	0.6	<0.1	136	3.23
1963877	Drill Core	3.87	1.2	147.3	1.6	39	<0.1	3.9	18.5	967	4.52	5.4	0.2	4.7	0.6	125	<0.1	0.3	<0.1	133	2.55
1963878	Drill Core	4.62	2.1	318.0	2.4	43	0.1	5.1	24.0	1056	4.70	16.8	0.2	9.1	0.8	202	0.1	0.3	<0.1	127	3.57
1963879	Drill Core	4.33	2.1	194.8	2.1	40	0.1	3.0	11.4	822	3.49	11.4	0.2	12.6	1.4	171	<0.1	0.4	0.1	77	3.24
1963880	Drill Core	3.43	1.4	333.8	2.0	47	0.2	2.5	14.2	1040	4.47	4.4	0.1	20.4	0.8	105	<0.1	0.3	0.1	133	4.61
1963881	Drill Core	4.58	2.9	478.3	2.4	54	0.3	2.4	18.5	1118	4.67	9.3	0.4	34.1	0.7	110	0.1	0.3	0.2	122	5.26
1963882	Drill Core	2.89	2.2	1114	1.5	52	0.6	2.4	26.5	942	5.56	7.8	0.2	100.7	0.9	99	0.2	0.2	0.1	136	3.33
1963883	Drill Core	4.13	5.6	1498	1.7	54	1.1	3.0	24.9	850	5.59	12.1	0.3	87.8	1.1	88	0.2	0.2	0.4	119	3.20
1963884	Drill Core	3.95	3.4	828.7	1.9	47	0.4	2.4	21.7	838	5.65	6.2	0.2	47.9	0.7	99	<0.1	0.1	0.2	119	3.13
1963885	Drill Core	2.16	6.8	994.0	2.3	41	0.6	2.1	19.5	915	4.68	9.1	0.2	62.6	0.8	109	<0.1	0.2	0.1	113	4.58
1963886	Drill Core	1.63	6.5	1012	2.6	44	0.6	2.9	24.9	933	4.89	10.9	0.3	75.4	0.8	104	<0.1	0.2	0.2	113	4.72
1963887	Drill Core	3.12	5.2	617.0	1.8	38	0.3	2.1	21.0	839	5.35	5.0	<0.1	27.0	0.9	110	0.1	<0.1	0.2	90	3.74
1963888	Drill Core	3.19	15.4	619.7	2.1	45	0.3	2.1	17.0	970	5.33	6.0	0.1	23.9	1.0	111	<0.1	0.2	0.2	93	4.33
1963889	Drill Core	3.25	45.7	859.0	2.5	35	0.5	6.2	21.8	704	4.22	5.2	0.3	60.3	1.5	132	0.1	0.3	0.3	78	3.73
1963890	Drill Core	4.10	2.5	147.5	1.6	28	<0.1	1.8	4.3	637	2.70	8.3	0.5	3.9	2.8	94	0.2	0.5	<0.1	48	2.88
1963891	Drill Core	3.73	1.9	45.0	1.7	21	<0.1	1.7	4.0	579	2.22	2.8	0.3	1.3	2.4	88	<0.1	0.5	<0.1	47	3.01
1963892	Drill Core	4.41	1.7	48.2	1.9	22	<0.1	2.0	4.6	714	2.63	2.4	0.3	1.9	2.4	252	<0.1	0.3	<0.1	45	4.60
1963893	Drill Core	4.80	735.2	728.0	3.8	26	0.4	2.6	11.5	509	2.54	33.1	0.6	58.5	2.0	83	<0.1	1.3	<0.1	48	3.60
1963894	Drill Core	4.21	75.7	2290	3.6	44	0.9	2.6	27.6	493	3.95	175.3	0.8	173.2	0.8	72	0.2	3.7	<0.1	111	4.16
1963895	Drill Core	4.97	6.2	2353	3.0	40	1.0	3.0	29.3	609	5.00	70.1	0.4	154.7	0.9	66	0.2	0.7	<0.1	137	3.44
1963896	Drill Core	5.02	7.2	2773	1.9	42	1.0	2.7	26.0	560	4.14	48.2	0.5	208.8	1.0	68	<0.1	2.0	<0.1	138	2.94
1963897	Drill Core	3.64	2.7	364.6	1.4	19	0.2	1.4	4.7	538	2.24	2.8	0.2	14.1	2.3	88	<0.1	0.3	<0.1	45	2.82
1963898	Drill Core	4.32	1.7	79.4	1.8	17	0.1	1.7	5.7	534	2.11	3.5	0.3	4.0	2.7	127	<0.1	0.7	<0.1	46	2.62
1963899	Drill Core	4.00	1.2	217.2	1.6	23	0.2	2.0	5.1	635	2.31	4.9	0.2	14.9	2.0	158	<0.1	0.3	<0.1	49	2.94
1963900	Rock Pulp	0.09	237.9	4578	4.0	47	0.7	32.7	10.8	468	3.58	5.9	0.3	539.3	0.9	41	<0.1	0.8	<0.1	60	0.81
1963901	Drill Core	4.20	9.0	1408	1.9	37	0.7	6.4	23.4	696	4.31	12.7	0.3	102.9	1.0	77	0.1	0.4	<0.1	111	3.27
1963902	Drill Core	4.28	1.1	259.3	1.2	38	0.1	7.8	13.9	923	4.55	6.8	0.2	15.4	1.2	99	<0.1	0.2	<0.1	133	4.47

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
1963873	Drill Core	0.098	13	5	0.97	134	0.003	2	0.89	0.078	0.14	<0.1	<0.01	5.0	<0.1	0.27	5	<0.5	<0.2		
1963874	Drill Core	0.112	12	4	0.87	139	0.002	2	0.65	0.091	0.18	<0.1	<0.01	4.2	<0.1	0.51	3	<0.5	<0.2		
1963875	Drill Core	0.102	12	3	0.85	107	0.002	2	0.56	0.096	0.17	<0.1	<0.01	4.5	<0.1	0.20	3	<0.5	<0.2		
1963876	Drill Core	0.173	8	2	1.18	118	0.007	3	1.42	0.161	0.22	<0.1	0.03	13.6	<0.1	1.36	7	2.1	<0.2		
1963877	Drill Core	0.182	9	5	1.09	159	0.006	2	1.31	0.181	0.19	<0.1	0.02	9.4	<0.1	0.62	6	1.4	<0.2		
1963878	Drill Core	0.166	8	2	1.14	124	0.003	4	0.66	0.162	0.27	<0.1	0.06	14.3	<0.1	1.16	3	1.6	<0.2		
1963879	Drill Core	0.126	5	2	1.18	364	0.002	4	0.56	0.105	0.23	0.1	0.02	9.0	<0.1	0.42	2	0.7	<0.2		
1963880	Drill Core	0.144	5	1	1.75	328	0.002	3	0.49	0.080	0.19	0.1	<0.01	15.1	<0.1	0.44	1	0.7	<0.2		
1963881	Drill Core	0.142	4	1	2.03	158	0.001	3	0.55	0.086	0.19	<0.1	0.01	12.5	<0.1	0.91	1	1.3	0.3		
1963882	Drill Core	0.168	7	<1	1.51	62	0.005	4	0.70	0.093	0.28	<0.1	0.03	18.2	<0.1	1.96	3	4.5	0.2		0.096
1963883	Drill Core	0.149	7	1	1.49	57	0.005	5	0.68	0.107	0.32	<0.1	0.04	17.3	<0.1	2.39	3	3.1	0.2		
1963884	Drill Core	0.151	4	<1	1.37	113	0.004	4	0.68	0.107	0.29	0.1	0.03	17.2	<0.1	1.26	2	1.5	0.3		
1963885	Drill Core	0.139	5	<1	1.65	170	0.001	4	0.64	0.102	0.23	0.2	0.01	16.2	<0.1	0.87	1	1.1	<0.2		
1963886	Drill Core	0.137	5	<1	1.74	122	0.003	5	0.58	0.097	0.22	0.1	0.01	15.2	<0.1	1.32	1	1.5	<0.2		
1963887	Drill Core	0.157	4	<1	1.34	155	0.002	5	0.58	0.153	0.30	0.2	0.02	17.3	<0.1	1.07	2	0.7	<0.2		
1963888	Drill Core	0.150	5	<1	1.55	79	0.002	4	0.56	0.133	0.28	0.2	0.02	17.0	<0.1	1.18	2	1.0	<0.2		
1963889	Drill Core	0.104	5	2	1.26	85	0.002	3	0.49	0.086	0.20	0.3	0.02	10.7	<0.1	1.75	2	1.0	<0.2		
1963890	Drill Core	0.086	8	1	1.04	197	0.001	3	0.44	0.079	0.15	0.1	<0.01	5.6	<0.1	0.29	1	<0.5	<0.2		
1963891	Drill Core	0.081	6	2	1.02	377	0.003	3	0.43	0.081	0.17	0.3	<0.01	5.4	<0.1	0.08	1	<0.5	<0.2		
1963892	Drill Core	0.077	7	2	1.53	969	0.002	4	0.40	0.086	0.17	0.3	<0.01	4.9	<0.1	0.13	1	<0.5	<0.2		
1963893	Drill Core	0.091	6	1	1.22	204	0.002	4	0.48	0.111	0.23	0.3	0.06	5.6	<0.1	0.79	1	1.2	<0.2		
1963894	Drill Core	0.101	5	2	1.52	74	0.001	3	0.34	0.062	0.14	0.1	0.22	11.5	<0.1	2.01	<1	3.3	0.3	0.236	0.187
1963895	Drill Core	0.155	6	<1	1.33	53	0.006	5	0.75	0.073	0.24	0.1	0.06	16.4	<0.1	2.46	3	3.3	0.6	0.242	0.148
1963896	Drill Core	0.156	6	<1	1.14	135	0.018	5	0.79	0.090	0.39	<0.1	0.05	17.9	<0.1	1.36	5	2.6	<0.2	0.285	0.223
1963897	Drill Core	0.094	6	2	0.87	359	0.003	3	0.48	0.109	0.21	<0.1	<0.01	5.9	<0.1	0.07	2	<0.5	<0.2		
1963898	Drill Core	0.086	7	2	0.81	713	0.004	3	0.44	0.096	0.20	0.1	<0.01	5.8	<0.1	0.10	2	<0.5	<0.2		
1963899	Drill Core	0.089	6	2	1.00	926	0.004	3	0.59	0.112	0.25	0.1	<0.01	6.2	<0.1	0.08	2	<0.5	<0.2		
1963900	Rock Pulp	0.056	4	34	0.80	102	0.131	5	1.67	0.106	0.15	0.3	0.03	5.1	<0.1	0.60	5	0.6	<0.2	0.472	0.562
1963901	Drill Core	0.134	5	5	1.22	159	0.003	4	0.58	0.089	0.24	0.1	0.02	19.3	<0.1	1.27	2	2.4	<0.2		0.090
1963902	Drill Core	0.129	8	8	1.65	226	0.006	4	0.64	0.128	0.32	<0.1	<0.01	21.7	<0.1	0.26	2	<0.5	<0.2		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963903	Drill Core	6.84	2.1	97.9	1.4	37	<0.1	11.0	12.2	954	4.39	7.9	0.2	5.0	1.0	403	<0.1	0.2	<0.1	112	4.30
1963904	Drill Core	4.22	4.6	337.7	1.8	52	0.2	12.9	16.2	990	5.21	5.2	0.2	11.4	1.0	137	<0.1	0.2	<0.1	127	3.92
1963905	Drill Core	4.99	1.1	213.5	1.4	47	0.1	9.5	12.7	1081	4.88	4.2	0.1	10.9	0.8	162	<0.1	0.2	<0.1	129	6.69
1963906	Drill Core	2.51	1.4	119.5	1.1	39	<0.1	8.9	10.9	1155	4.69	5.5	0.1	4.2	0.8	91	<0.1	0.2	<0.1	119	6.56
1963907	Drill Core	5.06	5.0	299.7	1.4	44	0.2	12.4	14.4	965	4.97	7.0	0.2	14.3	1.0	118	<0.1	0.2	<0.1	98	4.09
1963908	Drill Core	5.31	3.1	587.7	2.1	39	0.3	8.7	19.0	933	4.88	5.4	0.2	22.4	1.1	114	0.1	0.2	<0.1	108	4.12
1963909	Drill Core	5.18	3.7	1125	1.6	50	0.5	4.1	28.3	798	4.90	8.6	0.3	48.5	1.1	99	<0.1	0.7	<0.1	107	3.90
1963910	Drill Core	5.50	20.5	4213	2.2	47	1.9	3.6	48.3	729	7.10	8.9	0.2	257.8	0.9	66	0.4	1.1	0.4	120	4.30
1963911	Drill Core	5.46	13.0	6576	2.8	42	2.3	9.0	106.2	794	10.09	12.6	0.2	371.5	1.0	59	0.3	0.3	0.3	109	3.52
1963912	Drill Core	4.41	7.5	2834	1.7	36	1.0	2.4	40.3	736	5.76	4.0	0.2	174.3	1.4	82	0.1	0.2	<0.1	101	3.01
1963913	Drill Core	5.19	7.3	1339	1.8	36	0.6	3.0	30.8	779	4.90	4.7	0.3	105.6	1.4	121	<0.1	0.3	<0.1	74	3.49
1963914	Drill Core	4.87	1.4	64.1	1.6	30	<0.1	1.6	8.9	835	2.98	5.0	0.4	2.9	1.9	384	<0.1	0.4	<0.1	52	2.92
1963915	Rock Pulp	0.10	65.1	7096	11.8	63	3.1	27.3	9.7	401	3.11	11.1	0.3	608.2	0.9	38	0.7	6.1	0.8	52	0.71
1963916	Drill Core	4.95	1.6	36.7	1.9	27	<0.1	1.4	8.2	878	2.67	4.8	0.6	1.7	1.6	1408	<0.1	0.4	<0.1	48	3.87
1963917	Drill Core	4.73	2.0	50.1	1.9	38	<0.1	1.9	9.9	960	3.20	3.8	0.5	1.6	1.9	1161	<0.1	0.3	<0.1	56	3.28
1963918	Drill Core	5.10	1.3	12.1	2.2	42	<0.1	2.4	8.1	922	2.97	3.7	0.6	1.5	1.7	795	<0.1	0.3	<0.1	48	3.22
1963919	Drill Core	4.66	1.5	60.5	1.9	35	<0.1	2.0	7.5	800	2.86	5.4	0.4	5.2	1.8	483	<0.1	0.3	0.1	46	3.11
1963920	Drill Core	5.20	95.3	109.6	2.1	28	<0.1	2.0	8.6	747	2.40	6.2	0.6	12.6	1.5	650	<0.1	0.4	0.1	38	4.24
1963921	Drill Core	5.41	22.4	106.5	1.9	26	<0.1	1.7	9.0	771	2.12	7.7	0.6	17.4	1.5	862	<0.1	0.1	<0.1	24	5.11
1963922	Drill Core	4.82	15.8	946.2	3.5	46	0.4	3.6	30.9	763	4.74	5.2	0.3	62.8	1.1	758	0.1	0.1	0.2	99	3.77
1963923	Drill Core	5.14	7.1	1777	1.6	52	0.7	3.4	28.2	765	4.99	5.4	0.2	143.7	0.7	555	0.1	0.2	0.1	126	2.54
1963924	Drill Core	5.12	5.7	1055	1.8	36	0.5	2.1	16.9	688	3.50	5.0	0.2	111.9	1.1	423	0.1	0.1	0.1	84	3.08
1963925	Drill Core	4.76	10.4	541.6	1.8	32	0.2	2.1	9.7	903	3.25	4.4	0.3	19.3	1.4	362	0.2	0.2	0.1	70	4.35
1963926	Drill Core	5.02	5.9	1395	1.8	40	0.7	2.7	27.5	806	4.55	7.5	0.3	94.3	1.0	182	0.2	0.3	0.2	101	4.18
1963927	Drill Core	4.74	3.4	466.2	1.0	33	0.3	2.1	15.0	759	3.90	5.0	0.2	35.6	0.8	377	0.1	0.2	<0.1	105	4.25
1963928	Drill Core	5.00	2.8	723.5	1.0	31	0.4	2.1	17.0	683	4.00	6.5	0.1	43.6	0.8	397	<0.1	0.2	<0.1	102	4.05
1963929	Drill Core	4.70	4.3	736.9	2.0	37	0.4	2.3	20.1	719	3.96	5.2	0.2	48.3	0.9	406	0.1	0.2	0.1	105	4.07
1963930	Rock	0.72	<0.1	2.6	<0.1	<1	<0.1	<0.1	0.3	27	<0.01	1.0	1.0	0.5	<0.1	3934	<0.1	<0.1	<0.1	<2	38.12
1963931	Drill Core	5.24	12.7	1269	1.2	31	0.6	1.9	17.6	652	3.72	17.0	0.1	140.7	0.8	485	<0.1	0.4	<0.1	86	4.36
1963932	Drill Core	5.26	4.1	760.2	1.4	31	0.4	1.7	21.1	758	4.16	14.4	0.1	91.9	0.8	467	<0.1	0.3	<0.1	100	4.94

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005	
1963903	Drill Core	0.123	7	12	1.52	611	0.009	5	0.65	0.149	0.33	0.1	<0.01	21.8	<0.1	0.27	2	<0.5	<0.2		
1963904	Drill Core	0.123	6	11	1.52	146	0.003	4	0.59	0.112	0.25	0.1	<0.01	22.4	<0.1	1.23	2	1.1	<0.2		
1963905	Drill Core	0.088	7	7	2.68	617	0.002	3	0.43	0.084	0.16	0.1	<0.01	16.5	<0.1	0.28	1	<0.5	<0.2		
1963906	Drill Core	0.102	6	8	2.57	96	0.003	3	0.34	0.086	0.18	0.1	<0.01	18.6	<0.1	0.11	1	<0.5	<0.2		
1963907	Drill Core	0.122	8	11	1.49	216	0.004	4	0.65	0.150	0.30	0.4	<0.01	21.7	<0.1	0.87	2	0.8	<0.2		
1963908	Drill Core	0.125	9	8	1.45	86	0.002	4	0.49	0.113	0.24	0.6	0.03	19.5	<0.1	1.80	1	2.4	<0.2		
1963909	Drill Core	0.147	7	<1	1.38	56	0.004	5	0.74	0.120	0.32	0.2	0.02	15.2	<0.1	2.11	3	3.7	<0.2		
1963910	Drill Core	0.135	8	<1	1.43	34	0.003	4	0.59	0.084	0.23	0.2	0.06	15.3	<0.1	4.35	2	11.4	0.5	0.437	0.279
1963911	Drill Core	0.119	6	<1	1.37	21	0.005	3	0.58	0.074	0.22	0.1	0.07	12.7	<0.1	7.98	2	17.8	0.9	0.665	0.346
1963912	Drill Core	0.125	9	1	1.16	59	0.008	2	0.57	0.082	0.24	0.1	0.02	11.5	<0.1	2.91	2	6.3	0.5	0.291	0.159
1963913	Drill Core	0.140	9	1	1.14	74	0.002	3	0.53	0.103	0.21	0.1	0.01	9.3	<0.1	2.16	2	4.5	0.2		0.094
1963914	Drill Core	0.155	11	<1	0.75	401	0.004	5	0.54	0.132	0.24	0.1	<0.01	6.2	<0.1	0.10	2	<0.5	<0.2		
1963915	Rock Pulp	0.051	3	40	0.70	88	0.112	3	1.46	0.088	0.13	2.6	0.07	4.4	<0.1	0.70	5	2.2	0.2	0.734	0.614
1963916	Drill Core	0.147	10	1	0.92	784	0.003	4	0.60	0.145	0.26	<0.1	<0.01	5.5	<0.1	0.14	2	<0.5	<0.2		
1963917	Drill Core	0.152	12	1	1.05	694	0.007	4	0.80	0.128	0.23	<0.1	<0.01	5.7	<0.1	0.19	4	<0.5	<0.2		
1963918	Drill Core	0.137	10	1	1.28	707	0.006	4	0.78	0.118	0.22	<0.1	<0.01	4.6	<0.1	0.13	4	<0.5	<0.2		
1963919	Drill Core	0.141	11	1	1.03	535	0.005	4	0.82	0.108	0.21	<0.1	<0.01	4.5	<0.1	0.22	4	<0.5	<0.2		
1963920	Drill Core	0.128	10	1	0.81	350	0.002	4	0.82	0.087	0.28	0.1	<0.01	3.6	<0.1	0.45	3	0.7	<0.2		
1963921	Drill Core	0.135	11	<1	0.60	378	0.001	3	0.64	0.088	0.30	0.1	<0.01	3.0	<0.1	0.42	2	<0.5	<0.2		
1963922	Drill Core	0.135	6	2	1.40	61	0.005	4	1.23	0.113	0.29	<0.1	0.04	10.1	<0.1	2.06	5	3.6	0.3		
1963923	Drill Core	0.131	6	2	1.60	81	0.035	3	1.14	0.087	0.36	<0.1	0.02	12.4	<0.1	1.75	5	4.4	<0.2		0.152
1963924	Drill Core	0.146	7	1	1.39	116	0.008	4	0.87	0.136	0.34	0.1	0.01	9.1	<0.1	1.08	4	2.3	<0.2		0.116
1963925	Drill Core	0.124	11	1	1.74	88	0.002	3	0.61	0.101	0.17	0.1	<0.01	8.3	<0.1	1.18	3	1.3	<0.2		
1963926	Drill Core	0.132	10	2	1.65	65	0.003	5	0.55	0.116	0.20	0.1	0.02	13.5	<0.1	1.97	2	2.6	0.2		
1963927	Drill Core	0.144	9	<1	1.54	154	0.003	4	0.45	0.102	0.19	<0.1	<0.01	14.8	<0.1	0.96	2	0.9	<0.2		
1963928	Drill Core	0.151	8	<1	1.59	119	0.002	5	0.49	0.114	0.23	0.1	0.01	15.2	<0.1	1.15	2	1.5	<0.2		
1963929	Drill Core	0.152	9	1	1.66	105	0.003	4	0.42	0.101	0.20	0.1	0.01	13.9	<0.1	1.27	1	1.7	<0.2		
1963930	Rock	0.005	<1	<1	1.86	7	<0.001	<1	0.03	0.003	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	0.2		
1963931	Drill Core	0.149	7	<1	1.49	113	0.003	5	0.48	0.114	0.25	<0.1	0.03	12.8	<0.1	1.21	2	2.5	<0.2		0.144
1963932	Drill Core	0.133	8	<1	1.59	106	0.001	5	0.47	0.102	0.21	<0.1	0.04	13.6	<0.1	1.32	1	1.8	<0.2		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

SMI12000334.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963933	Drill Core	5.04	10.8	1097	1.7	35	0.6	1.8	20.9	737	4.18	17.0	0.1	101.2	0.9	524	0.2	0.2	<0.1	94	5.06
1963934	Drill Core	4.61	27.0	910.1	1.3	42	0.4	2.2	17.0	661	4.20	20.7	0.1	53.2	0.9	376	0.1	0.4	<0.1	119	4.61
1963935	Drill Core	4.84	2.9	1229	2.0	36	0.7	2.6	21.5	794	4.52	28.5	0.1	77.8	0.6	589	0.1	0.6	0.2	87	4.91



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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
1963933	Drill Core	0.146	7	<1	1.55	121	0.001	6	0.47	0.106	0.24	<0.1	0.02	14.1	<0.1	1.29	1	2.6	<0.2	0.084
1963934	Drill Core	0.135	7	<1	1.76	199	0.001	6	0.56	0.099	0.22	<0.1	0.03	13.6	<0.1	0.71	1	2.1	<0.2	
1963935	Drill Core	0.156	5	<1	1.74	92	0.002	9	0.64	0.138	0.30	<0.1	0.06	12.7	<0.1	1.55	2	2.1	<0.2	



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QUALITY CONTROL REPORT

SMI12000334.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1963825	Drill Core	3.27	0.9	54.9	2.3	24	0.1	3.0	8.5	527	2.07	3.1	0.4	15.4	2.7	58	<0.1	1.5	0.2	37	0.44
REP 1963825	QC		0.9	52.8	2.1	23	0.1	2.9	8.3	504	2.00	2.9	0.3	12.1	2.5	56	<0.1	1.5	0.2	36	0.42
1963843	Drill Core	5.26	1.3	74.7	2.4	22	<0.1	3.3	7.7	350	2.34	1.8	0.6	<0.5	3.7	117	<0.1	0.2	<0.1	54	1.12
REP 1963843	QC		1.3	73.0	2.3	21	<0.1	3.0	7.6	343	2.30	1.9	0.6	1.2	3.8	114	<0.1	0.2	<0.1	53	1.09
1963855	Rock Pulp	0.10	65.3	6979	12.0	62	2.9	25.7	9.1	390	3.01	10.3	0.3	553.4	0.9	34	0.7	6.3	0.8	52	0.74
REP 1963855	QC																				
1963860	Drill Core	4.76	14.7	162.9	3.2	48	0.2	9.1	10.0	1004	2.86	4.2	0.8	16.1	3.0	109	0.1	0.7	0.1	36	2.01
REP 1963860	QC		13.4	165.8	3.2	49	0.2	8.8	9.8	968	2.89	4.2	0.7	12.3	3.0	118	<0.1	0.7	0.1	37	2.01
1963878	Drill Core	4.62	2.1	318.0	2.4	43	0.1	5.1	24.0	1056	4.70	16.8	0.2	9.1	0.8	202	0.1	0.3	<0.1	127	3.57
REP 1963878	QC		2.1	318.9	2.4	44	0.1	5.1	24.5	1055	4.66	16.8	0.2	8.9	0.8	204	0.1	0.3	<0.1	126	3.56
1963882	Drill Core	2.89	2.2	1114	1.5	52	0.6	2.4	26.5	942	5.56	7.8	0.2	100.7	0.9	99	0.2	0.2	0.1	136	3.33
REP 1963882	QC																				
1963895	Drill Core	4.97	6.2	2353	3.0	40	1.0	3.0	29.3	609	5.00	70.1	0.4	154.7	0.9	66	0.2	0.7	<0.1	137	3.44
REP 1963895	QC		5.8	2340	3.1	40	1.0	3.2	30.1	613	5.06	70.9	0.4	144.3	0.9	68	0.2	0.7	<0.1	138	3.45
1963900	Rock Pulp	0.09	237.9	4578	4.0	47	0.7	32.7	10.8	468	3.58	5.9	0.3	539.3	0.9	41	<0.1	0.8	<0.1	60	0.81
REP 1963900	QC																				
1963913	Drill Core	5.19	7.3	1339	1.8	36	0.6	3.0	30.8	779	4.90	4.7	0.3	105.6	1.4	121	<0.1	0.3	<0.1	74	3.49
REP 1963913	QC		7.5	1341	1.9	36	0.6	2.9	30.7	778	4.86	5.2	0.3	102.1	1.5	121	0.1	0.3	<0.1	74	3.50
1963926	Drill Core	5.02	5.9	1395	1.8	40	0.7	2.7	27.5	806	4.55	7.5	0.3	94.3	1.0	182	0.2	0.3	0.2	101	4.18
REP 1963926	QC		6.2	1397	1.9	39	0.7	2.6	27.3	801	4.50	7.6	0.2	95.6	1.0	189	0.2	0.3	0.2	100	4.12
1963931	Drill Core	5.24	12.7	1269	1.2	31	0.6	1.9	17.6	652	3.72	17.0	0.1	140.7	0.8	485	<0.1	0.4	<0.1	86	4.36
REP 1963931	QC		12.4	1302	1.3	31	0.5	1.5	17.2	648	3.68	17.0	0.1	142.4	0.9	512	0.1	0.4	<0.1	88	4.30
Core Reject Duplicates																					
1963837	Drill Core	6.94	0.8	113.1	3.4	15	0.1	1.9	6.0	282	2.69	5.1	0.5	19.7	3.1	107	<0.1	1.0	<0.1	42	0.85
DUP 1963837	QC	<0.01	0.9	116.6	3.3	15	0.1	1.9	6.2	291	2.75	5.1	0.5	17.8	3.1	111	<0.1	1.1	<0.1	43	0.87
1963871	Drill Core	4.20	0.8	134.4	2.6	73	<0.1	30.2	21.7	1474	4.88	9.2	0.7	29.5	1.9	132	0.2	0.6	0.1	150	2.86
DUP 1963871	QC	<0.01	0.9	131.7	2.6	70	<0.1	31.6	21.4	1463	4.82	9.0	0.8	27.0	1.9	123	0.2	0.5	0.1	147	2.92
1963905	Drill Core	4.99	1.1	213.5	1.4	47	0.1	9.5	12.7	1081	4.88	4.2	0.1	10.9	0.8	162	<0.1	0.2	<0.1	129	6.69



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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1700 - 750 W. Pender Street
Vancouver BC V6C 2T8 CANADA

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
Pulp Duplicates																				
1963825	Drill Core	0.020	5	4	0.19	39	0.007	5	0.36	0.080	0.24	1.5	0.02	4.2	<0.1	<0.05	<1	<0.5	<0.2	
REP 1963825	QC	0.019	5	4	0.18	36	0.006	5	0.33	0.079	0.23	1.4	0.02	4.2	<0.1	<0.05	<1	<0.5	<0.2	
1963843	Drill Core	0.084	10	4	0.57	359	0.002	3	0.34	0.096	0.18	<0.1	0.03	4.3	<0.1	<0.05	1	<0.5	<0.2	
REP 1963843	QC	0.082	10	4	0.55	350	0.002	2	0.32	0.093	0.18	<0.1	0.03	4.2	<0.1	<0.05	1	<0.5	<0.2	
1963855	Rock Pulp	0.058	3	38	0.69	84	0.100	3	1.45	0.090	0.14	2.4	0.07	4.2	<0.1	0.75	5	2.2	0.3	0.714 0.631
REP 1963855	QC																			0.715
1963860	Drill Core	0.096	7	11	0.88	514	0.001	2	0.41	0.104	0.26	0.2	<0.01	6.5	<0.1	0.09	1	<0.5	<0.2	
REP 1963860	QC	0.101	8	11	0.88	563	0.001	3	0.47	0.104	0.27	0.2	<0.01	6.6	<0.1	0.09	1	<0.5	<0.2	
1963878	Drill Core	0.166	8	2	1.14	124	0.003	4	0.66	0.162	0.27	<0.1	0.06	14.3	<0.1	1.16	3	1.6	<0.2	
REP 1963878	QC	0.178	8	2	1.14	122	0.003	3	0.63	0.161	0.26	<0.1	0.05	14.4	<0.1	1.15	3	1.4	<0.2	
1963882	Drill Core	0.168	7	<1	1.51	62	0.005	4	0.70	0.093	0.28	<0.1	0.03	18.2	<0.1	1.96	3	4.5	0.2	0.096
REP 1963882	QC																			0.096
1963895	Drill Core	0.155	6	<1	1.33	53	0.006	5	0.75	0.073	0.24	0.1	0.06	16.4	<0.1	2.46	3	3.3	0.6	0.242 0.148
REP 1963895	QC	0.156	6	<1	1.36	66	0.006	6	0.78	0.073	0.25	0.2	0.06	16.6	<0.1	2.48	3	3.4	0.3	
1963900	Rock Pulp	0.056	4	34	0.80	102	0.131	5	1.67	0.106	0.15	0.3	0.03	5.1	<0.1	0.60	5	0.6	<0.2	0.472 0.562
REP 1963900	QC																			0.616
1963913	Drill Core	0.140	9	1	1.14	74	0.002	3	0.53	0.103	0.21	0.1	0.01	9.3	<0.1	2.16	2	4.5	0.2	0.094
REP 1963913	QC	0.136	9	1	1.14	74	0.003	4	0.49	0.103	0.21	0.1	0.02	9.1	<0.1	2.15	2	3.9	0.3	
1963926	Drill Core	0.132	10	2	1.65	65	0.003	5	0.55	0.116	0.20	0.1	0.02	13.5	<0.1	1.97	2	2.6	0.2	
REP 1963926	QC	0.132	10	1	1.64	64	0.003	4	0.56	0.116	0.20	0.1	0.01	13.3	<0.1	1.90	2	2.7	<0.2	
1963931	Drill Core	0.149	7	<1	1.49	113	0.003	5	0.48	0.114	0.25	<0.1	0.03	12.8	<0.1	1.21	2	2.5	<0.2	0.144
REP 1963931	QC	0.149	6	<1	1.46	104	0.003	5	0.49	0.113	0.25	<0.1	0.04	13.0	<0.1	1.22	1	2.0	<0.2	
Core Reject Duplicates																				
1963837	Drill Core	0.088	9	4	0.24	899	0.010	4	0.34	0.095	0.21	1.2	0.05	5.7	<0.1	<0.05	<1	<0.5	<0.2	
DUP 1963837	QC	0.091	9	4	0.25	916	0.011	5	0.36	0.098	0.23	1.1	0.05	5.7	<0.1	<0.05	1	<0.5	<0.2	
1963871	Drill Core	0.159	11	85	2.25	120	0.017	3	1.94	0.182	0.12	<0.1	0.01	16.8	<0.1	0.89	8	0.5	0.2	
DUP 1963871	QC	0.159	12	83	2.23	106	0.015	4	1.91	0.180	0.12	<0.1	<0.01	16.6	<0.1	0.88	8	0.5	0.3	
1963905	Drill Core	0.088	7	7	2.68	617	0.002	3	0.43	0.084	0.16	0.1	<0.01	16.5	<0.1	0.28	1	<0.5	<0.2	

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 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 176
 Report Date: October 05, 2012

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Part: 1 of 1

QUALITY CONTROL REPORT

SMI12000334.1

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
DUP 1963905	QC	<0.01	1.0	210.9	1.4	49	0.1	9.7	13.0	1101	4.94	4.6	0.1	7.0	0.8	175	<0.1	0.1	<0.1	130	6.75
Reference Materials																					
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD DS9	Standard		13.6	118.5	124.6	322	1.9	40.6	8.0	587	2.41	26.4	3.0	135.7	6.9	76	2.4	5.9	6.5	40	0.73
STD DS9	Standard		12.2	105.3	126.9	318	1.8	38.1	7.8	597	2.37	24.7	2.8	109.9	6.7	69	2.3	6.5	6.6	40	0.75
STD DS9	Standard		13.2	108.4	124.6	294	1.8	39.0	7.3	558	2.24	24.5	2.7	106.8	6.4	68	2.3	5.5	6.4	40	0.72
STD DS9	Standard		12.5	105.7	123.8	302	1.8	39.1	7.5	553	2.20	25.4	2.5	112.4	5.9	67	2.6	5.5	5.8	36	0.70
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OXG99 Expected																					
STD CDN-ME-14A Expected																					
STD CDN-ME-9A Expected																					
STD OXK94 Expected																					
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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Vancouver BC V6C 2T8 CANADA

Project: 176
Report Date: October 05, 2012

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QUALITY CONTROL REPORT

SMI12000334.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
DUP 1963905	QC	0.094	7	8	2.75	661	0.002	4	0.47	0.085	0.17	0.1	<0.01	16.8	<0.1	0.27	1	<0.5	<0.2		
Reference Materials																					
STD CDN-ME-14A	Standard																				1.222
STD CDN-ME-9A	Standard																				0.651
STD CDN-ME-9A	Standard																				0.657
STD CDN-ME-14A	Standard																				1.250
STD CDN-ME-14A	Standard																				1.277
STD CDN-ME-9A	Standard																				0.677
STD DS9	Standard	0.083	13	123	0.63	298	0.123	3	0.98	0.092	0.41	3.2	0.21	2.4	5.6	0.17	5	5.8	5.4		
STD DS9	Standard	0.081	13	114	0.62	288	0.112	2	0.97	0.090	0.41	3.2	0.21	2.6	5.7	0.16	5	4.7	5.4		
STD DS9	Standard	0.078	14	121	0.61	298	0.115	3	0.96	0.084	0.40	3.0	0.21	2.3	5.3	0.17	4	5.2	4.8		
STD DS9	Standard	0.080	12	115	0.61	288	0.103	2	0.98	0.090	0.40	3.1	0.22	2.2	5.3	0.16	4	5.0	5.0		
STD OXG99	Standard																				0.920
STD OXG99	Standard																				0.964
STD OXK94	Standard																				3.539
STD OXK94	Standard																				3.656
STD OXK94	Standard																				3.517
STD OXK94	Standard																				3.553
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02		
STD OXG99 Expected																					0.932
STD CDN-ME-14A Expected																					1.221
STD CDN-ME-9A Expected																					0.654
STD OXK94 Expected																					3.562
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																				<0.005
BLK	Blank																				<0.005
BLK	Blank																				<0.005
BLK	Blank																				<0.001



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 Report Date: October 05, 2012

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QUALITY CONTROL REPORT

SMI12000334.1

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank																				
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.1	3.9	2.7	45	<0.1	3.9	4.3	567	1.88	1.5	1.6	<0.5	5.0	55	<0.1	<0.1	0.1	37	0.48
G1-SMI	Prep Blank	<0.01	<0.1	3.5	2.6	45	<0.1	2.6	3.9	575	1.94	1.2	1.7	<0.5	5.4	56	<0.1	<0.1	<0.1	40	0.47



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QUALITY CONTROL REPORT

SMI12000334.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR	G6	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Au
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.005
BLK	Blank																				<0.001
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																				<0.005
BLK	Blank																				<0.005
BLK	Blank																				<0.001
BLK	Blank																				<0.005
Prep Wash																					
G1-SMI	Prep Blank	0.074	12	8	0.53	167	0.115	<1	0.87	0.074	0.47	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2		
G1-SMI	Prep Blank	0.078	12	7	0.51	159	0.118	1	0.89	0.077	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2		



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Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: September 06, 2012
Report Date: October 03, 2012
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CERTIFICATE OF ANALYSIS

SMI12000335.1

CLIENT JOB INFORMATION

Project: 175-B
Shipment ID: 2012 - 10
P.O. Number
Number of Samples: 119

SAMPLE DISPOSAL

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

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

Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 1DX2, G601, and 7AR.

ADDITIONAL COMMENTS



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



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Project: 175-B
 Report Date: October 03, 2012

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CERTIFICATE OF ANALYSIS

SMI12000335.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1-SMI	Prep Blank	<0.01	0.1	3.1	3.1	43	<0.1	2.2	3.6	529	1.87	0.5	1.5	2.7	6.0	57	<0.1	<0.1	0.1	34	0.47
G1-SMI	Prep Blank	<0.01	0.1	2.2	3.1	43	<0.1	1.8	3.6	566	1.87	<0.5	1.8	0.8	5.7	56	<0.1	<0.1	<0.1	35	0.44
1963696	Drill Core	5.14	1.3	40.2	3.0	70	<0.1	5.9	5.6	1066	2.53	11.0	0.5	2.0	1.8	126	<0.1	5.3	<0.1	52	2.58
1963697	Drill Core	5.13	1.9	54.4	3.0	74	<0.1	5.7	9.6	1143	2.82	8.9	0.4	8.0	1.8	133	<0.1	3.1	<0.1	51	2.47
1963698	Drill Core	4.82	1.9	137.8	2.2	71	<0.1	6.6	7.7	1094	2.80	9.1	0.4	3.6	1.9	161	<0.1	2.1	<0.1	54	2.59
1963699	Drill Core	3.57	2.1	160.0	2.6	68	0.1	5.5	9.2	1229	2.88	9.4	0.4	9.5	1.8	176	<0.1	1.7	<0.1	55	3.11
1963700	Drill Core	3.95	2.5	79.0	3.1	61	0.1	4.3	8.2	1373	2.95	9.3	0.6	11.2	1.7	463	<0.1	1.8	0.1	47	5.40
1963701	Drill Core	5.27	16.8	1050	7.5	88	1.2	6.4	20.7	1368	6.68	13.6	0.7	341.0	1.1	370	0.2	1.5	0.5	88	4.94
1963702	Drill Core	6.05	21.6	638.6	5.5	112	0.6	4.9	21.2	1067	4.95	15.3	0.6	81.7	1.2	174	0.3	0.8	0.2	104	2.72
1963703	Drill Core	5.06	21.8	833.2	8.3	114	1.2	5.1	29.0	963	6.14	18.9	0.9	325.5	1.2	166	0.4	0.8	0.3	91	2.05
1963704	Drill Core	6.50	11.5	327.7	6.4	112	0.4	4.4	12.5	1122	3.68	18.5	1.1	33.7	1.1	189	0.4	0.7	0.1	121	2.53
1963705	Drill Core	2.08	22.9	582.5	6.0	153	0.6	4.7	22.9	1229	4.65	15.4	0.5	68.6	1.2	191	0.5	0.6	0.2	124	2.20
1963706	Drill Core	2.23	23.2	521.5	6.4	161	0.6	4.7	22.3	1232	4.65	15.7	0.5	51.8	1.2	190	0.5	0.6	0.2	124	2.39
1963707	Drill Core	4.00	23.8	634.1	6.9	188	0.7	4.5	12.2	1372	4.16	18.3	0.7	62.9	1.2	197	1.2	0.7	0.1	135	2.82
1963708	Drill Core	4.81	22.6	792.1	6.1	199	0.8	5.1	14.9	1418	4.20	18.6	0.7	57.1	1.3	121	1.2	0.9	0.1	134	2.18
1963709	Drill Core	4.92	22.2	534.3	5.3	186	0.5	5.4	10.4	1467	4.47	17.5	0.6	36.7	1.3	78	0.8	1.1	<0.1	145	2.20
1963710	Drill Core	4.71	28.6	696.7	4.9	194	0.7	6.7	17.6	1520	4.82	20.0	0.6	54.7	1.2	77	0.4	0.9	0.2	137	2.00
1963711	Drill Core	4.88	23.0	745.7	6.5	246	0.9	6.1	26.0	1795	4.59	19.0	0.5	47.2	1.4	151	0.7	0.7	0.2	133	2.36
1963712	Drill Core	4.97	17.5	728.8	6.0	296	0.8	5.0	21.2	1710	5.42	13.2	0.4	29.2	1.2	213	0.9	0.6	0.1	147	2.00
1963713	Drill Core	5.05	19.9	904.7	6.4	158	1.0	4.9	21.9	1896	5.69	20.8	0.5	59.1	1.5	224	0.5	1.6	0.2	113	3.56
1963714	Drill Core	5.24	22.7	1348	3.8	179	1.3	6.8	32.8	1426	6.97	20.7	0.4	116.2	1.3	86	0.7	0.9	0.2	127	2.39
1963715	Drill Core	4.43	16.5	855.6	5.6	118	0.6	6.2	36.6	1283	5.80	16.5	0.5	80.6	1.3	80	0.4	1.6	0.2	160	2.98
1963716	Drill Core	4.60	2.9	194.6	3.2	53	0.2	2.5	10.2	829	3.44	8.3	0.6	10.7	2.4	170	<0.1	1.4	<0.1	63	1.98
1963717	Drill Core	4.69	12.8	744.6	3.8	87	0.5	4.5	14.3	1071	4.27	12.2	0.6	59.6	1.7	83	0.4	1.3	<0.1	125	2.69
1963718	Drill Core	3.63	0.8	73.0	3.6	43	<0.1	2.4	6.0	664	2.86	6.9	0.6	7.9	2.8	109	0.1	1.3	<0.1	53	1.64
1963719	Drill Core	3.00	1.7	37.5	3.4	45	<0.1	2.8	6.7	706	2.99	6.7	0.7	10.1	2.5	111	<0.1	1.2	<0.1	62	1.85
1963720	Rock Pulp	0.10	247.2	4695	5.2	48	0.7	32.6	10.8	493	3.72	6.1	0.3	507.0	1.1	45	<0.1	1.1	0.1	64	0.86
1963721	Drill Core	4.71	2.5	125.9	3.3	48	<0.1	3.7	10.2	824	3.77	8.1	0.5	14.3	2.1	128	0.1	1.2	<0.1	77	2.35
1963722	Drill Core	4.03	1.8	134.0	4.7	49	0.1	3.6	9.8	741	3.62	7.8	0.5	12.5	2.0	99	<0.1	1.2	<0.1	81	2.03
1963723	Drill Core	5.41	1.8	79.6	3.1	46	<0.1	4.0	10.8	899	3.45	6.8	0.5	8.2	1.9	142	0.2	1.1	<0.1	86	2.69



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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Project: 175-B
 Report Date: October 03, 2012

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CERTIFICATE OF ANALYSIS

SMI12000335.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 Te	G6 Au	7AR Cu
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%
				0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001
G1-SMI	Prep Blank			0.074	11	6	0.48	148	0.116	2	0.84	0.075	0.45	<0.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2		
G1-SMI	Prep Blank			0.077	11	4	0.48	168	0.111	2	0.85	0.074	0.46	<0.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2		
1963696	Drill Core			0.153	8	5	1.18	220	0.010	5	1.63	0.090	0.16	<0.1	<0.01	3.1	<0.1	0.05	6	<0.5	<0.2		
1963697	Drill Core			0.149	8	5	1.21	313	0.008	4	1.65	0.074	0.17	0.1	<0.01	2.8	<0.1	0.09	6	<0.5	<0.2		
1963698	Drill Core			0.145	8	5	1.14	407	0.006	3	1.52	0.073	0.17	<0.1	<0.01	3.3	<0.1	0.19	6	<0.5	<0.2		
1963699	Drill Core			0.141	9	5	1.09	452	0.004	2	1.55	0.071	0.16	0.1	<0.01	3.7	<0.1	0.25	6	<0.5	<0.2		
1963700	Drill Core			0.128	7	4	0.72	117	0.003	3	1.51	0.066	0.24	<0.1	<0.01	4.7	<0.1	0.86	5	<0.5	<0.2		
1963701	Drill Core			0.123	7	11	1.03	35	0.008	5	1.86	0.055	0.23	0.1	0.02	7.5	<0.1	3.52	7	2.9	0.5	0.446	
1963702	Drill Core			0.146	8	9	1.27	40	0.035	3	1.57	0.068	0.22	0.1	0.02	5.9	<0.1	2.96	7	2.5	0.4		
1963703	Drill Core			0.129	6	6	1.08	28	0.068	2	1.25	0.052	0.18	0.3	0.08	5.2	<0.1	4.52	6	3.7	1.3	0.236	
1963704	Drill Core			0.162	7	7	1.26	118	0.124	3	1.27	0.080	0.15	0.4	<0.01	9.5	<0.1	1.54	7	1.7	0.3		
1963705	Drill Core			0.157	7	8	1.56	89	0.105	3	1.65	0.067	0.18	0.2	0.01	8.2	<0.1	1.77	8	1.4	0.3		
1963706	Drill Core			0.167	8	8	1.52	92	0.098	2	1.61	0.068	0.18	0.3	0.01	7.7	<0.1	1.75	9	1.8	0.3		
1963707	Drill Core			0.167	8	13	1.53	217	0.097	3	1.54	0.087	0.14	0.3	<0.01	11.1	<0.1	0.88	8	<0.5	<0.2		
1963708	Drill Core			0.176	9	8	1.54	232	0.053	4	1.44	0.104	0.13	0.2	<0.01	10.1	<0.1	0.68	8	0.8	<0.2		
1963709	Drill Core			0.180	10	8	1.55	176	0.045	4	1.51	0.103	0.12	0.2	0.01	11.4	<0.1	0.45	8	<0.5	<0.2		
1963710	Drill Core			0.168	8	9	1.47	112	0.018	3	1.76	0.079	0.13	0.2	0.02	9.3	<0.1	1.34	9	1.4	<0.2		
1963711	Drill Core			0.177	8	10	1.55	124	0.081	2	1.65	0.095	0.15	0.2	0.03	10.9	<0.1	1.39	8	1.2	0.3		
1963712	Drill Core			0.173	8	11	1.84	82	0.075	2	2.08	0.085	0.53	0.2	0.02	8.7	0.1	1.93	10	1.2	<0.2		
1963713	Drill Core			0.165	13	5	1.06	73	0.016	3	1.56	0.083	0.20	0.1	0.02	8.8	<0.1	2.38	8	0.9	0.4		
1963714	Drill Core			0.178	9	9	1.48	62	0.036	3	1.80	0.081	0.22	0.1	0.02	10.9	<0.1	3.00	9	2.4	0.5	0.090	
1963715	Drill Core			0.190	11	8	1.23	97	0.024	3	1.91	0.092	0.21	0.1	<0.01	13.2	<0.1	1.00	9	1.0	<0.2		
1963716	Drill Core			0.123	12	3	0.76	455	0.011	3	1.28	0.076	0.15	0.1	<0.01	4.4	<0.1	0.18	7	<0.5	<0.2		
1963717	Drill Core			0.176	12	6	0.97	136	0.021	4	1.53	0.085	0.19	0.1	<0.01	9.4	<0.1	0.25	8	<0.5	<0.2		
1963718	Drill Core			0.128	12	2	0.79	245	0.008	3	1.24	0.080	0.15	<0.1	<0.01	3.7	<0.1	0.05	7	<0.5	<0.2		
1963719	Drill Core			0.127	12	2	0.82	276	0.015	3	1.33	0.089	0.17	<0.1	<0.01	4.4	<0.1	0.06	7	<0.5	<0.2		
1963720	Rock Pulp			0.063	4	37	0.82	112	0.140	7	1.66	0.101	0.14	0.3	0.04	5.2	<0.1	0.63	5	0.9	<0.2	0.575	0.461
1963721	Drill Core			0.153	11	3	1.02	166	0.018	3	1.55	0.093	0.17	<0.1	<0.01	4.9	<0.1	<0.05	8	<0.5	<0.2		
1963722	Drill Core			0.149	10	3	1.02	207	0.026	3	1.55	0.096	0.17	<0.1	<0.01	5.1	<0.1	<0.05	7	<0.5	<0.2		
1963723	Drill Core			0.154	10	3	1.14	243	0.040	3	1.63	0.090	0.15	<0.1	<0.01	5.9	<0.1	0.06	8	<0.5	<0.2		



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 175-B
 Report Date: October 03, 2012

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CERTIFICATE OF ANALYSIS

SMI12000335.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963724	Drill Core	5.52	2.2	97.3	3.7	42	<0.1	4.3	9.3	883	3.11	8.0	0.5	8.1	1.9	149	<0.1	1.5	<0.1	78	3.01
1963725	Drill Core	3.88	1.1	39.4	2.9	42	<0.1	4.3	6.2	784	3.51	8.5	0.6	4.3	2.0	69	<0.1	1.3	<0.1	91	2.18
1963726	Drill Core	4.41	1.6	117.5	3.0	46	0.1	4.2	5.5	874	3.27	8.6	0.6	7.7	1.8	104	0.1	1.4	<0.1	88	2.72
1963727	Drill Core	5.54	2.1	248.6	3.6	46	0.2	3.7	7.3	711	3.08	7.8	0.6	10.9	2.0	99	0.1	1.2	<0.1	71	1.99
1963728	Drill Core	3.20	19.7	1712	1.9	70	1.1	5.2	17.4	994	4.90	14.5	1.0	130.0	1.3	79	0.2	1.4	<0.1	133	2.30
1963729	Drill Core	4.90	18.1	1708	1.8	81	1.0	4.6	19.6	1060	4.56	16.2	0.7	84.8	1.0	70	0.3	1.3	0.2	144	2.68
1963730	Drill Core	5.09	16.7	1984	2.3	88	1.2	6.5	34.3	1071	5.21	22.4	0.5	130.5	0.9	89	0.4	1.2	0.3	146	3.11
1963731	Drill Core	5.41	22.9	2145	2.4	91	1.1	7.3	29.8	1091	6.62	14.6	0.5	164.3	0.7	70	0.2	1.0	0.2	126	3.25
1963732	Drill Core	4.32	12.2	348.2	2.0	57	0.2	4.4	15.1	803	3.51	7.7	0.5	21.9	1.6	98	0.1	0.9	<0.1	76	2.48
1963733	Drill Core	4.20	2.4	278.7	2.4	50	<0.1	2.2	7.5	1012	2.99	6.8	0.5	6.4	2.0	108	<0.1	1.8	0.1	38	3.89
1963734	Drill Core	4.90	2.0	86.9	2.4	49	<0.1	2.5	6.3	712	2.92	5.7	0.5	6.3	1.8	67	0.1	1.3	<0.1	48	2.38
1963735	Rock Pulp	0.10	63.4	7059	11.2	64	2.9	28.5	9.6	405	3.08	11.2	0.2	497.7	0.8	37	0.6	5.4	0.8	53	0.70
1963736	Drill Core	4.68	2.4	284.6	2.4	36	0.1	2.1	7.5	805	2.10	5.9	0.6	60.4	3.1	556	<0.1	0.9	<0.1	35	3.40
1963737	Drill Core	5.16	31.3	2366	4.8	93	1.3	13.5	67.1	1020	7.40	29.9	0.4	218.1	0.8	161	0.6	0.8	0.3	101	2.90
1963738	Drill Core	4.43	26.0	3155	3.8	121	1.7	7.8	33.8	1015	5.45	13.1	0.5	292.6	0.6	458	0.7	1.9	0.2	86	3.13
1963739	Drill Core	4.99	17.8	4130	4.7	106	2.6	8.9	40.2	869	5.40	10.3	0.2	409.2	0.6	318	0.5	0.5	0.1	107	2.43
1963740	Drill Core	5.14	8.8	3528	4.3	82	1.9	5.3	33.2	954	4.93	12.7	0.3	388.9	0.7	264	0.5	0.6	0.1	130	2.90
1963741	Drill Core	4.77	3.6	1065	3.3	92	0.6	2.8	29.7	1083	5.08	18.6	0.2	76.0	0.6	129	0.2	0.7	0.1	149	2.92
1963742	Drill Core	5.40	2.4	549.5	5.7	90	0.5	3.4	31.4	1277	4.95	17.6	0.7	56.0	0.9	224	0.2	1.1	0.2	143	4.10
1963743	Drill Core	4.69	5.7	659.6	2.8	78	0.6	1.8	27.0	1019	4.82	17.2	0.3	52.3	1.4	152	0.2	1.1	0.2	105	3.11
1963744	Drill Core	5.13	21.8	804.0	4.0	53	0.7	2.1	119.6	1091	6.29	14.2	0.6	443.0	1.5	260	0.2	1.1	0.7	65	4.24
1963745	Drill Core	5.37	1.6	624.2	3.4	86	0.4	5.9	19.6	1423	4.50	11.5	0.3	106.1	1.8	159	0.2	1.0	<0.1	129	4.41
1963746	Drill Core	5.06	7.5	978.2	4.7	98	0.8	2.3	43.9	1448	5.63	15.9	0.2	149.2	0.7	166	0.2	1.0	0.2	147	3.62
1963747	Drill Core	5.12	13.9	1358	3.4	99	0.8	2.7	49.5	1135	5.61	19.8	0.1	110.2	0.7	250	0.2	0.6	0.1	144	3.28
1963748	Drill Core	5.12	2.2	608.8	4.7	88	0.4	2.4	30.1	1371	5.42	21.7	0.2	68.8	0.8	280	0.3	0.9	0.2	136	4.28
1963749	Drill Core	5.32	6.5	579.6	3.8	92	0.5	2.6	37.7	1251	4.81	15.6	0.3	59.6	0.7	196	0.1	0.8	0.1	141	3.64
1963750	Rock	0.82	<0.1	3.4	<0.1	<1	<0.1	<0.1	0.2	40	<0.01	1.1	0.9	1.9	<0.1	3596	<0.1	<0.1	<0.1	<2	32.46
1963751	Drill Core	4.81	16.9	1479	2.3	93	0.8	2.4	44.4	1022	5.53	11.8	0.2	116.5	0.7	108	0.3	0.5	<0.1	156	2.86
1963752	Drill Core	4.86	30.1	2482	3.0	88	1.3	2.4	44.3	917	5.12	11.1	0.2	113.6	0.7	162	0.3	0.5	<0.1	170	2.67
1963753	Drill Core	5.11	3.8	997.0	4.2	85	0.5	2.0	34.5	868	5.10	13.7	0.3	92.5	0.7	82	0.2	0.7	0.2	154	2.67

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 175-B
 Report Date: October 03, 2012

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CERTIFICATE OF ANALYSIS

SMI12000335.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 Te	G6 Au	7AR Cu
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%
				0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001
1963724	Drill Core			0.146	12	3	0.95	313	0.025	4	1.56	0.103	0.18	<0.1	<0.01	5.7	<0.1	0.10	7	<0.5	<0.2		
1963725	Drill Core			0.171	9	3	1.26	66	0.064	3	1.64	0.099	0.13	0.1	<0.01	7.0	<0.1	<0.05	8	<0.5	<0.2		
1963726	Drill Core			0.148	10	3	1.11	217	0.035	3	1.57	0.095	0.13	<0.1	<0.01	6.3	<0.1	<0.05	8	<0.5	<0.2		
1963727	Drill Core			0.137	10	3	0.93	231	0.020	3	1.44	0.094	0.15	<0.1	<0.01	4.8	<0.1	0.09	7	<0.5	<0.2		
1963728	Drill Core			0.177	10	7	1.53	125	0.073	4	1.79	0.096	0.18	0.2	<0.01	11.3	<0.1	0.55	8	1.2	<0.2	0.093	
1963729	Drill Core			0.155	7	7	1.35	77	0.078	3	1.48	0.125	0.15	0.3	0.01	12.8	<0.1	0.71	7	1.2	<0.2		
1963730	Drill Core			0.167	9	5	1.14	47	0.025	3	1.64	0.085	0.21	0.1	0.03	11.6	<0.1	2.17	8	3.2	0.3	0.120	
1963731	Drill Core			0.135	11	11	1.07	32	0.018	3	1.76	0.086	0.22	0.1	0.02	10.2	<0.1	2.50	9	4.7	0.3	0.198	0.211
1963732	Drill Core			0.111	10	5	0.82	218	0.006	4	1.27	0.080	0.16	0.1	0.01	6.2	<0.1	0.59	7	0.7	<0.2		
1963733	Drill Core			0.098	10	2	0.57	229	0.007	5	1.22	0.089	0.28	0.1	<0.01	2.7	<0.1	0.08	5	<0.5	<0.2		
1963734	Drill Core			0.104	12	2	0.57	114	0.005	3	1.26	0.100	0.25	<0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2		
1963735	Rock Pulp			0.051	3	42	0.70	82	0.106	3	1.45	0.089	0.13	2.4	0.06	4.1	<0.1	0.72	5	2.5	0.2	0.691	0.730
1963736	Drill Core			0.089	13	2	0.42	732	0.003	3	0.84	0.100	0.27	<0.1	0.01	3.3	<0.1	0.19	4	<0.5	<0.2		
1963737	Drill Core			0.097	9	17	0.94	26	0.011	3	1.11	0.082	0.25	0.1	0.08	7.7	<0.1	3.27	6	1.9	0.8	0.208	0.229
1963738	Drill Core			0.092	10	17	1.12	44	0.021	5	1.71	0.088	0.39	<0.1	0.06	6.8	<0.1	2.35	7	2.3	0.5	0.318	0.316
1963739	Drill Core			0.111	8	15	1.40	31	0.070	2	1.76	0.059	0.60	<0.1	0.07	7.7	0.1	3.07	9	4.8	0.8	0.462	0.435
1963740	Drill Core			0.131	6	10	1.24	49	0.044	3	1.60	0.076	0.26	<0.1	0.05	8.6	<0.1	2.11	7	4.2	0.5	0.469	0.357
1963741	Drill Core			0.186	5	7	1.65	78	0.079	4	2.05	0.110	0.29	0.2	0.04	11.4	<0.1	1.69	8	1.8	0.4		
1963742	Drill Core			0.186	8	3	1.30	72	0.015	3	2.06	0.106	0.23	0.1	0.07	10.9	<0.1	1.45	7	1.4	0.3		
1963743	Drill Core			0.201	10	1	1.25	43	0.007	4	1.79	0.111	0.22	<0.1	0.02	8.0	<0.1	1.98	7	1.6	0.2		
1963744	Drill Core			0.130	13	<1	0.76	17	0.003	6	1.03	0.089	0.22	0.5	0.10	6.1	<0.1	4.81	4	3.4	0.5	0.588	
1963745	Drill Core			0.131	9	1	1.16	251	0.005	5	1.77	0.127	0.24	0.2	0.01	11.3	<0.1	0.40	7	0.6	<0.2	0.083	
1963746	Drill Core			0.194	7	<1	1.48	62	0.025	2	2.20	0.110	0.23	0.3	0.02	9.8	<0.1	1.65	8	2.5	0.6	0.157	
1963747	Drill Core			0.180	7	1	1.57	33	0.053	4	2.08	0.130	0.44	<0.1	0.04	9.5	<0.1	2.80	8	2.8	0.4	0.105	
1963748	Drill Core			0.174	9	1	1.57	52	0.015	4	1.61	0.107	0.22	0.1	0.03	10.2	<0.1	1.76	7	1.6	0.3		
1963749	Drill Core			0.200	9	1	1.58	82	0.012	4	2.21	0.090	0.28	<0.1	0.05	8.0	<0.1	1.35	8	1.0	<0.2		
1963750	Rock			0.005	<1	<1	1.84	6	<0.001	<1	0.03	0.003	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	0.4		
1963751	Drill Core			0.177	5	1	1.66	51	0.083	4	2.17	0.092	0.49	<0.1	0.01	10.1	<0.1	1.89	8	2.2	0.3	0.151	
1963752	Drill Core			0.194	6	<1	1.78	69	0.077	3	2.10	0.083	0.49	<0.1	<0.01	10.9	0.1	1.68	8	2.1	0.2	0.128	0.242
1963753	Drill Core			0.215	5	<1	1.36	60	0.089	5	1.87	0.132	0.29	0.1	0.01	9.6	<0.1	1.81	7	1.0	0.4		

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 175-B
 Report Date: October 03, 2012

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CERTIFICATE OF ANALYSIS

SMI12000335.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963754	Drill Core	5.01	0.9	501.2	3.2	58	0.3	1.6	18.9	745	4.76	17.5	0.2	46.1	0.5	91	0.2	0.6	<0.1	169	2.27
1963755	Drill Core	4.93	3.8	459.1	2.7	47	0.3	1.6	26.0	660	4.62	14.3	0.2	53.6	0.5	77	0.1	0.5	<0.1	165	1.93
1963756	Drill Core	5.06	2.9	268.0	1.9	47	0.1	0.2	11.1	680	4.14	10.4	0.5	11.2	2.8	135	<0.1	0.5	<0.1	85	2.01
1963757	Drill Core	5.00	2.7	332.5	1.8	54	0.2	0.3	13.5	645	4.22	10.7	0.5	16.7	2.7	115	0.1	0.5	<0.1	83	1.51
1963758	Drill Core	4.29	1.9	114.3	1.9	48	<0.1	0.6	10.0	552	4.19	10.3	0.6	6.8	2.8	115	<0.1	0.5	<0.1	86	1.71
1963759	Drill Core	5.00	5.4	2628	8.2	77	1.5	1.9	37.3	829	5.43	18.4	0.2	141.1	0.7	143	0.3	0.3	<0.1	172	2.64
1963760	Drill Core	4.81	12.1	5167	4.2	191	3.3	1.6	33.3	1109	4.43	10.8	0.4	230.8	0.8	258	0.7	0.4	0.2	161	3.71
1963761	Drill Core	4.77	2.0	1910	3.6	106	1.1	1.8	28.8	995	5.62	17.7	0.2	107.6	0.8	177	0.3	0.4	<0.1	182	3.04
1963762	Drill Core	4.70	1.9	1439	5.5	88	0.9	2.0	22.7	848	4.90	19.6	0.2	69.6	0.7	108	0.3	0.4	<0.1	178	2.43
1963763	Drill Core	4.79	6.8	1171	3.4	91	0.7	1.9	22.1	962	4.98	17.1	0.2	63.7	0.9	153	0.2	0.3	<0.1	187	3.03
1963764	Drill Core	4.53	10.2	1125	2.5	90	0.8	2.1	30.8	1002	4.62	16.6	0.3	75.3	0.8	248	0.3	0.4	0.2	129	5.69
1963765	Drill Core	3.19	6.8	1856	4.2	72	1.0	2.3	62.0	812	5.35	14.4	0.3	148.7	1.0	93	0.2	0.5	0.2	150	2.74
1963766	Drill Core	3.28	4.8	1522	4.1	72	0.9	2.1	53.0	811	5.48	14.7	0.4	150.2	0.9	91	0.3	0.5	0.3	154	2.59
1963767	Drill Core	3.22	2.0	146.0	1.6	56	<0.1	0.3	11.7	601	4.44	8.3	0.7	25.7	3.1	110	<0.1	0.5	<0.1	80	1.80
1963768	Drill Core	3.48	2.3	248.7	1.4	64	<0.1	0.3	7.5	607	3.79	9.4	0.5	12.7	3.4	101	<0.1	0.5	<0.1	68	2.15
1963769	Drill Core	3.84	1.1	91.3	2.2	48	<0.1	5.2	14.9	656	4.41	17.4	0.4	11.8	1.8	71	<0.1	1.1	<0.1	135	2.25
1963770	Drill Core	4.99	0.6	33.4	1.9	57	<0.1	6.1	10.1	986	4.09	18.1	0.6	5.6	2.9	137	<0.1	1.9	<0.1	123	3.91
1963771	Drill Core	6.11	1.0	25.9	2.5	59	<0.1	5.4	11.0	978	4.26	17.4	0.5	10.3	3.0	120	<0.1	1.5	<0.1	127	3.67
1963772	Drill Core	3.44	1.8	549.8	2.1	76	0.3	4.9	15.4	998	4.97	14.3	0.3	38.2	1.5	79	0.1	0.8	<0.1	157	3.88
1963773	Drill Core	6.14	1.8	1344	2.6	87	0.8	2.1	24.2	885	5.06	15.6	0.2	97.3	0.4	113	0.3	0.8	<0.1	178	2.39
1963774	Drill Core	4.08	1.6	111.0	2.4	55	<0.1	2.4	6.2	565	3.00	5.5	0.3	15.5	1.2	111	<0.1	0.5	<0.1	64	1.69
1963775	Drill Core	3.84	2.0	2062	3.3	80	1.0	2.1	23.8	634	5.05	16.6	0.2	177.0	0.6	169	0.3	0.5	<0.1	171	2.64
1963776	Drill Core	5.20	4.1	2006	2.0	71	1.0	2.4	23.5	576	7.46	19.9	0.2	137.1	0.5	274	0.3	0.5	<0.1	158	4.40
1963777	Drill Core	5.04	4.8	1285	2.3	106	0.9	3.9	25.4	956	5.64	14.0	0.2	115.4	0.8	130	0.2	0.4	<0.1	180	2.76
1963778	Drill Core	4.40	1.7	82.1	1.7	77	<0.1	6.1	6.9	990	4.36	12.1	0.3	12.1	2.0	74	<0.1	0.6	<0.1	138	3.19
1963779	Drill Core	5.32	1.9	311.4	1.4	101	0.1	6.1	11.8	1126	4.51	13.3	0.4	12.9	2.7	85	<0.1	0.4	<0.1	107	2.72
1963780	Rock Pulp	0.09	245.4	4625	4.0	47	0.7	33.1	11.2	472	3.51	5.8	0.3	564.5	0.9	41	0.3	0.9	<0.1	62	0.82
1963781	Drill Core	5.12	5.8	891.7	1.7	111	0.8	5.4	20.3	1330	4.01	13.0	0.3	72.7	1.6	164	<0.1	0.6	<0.1	78	3.66
1963782	Drill Core	4.98	3.8	436.7	2.1	71	0.4	2.6	18.0	1035	4.81	15.0	0.2	72.3	0.7	120	<0.1	0.6	<0.1	185	2.94
1963783	Drill Core	4.16	11.1	1930	3.7	67	1.6	2.9	13.4	742	5.14	17.1	0.2	240.3	0.5	142	0.4	0.6	<0.1	199	2.18



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
1963754	Drill Core	0.207	4	<1	1.21	73	0.101	3	1.47	0.122	0.13	0.2	<0.01	8.0	<0.1	0.66	6	0.7	<0.2		
1963755	Drill Core	0.215	3	2	1.26	63	0.103	5	1.54	0.115	0.12	0.3	0.01	7.0	<0.1	0.82	6	0.7	<0.2		
1963756	Drill Core	0.216	9	<1	1.15	297	0.079	2	1.31	0.090	0.15	0.5	<0.01	5.0	<0.1	0.24	7	<0.5	<0.2		
1963757	Drill Core	0.242	10	1	1.20	181	0.064	2	1.43	0.070	0.17	0.3	<0.01	4.2	<0.1	0.56	7	0.6	<0.2		
1963758	Drill Core	0.224	9	<1	1.05	176	0.070	2	1.26	0.075	0.18	0.4	<0.01	4.1	<0.1	0.28	6	<0.5	<0.2		
1963759	Drill Core	0.197	4	1	1.65	58	0.137	3	1.96	0.112	0.18	0.4	0.02	8.7	<0.1	2.22	8	2.4	0.4	0.171	0.267
1963760	Drill Core	0.156	3	<1	1.67	44	0.205	2	1.90	0.064	0.47	0.3	0.03	9.4	0.2	3.59	7	4.2	0.8	0.304	0.553
1963761	Drill Core	0.198	3	1	1.93	59	0.169	4	2.10	0.104	0.23	0.2	0.01	8.3	<0.1	1.87	8	1.3	<0.2	0.138	
1963762	Drill Core	0.220	3	<1	1.53	44	0.134	3	1.69	0.117	0.16	0.3	0.01	8.3	<0.1	0.82	7	1.1	<0.2		
1963763	Drill Core	0.215	3	1	1.97	41	0.150	2	2.10	0.094	0.17	0.2	<0.01	10.0	<0.1	1.27	9	0.8	<0.2		
1963764	Drill Core	0.180	6	<1	1.60	72	0.064	6	2.08	0.047	0.24	0.3	0.03	6.5	<0.1	3.19	7	1.8	0.4		
1963765	Drill Core	0.195	7	1	1.73	65	0.068	3	2.05	0.076	0.17	0.2	0.02	8.9	<0.1	2.05	8	1.7	0.5	0.157	
1963766	Drill Core	0.204	7	<1	1.72	62	0.063	3	2.01	0.076	0.17	0.2	0.03	8.4	<0.1	1.95	8	1.8	0.4	0.139	
1963767	Drill Core	0.229	13	<1	1.21	260	0.022	2	1.53	0.077	0.19	<0.1	0.01	5.3	<0.1	0.34	9	<0.5	<0.2		
1963768	Drill Core	0.238	14	<1	1.12	237	0.009	3	1.41	0.069	0.16	<0.1	<0.01	4.8	<0.1	0.15	8	<0.5	<0.2		
1963769	Drill Core	0.128	6	2	1.23	35	0.118	6	1.50	0.112	0.11	0.2	0.01	9.7	<0.1	0.13	6	<0.5	<0.2		
1963770	Drill Core	0.120	11	2	1.13	130	0.045	5	1.10	0.126	0.09	0.1	0.01	13.5	<0.1	0.09	5	<0.5	<0.2		
1963771	Drill Core	0.124	10	3	0.87	269	0.054	6	1.23	0.090	0.12	0.2	0.02	14.1	<0.1	0.19	6	<0.5	<0.2		
1963772	Drill Core	0.134	5	1	1.21	142	0.078	4	1.75	0.088	0.19	0.3	<0.01	13.7	<0.1	0.26	8	0.6	<0.2		
1963773	Drill Core	0.215	3	<1	1.48	50	0.117	5	1.85	0.124	0.13	0.2	<0.01	9.0	<0.1	0.54	7	0.9	<0.2		
1963774	Drill Core	0.097	4	3	0.97	217	0.090	2	1.08	0.085	0.11	0.2	<0.01	3.6	<0.1	0.22	5	<0.5	<0.2		
1963775	Drill Core	0.207	3	<1	1.51	85	0.150	4	1.68	0.113	0.13	0.3	0.01	6.8	<0.1	1.48	7	1.3	<0.2	0.184	0.200
1963776	Drill Core	0.188	3	<1	1.41	57	0.144	3	1.62	0.097	0.13	0.4	<0.01	7.2	<0.1	3.02	7	1.2	0.2	0.159	0.197
1963777	Drill Core	0.174	3	1	1.75	56	0.148	3	2.02	0.123	0.14	0.3	<0.01	7.6	<0.1	1.33	7	1.3	0.2	0.114	
1963778	Drill Core	0.113	5	3	1.24	105	0.125	3	1.60	0.115	0.16	0.3	<0.01	7.9	<0.1	0.15	6	<0.5	<0.2		
1963779	Drill Core	0.129	4	4	1.35	139	0.114	2	1.88	0.108	0.15	0.3	<0.01	6.5	<0.1	0.53	7	<0.5	<0.2		
1963780	Rock Pulp	0.057	4	35	0.79	99	0.134	6	1.68	0.108	0.15	0.3	0.03	5.3	<0.1	0.60	5	0.6	<0.2	I.S.	0.456
1963781	Drill Core	0.133	3	3	1.38	101	0.106	3	2.05	0.063	0.16	0.6	0.02	4.9	<0.1	1.86	6	1.5	0.3		
1963782	Drill Core	0.163	3	1	1.08	100	0.126	5	1.50	0.127	0.19	0.3	0.01	7.5	<0.1	0.58	6	0.8	<0.2		
1963783	Drill Core	0.170	3	1	1.03	129	0.126	4	1.29	0.123	0.14	0.4	<0.01	5.6	<0.1	0.72	5	0.9	0.4	0.261	

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963784	Drill Core	5.18	7.0	848.1	2.5	75	0.8	2.9	13.0	879	4.53	16.9	0.2	137.3	0.5	191	0.2	0.5	<0.1	170	2.91
1963785	Drill Core	4.77	3.7	2028	2.7	88	1.5	3.7	16.8	1121	5.03	17.2	0.2	229.1	0.4	146	0.3	0.5	<0.1	179	3.26
1963786	Drill Core	4.93	29.8	1482	2.5	74	1.1	2.7	15.9	799	4.91	15.8	0.2	182.8	0.6	133	0.2	0.5	<0.1	199	2.24
1963787	Drill Core	4.56	12.2	3469	2.9	89	3.3	3.5	33.3	1047	5.87	22.6	0.1	825.8	0.8	137	0.2	0.9	0.2	184	2.14
1963788	Drill Core	5.04	5.7	870.2	3.2	73	0.8	2.0	18.4	988	4.70	21.9	0.3	139.3	0.5	152	0.3	4.9	<0.1	161	3.39
1963789	Drill Core	4.66	1.9	1104	2.4	63	0.7	1.7	18.0	874	4.58	17.8	0.2	261.0	0.6	124	0.2	0.7	0.1	171	2.87
1963790	Drill Core	4.66	2.0	1203	2.5	76	0.9	2.1	20.5	1062	4.57	11.9	0.2	192.5	0.8	136	0.3	0.7	<0.1	158	3.19
1963791	Drill Core	6.46	1.7	911.0	2.2	71	0.6	2.0	23.1	1049	4.50	15.2	0.2	93.1	0.7	148	0.2	1.7	0.1	135	4.36
1963792	Drill Core	2.99	2.9	82.7	2.3	38	<0.1	2.6	5.0	623	2.51	6.2	0.5	12.7	2.5	47	<0.1	1.3	<0.1	46	2.29
1963793	Drill Core	4.37	2.5	78.7	2.9	39	<0.1	2.5	4.0	694	2.63	5.6	0.6	11.5	2.9	80	<0.1	0.9	<0.1	55	2.12
1963794	Drill Core	5.18	3.1	1513	4.4	75	0.9	2.1	30.6	948	5.13	12.5	0.2	137.0	0.8	141	0.3	0.7	<0.1	169	2.69
1963795	Rock Pulp	0.10	66.1	6894	12.0	63	2.9	28.3	9.9	397	3.07	10.4	0.3	555.4	0.8	36	0.8	6.2	0.9	55	0.73
1963796	Drill Core	4.91	1.5	2714	3.8	75	1.4	1.6	21.7	824	4.59	7.4	0.3	292.2	1.0	140	0.3	0.6	<0.1	171	2.39
1963797	Drill Core	5.01	1.9	1894	3.1	63	1.0	2.9	27.0	966	5.63	18.2	0.2	396.9	0.8	125	0.2	1.8	0.1	182	3.66
1963798	Drill Core	5.20	1.4	2067	2.7	61	1.0	2.1	21.8	851	5.77	15.4	0.2	269.4	0.8	151	0.3	0.9	0.1	178	2.92
1963799	Drill Core	5.11	1.7	2704	1.3	52	1.0	1.8	23.6	836	6.03	12.0	0.1	220.0	0.6	143	<0.1	0.5	<0.1	179	2.92
1963800	Drill Core	4.72	11.3	1382	1.9	41	0.6	1.5	14.4	592	4.54	13.1	0.2	151.8	0.4	161	0.1	0.5	<0.1	175	2.55
1963801	Drill Core	4.65	3.6	1908	2.5	48	0.8	1.3	15.0	533	4.28	13.2	0.2	177.3	0.6	123	0.2	0.4	<0.1	169	2.21
1963802	Drill Core	5.07	2.5	1577	2.3	46	0.8	1.6	26.3	647	4.95	16.0	0.2	190.9	0.4	110	0.1	0.4	<0.1	184	2.26
1963803	Drill Core	4.56	2.9	3151	3.1	50	1.2	1.1	13.8	685	3.80	10.2	0.2	332.4	1.0	220	0.2	0.4	<0.1	145	3.44
1963804	Drill Core	4.96	2.3	3124	2.7	58	1.2	1.4	18.2	777	4.21	10.8	0.2	448.5	0.8	155	0.2	0.3	<0.1	171	3.16
1963805	Drill Core	4.23	1.6	1602	3.2	63	1.0	1.4	23.8	748	4.31	15.7	0.2	209.0	0.8	134	0.2	0.4	<0.1	148	3.05
1963806	Drill Core	3.79	12.1	1899	3.3	81	1.5	1.8	41.8	970	4.62	13.5	0.2	235.1	0.7	152	0.3	0.6	0.3	113	4.70
1963807	Drill Core	3.63	1.3	2082	3.7	73	1.2	2.0	41.0	930	5.01	14.8	0.3	307.5	0.7	78	0.2	0.6	0.1	162	3.04
1963808	Drill Core	5.25	1.4	186.5	4.1	38	0.2	3.1	17.4	543	3.04	8.8	0.7	20.3	3.4	81	0.1	0.6	<0.1	64	2.20
1963809	Drill Core	6.42	3.3	107.1	3.7	32	0.1	2.5	8.6	548	2.81	6.9	0.5	12.3	3.0	86	<0.1	0.5	<0.1	61	2.64
1963810	Rock	0.85	<0.1	1.2	<0.1	<1	<0.1	<0.1	0.4	24	0.05	0.7	1.0	<0.5	<0.1	3739	<0.1	<0.1	<0.1	<2	33.84
1963811	Drill Core	6.13	2.7	122.8	2.3	33	<0.1	5.2	9.2	559	4.15	13.4	0.6	19.4	3.2	18	<0.1	0.7	<0.1	134	2.05
1963812	Drill Core	5.11	2.0	89.5	2.2	27	<0.1	4.5	11.6	402	4.08	13.9	0.5	15.0	2.7	82	<0.1	0.9	<0.1	135	1.80
1963813	Drill Core	4.91	17.7	2041	2.4	41	0.8	2.3	25.5	531	4.09	14.6	0.3	205.4	1.5	152	<0.1	0.5	<0.1	146	2.57



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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: 175-B
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CERTIFICATE OF ANALYSIS

SMI12000335.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
1963784	Drill Core	0.174	3	2	1.15	135	0.122	4	1.42	0.118	0.14	0.4	<0.01	5.6	<0.1	1.07	6	0.7	<0.2	0.156	
1963785	Drill Core	0.166	3	6	1.45	117	0.138	4	1.61	0.110	0.13	0.4	0.01	10.1	<0.1	0.97	6	1.7	0.3	0.264	0.196
1963786	Drill Core	0.161	3	1	1.53	93	0.168	4	1.59	0.135	0.15	0.3	<0.01	9.4	<0.1	1.08	7	1.0	0.3	0.200	
1963787	Drill Core	0.179	4	1	1.84	74	0.191	5	1.96	0.120	0.19	0.3	0.33	13.0	<0.1	2.41	8	2.7	2.9	0.881	0.335
1963788	Drill Core	0.191	4	1	1.31	127	0.095	3	1.61	0.089	0.17	0.3	0.02	9.0	<0.1	1.05	6	1.1	0.4	0.143	
1963789	Drill Core	0.204	4	<1	1.36	116	0.129	5	1.58	0.110	0.17	0.3	0.09	9.2	<0.1	1.22	7	1.0	0.7	0.280	
1963790	Drill Core	0.202	4	<1	1.52	127	0.104	3	1.78	0.087	0.14	0.1	0.04	11.2	<0.1	1.10	7	1.2	0.4	0.203	
1963791	Drill Core	0.208	8	<1	0.88	144	0.030	5	1.73	0.098	0.27	0.2	0.08	10.8	<0.1	0.85	7	0.7	0.3		
1963792	Drill Core	0.101	11	3	0.42	101	0.005	5	1.13	0.105	0.23	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2		
1963793	Drill Core	0.097	10	3	0.76	278	0.051	4	1.24	0.099	0.16	0.1	0.01	4.2	<0.1	<0.05	7	<0.5	<0.2		
1963794	Drill Core	0.192	6	<1	1.77	103	0.107	4	1.86	0.113	0.22	0.1	0.13	11.8	<0.1	1.25	8	1.7	0.4	0.161	
1963795	Rock Pulp	0.051	3	42	0.70	84	0.112	4	1.45	0.091	0.13	2.3	0.06	4.3	<0.1	0.72	5	1.8	0.3	0.660	0.708
1963796	Drill Core	0.184	6	<1	1.95	155	0.121	4	1.87	0.125	0.26	<0.1	0.08	11.4	<0.1	0.95	8	1.5	0.2	0.311	0.266
1963797	Drill Core	0.177	7	<1	1.46	175	0.051	5	1.85	0.109	0.27	0.1	0.80	15.5	<0.1	0.83	7	1.8	0.7	0.445	
1963798	Drill Core	0.190	8	<1	1.82	145	0.073	3	2.20	0.118	0.42	0.1	0.23	11.9	<0.1	1.01	8	1.9	0.5	0.300	0.199
1963799	Drill Core	0.213	5	<1	2.05	46	0.073	4	2.35	0.110	0.39	0.1	0.22	9.5	<0.1	2.00	9	2.2	0.9	0.306	0.276
1963800	Drill Core	0.205	3	1	1.39	94	0.105	4	1.50	0.100	0.16	0.2	0.03	7.6	<0.1	0.84	6	1.2	0.3	0.179	
1963801	Drill Core	0.209	3	1	1.38	98	0.144	4	1.49	0.121	0.21	0.2	0.01	6.5	<0.1	0.95	6	1.6	0.3	0.216	
1963802	Drill Core	0.222	3	1	1.69	70	0.157	4	1.66	0.148	0.20	0.2	0.01	8.4	<0.1	1.48	6	1.3	0.6	0.240	
1963803	Drill Core	0.163	4	1	1.24	51	0.100	4	1.27	0.089	0.16	0.1	0.01	8.7	<0.1	1.64	6	2.5	0.4	0.426	0.320
1963804	Drill Core	0.182	5	<1	1.46	104	0.123	4	1.48	0.121	0.17	<0.1	<0.01	11.7	<0.1	1.01	7	3.2	0.2	0.517	0.321
1963805	Drill Core	0.194	4	<1	1.45	66	0.119	4	1.58	0.109	0.16	0.1	0.03	10.6	<0.1	1.87	7	2.3	1.2	0.207	
1963806	Drill Core	0.181	5	1	1.31	25	0.026	4	1.71	0.071	0.21	<0.1	0.02	7.6	<0.1	2.80	6	1.9	1.1	0.217	
1963807	Drill Core	0.196	5	<1	1.79	89	0.129	4	2.01	0.114	0.18	0.3	0.02	12.0	<0.1	1.58	8	1.7	0.5	0.273	0.215
1963808	Drill Core	0.104	12	3	0.73	255	0.055	3	1.13	0.108	0.14	0.1	<0.01	4.8	<0.1	0.37	7	<0.5	<0.2		
1963809	Drill Core	0.097	12	4	0.62	294	0.048	3	1.03	0.113	0.15	<0.1	<0.01	4.6	<0.1	0.19	6	<0.5	<0.2		
1963810	Rock	0.005	<1	<1	1.71	7	<0.001	<1	0.02	0.004	<0.01	<0.1	<0.01	0.1	<0.1	0.06	<1	<0.5	0.2		
1963811	Drill Core	0.133	6	3	1.02	67	0.110	5	1.35	0.165	0.14	0.2	0.01	7.6	<0.1	0.06	7	<0.5	<0.2		
1963812	Drill Core	0.120	4	3	0.88	87	0.129	5	1.26	0.172	0.13	0.3	0.02	4.9	<0.1	0.10	6	<0.5	<0.2		
1963813	Drill Core	0.152	5	2	1.39	71	0.126	3	1.47	0.124	0.15	0.2	0.03	9.0	<0.1	1.49	7	1.1	0.3	0.202	0.211

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1963814	Drill Core	3.08	4.6	422.0	4.0	36	0.3	2.2	43.8	418	3.35	9.1	0.5	133.2	1.9	126	0.2	0.5	0.1	81	1.42



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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
1963814	Drill Core	0.117	6	3	0.73	104	0.102	3	0.86	0.102	0.12	0.4	0.02	3.9	<0.1	1.06	5	0.6	0.2	0.138	



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QUALITY CONTROL REPORT

SMI12000335.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1963697	Drill Core	5.13	1.9	54.4	3.0	74	<0.1	5.7	9.6	1143	2.82	8.9	0.4	8.0	1.8	133	<0.1	3.1	<0.1	51	2.47
REP 1963697	QC		1.8	56.1	3.0	77	<0.1	5.7	9.7	1147	2.82	8.8	0.4	4.3	1.9	134	<0.1	3.0	<0.1	51	2.48
1963698	Drill Core	4.82	1.9	137.8	2.2	71	<0.1	6.6	7.7	1094	2.80	9.1	0.4	3.6	1.9	161	<0.1	2.1	<0.1	54	2.59
REP 1963698	QC		1.9	135.4	2.3	71	<0.1	6.4	7.8	1101	2.87	8.8	0.4	2.7	1.9	160	<0.1	2.0	<0.1	55	2.61
1963720	Rock Pulp	0.10	247.2	4695	5.2	48	0.7	32.6	10.8	493	3.72	6.1	0.3	507.0	1.1	45	<0.1	1.1	0.1	64	0.86
REP 1963720	QC																				
1963731	Drill Core	5.41	22.9	2145	2.4	91	1.1	7.3	29.8	1091	6.62	14.6	0.5	164.3	0.7	70	0.2	1.0	0.2	126	3.25
REP 1963731	QC																				
1963748	Drill Core	5.12	2.2	608.8	4.7	88	0.4	2.4	30.1	1371	5.42	21.7	0.2	68.8	0.8	280	0.3	0.9	0.2	136	4.28
REP 1963748	QC		2.1	614.3	4.8	91	0.4	3.0	29.7	1366	5.48	21.1	0.2	78.9	0.8	285	0.3	0.9	0.2	138	4.28
REP 1963760	QC		11.5	5352	4.4	198	3.5	2.0	34.2	1151	4.53	10.6	0.4	236.0	0.9	249	0.6	0.5	0.2	165	3.86
1963783	Drill Core	4.16	11.1	1930	3.7	67	1.6	2.9	13.4	742	5.14	17.1	0.2	240.3	0.5	142	0.4	0.6	<0.1	199	2.18
REP 1963783	QC		11.0	1932	3.7	67	1.6	2.9	13.6	740	5.01	17.2	0.2	272.2	0.5	141	0.3	0.5	<0.1	196	2.19
REP 1963794	QC																				
REP 1963794	QC		3.1	1521	4.4	77	0.9	1.9	30.0	944	5.12	12.6	0.2	145.0	0.8	135	0.3	0.7	<0.1	167	2.66
1963798	Drill Core	5.20	1.4	2067	2.7	61	1.0	2.1	21.8	851	5.77	15.4	0.2	269.4	0.8	151	0.3	0.9	0.1	178	2.92
REP 1963798	QC																				
1963799	Drill Core	5.11	1.7	2704	1.3	52	1.0	1.8	23.6	836	6.03	12.0	0.1	220.0	0.6	143	<0.1	0.5	<0.1	179	2.92
REP 1963799	QC		1.7	2651	1.2	50	1.0	1.5	22.9	812	5.91	12.0	0.2	246.6	0.6	139	0.1	0.4	<0.1	175	2.89
1963807	Drill Core	3.63	1.3	2082	3.7	73	1.2	2.0	41.0	930	5.01	14.8	0.3	307.5	0.7	78	0.2	0.6	0.1	162	3.04
REP 1963807	QC																				
1963814	Drill Core	3.08	4.6	422.0	4.0	36	0.3	2.2	43.8	418	3.35	9.1	0.5	133.2	1.9	126	0.2	0.5	0.1	81	1.42
REP 1963814	QC		4.7	423.1	4.4	39	0.3	2.0	42.4	418	3.36	9.3	0.5	147.0	2.0	129	0.2	0.6	<0.1	81	1.43
Core Reject Duplicates																					
1963726	Drill Core	4.41	1.6	117.5	3.0	46	0.1	4.2	5.5	874	3.27	8.6	0.6	7.7	1.8	104	0.1	1.4	<0.1	88	2.72
DUP 1963726	QC	<0.01	1.5	115.1	3.0	46	0.1	4.1	5.3	873	3.29	8.8	0.6	5.1	1.8	103	0.1	1.4	<0.1	87	2.82
1963760	Drill Core	4.81	12.1	5167	4.2	191	3.3	1.6	33.3	1109	4.43	10.8	0.4	230.8	0.8	258	0.7	0.4	0.2	161	3.71
DUP 1963760	QC	<0.01	10.3	5268	4.3	191	3.3	1.6	33.2	1134	4.61	11.1	0.3	267.6	0.9	261	0.6	0.5	0.1	163	3.78



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QUALITY CONTROL REPORT

SMI12000335.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
Pulp Duplicates																					
1963697	Drill Core	0.149	8	5	1.21	313	0.008	4	1.65	0.074	0.17	0.1	<0.01	2.8	<0.1	0.09	6	<0.5	<0.2		
REP 1963697	QC	0.143	8	5	1.22	315	0.008	3	1.67	0.074	0.17	<0.1	<0.01	3.1	<0.1	0.09	6	<0.5	<0.2		
1963698	Drill Core	0.145	8	5	1.14	407	0.006	3	1.52	0.073	0.17	<0.1	<0.01	3.3	<0.1	0.19	6	<0.5	<0.2		
REP 1963698	QC	0.146	8	5	1.14	402	0.006	3	1.53	0.072	0.17	0.1	<0.01	3.3	<0.1	0.19	6	<0.5	<0.2		
1963720	Rock Pulp	0.063	4	37	0.82	112	0.140	7	1.66	0.101	0.14	0.3	0.04	5.2	<0.1	0.63	5	0.9	<0.2	0.575	0.461
REP 1963720	QC																			0.528	
1963731	Drill Core	0.135	11	11	1.07	32	0.018	3	1.76	0.086	0.22	0.1	0.02	10.2	<0.1	2.50	9	4.7	0.3	0.198	0.211
REP 1963731	QC																				0.209
1963748	Drill Core	0.174	9	1	1.57	52	0.015	4	1.61	0.107	0.22	0.1	0.03	10.2	<0.1	1.76	7	1.6	0.3		
REP 1963748	QC	0.180	9	1	1.56	58	0.015	4	1.62	0.107	0.23	<0.1	0.02	11.0	<0.1	1.79	7	1.6	0.3		
REP 1963760	QC	0.161	3	<1	1.73	55	0.210	2	1.96	0.065	0.47	0.4	0.03	9.7	0.2	3.76	7	3.8	0.6		
1963783	Drill Core	0.170	3	1	1.03	129	0.126	4	1.29	0.123	0.14	0.4	<0.01	5.6	<0.1	0.72	5	0.9	0.4	0.261	
REP 1963783	QC	0.170	3	1	1.04	124	0.125	5	1.29	0.124	0.14	0.4	0.01	5.6	<0.1	0.71	5	1.0	0.3		
REP 1963794	QC																				0.160
REP 1963794	QC	0.188	6	1	1.76	94	0.104	3	1.84	0.112	0.22	0.2	0.13	11.5	<0.1	1.24	8	1.6	0.4		
1963798	Drill Core	0.190	8	<1	1.82	145	0.073	3	2.20	0.118	0.42	0.1	0.23	11.9	<0.1	1.01	8	1.9	0.5	0.300	0.199
REP 1963798	QC																				0.204
1963799	Drill Core	0.213	5	<1	2.05	46	0.073	4	2.35	0.110	0.39	0.1	0.22	9.5	<0.1	2.00	9	2.2	0.9	0.306	0.276
REP 1963799	QC	0.210	5	<1	2.02	46	0.071	3	2.31	0.109	0.38	0.1	0.23	8.9	<0.1	1.97	9	2.1	0.8		
1963807	Drill Core	0.196	5	<1	1.79	89	0.129	4	2.01	0.114	0.18	0.3	0.02	12.0	<0.1	1.58	8	1.7	0.5	0.273	0.215
REP 1963807	QC																				0.289
1963814	Drill Core	0.117	6	3	0.73	104	0.102	3	0.86	0.102	0.12	0.4	0.02	3.9	<0.1	1.06	5	0.6	0.2	0.138	
REP 1963814	QC	0.112	6	3	0.74	106	0.103	4	0.86	0.102	0.12	0.3	0.02	3.8	<0.1	1.06	5	0.7	0.4		
Core Reject Duplicates																					
1963726	Drill Core	0.148	10	3	1.11	217	0.035	3	1.57	0.095	0.13	<0.1	<0.01	6.3	<0.1	<0.05	8	<0.5	<0.2		
DUP 1963726	QC	0.148	10	3	1.12	194	0.036	3	1.61	0.093	0.12	<0.1	<0.01	6.6	<0.1	<0.05	8	<0.5	<0.2		
1963760	Drill Core	0.156	3	<1	1.67	44	0.205	2	1.90	0.064	0.47	0.3	0.03	9.4	0.2	3.59	7	4.2	0.8	0.304	0.553
DUP 1963760	QC	0.162	3	<1	1.72	48	0.205	3	1.95	0.066	0.47	0.3	0.04	10.0	0.1	3.71	7	3.6	0.9	0.304	0.532



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QUALITY CONTROL REPORT

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		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1963794	Drill Core	5.18	3.1	1513	4.4	75	0.9	2.1	30.6	948	5.13	12.5	0.2	137.0	0.8	141	0.3	0.7	<0.1	169	2.69
DUP 1963794	QC	<0.01	2.9	1509	4.5	76	0.9	2.0	28.9	952	5.14	12.1	0.2	147.5	0.8	139	0.3	0.8	<0.1	173	2.64
Reference Materials																					
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD DS9	Standard		12.6	112.1	128.3	305	1.9	38.8	7.6	590	2.35	25.2	2.8	128.0	6.5	76	2.5	5.8	7.2	41	0.72
STD DS9	Standard		12.3	112.2	112.7	297	1.7	40.3	7.3	554	2.30	25.5	2.5	132.9	5.8	66	2.3	5.1	6.0	39	0.69
STD DS9	Standard		12.6	108.4	121.6	321	1.9	38.2	7.4	583	2.37	28.2	2.9	154.9	7.1	71	2.4	5.4	6.6	41	0.73
STD DS9	Standard		13.2	111.8	119.4	317	1.9	41.2	7.8	624	2.47	26.3	2.8	123.3	6.5	77	2.5	5.6	6.4	40	0.77
STD DS9	Standard		12.9	111.2	119.5	301	1.7	38.8	7.5	582	2.39	25.2	3.0	113.1	6.9	75	2.4	6.5	6.8	41	0.74
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201

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Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001
1963794	Drill Core	0.192	6	<1	1.77	103	0.107	4	1.86	0.113	0.22	0.1	0.13	11.8	<0.1	1.25	8	1.7	0.4	0.161	
DUP 1963794	QC	0.189	6	1	1.78	120	0.115	4	1.89	0.120	0.24	0.2	0.12	11.9	<0.1	1.19	8	1.3	0.3	0.149	
Reference Materials																					
STD CDN-ME-14A	Standard																				1.234
STD CDN-ME-9A	Standard																				0.645
STD CDN-ME-9A	Standard																				0.657
STD CDN-ME-14A	Standard																				1.250
STD CDN-ME-14A	Standard																				1.241
STD CDN-ME-9A	Standard																				0.643
STD CDN-ME-14A	Standard																				1.260
STD CDN-ME-9A	Standard																				0.639
STD CDN-ME-9A	Standard																				0.650
STD CDN-ME-14A	Standard																				1.260
STD DS9	Standard	0.083	13	120	0.62	300	0.116	3	0.97	0.089	0.41	3.3	0.22	2.4	5.5	0.17	4	4.8	5.4		
STD DS9	Standard	0.083	12	116	0.60	282	0.109	2	0.93	0.086	0.39	2.9	0.22	2.4	5.0	0.16	4	5.1	4.7		
STD DS9	Standard	0.090	13	118	0.62	296	0.115	2	0.95	0.082	0.40	2.9	0.21	2.5	5.7	0.17	5	5.0	5.1		
STD DS9	Standard	0.086	13	127	0.66	305	0.128	2	1.03	0.089	0.42	3.0	0.21	2.5	5.4	0.16	5	6.3	5.3		
STD DS9	Standard	0.086	14	119	0.62	307	0.117	3	0.95	0.083	0.40	3.1	0.19	2.5	5.3	0.16	4	6.2	5.0		
STD OXG99	Standard																				0.963
STD OXG99	Standard																				0.955
STD OXG99	Standard																				0.920
STD OXG99	Standard																				0.913
STD OXK94	Standard																				3.625
STD OXK94	Standard																				3.701
STD OXK94	Standard																				3.539
STD OXK94	Standard																				3.606
STD OXK94	Standard																				3.592
STD OXK94	Standard																				3.745
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02		

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
STD OXG99 Expected																						
STD OXK94 Expected																						
STD CDN-ME-9A Expected																						
STD CDN-ME-14A Expected																						
BLK	Blank		<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank																					
BLK	Blank		<0.1	0.7	<0.1	<1	<0.1	<0.1	<0.1	4	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	0.01	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1-SMI	Prep Blank	<0.01	0.1	3.1	3.1	43	<0.1	2.2	3.6	529	1.87	0.5	1.5	2.7	6.0	57	<0.1	<0.1	0.1	34	0.47	
G1-SMI	Prep Blank	<0.01	0.1	2.2	3.1	43	<0.1	1.8	3.6	566	1.87	<0.5	1.8	0.8	5.7	56	<0.1	<0.1	<0.1	35	0.44	



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6	7AR		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	Cu	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	%	
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.005	0.001	
STD OXG99 Expected																				0.932		
STD OXK94 Expected																					3.562	
STD CDN-ME-9A Expected																						0.654
STD CDN-ME-14A Expected																						1.221
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																				<0.005	
BLK	Blank																				<0.005	
BLK	Blank																				<0.005	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																				<0.001	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																				<0.005	
BLK	Blank																				<0.005	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																				<0.005	
BLK	Blank																				<0.001	
BLK	Blank																				<0.001	
BLK	Blank																				<0.005	
BLK	Blank																				<0.005	
BLK	Blank																				<0.005	
BLK	Blank																				<0.001	
Prep Wash																						
G1-SMI	Prep Blank	0.074	11	6	0.48	148	0.116	2	0.84	0.075	0.45	<0.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2			
G1-SMI	Prep Blank	0.077	11	4	0.48	168	0.111	2	0.85	0.074	0.46	<0.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2			

Appendix F – Drill Logs

Kwanika Drilling 2012
K-12-174 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-174	0.00	78.27	78.27	Overburden	OVB	1
K-12-174	78.27	78.65	0.38	Andesite.Fine to medium grained equigranular, dark grey-green. Mod chlorite-mt alteration assemblage with intervals of overprinting (?) weak to mod potassic alteration (ep-kspar-mt) mainly confined to structure selvages (distal?) and patchy selective replacement introduced along magnetite veinlets, up to 2% Cpy in selvages. Breakage is moderate with core intact but internal brecciation- infilled by carbonate and gypsum veins. Gypsum is late and cross cuts all struct. Some hematite present on fractures- tourmaline also present occasionally. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands every avge 2m with chalcopy present.Cpy also present in blebs-struct related (?). Magnetite?	AND	3
K-12-174	78.65	83.30	4.65	Monzonite dike- pink colour, siliceous with underlying potassic alteration, primary textures obscured with only occ remnant phenos evident and replaced by epidote, chlorite +pyrite. Brittle fracturing throughout with carbonate fill. Hematite specks and on fractures.	MZD	9A
K-12-174	83.30	108.45	25.15	Andesite.Fine grained equigranular, dark grey-green. Mod chlorite-mt alteration assemblage with intervals of overprinting (?) weak to mod potassic alteration (ep-kspar-mt) mainly confined to structure selvages (distal?) and patchy selective replacement introduced along magnetite veinlets, up to 2% Cpy in selvages. Breakage is moderate with core intact but internal brecciation- infilled by carbonate and gypsum veins. Gypsum is late and cross cuts all struct- often with magnetite along margins. Some hematite present on fractures- tourmaline also present occasionally. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands every avge 2m with chalcopy present.Cpy also present in blebs-struct related (?) e.g @ 90m. Weakly magnetic. Base 2cm quartz mt veins with mt/ky symmetrical center line.	DIO	15
K-12-174	108.45	129.72	21.27	Monzodiorite dike- barren looking- medium grained, equigranular monzodiorite. Pink colour, hard with underlying potassic alteration, porphyritic phenos evident and replaced by epidote, chlorite +pyrite. Brittle fracturing throughout with carbonate fill. Hematite specks and on fractures. Possible chilled margin on lwr contact.	MZDD	21A
K-12-174	129.72	137.60	7.88	Diorite.Fine to medium grained equigranular intrusive, dark grey-green. Mod chlorite-mt alteration assemblage with intervals of overprinting (?) weak to mod potassic alteration (ep-kspar-mt) mainly confined to structure selvages (distal?) and patchy selective replacement introduced along magnetite veinlets, up to 2% Cpy in selvages. Breakage is moderate with core intact but internal brecciation- infilled by carbonate and gypsum veins. Gypsum-carbonate veining is late and cross cuts all struct. Some hematite present on fractures- tourmaline also present occasionally. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands every avge 2m with chalcopy present.Cpy also present in blebs-struct related (?). Weakly magnetic. Lower 1m brecciated at contact with some clay alteration- shear zone.	DIO	15
K-12-174	137.60	139.06	1.46	Monzonite dike- sharp contacts. Pink colour, siliceous with underlying potassic alteration, primary textures obscured with only occ remnant phenos evident and replaced by epidote, chlorite +pyrite. Brittle fracturing throughout with carbonate fill. Hematite specks and on fractures.	MZD	9A
K-12-174	139.06	145.45	6.39	Andesite.Fine to medium grained volcanic, dark grey-green. Mod chlorite-mt alteration assemblage with intervals of overprinting (?) weak to mod potassic alteration (ep-kspar-mt) mainly confined to structure selvages (distal?) and patchy selective replacement introduced along magnetite veinlets, up to 2% Cpy in selvages. Breakage is moderate with core intact but internal brecciation- infilled by carbonate and gypsum veins. Gypsum is late and cross cuts all struct. Increase in hematite present on fractures- tourmaline also present with assoc. sulphides. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands every avge 2m with chalcopy present.Cpy also present in blebs-struct related in anhydrite veins with py-cpy on selvages and black chlorite (e.g. 140-141m). Weakly magnetic. At contact some sheraing and fault gouge, 50deg.	AND	3
K-12-174	145.45	147.20	1.75	Minor structural zone- 90degs to CA. Same unit as above but bleached and argillic altered, with possible monzonite dike fragments from 145.8-146.2m.	AND	3
K-12-174	147.20	168.90	21.70	Diorite-Andesite.Fine to medium grained equigranular intrusive/takla volcanic package, dark grey-green. Mod chlorite-mt alteration assemblage with intervals of overprinting (?) weak to mod potassic alteration (ep-kspar-mt) mainly confined to structure selvages (distal?) and patchy selective replacement introduced along magnetite veinlets, up to 2% Cpy in selvages. Breakage is moderate with core intact but internal brecciation- infilled by carbonate and gypsum veins. Gypsum is late and cross cuts all struct. Increase in hematite present on fractures- tourmaline also present with assoc. sulphides.*Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands every avge 2m with chalcopy present- higher py-cpy ratio. Mod magnetic away from bleached zones. *Magnetite veins from 147.2-153, cpy bleb at 152.3m.	DIO/AND	15/3
K-12-174	168.90	170.00	1.10	Hydrothermal zone,potassic altered zone of 10cm array of monzonite veins-dikes. Associated black chlorite on selvage with 20% pyrite. Occasional magnetite veins. Stronger hematite- possible hm staining zone.	BRX	17

Kwanika Drilling 2012
K-12-174 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-174	170.00	174.00	4.00	Diorite. Fine to medium grained equigranular, dark grey-green. assic alteration (ep-kspars-mt) mainly confined to structure selvages (distal?) and patchy selective replacement introduced along magnetite veinlets, up to 2% Cpy in selvages. Breakage is moderate with core intact but internal brecciation- infilled by carbonate and gypsum veins. Gypsum is late and cross cuts all struct. Increase in hematite present on fractures- tourmaline also present with assoc. sulphides. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands. Mod magnetic away from bleached zones. Magnetite veins occasional-poss late. Breccia from 173-174m, 15deg angle.	DIO	15
K-12-174	174.00	181.60	7.60	Andesitic volcanic- fine grained, dark grey diorite- weak chlorite-mt alteration with epidote stringers, these are also often assoc. with a narrow potassic selvage. Pyrite in concentrated bands and disseminations, up to 3-4%. Trace chpy dism. Gypsum veins are late and cross cuts all struct. 2cm Magnetite veins occasional-poss late.	AND	3
K-12-174	181.60	194.80	13.20	Diorite. Fine to medium grained equigranular, dark grey-green. Weak potassic alteration assemblage. Rare weak potassic-epidote selvages to narrow structures. Carbonate and gypsum veins. Gypsum is late and cross cuts all struct. Increase in hematite present on fractures- tourmaline also present with assoc. sulphides. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands. Mod magnetic away from bleached zones. Magnetite veins occasional-poss late. Upper contact runs along core axis over 1.3m marked by carbonate-gypsum veining, occ hematite vns.	DIO	15
K-12-174	194.80	198.30	3.50	Monzonite dike, pink potassic altered with patcy epidote selective replacement. Porphyritic texture evident through replacement of phenos with epidote, potassic alteration obscures main grdmass texture. Black chlorite veinlets with trace pyrite and cpy noted. Occasional magnetite veins. Late gypsum veins mm scale.	MZD	9A
K-12-174	198.30	211.00	12.70	Diorite. Fine to medium grained equigranular, dark grey-green. Weak potassic alteration assemblage. Rare weak potassic-epidote selvages to narrow structures. Carbonate (<1cm) and gypsum veins (2cm) some with 2-3% sulphides (e.g. 209.6m). Gypsum is late and cross cuts all struct. Increase in hematite present on fractures- tourmaline also present with assoc. sulphides. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands with blebs of cpy. Mod magnetic away from bleached zones. Magnetite veins occasional-poss late. Upper contact runs along core axis over 1.3m marked by carbonate-gypsum veining, occ hematite vns. 206.5m crackle brecciation	DIO	15
K-12-174	211.00	227.10	16.10	As above- Increase in hematite staining (+/- potassic alteration?) from 211m along selvages.	DIO	15
K-12-174	227.10	231.20	4.10	Strongly tectonised zone- shear zone. Brecciated felspar phyrlic (poss) dike and pink potassic monzonite. Pyrite bands up to 5% with calcite and gypsum veining, some qtz vn fragments. Overall interval is bleached and clay altered with some remnant potassic altn in monzonite.	TBRX	17A
K-12-174	231.20	239.50	8.30	Andesite. Porphyritic andesite- feldspar-hblld phyrlic, groundmass pink-brown with black specks amphibole, fsp phenos- potassic altered, moderate. 3mm veins of pyrite, fg with trace hematite- weak epidote selvage. Weak carbonate-gypsum veins. Possible late unit due to lesser altn than surrounding units.	AND	3
K-12-174	239.50	242.40	2.90	Feldspar Porphyry Dike- no mineralization	FSP	13
K-12-174	242.40	252.40	10.00	Weakly phyllic interval of same unit with weak silica flooding in grdmass over 50cm. Increase in pyrite replacing mafic phenos, hematite veinlets also present.	AND	3
K-12-174	252.40	260.70	8.30	As above with more intense magnetite and cpy in stringers- some patchy hematite.	AND	3
K-12-174	260.70	279.90	19.20	Andesite/Diorite (brecciated). med-coarse grained porphyritic andesite (diorite?)- feldspar-hblld phyrlic, groundmass pink-brown with black specks amphibole, fsp phenos- potassic altered, moderate. 3mm veins of pyrite, fg with trace hematite stringers- weak epidote selvage. Weak carbonate-gypsum veins. 275.8-276.55m hematite rich brecciated interval-poss after magnetite.	DIO	15
K-12-174	279.90	281.85	1.95	Monzonite dike, pervasive potassic altered with patcy epidote selective replacement. Porphyritic texture evident through replacement of phenos with epidote, potassic alteration obscures main grdmass texture. Black chlorite veinlets with trace pyrite and cpy noted. Occasional magnetite veins. Late gypsum veins mm scale. Number of qtz-magnetite veins at 280m-mt on margin.	MZD	9A
K-12-174	281.85	292.75	10.90	Microdiorite- fine grained, dark grey diorite- predom. potassic alteration with weak chlorite alteration with epidote stringers, these are also often assoc. with a narrow potassic structures. Pyrite in concentrated bands and lesser in disseminations, up to 2%. **Some dark grey quartz veins**- some truncated. Gypsum veins are late and cross cutting. Alt style similar to that affecting andesite- poss synmineral dike. Patchy magnetite. Increased qtz-sulphide veins (1-2cm) 3-4 vns/m.	MD	15
K-12-174	292.75	294.10	1.35	Andesite-Basalt dike- fsp porphyritic with zoned feldspars, hbl replaced by epidote, rounded vesicules repl. by calcite. Grdmass potassic, dark brown biotite. Mod-strg magnetic. Trace py only	ANDK	3B

Kwanika Drilling 2012
K-12-174 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-174	294.10	298.20	4.10	Andesite (fsp-porph dike). Porphyritic andesite- feldspar-hblid phyrlic, groundmass pink-brown with black specks amphibole, fsp phenos- potassic altered, moderate. 3mm veins of pyrite, fg with trace hematite stringers- weak epidote selvage. Weak carbonate-gypsum veins. 275.8-276.55m hematite rich brecciated interval-poss after magnetite.	AND	3
K-12-174	298.20	299.80	1.60	Feldspar porphyry dike- contacts not well defined. Pervasive potassic altered with patchy epidote selective replacement. Porphyritic texture evident through replacement of phenos with epidote, potassic alteration obscures main grdmass texture. Black chlorite veinlets with trace pyrite and cpy noted. Occasional magnetite veins. Late gypsum veins mm scale.	FSP	13
K-12-174	299.80	346.20	46.40	Monzonite- highly variable alteration styles, often obscuring primary lithological textures making identification difficult. Alteration consists of underlying propylitic with an overprinting potassic (from 309.5m potassic dominates),weak sericite associated with fracturing. Shearing and brecciation throughout, chlorite-hematite along fracture selvages. Occasional irregular mm-scale grey qtz vns. Low amouts of pyrite mainly observed as veins with haem/chl, magnetite variable with some veinlets.	MON	9
K-12-174	346.20	347.30	1.10	Feldspar porphyry dike- potassic altered with mafic phenos replaced by epidote. Calcite veinlets. (monzonite dike?)	FSP	13
K-12-174	347.30	358.20	10.90	Monzonite- highly variable alteration styles, often obscuring primary lithological textures making identification difficult. Alteration consists of underlying propylitic with an overprinting potassic (from 309.5m potassic dominates),weak sericite associated with fracturing. Shearing and brecciation throughout, chlorite-hematite along fracture selvages. Occasional irregular mm-scale grey qtz vns. Low amouts of pyrite mainly observed as veins with haem/chl, magnetite variable with some veinlets.	MON	9
K-12-174	358.20	369.50	11.30	Andesite volcanics.Fine to medium grained equigranular, dark grey-green. Weak potassic alteration assemblage. Rare weak potassic-epidote selvages to narrow structures. Carbonate and gypsum veins. Gypsum is late and cross cuts all struct. Increase in hematite present on fractures- tourmaline also present with assoc. sulphides. Pyrite trace-2% disseminated with occasional 10-15% 2-3cm sulphide bands. Mod magnetic away from bleached zones. Magnetite veins occasional-poss late. Upper contact runs along core axis over 1.3m marked by carbonate-gypsum veining, occ hematite vns.	AND	3
K-12-174	369.50	378.80	9.30	Andesite with increased py-trace cpy+mt- highly variable alteration styles, often obscuring primary lithological textures making identification difficult. Alteration consists of underlying chlorite-mt with an overprinting potassic,weak sericite associated with fracturing. Shearing and brecciation throughout, chlorite-hematite along fracture selvages. Patchy stronger magnetite-structurally controlled veinlets. Occasional irregular mm-scale grey qtz vns-rare wider qz-py veins 6cm (eg 370m). Low amouts of pyrite mainly observed as veins with haem/chl, magnetite variable with some veinlets.	AND	3
K-12-174	378.80	381.00	2.20	Poss Monzonite dike- contacts well defined 80 and 60degs. Pervasive potassic alteration with patcy epidote selective replacement. Porphyritic texture evident through replacement of phenos with epidote, potassic alteration obscures main grdmass texture. Black chlorite veinlets with trace pyrite and cpy noted. Occasional magnetite veins. Late gypsum veins mm scale.	MZD	9A
K-12-174	381.00	419.50	38.50	Andesite-microdiorite. Dark grey, fine-med grained equigranular diorite with moderate to increased chlorite-magnetite alteration, with wk to mod narrow zones of potassic alteration as epidote-mt selvages, moderately magnetic. Fine grained chalcocopyrite present as disseminations (0.5%). Pyrite can be up to 3-4% in clots.	AND	3
K-12-174	419.50	422.20	2.70	Monzonite porphyry. Highly variable alteration styles, often obscuring primary lithological textures making identification difficult- porphyritic textures often visible. Alteration consists of underlying propylitic with an overprinting potassic,weak sericite associated with fracturing. Shearing and brecciation throughout, chlorite-hematite along fracture selvages. Patchy magnetite-structurally controlled veinlets. Low amouts of pyrite mainly observed as veins with haem/chl, magnetite variable with some veinlets.	MON	9
K-12-174	422.20	424.00	1.80	Feldspar porphyritic dike- potassic altered with mafic phenos replaced by epidote. Calcite veinlets. Weakly siliceous.	FSP	13
K-12-174	424.00	448.65	24.65	Monzonite. Highly variable alteration styles, often obscuring primary lithological textures making identification difficult- porphyritic textures often visible. Alteration consists of underlying propylitic with an overprinting potassic,weak sericite associated with fracturing. Shearing and brecciation throughout, chlorite-hematite along fracture selvages. Patchy magnetite-structurally controlled veinlets. Low amouts of pyrite mainly observed as veins with haem/chl, magnetite variable with some veinlets.	MON	9
K-12-174	448.65	455.40	6.75	Diorite. Dark grey, fine-med grained equigranular diorite with moderate chlorite-magnetite alteration, with narrow zones of potassic alteration as selvages, moderately magnetic. Tectonised, possibly part of unit below.	DIO	15

Kwanika Drilling 2012
K-12-174 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-174	455.40	459.20	3.80	Diorite-Monzonite Breccia, tectonised and altered shear zone- possibly marginal, looks baked. Variable clast sizes, predominantly rounded with rock flour matrix, argillic clays and fe-carb, ankarite, gypsum and cpy. Possible monzonite dike w/in diorite. Fragments potasically and propylitically altered. Note cpy at 453m.	MONBRX	9B
K-12-174	459.20	465.40	6.20	Diorite Breccia. Variable clast sizes, predominantly rounded with rock flour matrix, argillic clays and fe-carb. Fragments propylitically altered- Some hematite staining on structures. Calcite-gypsum veins, rare quartz veins up to 3m wide.	DIOBX	15A
K-12-174	465.40	478.50	13.10	Hematite-sericite matrix breccia -purple/red stained clay matrix to rounded fragments of variable clast size. Monzonitic fragments and pale green, sericitised (?) frags. Weak magnetic, low amounts of sulphides.	HMBX	17B
K-12-174	478.50	485.50	7.00	Andesite- sericite altered (phyllic?), pyrite fine grained disseminations 5-7%, trace cpy. Late calcite veining, weak kspar selvages. Non magnetic.	AND	3
K-12-174	485.50	502.00	16.50	Feldspar Porphyry. Weakly altered medium grained equigranular porphyry. Alteration is weak biotite in grdmass with epidote selectively replacing fsp and chlorite +/- trace py replacing mafics. Weak to moderate magnetism- repl mafics and stringers.	FSP	13
		EOH				

Kwanika Drilling 2012
K-12-175 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-175	0.00	27.10	27.10	Overburden	OVV	1
K-12-175	27.10	41.00	13.90	Microdiorite. Dark green, fine grained strongly chloritized microdiorite- occasional mafic phenos distinguishable, mainly replaced by chlo-pyrite. Moderate to strongly magnetic, f.g. pyrite disseminations and clots, 2-4%. Calcite veining, and carbonate also present in grdmass. Rare quartz veins, often with carbonate fill in center line. Hematite common on fracture surfaces with clay.	MD	14
K-12-175	41.00	71.80	30.80	Diorite. Dark green, strongly chloritized, medium grained diorite- occasional mafic phenos distinguishable, mainly replaced by chlo-pyrite. Moderate to strongly magnetic, f.g. pyrite disseminations and clots, 2-4%. Calcite veining, and carbonate also present in grdmass. Occasional ca-ep-py veins, rare white glassy quartz veins, often with carbonate fill in center line. Hematite on fracture surfaces with clay.	DIO	15
K-12-175	71.80	78.55	6.75	Breccia. Mixed zone of brecciated diorite with monzonite fragments also present. Contact is tectonic with 1.5 of non-cemented fragments with argillic-carbonate gouge matrix with some silica flooding occasional pyrite-ca veins, occasional bands of hematite also present, structural angle is 30degs.	DIOBX	15A
K-12-175	78.55	103.40	24.85	Monzonite porphyry dike. Moderately brecciated pink potassically altered monzonite. Medium grained, occasionally porphyritic- carbonate veining, gypsum veins and occasional quartz-sulphide veins-35degs- mainly pyrite bearing but one good chalcopy-qtz vn at 82.5m 4cm wide. Potassic alteration is strong and pervasive with intervals of chlorite altn, poss struct related and overprinting potassic, epidote clots replacing phenos- chlorite selvage on dike margins. Weakly magnetic in places.	MZD	9A
K-12-175	103.40	114.90	11.50	Andesite Package to 168.2m. Dark grey fine grained volcanic- strongly phyllic altered with sericite-qtz-pyrite- occasional mafic phenos distinguishable, mainly replaced by chlo-pyrite. Moderate to strongly magnetic, f.g. pyrite disseminations and clots, 2-4%. Calcite veining, and carbonate also present in grdmass. Weak to mod magnetic.	AND	3
K-12-175	114.90	115.75	0.85	Tectonic breccia of above unit with monzonite and diorite fragments.	TBRX	17A
K-12-175	115.75	137.70	21.95	Andesite as above. Light grey, silica-sericite alteration with abundant dism pyrite. Original lithology is a fine-med grained, equigranular (diorite?)- texture mainly obscured by siliceous-sericite-pyrite alteration. Pyrite veins frequent, with trace cpy. From 115.5 to 163m occ. 2cm grey py-qtz vns. Overall pyrite 5% dism with this increasing to 10% in veins. Dominant angle to core axis is 40degs.	AND	3
K-12-175	137.70	168.20	30.50	As above with brecciation and an increase in pyrite content. From 162.9-163.3m narrow monzonite dike. Chilled margin noted at 168.2m contact.	AND BRX	3A
K-12-175	168.20	187.90	19.70	Monzonite porphyry. Moderately brecciated pink potassically altered monzonite. Potassic altn is pervasive with kspar replacing fsp and epidote/chlorite replacing hbl. Medium grained, occasionally porphyritic- carbonate veining, gypsum veins and occasional quartz-sulphide veins-35degs- mainly pyrite bearing. Potassic alteration is strong and pervasive with intervals of chlorite altn, poss struct related and overprinting potassic. Weakly magnetic in places.	MONP	26
K-12-175	187.90	239.20	51.30	Medium grained porphyritic intrusive (diorite?)- different intrusion to above? Overall homogenous unit with little brecciation or veining, possible later intrusion. Main change is alteration- this unit is more chloite-epidote with epidote replacing fsp compared to strong potassic alteration within unit above. Possible diorite with more equigranular texture, magnetite sometimes hematite grains-poss primary? Mag-hem veinlets also present <1%. Low amounts of pyrite <1%, cpyrite not noted (?).	DIO	15
K-12-175	239.20	249.60	10.40	Possible intrusive contact- finer grain size unit with more strongly potassic alteration. Slightly more mafic-looking unit- monzodiorite (?). K-spar/biotite pervasive in grdmass with veinlets of py-mt-epidote. Pyrite up to 2% as disseminations and veinlets, cpy v rare. From 246m noted increased quartz veins- 2-3cm but rare. FG Cpy noted.	MZDIO	22
K-12-175	249.60	269.00	19.40	Microdiorite. Decrease in grainsize with similar alteration style- strong underlying potassic with epidote veinlets with a lighter pink kspar selvage. Dark green chlorite-magnetite altn veinlets seems to be overprinting potassic and an increase in pyrite is noted within this. Occasional thick quartz-py veins with sulphide-40degs, 10cm wide (eg. 245.15m).	MD	14
K-12-175	269.00	276.10	7.10	Monzodiorite dike- late, unmin. Potassically altered monzonite- pervasive texturally destructive with epidote replacing mafics. Variable alteration with some higher chl-mt-py intervals.	MZDD	21A
K-12-175	276.10	290.50	14.40	Monzodiorite dike. Medium grained porphyritic monzodiorite- potassically altered with remnant mafic phenocrysts, subhedral up to 10%. Epidote stringers with associated kspar selvage, hematite on fractures. Some localised brecciation- cemented often by hematite. Veins include calclie and gypsum with occasional pyrite veinlets <2%.	MZDD	21A
K-12-175	290.50	298.35	7.85	Microdiorite. Fine grained, dark green more strongly altered microdiorite- occasional epidote-ksp-py veinlets with alteration halo.	MD	14

Kwanika Drilling 2012
K-12-175 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-175	298.35	306.00	7.65	Monzodiorite. Medium grained porphyritic monzodiorite- strong potassic altn with remnant mafic phenocrysts, subhedral up to 10%. Epidote stringers with associated kspars selvage, patchy epidote spots. Hematite on fractures. Some localised brecciation- cemented often by hematite. From 304 brecciation increases with up to 4% pyrite, altn within breccia highly variable. Possible microdiorite dikes within this brecciated unit. Veins include calcite and gypsum with occasional pyrite veinlets <2%.	MZDIO	21
K-12-175	306.00	337.00	31.00	Microdiorite. More mafic unit than above- fine grained, equigranular- green chlorite-my-py altn, structurally controlled fracture fill of carbonate-ep-py and gypsum. Hematite clay on some fracture surfaces. *From 310m fg dism cpy in altered interval. At 320m qtz-py-tourm zone (higher Au?). At 328m hm-epidote +/- mt vns	MD	14
K-12-175	337.00	341.90	4.90	Feldspar porphyry dike. Fresher looking fsp porphyritic, medium grained phenos up to 2mm. Weak chlo-ep altn, trace py with 1% magnetite, magnetic unit. Ca and epidote mm-scale veining only.	FSP	13
K-12-175	341.90	348.00	6.10	Monzonite dike. Pink, potassically altered monzonite with patchy epidote replacement of mafics. Low amounts of sulphides- v fine calcite veinlets. (grade?)	MZD	9A
K-12-175	348.00	362.70	14.70	Microdiorite. More fine grained, mafic unit than above- phyllic altered. Fine grained, equigranular- green biotite, chlorite-mt-py altn, good cpy-mt-py minz (avge 0.35% Cu?)- good example green biotite selvage on cpy minz. Structurally controlled fracture fill of carbonate-ep-py and gypsum. Hematite clay on some fracture surfaces. Occasional quartz-pyrite veins. Sheared from 359.4-359.8m, 50degs.	MD	14
K-12-175	362.70	365.50	2.80	Monzonite dike. Pink, potassically altered monzonite with patchy epidote replacement of mafics. Low amounts of sulphides- v fine calcite veinlets.	MZD	9A
K-12-175	365.50	368.00	2.50	Feldspar porphyry dike. Fresher looking fsp porphyritic, medium grained phenos up to 2mm. Weak chlo-ep altn, trace py with 1% magnetite, magnetic unit. Ca and epidote mm-scale veining only.	FSP	13
K-12-175	368.00	370.65	2.65	Monzodiorite dike. Med to coarse grained porphyritic. Potassic altered.	MZDD	21A
K-12-175	370.65	374.45	3.80	**Microdiorite-Dike?. Same as from 348m mineralized zone- Fine-medium grained, diorite-chlorite-epidote alteration, alteration weak to moderate, epidote stringers with selvage. Fine grained disseminated py-cpy, also cpy blebs w/in fine stringers of carbonate-epidote. ***Cpy minz.	MDDK	14A
K-12-175	374.45	377.35	2.90	Monzonite. Pink, potassically altered monzonite with patchy epidote replacement of mafics. Low amounts of sulphides- v fine calcite veinlets.	MON	9
K-12-175	377.35	409.60	32.25	Microdiorite**. Fine grained, dark green chlorite-epidote weakly altered microdiorite- patchy weak potassic alteration. Ocasional epidote-chlorite-py veinlets with strong alteration halo. Most notable for this unit is cpy mineralization and thick up to 40cm bands of quartz-albite-magnetite veins/breccia zones- with often high grade cpy minz from 377-381m. These are mostly 90degs to CA, with little or no alteration halo associated with them.	MD	14
K-12-175	409.60	412.85	3.25	Monzonite dike. Pink, potassically altered monzonite with patchy epidote replacement of mafics. Low amounts of sulphides- v fine calcite veinlets.	MZD	9A
K-12-175	412.85	436.50	23.65	Microdiorite**. Fine grained, dark green chlorite-epidote weakly altered microdiorite- patchy weak potassic alteration. Ocasional epidote-chlorite-py veinlets with strong alteration halo. Most notable for this unit is cpy mineralization although less than unit above.	MD	14
K-12-175	436.50	442.70	6.20	Monzonite. Pink, potassically altered monzonite with patchy epidote replacement of mafics. Low amounts of sulphides- v fine calcite veinlets.	MON	9
K-12-175	442.70	450.18	7.48	Microdiorite**. Fine grained, dark green chlorite-epidote weakly altered microdiorite- patchy weak potassic alteration. Ocasional epidote-chlorite-py veinlets with strong alteration halo. Most notable for this unit is cpy mineralization although less notable than unit from 377m.	MD	14

Kwanika Drilling 2012
K-12-176 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-176	0.00	39.00	39.00	Overburden	OVB	1
K-12-176	39.00	62.00	23.00	(1) Variable clast size breccia (conglomerate?) - polymict with clasts of fine grained volcanic, siliceous grey fragments and monzonite porphyry clasts, overall sub-rounded. At 53m mudstone fragment with epiclastic nature. From 59.50m clast composition predominantly monzonite. Core color is grey-green. Strong hematite staining from 62m, predominantly affecting matrix. Variability between clast supported and matrix supported breccia. From 60.11-61.15m haematite stained interval.	CGL	18
K-12-176	62.00	114.00	52.00	(2) Hematite-cemented breccia. As above with strong hematite alteration affecting mainly matrix. Core stained purple-red. Possibly indicative of supergene zone, marking cretaceous weathering event and base of re-worked conglomerate and upper contact of intrusion (scarp contact?).	CGL	18
K-12-176	114.00	159.50	45.50	(3) Monzodiorite breccia (sed basin frags and conglomerates?) - with green sericite-clay-carbonate alteration affecting matrix, secondary kspar on selvages. Porphyritic textures apparent by mafic phenos replaced by chlorite- pyrite disseminated in matrix between clasts 1-2%, moly also noted in this interval. Core bleached- more broken than unit above. Patches of tourmaline, in clasts- xenolithic appearance. Occasional black mineral/low-rank coal (?) seams at 159.50m (12cm) and 170m.	MZDIO	21
K-12-176	159.50	163.00	3.50	(1) Possible tectonic/unconformable contact at 159.5m with sheared clay zones- with repetition of sequence above: 1. mudstone frags within sheared fit zone, 2. haematite zone to 167m and pyrite-rich intrusive zone.	CGL	18
K-12-176	163.00	169.10	6.10	(2). Hematite staining only present from 163 to 169m.	CGL	18
K-12-176	169.10	170.30	1.20	Fsp porphyry (Andesite) dike. Sharp contact at 169.10m 20° - marked by a sheared contact with green sericite clay and brecciated dark grey, fine grained porphyritic dike. Sericite altered- moderately magnetic.	FSP	13
K-12-176	170.30	179.12	8.82	(3) Monzodiorite. Medium grained, weakly porphyritic diorite- dark green, chlorite/hydrothermal biotite-magnetite altered with pink potassic alteration occurring along selvages to hairline fractures infilled with calcite, hematite, chlorite. Disseminated f.g pyrite 2-4%. Moderately magnetic.	MZDIO	21
K-12-176	179.12	186.30	7.18	Monzonite. Medium to coarse grained porphyritic monzonite- pink potassic alteration with coarse kspar, quartz eyes also noted- relict patchy chlorite-actinolite-py-mt-hem altn replacing mafic phenos. Potassic altn overprinting this (?). Trace cpy <1%, disseminated and f.g. Occasional cm-scale sets of fine magnetite stringers- with hematite. Overall weakly magnetic unit.	MON	9
K-12-176	186.30	188.80	2.50	Microdiorite. Dark green, fine grained equigranular diorite with chlorite-pyrite-mt pervasive alteration. Sericite also moderate affecting groundmass.	MD	14
K-12-176	188.80	190.00	1.20	Monzonite Dike. Intruding into Microdiorite unit- sharp contacts. Porphyritic, pink monzonite with low amts of alteration. Fine carbonate-hematite stringers. (sample includes above unit)	MZD	9A
K-12-176	190.00	220.00	30.00	Microdiorite-hydrothermal breccia zone. **Brecciated microdiorite unit, bleached-buff coloured due to strong argillic clays and sericite- strongly variable interval. Underlying lithology is fine grained equigranular diorite with argillic-sericite pervasive alteration. Presence of quartz veining/flooding is notable- often irregular, truncated or fracture-fill. Some light grey 'epithermal style' banded silica (chalcedonic) veins (3-4% vol) around 212m, carbonate filled fractures, and occasional quartz-sulphide veins with diffuse margins and sulphide center line (1%). Localized stronger pyrite-trace cpy mineralization- often associated with red kspar, possible secondary copper minz (e.e. 200.25m) *Note presence of bornite throughout and 195-248m. From 210 hematite stain present.	MD	14
K-12-176	220.00	226.25	6.25	From *220m more strongly siliceous and brecciated, cpy-py content increases 2-3%. Hydrothermal brecciation with strong silica replacement-ankarite-sericite altn with tourmaline with sig minz- cpy-py-bornite. At 220.5m quartz veins with Moly-cpy-bn. At 221.59 good quartz-albite-moly-cpy vns.	BRX	17
K-12-176	226.25	232.00	5.75	Monzodiorite. Medium grained porphyritic intrusive, weak chlorite alteration in background with potassic/hematite stain (?) overprint structurally related along hematite-carbonate stringers. Banded chalcedonic veining- short truncated veinlets, fracture filling. Patchy hematite clots and veinlets. Pyrite stringers and disseminated- 2-3%. Bornite still present.	MZDIO	21
K-12-176	232.00	272.00	40.00	Microporphyritic feldspar porphyry. Weakly porphyritic, mainly equigranular, from 232m fsp laths noticeable. Overall variable unit with hydrothermal brecciation throughout. Weak chlorite altered-light green/grey colour, with patchy pink staining (kspar/hm?) on fracture selvages. Pyrite increases to 5% disseminated and in cm-thick pyrite veins. Banded chalcedonic veining- short truncated veinlets, fracture filling throughout. Patchy hematite clots and veinlets. Pyrite stringers and disseminated- 3-5%. Strong mineralization from 250m- 3m of 30% sulphide with cpy-hematite. From 261m a number of high angle calcite veins with fine hematite margins.	FSP	13
K-12-176	272.00	296.00	24.00	Lithologically similar unit to above with less hydrothermal brecciation and veining. Sulphide decreases to 3-4%. From 269-270m quartz-sulphide veins, in moderately sheared interval.	FSP	13

Kwanika Drilling 2012
K-12-176 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
K-12-176	296.00	297.79	1.79	Monzonite. Porphyritic, pink monzonite with low amts of alteration. Hematite-sericite-ca-gypsum alteration.	MON	9
		EOH				

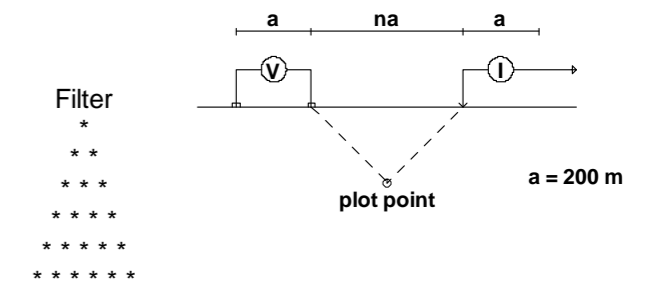
Kwanika Drilling 2012
KS-12-07 Drill Log

HOLE ID	FROM	TO	LENGTH	DESCRIPTION	GEOLOGICAL CODE	PRIM LITHO CODE
KS-12-07	0.00	50.83	50.83	Overburden	OVB	1
KS-12-07	50.83	63.24	12.41	Gabbro- Dark green mafic intrusive, coarse grained, 60-70% mafic composition- augite, feldspar- minor amts olivine. Moderately magnetic. Chlorite and carbonate pervasive in grdmass. Minor amounts of trace pyrite disseminated, 0.5-2%.	GAB	16
KS-12-07	63.24	103.80	40.56	Sediment. Interbedded grey and dark grey, fine to medium grained volcanogenic sediment and siltstone. Pyrite on fracture surfaces throughout with graphitic seams also noted-Rare trace cpy noted proximal to contact with intrusive. Sediments hardened and 'baked' proximal to contact with intrusive. Often broken ground. Fine mm carbonate veinlets 1%, random orientation.	SED	28
KS-12-07	103.80	106.80	3.00	Gabbro- Dark green mafic intrusive, coarse grained, 60-70% mafic composition- augite, feldspar- possible minor amts olivine. Chlorite and carbonate pervasive in grdmass. Minor amounts of trace pyrite disseminated, 0.5-2%.	GAB	16
KS-12-07	106.80	113.20	6.40	Sediment. Interbedded grey and dark grey, fine to medium grained volcanogenic sediment and siltstone. Pyrite on fracture surfaces throughout with graphitic seams also noted-often broken ground. Fine mm carbonate veinlets 1%, random orientation.	SED	28
KS-12-07	113.20	123.60	10.40	Gabbro- Dark green mafic intrusive, coarse grained, 60-70% mafic composition- augite, feldspar- possible minor amts olivine. Chlorite and carbonate pervasive in grdmass. Minor amounts of trace pyrite disseminated, 0.5-2%.	GAB	16
KS-12-07	123.60	127.40	3.80	Sediment. Interbedded grey and dark grey, fine to medium grained volcanogenic sediment and siltstone. Pyrite on fracture surfaces throughout and increasing with depth with graphitic seams also noted-Rare trace cpy noted proximal to contact with intrusive. Sediments hardened and 'baked' proximal to contact with intrusive. Often broken ground. Fine mm carbonate veinlets 1%, random orientation.	SED	28
KS-12-07	127.40	158.60	31.20	Gabbro- Dark green mafic intrusive, coarse grained, 60-70% mafic composition- augite, feldspar- possible minor amts olivine. Chlorite and carbonate pervasive in grdmass. Minor amounts of trace pyrite disseminated, 0.5-2%.	GAB	16
KS-12-07	158.60	221.58	62.98	Sediment. Interbedded grey and dark grey, fine to medium grained volcanogenic sediment and siltstone. Pyrite on fracture surfaces throughout with graphitic seams also noted-Rare trace cpy noted proximal to contact with intrusive. Sediments hardened and 'baked' proximal to contact with intrusive. Often broken ground. Fine mm carbonate veinlets 1%, random orientation.	SED	28
		EOH				

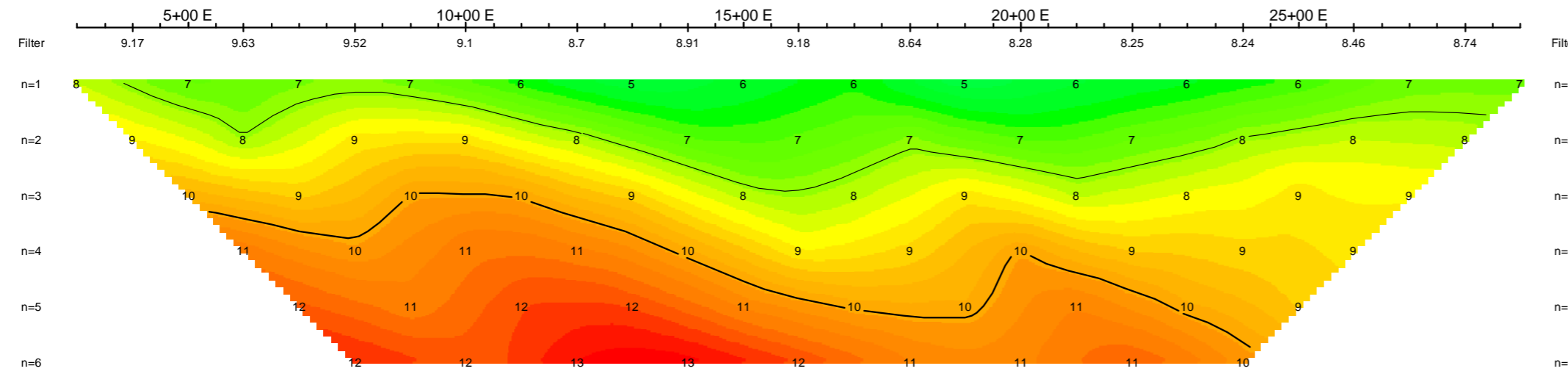
Appendix G - IP Section 800E

8+00 N

Dipole-Pole Array



IP_AVG
mV/V



IP_AVG
mV/V

Filter

n=1
n=2
n=3
n=4
n=5
n=6

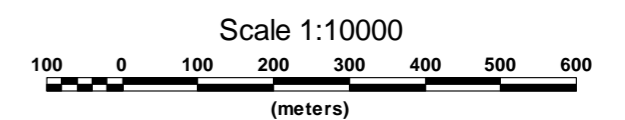
Instruments: HUNTEC MARK 4 Tx, GDD Rx, Elrec Pro

Frequency: 0.125 Hz.
Operators: J.C., T.K., M.M, A.C.

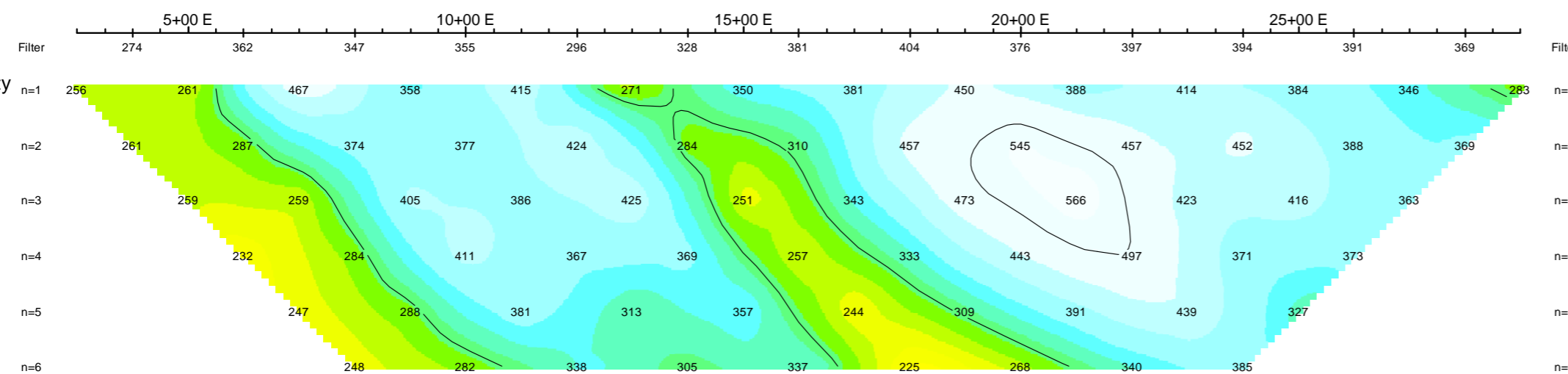
Logarithmic
Contours 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.



Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

Filter

n=1
n=2
n=3
n=4
n=5
n=6

SERENGETI RESOURCES INC.
INDUCED POLARIZATION SURVEY
KWANIKA PROJECT
FORT ST. JAMES AREA, BRITISH COLUMBIA
AUGUST 2011
Interpretation:
PETER E. WALCOTT & ASSOCIATES LIMITED