

BC Geological Survey
Assessment Report
33158



SERENGETI
RESOURCES INC.

ASSESSMENT REPORT
Geochemical Soil Sampling
at the
GERMANSEN PROPERTY

OMINECA MINING DIVISION,
British Columbia
NTS: 93N/055
Latitude 55°30' N, Longitude 125°7' W

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

By:
H.R. SAMSON,
B.Sc., P. Geo
18 April, 2012
Vancouver, B.C.

Table of Contents

List of Tables	1
List of Figures	1
List of Appendix.....	1
(1) Introduction.....	2
(2) Property Description and Location.....	2
(3) Accessibility, Local Resources, Infrastructure, Climate and Physiography	2
(4) History.....	5
(5) Geology	6
(6) Results and Discussion	10
(7) Summary and Recommendations.....	16
(8) References	17

List of Tables

Table 1 – Detailed Claim Information

List of Figures

Figure 1 – Property Location
Figure 2 – Germansen Property Claim Details
Figure 3 – Compilation of Historical Work and Target Areas
Figure 4 – Plan Map and Description of IP Anomalies
Figure 5 – 2009 MMI targets and IP Anomalies
Figure 6 – 2011 Soil Sample Locations
Figure 7 – Copper in Ah Soils Result Plot
Figure 8 – Gold in Ah Soils Result Plot
Figure 9 – Mo in Ah Soils Result Plot

List of Appendix

Appendix A - Expenditure Statement
Appendix B - Geologist's Certificate
Appendix C – Field Notes and Selected Element Assay Results
Appendix D – Maps of Sample Locations and Results
Appendix E – Analytical Certificates

(1) Introduction

Serengeti Resources Inc. (Serengeti) acquired the Germansen claims by staking in January of 2005. The property lies in the prospective Quesnel Trough, 75 km northwest of the Mt. Milligan deposit and 15 km east of the Kwanika deposit. In order to further refine Cu+/-Au porphyry targets on the property, Serengeti financed a \$15,313 geochemical reconnaissance program (Appendix A). From August 8th and 10th, 2011, a field crew working for Serengeti visited the Germansen property and collected 250 Ah horizon soil samples and 1 rock sample.

(2) Property Description and Location

The Germansen property is 100% owned by Serengeti Resources Inc. It is located in the Omineca Mining Division of north-central British Columbia, Canada, 135 km NNW of Fort St James, at 55° 31' north latitude and 125° 8' west longitude (Figure 1). The 2 contiguous mineral claims which comprise the Germansen property cover an area of 916 hectares (Figure 2). Additional information regarding the individual claims can be referenced in Table 1.

Table 1: Germansen Project Tenure Details

<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>
GERMANSEN	501129	GER	458.017	12-Jan-15	093N055	12-Jan-05	OMENICA
GERMANSEN	501190	GER 1	457.871	12-Jan-15	093N055	12-Jan-05	OMENICA
2 claims			915.888				

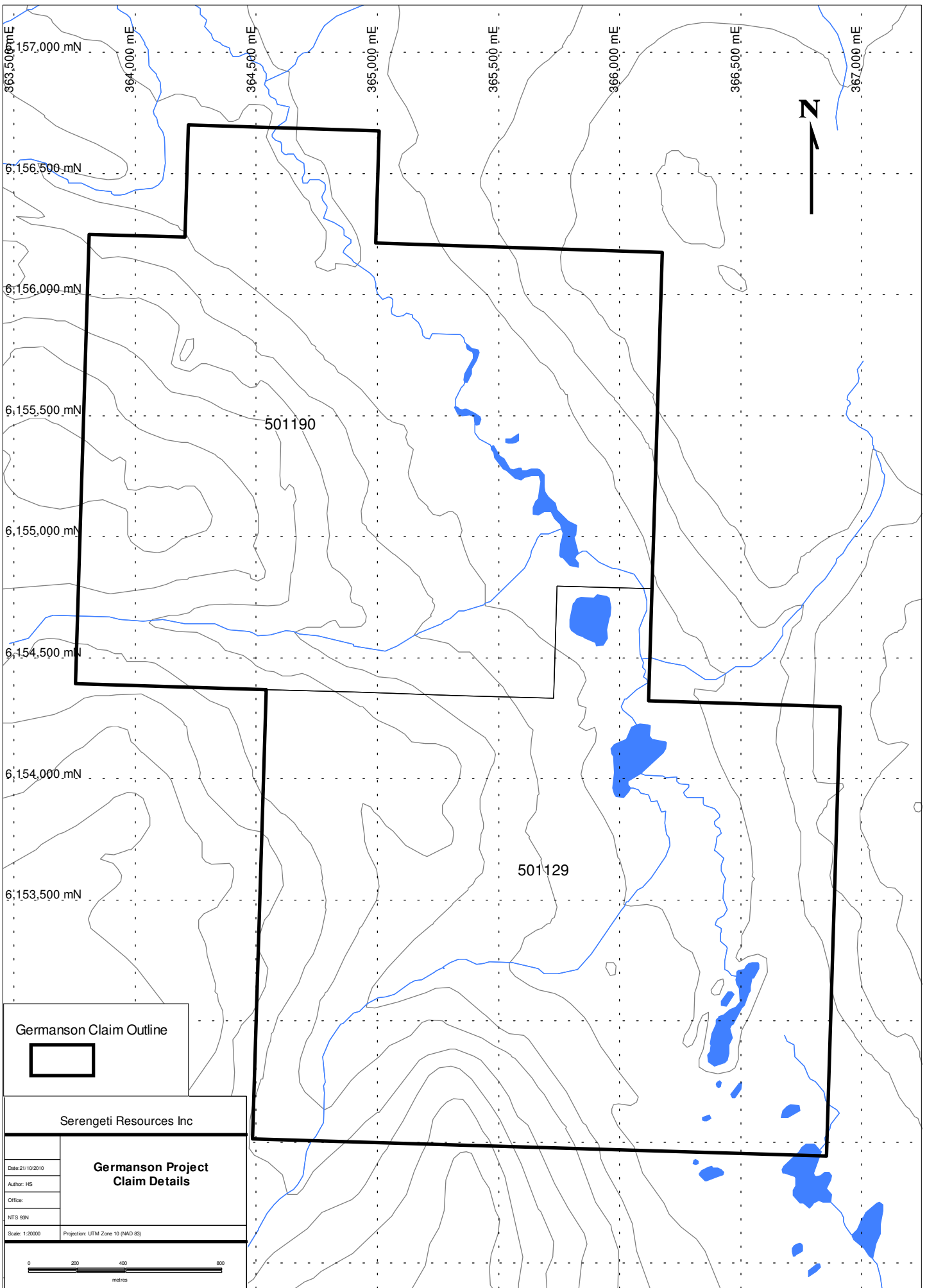
(3) Accessibility, Local Resources, Infrastructure, Climate and Physiography


The property is located approximately 80 km northwest of the Mt. Milligan deposit, owned by Terrane Metals and 15 km east of Serengeti's Kwanika deposit. Access to the Germansen property can be obtained via helicopter from Fort St James (135 km to the south) or from Kwanika Camp.

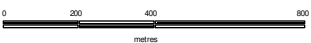
The climate of region is typical of middle latitudes in Canada as the winters are cold (-5 to -25 deg Celsius) and summers are warm (20-25 degrees Celsius). Precipitation is moderate as nearby Fort St James receives an average of 47.5 cm of precipitation per year. The property is mostly covered by glacial till, with gentle slopes, and elevations varying from about 1,250 m to 1700 m. It is everywhere forested except for meadows in the valleys and upland creeks. The vegetation on the property is best characterized by the presence of pine and fir forests with swampy grasslands occurring in low-lying areas.



Figure 1
Property Location Map



Germanson Claim Outline


Serengeti Resources Inc	
Germanson Project Claim Details	
Date: 21/10/2010	
Author: HS	
Office:	
NTS: 50N	
Scale: 1:20000	Projection: UTM Zone 10 (NAD 83)
 metres	

(4) History

Mineral exploration in the Omineca district began with placer gold prospecting as far back as 1869 and with copper exploration commencing in 1969. The first recorded exploration work in the area of the Germansen property was in 1972 when Noranda Exploration completed soil sampling and an induced polarization survey, presumably following up stream sediment anomalies (assessment reports 3856 and 3857). The Noranda work outlined a +3,500 m by +500 m copper soil anomaly, in part coincident with an IP chargeability anomaly, in a covered area.

In 1989, Westmin Resources acquired a large property, including the ground previously held by Noranda Exploration, and did an airborne magnetic/EM survey followed by stream sediment sampling, soil sampling, trenching and gradient IP surveys (assessment reports 19868, 20897, 21866, 22752 and 22757). This work identified three placer gold occurrences and extensive copper and gold soil anomalies in an essentially a glacial till cover area. Results of the trenching program were not recorded and no drilling has been done on the property.

Serengeti acquired the Germansen property by staking in January of 2005. At this time, Serengeti also acquired the Valleau property, located 2 km to the southeast. The two properties occur along a pronounced northwest trending, regional magnetic and stream geochemical anomaly. In 2005, Serengeti in conjunction with the GSC conducted some 530 line kilometres of heliborne magnetic and radiometric surveying, followed by the collection of 12 rock samples. In 2008, Serengeti financed a 6 line (10.6 line-km) IP and ground magnetic survey. The survey utilized 50 m 'a' spacing and identified three separate northwest trending chargeability +/- resistivity anomalies (see Figure 4 and AR29852).

In 2009, a total of 69 mobile metal ion (MMI) soil samples were collected from the Germansen property (AR31709). The following sections specifically regarding this work are taken from AR31706. Samples were collected along the lines that were used for the 2008 geophysical Induced Polarization (IP) survey. Results from the levelled MMI results at Germansen are shown in Figure 5. The levelled copper results show considerable enrichment in the valley floor and break in slope environments. Interpreted hydromorphic anomalies considered to have undergone lateral transport from their sources are annotated with the letter 'H'. These are considered to be false anomalies and therefore are not of direct interest as targets. Several features along the western margin of the grid are interpreted to have bedrock sources. Unfortunately the lines stop short of fully delineating them. They occur as high contrast peaks or double peaks at the western ends of the northern two and southernmost line. These features coincide with copper anomalies defined by historical B-horizon aqua regia soil results, as shown by the thick grey contours. Three linear zones (thick black lines) are identified as potential sources for the MMI and B-horizon copper. Their form suggests a stratigraphic source for the copper, such as a mafic volcanic or mafic intrusive unit. Copper anomalies have a relatively good correlation with a sulphide and magnetite anomaly (magenta line) interpreted from IP and magnetic data. Despite this, they are not considered to be strong targets but are very likely the source for the hydromorphic anomalies in the valley floor.

Similar peaks occur on the eastern ends of two of the lines. Again, the lines stop short of fully delineating the features. Anomalous chargeability and B-horizon Cu anomalies in those areas suggest similar features to those discussed above.

Gold shows quite a different pattern to copper. With the exception the western sample on Line 500N, which is coincident with the Cu anomaly, there is little correlation elsewhere. Highest gold response ratios occur in the valley floor on the southern-most lines, with maximum contrast occurring on line -1000N. Elevated gold occurs within a broad chargeability anomaly and has the form of an apical response. Care must be taken when interpreting these features as targets because the valley floor is most probably underlain by glacial sediments, which can have high gold contents as a result of placering. MMI is a weak leach but in other studies it has proven strong enough to dissolve particulate gold. Further investigation of the bedrock geology and Quaternary cover in this area is recommended before concluding that there are gold targets of merit.

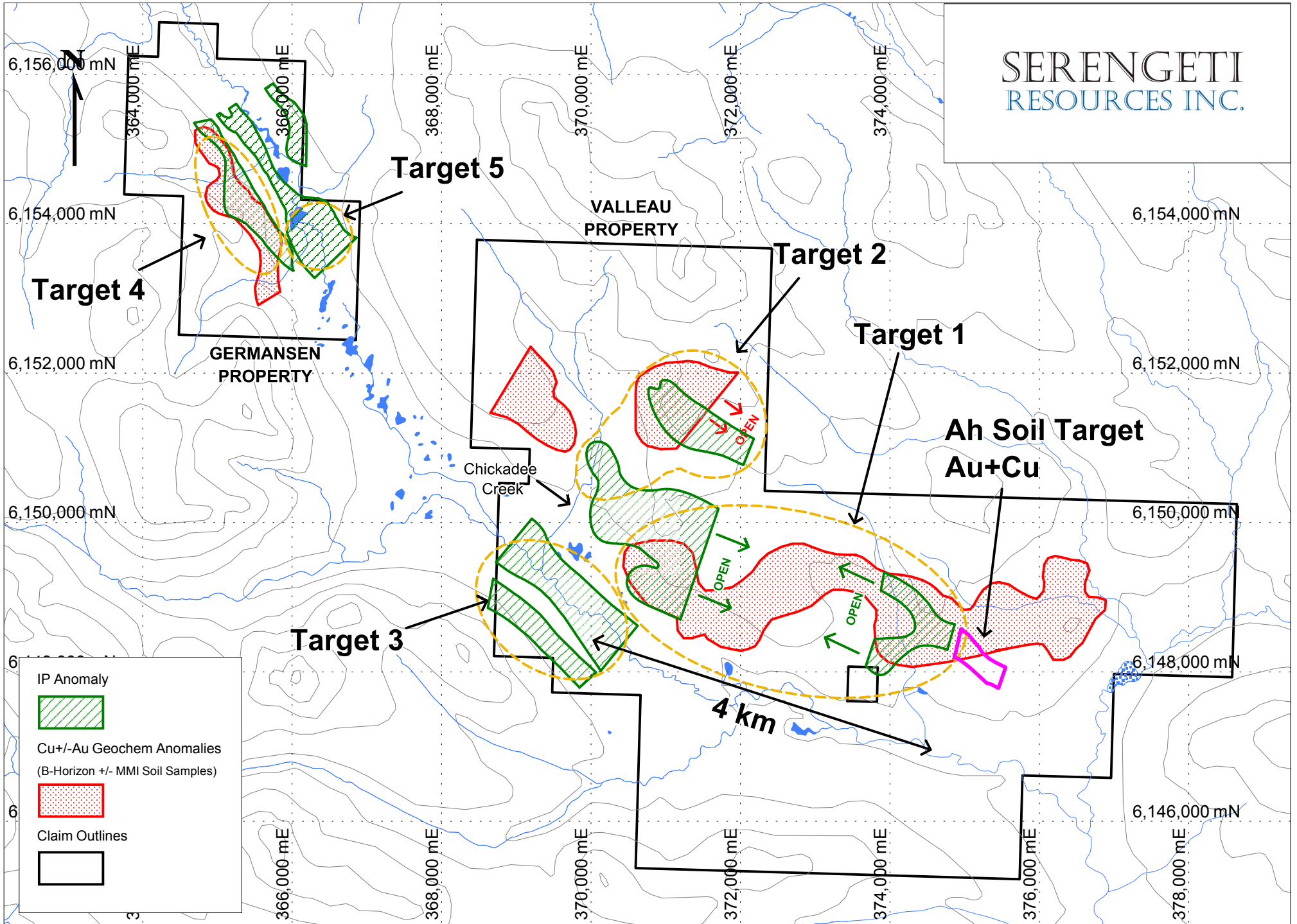
The results of all previous work on the Germansen property have identified two primary targets. Figure 3 shows a compilation map of targets on the Germansen-Valleau trend. Figure 4 shows the location of these target areas overlain on a plan map and description of the IP chargeability anomalies. The first Target (Target 4) is a +3,800 m by +600 m zone with copper soil anomalies. Copper values are typically in the 200 ppm to 1,000 ppm range but with a notable number of samples in the 2,000 ppm to 3,000 ppm range. Gold data are only available about one third of the grid, and show anomalous values, mostly in the range of 16 ppb to 120 ppb. These copper and gold anomalies are similar to the anomalies over the shallow till covered Mt. Milligan deposit (ie. 100 ppm to 300 ppm for copper and 20 ppb to 90 ppb for gold). The second target (Target 5) is defined by an IP anomaly measuring 1,000 m by 900 m occurring in the valley bottom to the east of Target 1. Low lying wet ground has hampered the effectiveness of past geochemical surveys in this attractive geophysical target area. Little to no outcrop exists in either of target areas as they are mainly covered by glacial till, with the exception of a small outcrop of propylitically altered diorite with pyrite and trace malachite which runs 530 ppm Cu on the northwestern edge of the largest and strongest copper soil anomaly.

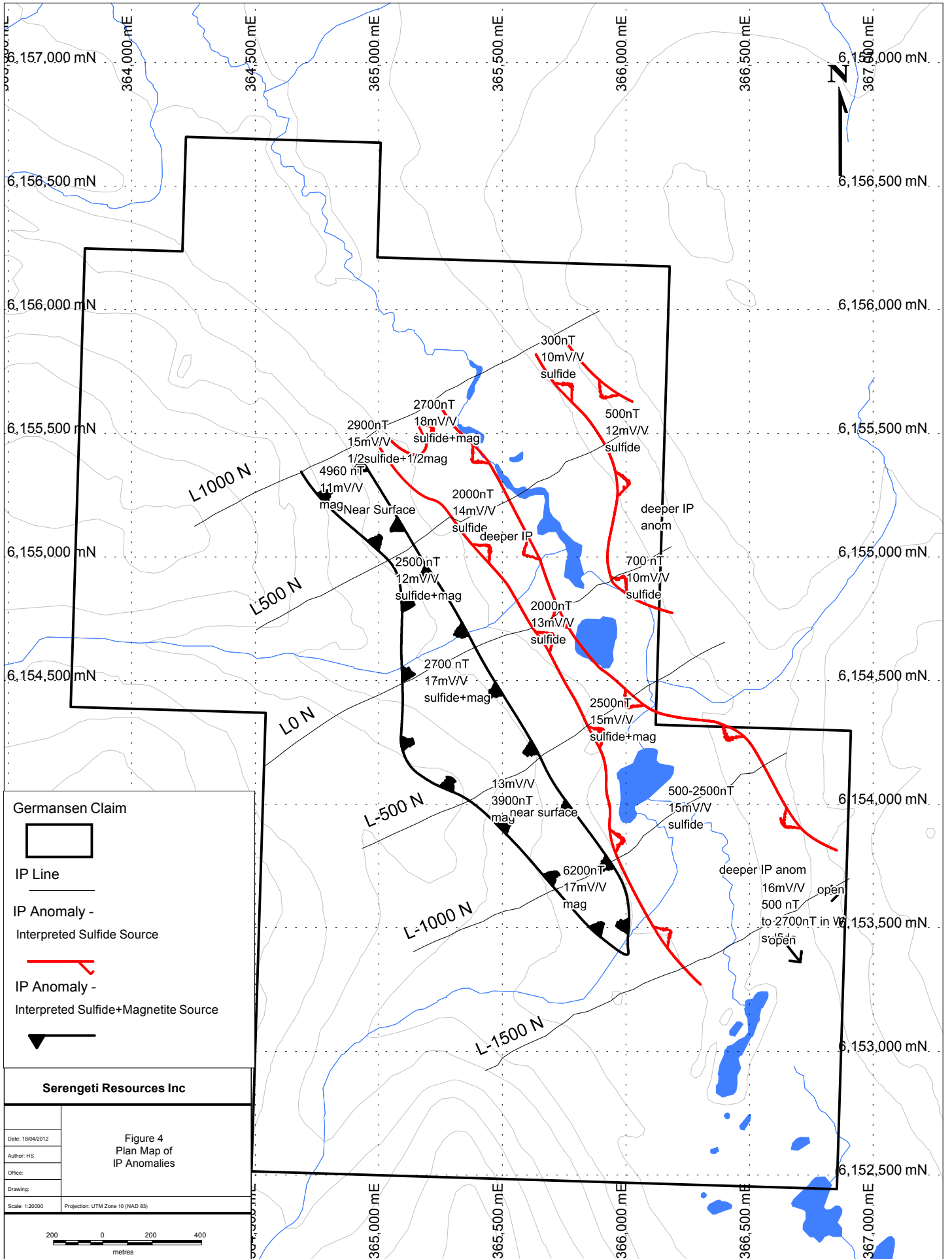
(5) Geology

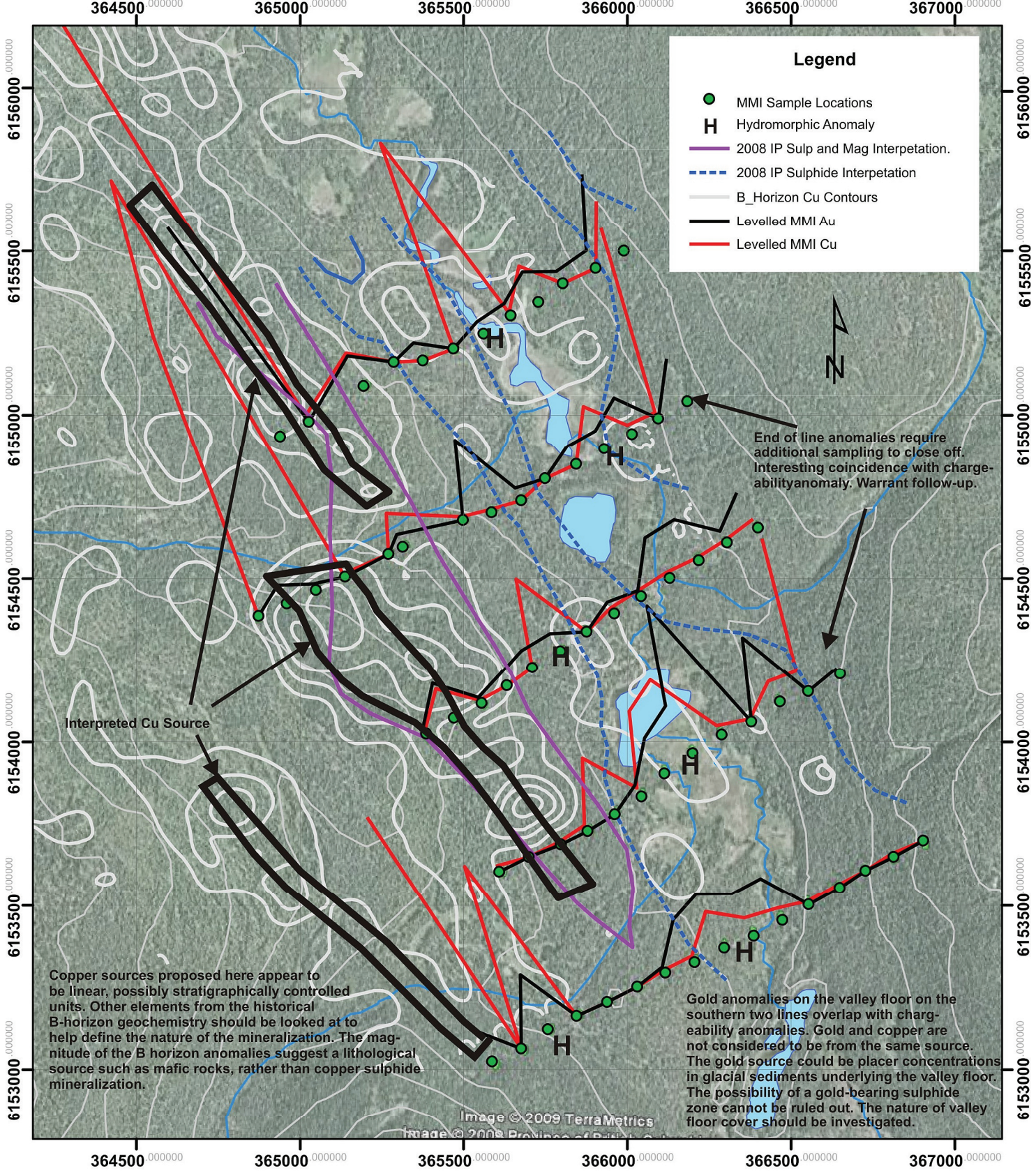
Regional Geology

The Germansen property lies in the northern part of the Upper Triassic to Lower Jurassic Quesnel Trough – Quesnellia Terrane –, a Mesozoic island arc terrane juxtaposed against the ancestral North American continental margin. The Quesnel Trough is bounded on the west by older rocks of the Cache Creek Terrane across the Pinchi Fault, and to the east across the Manson Fault by the Slide Mountain Terrane. It hosts numerous alkalic porphyry copper-gold deposits, from southern to northern B.C. The deposits in this region of the Quesnel Trough area are associated with potassically altered diorite to syenite plugs and stocks and coeval andesitic, volcanic rocks, mainly along the flanks of the Hogem batholith. The significant porphyry deposits in the general Germansen-Valleau area (Kemess mine and the Mt. Milligan, Kwanika

Germansen-Valleau Project - Target Areas - Figure 3







Germansen Property Geochemical Interpretation

Figure 5

and Lorraine deposits) are associated with strong, airborne magnetic anomalies, especially northwest cross trends, and large copper/gold stream sediment anomalies with both of these features present at the Valleau property.

In the Germansen project area, the geology consists of Upper Triassic and Lower Jurassic island arc volcanic and sedimentary units of the Takla Group, and the Chuchi Lake and Twin Creek successions. These units have been extensively affected by intrusions of the Hogem plutonic suite, comprised of late Triassic and early Jurassic composite plutons – the intrusive equivalent of the island arc volcanic units, and the Valleau Creek intrusive suite -diorite, gabbro, pyroxenite and hornlendite rocks – which occurs along the eastern margin of the Hogem Batholith.

Property Geology

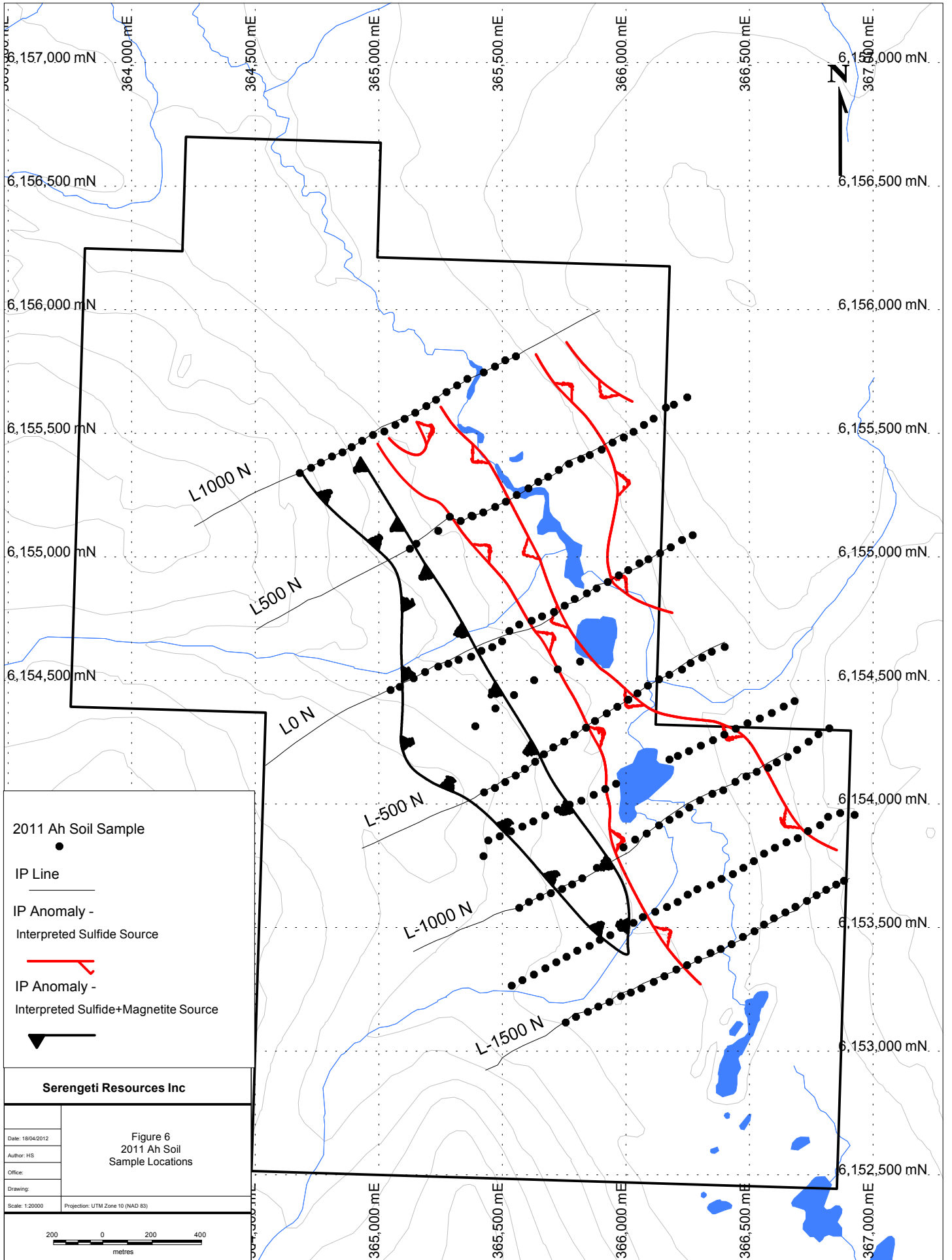
A northwest-southeast trending valley occupies the eastern portion of the Germansen property, with a low energy stream flowing north. Outcrop is very limited throughout the property, less than 1 per cent overall. Adjacent to the valley and extending east a few hundred metres are a series of parallel glacial features including eskers, drumlins and hillocks. The glacial deposits predominantly consist of intrusive rocks – granite, quartz monzonite and diorite. On the east portion of the property there are locally abundant, angular blocks of granite but no actual outcrop.

On the west side of the valley the area is mainly flat or hummocky ground for several hundred metres before steepening to a moderate slope. Minor outcrops of gabbro, diorite and possibly andesite are exposed on this hillside. These rocks are generally weakly to moderately magnetic which correlates somewhat with the magnetic signature. An east flowing creek cuts the western part of the property and locally exposes hornblende porphyry intrusive rock.

(6) Results and Discussion

Sample Collection and Analysis

A single rock sample and 250 soil samples were collected and analyzed (Figure 6). The crew collected the soil samples from the Ah soil horizon and the samples were analyzed using Acme labs ultra-trace ICP digestion and analysis technique. In order to determine the variability of results for different sample sizes, each Ah soil sample was analyzed using both a 0.5 gram aliquot (code 1F04) and a 15 gram aliquot (code 1F05). The rock samples were analyzed by Acme using an ICP-MS scan. See Appendix E for full sample preparation procedures, Acme Laboratory analytical codes, and a complete list of results for each sample. In Appendix C, there is a table with complete lists of Ah soil and rock samples collected and analyzed in 2011 including; sample IDs, sample locations, and significant element assay results. These tables will allow any reader to easily plot locations and significant assay results for all Ah soil samples and rock samples collected by Serengeti on the property in 2011.



2011 Ah Soil Sample
 ●

IP Line
 —

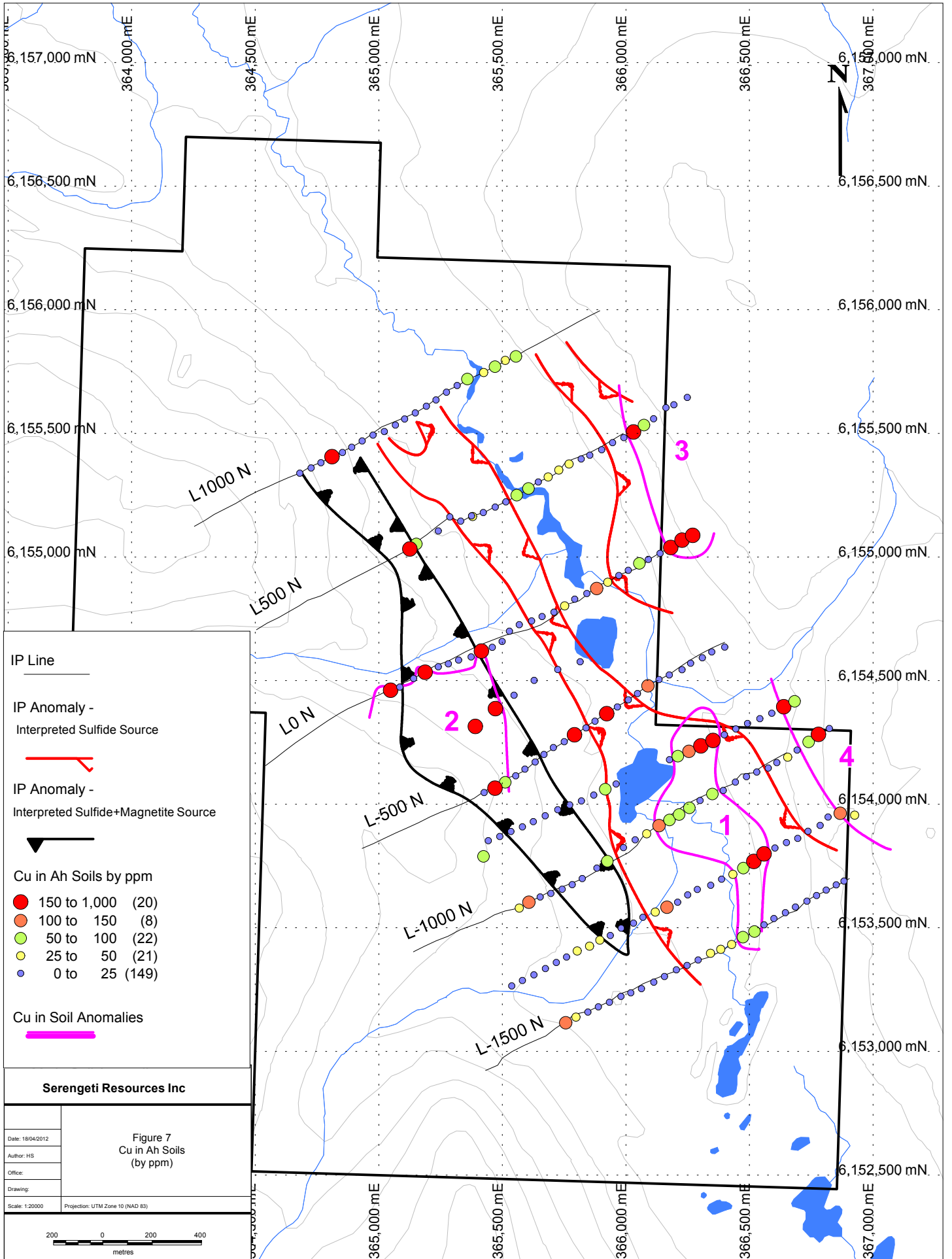
IP Anomaly -
 Interpreted Sulfide Source
 —

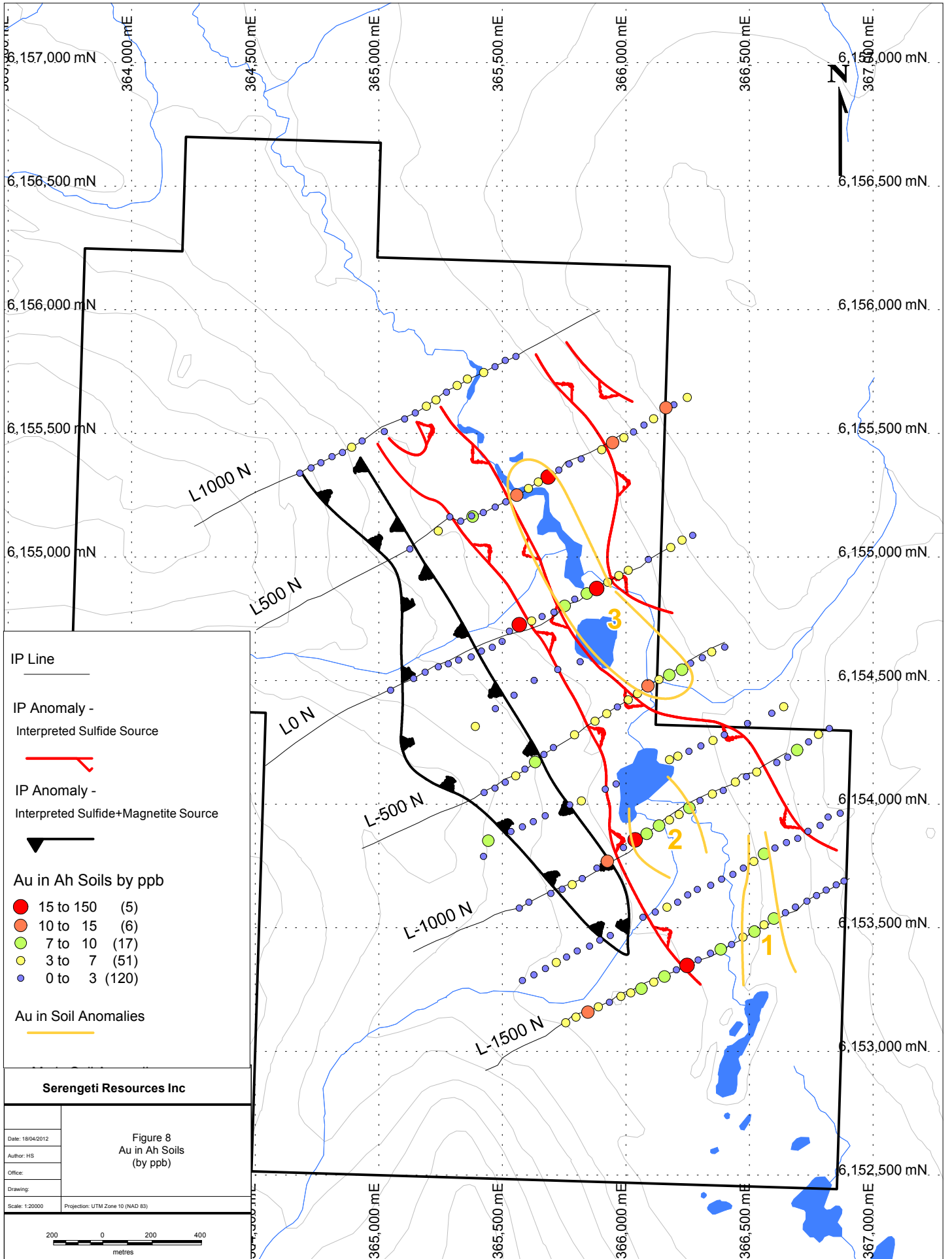
IP Anomaly -
 Interpreted Sulfide+Magnetite Source
 —▲

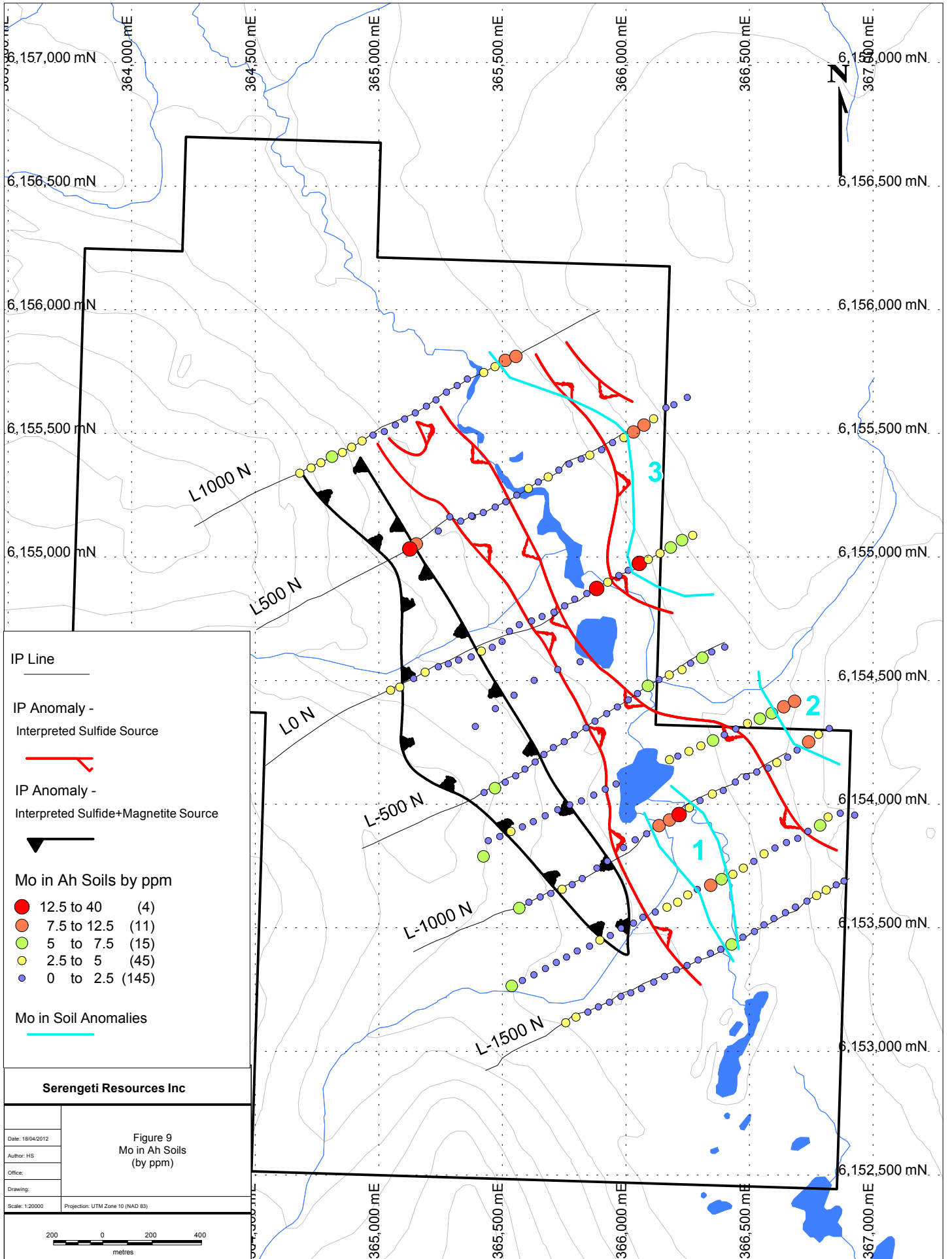
Serengeti Resources Inc

Date: 18/04/2012	<p>Figure 6 2011 Ah Soil Sample Locations</p>
Author: HS	
Office:	
Drawing:	
Scale: 1:20000	Projection: UTM Zone 10 (NAD 83)

200 0 200 400
metres







Ah Soil Sampling Results*

**(Note: See Appendix D for 1:3,500 scale plots showing important details and results for all Ah soil and rock samples collected in 2011. The plots include maps showing: sample ID's, absolute value Cu and Au assay results for rock samples, and absolute value Cu, Au, and Mo, assay results for Ah soil samples.)*

Thematic maps of the Ah soil assay results for Copper, Gold, and Molybdenum are shown in Figures 7 to 9. The thematic maps of the soil sampling results were created using mapinfo software and are colored based on various anomalous values and thresholds from the author's experience in analyzing Ah soil data. This experience is based on analysis of several thousand samples collected on this and nearby projects over the previous three years, including three separate test cases over Serengeti's nearby, glacial till covered Kwanika deposit. At the Kwanika deposit, there is a clearly anomalous copper response, consisting of a cluster of 50 to ~250 ppm Cu in Ah soil analysis results.

Copper – See Figure 7 for a map of the Cu in Ah soil results and numbered anomalies, overlain on the Serengeti IP lines and IP anomalies. There are 4 Cu anomalies of note: Anomaly 1 occurs in the valley bottom, within the 15 mV/V chargeability anomaly. There are several strongly anomalous copper results, including a cluster of 5 samples from 148 to 315 ppm Cu. This anomaly is considered highly prospective and warrants follow up drill testing. Anomaly 2 is poorly defined by lack of sample density, but contains very high results, including 6 samples ranging from 217 to 682 ppm Cu. This target is co-incident with an interpreted magnetite+sulfide source IP anomaly and warrants follow up soil sampling. Target 3 is a line end anomaly with 3 very strong responses (up to 725 ppm Cu). Follow up sampling is warranted to extend the line end anomaly, but the possible extension is off Serengeti's ground. Target 4 is also a line end anomaly that warrants further definition, but the possible extension is off Serengeti's ground as well.

Gold – See Figure 8 for a map of the Au in Ah soil results and numbered anomalies, overlain on the Serengeti IP lines and IP anomalies. There are 3 Au anomalies of note: Anomalies 1 and 2 are coincident with Cu anomaly #1, and are also located within the valley bottom (ie. covered) 15 mV/V chargeability anomaly. These two anomalies are defined by several >7 ppb Au anomalies, including a 107 ppb Au sample. In the context of their occurrence co-incident with the IP and Cu in soil anomalies, these anomalies are considered worthy of drilling follow up. Target 3 is a NW trending series of valley bottom anomalous results, up to 17 ppb. The context of this anomaly is not entirely clear, but may be the result of dispersion from a source associated with either of the northwest trending chargeability anomalies to the east and west.

Molybdenum – See Figure 9 for a map of the Mo in Ah soil results and numbered anomalies, overlain on the Serengeti IP lines and IP anomalies. There are 3 Mo anomalies of note: Again, Mo anomaly is 1 coincident with Cu anomaly #1 and Au anomalies #1 and #2, which are all located within the valley bottom (ie. covered) 15 mV/V chargeability anomaly. This anomaly is defined by 6 strongly anomalous results, including 35 ppm Mo in one sample. This entire target area is a high priority follow up drill target. Anomalies 2 and 3 are generally line end anomalies, coincident with Cu targets #3 and #4. There may be a source associated with the Cu-Mo

anomalies, but it is likely further to the east (ie. off Serengeti's ground) and will require further sampling.

(7) Summary and Recommendations

Work completed by Serengeti from 2007 to 2011 has highly prospective porphyry Cu+/- Au+/-Mo target on the Germansen property. In particular, coincident Cu-Au-Mo anomalies occur directly above a northwest trending +15mV/V chargeability anomaly, located in a soil/till covered valley bottom. This IP and soil target is a high priority drill target and should be tested. In addition, line end anomalies on the eastern and western side of the project warrant additional sampling.

Therefore, it is recommended that:

- i) Extend the existing soil grid to the east and to the west of the Cu-Mo line end anomalies to define their extents.
- ii) Complete diamond drill testing of the valley bottom IP + geochemistry target.

(8) References

Ministry of Energy, Mines and Petroleum Resources Assessment Reports, Several as listed in the body of this report; Assessment Report #'s 3856, 3857, 19868, 20897, 21866, 22752, 22757, 29852, and 31706.

McMillan, W.J., 1991: Porphyry Deposits in the Canadian Cordillera; in Ore Deposits, Tectonics and Metallogeny in the Canadian Cordillera, B. C. Ministry of Energy, Mines and Petroleum Resources, Paper 1991-4, pages 253-276.

Appendix A – Expenditure Statement

Germanen Project Cost Statement

Dates: Aug 8th to 10th, 2011
Claims Worked: 501190, 501129

Soil Geochemistry Survey and Prospecting

1) Staff

Senior Geologist - 2.5 days @ \$450/day	\$	1,125.00
Geologist - 3 days @ \$325/day	\$	975.00
Sampler 1 - 3 days @ \$250/day	\$	750.00
Sampler 2 - 1 days @ \$250/day	\$	250.00

2) Analysis

Analysis of 250 Ah Soil Samples @\$25.94/sample	\$	6,485.01
Analysis of 1 Rock Sample @\$25/sample	\$	25.00

3) Transport

Helicopter	\$	3,242.40
------------	----	----------

4) Other

Freight	\$	344.48
Groceries and Supplies	\$	505.94
Accomadation - 10 man days@\$80/day	\$	800.00
Truck - 3 days@\$120/day	\$	360.00

5) Report

Assessment Report - 1 day @ \$450/day	\$	450.00
---------------------------------------	----	--------

Total Expenditure	\$	15,312.83
-------------------	----	-----------

Appendix B – Geologist's Certificate

GEOLOGIST'S CERTIFICATE

I, Hugh R. Samson of #205-1585 West 13th Avenue, 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 2005 graduate of Dalhousie University with an Honours BSc.
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 August 8th to 10th, 2011, by the Author and staff of Serengeti Resources Inc. This work was supervised by the Author.
5. THAT I am Professional Geoscientist (P. Geo) registered and in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (#37001).

DATED at Vancouver, British Columbia this 18th day of April, 2012.

Hugh R. Samson, P. Geo



Appendix C – Field Notes

Sample Type	Sample #	Zone	Easting (NAD83)	Northing (NAD83)	Elevation	Date	Lithology	Sampler	Notes	Type of Sample (Outcrop, subcrop, float, talus)	ACME Job #
Rock	GG GR 01	10	365566	6155371		03-Aug-09	granite	GG	granite float with 5% pyrite, weakly magnetic	float	V09-0242R
Rock	GG GR 02	10	364876	6154754		03-Aug-09	diorite	GG	andesite/diorite, siliceous with 5 to 10% pyrite. float sample, strong rusty surface, pyritic	float	V09-0242R
Rock	GG GR 03	10	365475	6154222		03-Aug-09	gabbro	GG	gabbro outcrop, moderately magnetic, trace pyrite, trace chalcocopyrite	outcrop	V09-0242R
Rock	541942	10	365467	6153700		09/08/2011	andesite	DP	grab sample from takla andesite w tr cpy and no alt. Strongly mag	o/c	SMI11000342

Sample Type	Sample #	Date	ACME Job #	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ni (ppm)	Co (ppm)	Mn (ppm)	As (ppm)	Au (ppb)
Rock	GG GR 01	03-Aug-09	V09-0242R	<2	138	9	43	<0.4	18	32	570	<2	<10
Rock	GG GR 02	03-Aug-09	V09-0242R	<2	131	11	27	<0.4	3	22	583	3	<10
Rock	GG GR 03	03-Aug-09	V09-0242R	<2	205	14	52	<0.4	14	37	660	3	<10
Rock	541942	09/08/2011	SMI11000342	<0.1	108.5	0.2	37	<0.1	17.0	21.9	422	<0.5	21.2

Sample Type	Sample #	Line	Station	Zone	Easting (NAD83)	Northing (NAD83)	Date	Sampler	Certificate #
Ah Soil	552050	0	9700	10	365048	6154461	01/08/2010	DP	SMI11000351
Ah Soil	537951	0	9750	10	365085	6154474	01/08/2010	DP	SMI11000351
Ah Soil	552049	0	9800	10	365140	6154509	01/08/2010	DP	SMI11000351
Ah Soil	537934	0	9850	10	365187	6154534	10/08/2011	CH	SMI11000351
Ah Soil	552048	0	9900	10	365241	6154556	01/08/2010	DP	SMI11000351
Ah Soil	537933	0	9950	10	365281	6154568	10/08/2011	CH	SMI11000351
Ah Soil	552047	0	10000	10	365323	6154583	01/08/2010	DP	SMI11000351
Ah Soil	537932	0	10050	10	365374	6154596	10/08/2011	CH	SMI11000351
Ah Soil	552046	0	10100	10	365415	6154620	01/08/2010	DP	SMI11000351
Ah Soil	537931	0	10150	10	365459	6154635	10/08/2011	CH	SMI11000351
Ah Soil	552045	0	10200	10	365499	6154658	01/08/2010	DP	SMI11000351
Ah Soil	537930	0	10250	10	365529	6154700	10/08/2011	CH	SMI11000351
Ah Soil	552044	0	10300	10	365568	6154726	01/08/2010	DP	SMI11000351
Ah Soil	537929	0	10350	10	365618	6154741	10/08/2011	CH	SMI11000351
Ah Soil	552043	0	10400	10	365661	6154759	01/08/2010	DP	SMI11000351
Ah Soil	537928	0	10450	10	365709	6154777	10/08/2011	CH	SMI11000351
Ah Soil	552042	0	10500	10	365752	6154803	01/08/2010	DP	SMI11000351
Ah Soil	537927	0	10550	10	365793	6154829	10/08/2011	CH	SMI11000351
Ah Soil	552041	0	10600	10	365842	6154852	01/08/2010	DP	SMI11000351
Ah Soil	537926	0	10650	10	365882	6154873	10/08/2011	CH	SMI11000351
Ah Soil	552040	0	10700	10	365927	6154898	01/08/2010	DP	SMI11000351
Ah Soil	537925	0	10750	10	365971	6154925	10/08/2011	CH	SMI11000351
Ah Soil	552039	0	10800	10	366010	6154946	01/08/2010	DP	SMI11000351
Ah Soil	537924	0	10850	10	366054	6154974	10/08/2011	CH	SMI11000351
Ah Soil	552038	0	10900	10	366090	6154990	01/08/2010	DP	SMI11000351
Ah Soil	537923	0	10950	10	366138	6155015	10/08/2011	CH	SMI11000351
Ah Soil	552037	0	11000	10	366182	6155039	01/08/2010	DP	SMI11000351
Ah Soil	552036	0	11050	10	366227	6155068	01/08/2010	DP	SMI11000351
Ah Soil	537922	0	11100	10	366270	6155088	10/08/2011	CH	SMI11000351
Ah Soil	537909	500	10050	10	365152	6155053	10/08/2011	CH	SMI11000351
Ah Soil	537910	500	10150	10	365241	6155105	10/08/2011	CH	SMI11000351
Ah Soil	537911	500	10250	10	365331	6155145	10/08/2011	CH	SMI11000351
Ah Soil	537912	500	10350	10	365423	6155180	10/08/2011	CH	SMI11000351
Ah Soil	537913	500	10450	10	365514	6155223	10/08/2011	CH	SMI11000351
Ah Soil	552008	500	10450	10	365922	6154366	01/08/2009	DP	SMI11000351
Ah Soil	540920	500	10500	10	365965	6154394	09/08/2011	LF	SMI11000351
Ah Soil	552006	500	10550	10	366010	6154422	01/08/2009	DP	SMI11000351
Ah Soil	537914	500	10550	10	365606	6155277	10/08/2011	CH	SMI11000351
Ah Soil	540919	500	10600	10	366046	6154448	09/08/2011	LF	SMI11000351
Ah Soil	537915	500	10650	10	365685	6155324	10/08/2011	CH	SMI11000351
Ah Soil	552007	500	10650	10	366089	6154479	01/08/2009	DP	SMI11000351
Ah Soil	540918	500	10700	10	366133	6154504	09/08/2011	LF	SMI11000351
Ah Soil	540917	500	10750	10	366176	6154523	09/08/2011	LF	SMI11000351
Ah Soil	537916	500	10750	10	365770	6155376	10/08/2011	CH	SMI11000351
Ah Soil	552005	500	10800	10	366227	6154544	01/08/2009	DP	SMI11000351

Sample Type	Sample #	Line	Station	Zone	Easting (NAD83)	Northing (NAD83)	Date	Sampler	Certificate #
Ah Soil	552004	500	10850	10	366262	6154570	01/08/2009	DP	SMI11000351
Ah Soil	537917	500	10850	10	365854	6155412	10/08/2011	CH	SMI11000351
Ah Soil	552003	500	10900	10	366309	6154593	01/08/2009	DP	SMI11000351
Ah Soil	540916	500	10950	10	366348	6154616	09/08/2011	LF	SMI11000351
Ah Soil	537918	500	10950	10	365946	6155463	10/08/2011	CH	SMI11000351
Ah Soil	541949	500	11000	10	366400	6154636	01/08/2009	DP	SMI11000351
Ah Soil	537919	500	11050	10	366031	6155506	10/08/2011	CH	SMI11000351
Ah Soil	537920	500	11150	10	366112	6155559	10/08/2011	CH	SMI11000351
Ah Soil	537921	500	11250	10	366194	6155616	10/08/2011	CH	SMI11000351
Ah Soil	541940	750	54	10	365424	6153789	01/08/2009	DP	SMI11000351
Ah Soil	541939	750	55	10	365443	6153852	01/08/2009	DP	SMI11000351
Ah Soil	541938	750	56	10	365490	6153870	01/08/2009	DP	SMI11000351
Ah Soil	541937	750	57	10	365534	6153890	01/08/2009	DP	SMI11000351
Ah Soil	541936	750	58	10	365581	6153908	01/08/2009	DP	SMI11000351
Ah Soil	541935	750	59	10	365625	6153930	01/08/2009	DP	SMI11000351
Ah Soil	541934	750	60	10	365674	6153953	01/08/2009	DP	SMI11000351
Ah Soil	541933	750	61	10	365724	6153978	01/08/2009	DP	SMI11000351
Ah Soil	541932	750	62	10	365773	6153997	01/08/2009	DP	SMI11000351
Ah Soil	541931	750	63	10	365820	6154014	01/08/2009	DP	SMI11000351
Ah Soil	541930	750	64	10	365870	6154037	01/08/2009	DP	SMI11000351
Ah Soil	541929	750	65	10	365917	6154061	01/08/2009	DP	SMI11000351
Ah Soil	541928	750	66	10	365960	6154082	01/08/2009	DP	SMI11000351
Ah Soil	541927	750	67	10	366176	6154180	01/08/2009	DP	SMI11000351
Ah Soil	541926	750	68	10	366210	6154195	01/08/2009	DP	SMI11000351
Ah Soil	541925	750	69	10	366255	6154214	01/08/2009	DP	SMI11000351
Ah Soil	541924	750	70	10	366303	6154236	01/08/2009	DP	SMI11000351
Ah Soil	541923	750	71	10	366352	6154258	01/08/2009	DP	SMI11000351
Ah Soil	541922	750	72	10	366398	6154281	01/08/2009	DP	SMI11000351
Ah Soil	541921	750	73	10	366444	6154305	01/08/2009	DP	SMI11000351
Ah Soil	541920	750	74	10	366492	6154327	01/08/2009	DP	SMI11000351
Ah Soil	541919	750	75	10	366542	6154346	01/08/2009	DP	SMI11000351
Ah Soil	541918	750	76	10	366590	6154368	01/08/2009	DP	SMI11000351
Ah Soil	541917	750	77	10	366638	6154395	01/08/2009	DP	SMI11000351
Ah Soil	541916	750	78	10	366682	6154416	01/08/2009	DP	SMI11000351
Ah Soil	541947	1000	1000	10	365782	6153674	01/08/2009	DP	SMI11000351
Ah Soil	541948	1000	1050	10	365824	6153699	01/08/2009	DP	SMI11000351
Ah Soil	541941	1000	9750	10	365568	6153580	01/08/2009	DP	SMI11000351
Ah Soil	537901	1000	9800	10	364680	6155339	10/08/2011	CH	SMI11000351
Ah Soil	541943	1000	9800	10	365607	6153603	01/08/2009	DP	SMI11000351
Ah Soil	537902	1000	9850	10	364726	6155360	10/08/2011	CH	SMI11000351
Ah Soil	541944	1000	9850	10	365653	6153625	01/08/2009	DP	SMI11000351
Ah Soil	541945	1000	9900	10	365696	6153639	01/08/2009	DP	SMI11000351
Ah Soil	537903	1000	9900	10	364766	6155381	10/08/2011	CH	SMI11000351
Ah Soil	541946	1000	9950	10	365742	6153656	01/08/2009	DP	SMI11000351
Ah Soil	537904	1000	9950	10	364811	6155406	10/08/2011	CH	SMI11000351

Sample Type	Sample #	Line	Station	Zone	Easting (NAD83)	Northing (NAD83)	Date	Sampler	Certificate #
Ah Soil	537905	1000	10000	10	364853	6155423	10/08/2011	CH	SMI11000351
Ah Soil	537906	1000	10050	10	364890	6155444	10/08/2011	CH	SMI11000351
Ah Soil	537907	1000	10100	10	364933	6155469	10/08/2011	CH	SMI11000351
Ah Soil	537908	1000	10150	10	364977	6155493	10/08/2011	CH	SMI11000351
Ah Soil	540915	1000	10150	10	365883	6153742	09/08/2011	LF	SMI11000351
Ah Soil	540914	1000	10200	10	365925	6153770	09/08/2011	LF	SMI11000351
Ah Soil	540913	1000	10250	10	365990	6153825	09/08/2011	LF	SMI11000351
Ah Soil	540912	1000	10300	10	366037	6153856	09/08/2011	LF	SMI11000351
Ah Soil	540911	1000	10350	10	366084	6153881	09/08/2011	LF	SMI11000351
Ah Soil	540910	1000	10400	10	366134	6153914	09/08/2011	LF	SMI11000351
Ah Soil	540909	1000	10450	10	366176	6153936	09/08/2011	LF	SMI11000351
Ah Soil	540908	1000	10500	10	366215	6153959	09/08/2011	LF	SMI11000351
Ah Soil	540907	1000	10550	10	366257	6153985	09/08/2011	LF	SMI11000351
Ah Soil	540906	1000	10600	10	366300	6154015	09/08/2011	LF	SMI11000351
Ah Soil	540905	1000	10650	10	366349	6154041	09/08/2011	LF	SMI11000351
Ah Soil	540904	1000	10700	10	366393	6154056	09/08/2011	LF	SMI11000351
Ah Soil	540903	1000	10750	10	366443	6154090	09/08/2011	LF	SMI11000351
Ah Soil	540902	1000	10800	10	366488	6154112	09/08/2011	LF	SMI11000351
Ah Soil	540901	1000	10850	10	366529	6154130	09/08/2011	LF	SMI11000351
Ah Soil	1115050	1000	10900	10	366576	6154146	09/08/2011	LF	SMI11000351
Ah Soil	1115049	1000	10950	10	366610	6154168	09/08/2011	LF	SMI11000351
Ah Soil	1115048	1000	11000	10	366655	6154190	09/08/2011	LF	SMI11000351
Ah Soil	1115047	1000	11050	10	366692	6154219	09/08/2011	LF	SMI11000351
Ah Soil	1115046	1000	11100	10	366739	6154252	09/08/2011	LF	SMI11000351
Ah Soil	1115045	1000	11150	10	366779	6154282	09/08/2011	LF	SMI11000351
Ah Soil	1115044	1000	11200	10	366823	6154306	09/08/2011	LF	SMI11000351
Ah Soil	540562	3000		10	372879	6148520	11-Aug	CH	SMI11000354
Ah Soil	540561	3000		10	372903	6148564	11-Aug	CH	SMI11000354
Ah Soil	537944	3000		10	373176	6149375	11-Aug	CH	SMI11000354
Ah Soil	540559	3000		10	372929	6148660	11-Aug	CH	SMI11000354
Ah Soil	540558	3000		10	372951	6148712	11-Aug	CH	SMI11000354
Ah Soil	537943	3000		10	373195	6149420	11-Aug	CH	SMI11000354
Ah Soil	537941	3000		10	373218	6149515	11-Aug	CH	SMI11000354
Ah Soil	540564	3000		10	372850	6148425	11-Aug	CH	SMI11000354
Ah Soil	537945	3000		10	373163	6149321	11-Aug	CH	SMI11000354
Ah Soil	537942	3000		10	373202	6149466	11-Aug	CH	SMI11000354
Ah Soil	537950	3000		10	373079	6149088	11-Aug	CH	SMI11000354
Ah Soil	540557	3000		10	372962	6148753	11-Aug	CH	SMI11000354
Ah Soil	537938	3000		10	373272	6149666	11-Aug	CH	SMI11000354
Ah Soil	540551	3000		10	373054	6149043	11-Aug	CH	SMI11000354
Ah Soil	537940	3000		10	373227	6149565	11-Aug	CH	SMI11000354
Ah Soil	537949	3000		10	373097	6149137	11-Aug	CH	SMI11000354
Ah Soil	540563	3000		10	372865	6148474	11-Aug	CH	SMI11000354
Ah Soil	537946	3000		10	373137	6149277	11-Aug	CH	SMI11000354
Ah Soil	537939	3000		10	373253	6149609	11-Aug	CH	SMI11000354

Sample Type	Sample #	Line	Station	Zone	Easting (NAD83)	Northing (NAD83)	Date	Sampler	Certificate #
Ah Soil	537948	3000		10	373112	6149181	11-Aug	CH	SMI11000354
Ah Soil	540560	3000		10	372916	6148616	11-Aug	CH	SMI11000354
Ah Soil	540554	3000		10	373015	6148902	11-Aug	CH	SMI11000354
Ah Soil	540552	3000		10	373043	6148994	11-Aug	CH	SMI11000354
Ah Soil	540556	3000		10	372988	6148803	11-Aug	CH	SMI11000354
Ah Soil	537947	3000		10	373132	6149231	11-Aug	CH	SMI11000354
Ah Soil	540553	3000		10	373026	6148951	11-Aug	CH	SMI11000354
Ah Soil	540555	3000		10	372986	6148855	11-Aug	CH	SMI11000354
Ah Soil	552021	1000N	10200	10	365022	6155508	01/08/2010	DP	SMI11000351
Ah Soil	552020	1000N	10250	10	365067	6155533	01/08/2010	DP	SMI11000351
Ah Soil	552019	1000N	10300	10	365104	6155558	01/08/2010	DP	SMI11000351
Ah Soil	552018	1000N	10350	10	365147	6155583	01/08/2010	DP	SMI11000351
Ah Soil	552017	1000N	10400	10	365193	6155610	01/08/2010	DP	SMI11000351
Ah Soil	552016	1000N	10450	10	365232	6155636	01/08/2010	DP	SMI11000351
Ah Soil	552015	1000N	10500	10	365273	6155666	01/08/2010	DP	SMI11000351
Ah Soil	552014	1000N	10550	10	365317	6155694	01/08/2010	DP	SMI11000351
Ah Soil	552013	1000N	10600	10	365358	6155720	01/08/2010	DP	SMI11000351
Ah Soil	552012	1000N	10650	10	365424	6155747	01/08/2010	DP	SMI11000351
Ah Soil	552011	1000N	10700	10	365470	6155770	01/08/2010	DP	SMI11000351
Ah Soil	552010	1000N	10750	10	365511	6155795	01/08/2010	DP	SMI11000351
Ah Soil	552009	1000N	10800	10	365555	6155811	01/08/2010	DP	SMI11000351
Ah Soil	552022	500N	10000	10	365125	6155033	01/08/2010	DP	SMI11000351
Ah Soil	552023	500N	10100	10	365380	6155163	01/08/2010	DP	SMI11000351
Ah Soil	552024	500N	10200	10	365287	6155162	01/08/2010	DP	SMI11000351
Ah Soil	552025	500N	10300	10	365375	6155166	01/08/2010	DP	SMI11000351
Ah Soil	552026	500N	10400	10	365471	6155202	01/08/2010	DP	SMI11000351
Ah Soil	552027	500N	10500	10	365558	6155250	01/08/2010	DP	SMI11000351
Ah Soil	552028	500N	10600	10	365645	6155304	01/08/2010	DP	SMI11000351
Ah Soil	552029	500N	10700	10	365728	6155352	01/08/2010	DP	SMI11000351
Ah Soil	552030	500N	10800	10	365819	6155396	01/08/2010	DP	SMI11000351
Ah Soil	552031	500N	10900	10	365902	6155434	01/08/2010	DP	SMI11000351
Ah Soil	552032	500N	11000	10	365992	6155483	01/08/2010	DP	SMI11000351
Ah Soil	552033	500N	11100	10	366073	6155534	01/08/2010	DP	SMI11000351
Ah Soil	552034	500N	11200	10	366162	6155604	01/08/2010	DP	SMI11000351
Ah Soil	552035	500N	11300	10	366248	6155646	01/08/2010	DP	SMI11000351
Ah Soil	537935	x	0	10	365391	6154315	10/08/2011	CH	SMI11000351
Ah Soil	537952	X	100	10	365472	6154386	01/08/2010	DP	SMI11000351
Ah Soil	537936	x	200	10	365547	6154441	10/08/2011	CH	SMI11000351
Ah Soil	537953	X	300	10	365629	6154501	01/08/2010	DP	SMI11000351
Ah Soil	537954	X	400	10	365724	6154545	01/08/2010	DP	SMI11000351
Ah Soil	537937	x	500	10	365815	6154576	10/08/2011	CH	SMI11000351
Ah Soil	540567	y		10	374853	6148609	11-Aug	CH	SMI11000354
Ah Soil	540566	y		10	374654	6148618	11-Aug	CH	SMI11000354
Ah Soil	540565	y		10	374467	6148620	11-Aug	CH	SMI11000354
Ah Soil	552191	-1250	47	10	365538	6153265	09/08/2011	CH	SMI11000351

Sample Type	Sample #	Line	Station	Zone	Easting (NAD83)	Northing (NAD83)	Date	Sampler	Certificate #
Ah Soil	552190	-1250	48	10	365581	6153287	09/08/2011	CH	SMI11000351
Ah Soil	552189	-1250	49	10	365628	6153310	09/08/2011	CH	SMI11000351
Ah Soil	552188	-1250	50	10	365674	6153335	09/08/2011	CH	SMI11000351
Ah Soil	552187	-1250	51	10	365718	6153360	09/08/2011	CH	SMI11000351
Ah Soil	552186	-1250	52	10	365760	6153382	09/08/2011	CH	SMI11000351
Ah Soil	552185	-1250	53	10	365803	6153406	09/08/2011	CH	SMI11000351
Ah Soil	552184	-1250	54	10	365853	6153426	09/08/2011	CH	SMI11000351
Ah Soil	552183	-1250	55	10	365894	6153450	09/08/2011	CH	SMI11000351
Ah Soil	552182	-1250	56	10	365937	6153469	09/08/2011	CH	SMI11000351
Ah Soil	552181	-1250	57	10	365981	6153499	09/08/2011	CH	SMI11000351
Ah Soil	552180	-1250	58	10	366031	6153519	09/08/2011	CH	SMI11000351
Ah Soil	552179	-1250	59	10	366069	6153543	09/08/2011	CH	SMI11000351
Ah Soil	552178	-1250	60	10	366119	6153564	09/08/2011	CH	SMI11000351
Ah Soil	552177	-1250	61	10	366166	6153583	09/08/2011	CH	SMI11000351
Ah Soil	552176	-1250	62	10	366209	6153604	09/08/2011	CH	SMI11000351
Ah Soil	552175	-1250	63	10	366250	6153633	09/08/2011	CH	SMI11000351
Ah Soil	552174	-1250	64	10	366289	6153655	09/08/2011	CH	SMI11000351
Ah Soil	552173	-1250	65	10	366343	6153672	09/08/2011	CH	SMI11000351
Ah Soil	552172	-1250	66	10	366387	6153697	09/08/2011	CH	SMI11000351
Ah Soil	552171	-1250	67	10	366433	6153716	09/08/2011	CH	SMI11000351
Ah Soil	552170	-1250	68	10	366475	6153742	09/08/2011	CH	SMI11000351
Ah Soil	552169	-1250	69	10	366517	6153769	09/08/2011	CH	SMI11000351
Ah Soil	552168	-1250	70	10	366559	6153799	09/08/2011	CH	SMI11000351
Ah Soil	552167	-1250	71	10	366603	6153823	09/08/2011	CH	SMI11000351
Ah Soil	552166	-1250	72	10	366649	6153845	09/08/2011	CH	SMI11000351
Ah Soil	552165	-1250	73	10	366695	6153862	09/08/2011	CH	SMI11000351
Ah Soil	552164	-1250	74	10	366737	6153891	09/08/2011	CH	SMI11000351
Ah Soil	552163	-1250	75	10	366786	6153914	09/08/2011	CH	SMI11000351
Ah Soil	552162	-1250	76	10	366818	6153948	09/08/2011	CH	SMI11000351
Ah Soil	552161	-1250	77	10	366867	6153963	09/08/2011	CH	SMI11000351
Ah Soil	552160	-1250	78	10	366925	6153956	09/08/2011	CH	SMI11000351
Ah Soil	552192	-500	9850	10	365426	6154047	09/08/2011	CH	SMI11000351
Ah Soil	552193	-500	9950	10	365512	6154089	09/08/2011	CH	SMI11000351
Ah Soil	552194	-500	10050	10	365591	6154142	09/08/2011	CH	SMI11000351
Ah Soil	552195	-500	10150	10	365668	6154201	09/08/2011	CH	SMI11000351
Ah Soil	552196	-500	10250	10	365750	6154253	09/08/2011	CH	SMI11000351
Ah Soil	552197	-500	10350	10	365838	6154309	09/08/2011	CH	SMI11000351
Ah Soil	1115060	-1500N	9700	10	365756	6153116	09/08/2011	HS	SMI11000351
Ah Soil	1115059	-1500N	9750	10	365798	6153139	09/08/2011	HS	SMI11000351
Ah Soil	1115058	-1500N	9800	10	365846	6153159	09/08/2011	HS	SMI11000351
Ah Soil	1115057	-1500N	9850	10	365888	6153180	09/08/2011	HS	SMI11000351
Ah Soil	1115056	-1500N	9900	10	365933	6153199	09/08/2011	HS	SMI11000351
Ah Soil	1115055	-1500N	9950	10	365980	6153223	09/08/2011	HS	SMI11000351
Ah Soil	1115054	-1500N	10000	10	366020	6153237	09/08/2011	HS	SMI11000351
Ah Soil	1115053	-1500N	10050	10	366063	6153254	09/08/2011	HS	SMI11000351

Sample Type	Sample #	Line	Station	Zone	Easting (NAD83)	Northing (NAD83)	Date	Sampler	Certificate #
Ah Soil	1115052	-1500N	10100	10	366113	6153280	09/08/2011	HS	SMI11000351
Ah Soil	1115051	-1500N	10150	10	366156	6153303	09/08/2011	HS	SMI11000351
Ah Soil	1115150	-1500N	10200	10	366204	6153330	09/08/2011	HS	SMI11000351
Ah Soil	1115149	-1500N	10250	10	366247	6153348	09/08/2011	HS	SMI11000351
Ah Soil	1115148	-1500N	10300	10	366292	6153370	09/08/2011	HS	SMI11000351
Ah Soil	1115147	-1500N	10350	10	366342	6153397	09/08/2011	HS	SMI11000351
Ah Soil	1115146	-1500N	10400	10	366384	6153413	09/08/2011	HS	SMI11000351
Ah Soil	1115145	-1500N	10450	10	366428	6153433	09/08/2011	HS	SMI11000351
Ah Soil	1115144	-1500N	10500	10	366473	6153462	09/08/2011	HS	SMI11000351
Ah Soil	1115143	-1500N	10550	10	366520	6153485	09/08/2011	HS	SMI11000351
Ah Soil	1115142	-1500N	10600	10	366559	6153512	09/08/2011	HS	SMI11000351
Ah Soil	1115141	-1500N	10650	10	366599	6153538	09/08/2011	HS	SMI11000351
Ah Soil	1115140	-1500N	10700	10	366645	6153561	09/08/2011	HS	SMI11000351
Ah Soil	1115139	-1500N	10750	10	366686	6153584	09/08/2011	HS	SMI11000351
Ah Soil	1115138	-1500N	10800	10	366732	6153608	09/08/2011	HS	SMI11000351
Ah Soil	1115137	-1500N	10850	10	366771	6153631	09/08/2011	HS	SMI11000351
Ah Soil	1115136	-1500N	10900	10	366810	6153653	09/08/2011	HS	SMI11000351
Ah Soil	1115135	-1500N	10950	10	366851	6153674	09/08/2011	HS	SMI11000351
Ah Soil	1115134	-1500N	11000	10	366882	6153689	09/08/2011	HS	SMI11000351
Ah Soil	1115061	-500N	9900	10	365470	6154065	09/08/2011	HS	SMI11000351
Ah Soil	1115062	-500N	10000	10	365554	6154115	09/08/2011	HS	SMI11000351
Ah Soil	1115063	-500N	10100	10	365633	6154171	09/08/2011	HS	SMI11000351
Ah Soil	1115064	-500N	10200	10	365706	6154229	09/08/2011	HS	SMI11000351
Ah Soil	1115065	-500N	10300	10	365792	6154281	09/08/2011	HS	SMI11000351
Ah Soil	1115066	-500N	10400	10	365875	6154336	09/08/2011	HS	SMI11000351

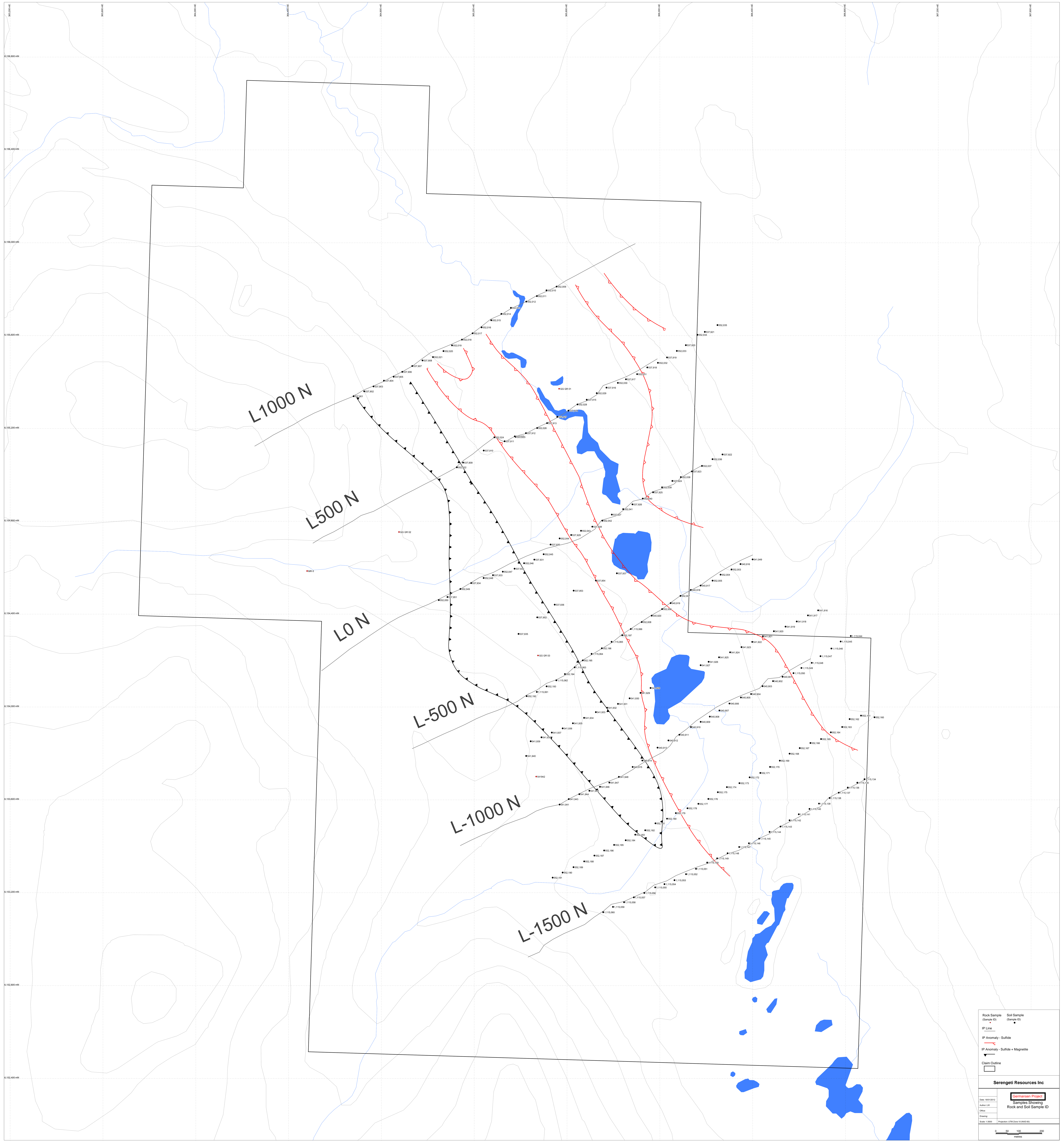
Sample Type	Sample #	Certificate #	IS-0.5 g Analysis	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppb)	Ni (ppm)	Co (ppm)	Mn (ppm)	As (ppm)	Au (ppb)
Ah Soil	552050	SMI11000351	Y	3.25	681.95	5.32	13.1	253	3.7	2.2	306	0.2	0.9
Ah Soil	537951	SMI11000351	Y	3.46	18.16	5.09	17.9	466	2.2	0.4	252	0.1	<0.2
Ah Soil	552049	SMI11000351	Y	0.85	8.42	8.05	36.6	1349	1.8	0.8	276	0.2	0.4
Ah Soil	537934	SMI11000351	Y	3.05	587.44	4.43	11.7	673	7.1	0.6	982	0.1	1.5
Ah Soil	552048	SMI11000351	Y	0.86	12.28	5.22	26.0	242	2.4	0.7	128	0.1	0.9
Ah Soil	537933	SMI11000351	Y	1.80	10.81	3.79	32.4	535	3.5	1.1	464	0.6	0.5
Ah Soil	552047	SMI11000351	Y	1.14	9.55	2.53	25.4	123	1.8	0.3	67	0.2	0.7
Ah Soil	537932	SMI11000351	Y	0.94	7.02	3.58	25.3	570	2.1	0.4	504	0.4	0.7
Ah Soil	552046	SMI11000351	Y	4.01	217.99	6.99	32.6	512	8.4	1.9	2645	0.1	1.1
Ah Soil	537931	SMI11000351	Y	0.78	7.53	7.51	64.1	1173	2.2	1.5	2999	<0.1	1.1
Ah Soil	552045	SMI11000351	Y	0.85	8.25	3.85	38.8	1186	2.2	0.7	749	0.1	0.9
Ah Soil	537930	SMI11000351	Y	0.52	4.36	2.95	59.6	234	1.4	0.6	1330	0.3	0.3
Ah Soil	552044	SMI11000351	Y	0.69	12.79	6.01	17.8	410	4.1	3.1	98	0.2	40.4
Ah Soil	537929	SMI11000351	N	1.66	13.60	8.57	28.6	871	6.3	5.1	102	0.8	3.9
Ah Soil	552043	SMI11000351	N	0.75	7.04	6.13	53.5	860	2.2	1.8	2142	0.1	1.5
Ah Soil	537928	SMI11000351	Y	0.75	7.80	3.98	35.3	210	2.6	0.6	362	0.4	1.6
Ah Soil	552042	SMI11000351	N	0.98	34.07	6.53	37.2	160	8.3	10.0	1107	1.6	7.0
Ah Soil	537927	SMI11000351	Y	0.89	9.51	6.72	46.2	323	4.0	2.1	3881	0.4	1.7
Ah Soil	552041	SMI11000351	N	0.82	16.37	7.39	52.0	633	4.7	4.0	474	0.6	9.7
Ah Soil	537926	SMI11000351	N	14.17	135.00	7.95	76.9	916	18.8	16.4	580	5.0	15.6
Ah Soil	552040	SMI11000351	N	4.75	45.06	7.45	37.0	433	11.9	12.5	820	0.4	4.8
Ah Soil	537925	SMI11000351	Y	2.13	15.73	4.57	20.5	123	3.1	2.1	276	0.5	3.7
Ah Soil	552039	SMI11000351	Y	1.89	21.70	3.67	42.5	72	3.6	2.5	403	0.4	4.5
Ah Soil	537924	SMI11000351	N	12.62	99.33	17.23	22.1	515	8.8	11.0	4686	<0.1	<0.2
Ah Soil	552038	SMI11000351	N	3.19	21.92	7.11	13.5	320	3.5	2.8	137	<0.1	1.4
Ah Soil	537923	SMI11000351	N	3.91	12.84	3.21	14.2	79	1.9	0.2	229	<0.1	<0.2
Ah Soil	552037	SMI11000351	Y	5.58	725.36	5.39	10.5	779	11.4	3.8	825	<0.1	4.7
Ah Soil	552036	SMI11000351	N	6.17	249.48	41.42	21.8	1655	9.6	5.5	2998	<0.1	3.2
Ah Soil	537922	SMI11000351	Y	4.01	331.33	11.71	13.8	3035	5.9	1.3	1254	<0.1	2.8
Ah Soil	537909	SMI11000351	N	8.37	92.61	3.47	19.5	407	2.5	1.1	73	<0.1	<0.2
Ah Soil	537910	SMI11000351	Y	0.86	12.77	8.69	34.5	850	2.9	1.9	151	0.6	3.2
Ah Soil	537911	SMI11000351	Y	0.93	8.83	5.27	40.5	1024	2.7	2.3	414	0.6	2.0
Ah Soil	537912	SMI11000351	Y	0.68	17.36	7.06	46.4	562	4.0	2.8	375	0.3	2.8
Ah Soil	537913	SMI11000351	N	0.78	15.90	10.98	77.9	175	5.6	3.4	573	<0.1	2.5
Ah Soil	552008	SMI11000351	Y	1.17	483.49	2.96	13.9	947	5.4	2.5	431	<0.1	5.5
Ah Soil	540920	SMI11000351	N	0.71	10.08	10.15	39.6	1484	3.7	2.0	276	<0.1	2.2
Ah Soil	552006	SMI11000351	N	1.30	18.96	5.13	62.1	199	6.2	6.3	1309	0.7	4.7
Ah Soil	537914	SMI11000351	N	2.96	59.17	4.53	27.1	141	10.6	8.7	160	1.7	6.3
Ah Soil	540919	SMI11000351	Y	1.50	15.56	9.47	79.4	340	6.4	8.5	1827	0.6	3.7
Ah Soil	537915	SMI11000351	Y	3.61	39.53	11.15	24.2	751	8.3	14.8	1505	0.9	17.0
Ah Soil	552007	SMI11000351	N	6.75	106.17	4.21	47.8	201	13.9	16.3	528	2.8	12.5
Ah Soil	540918	SMI11000351	Y	1.11	7.04	5.16	54.7	178	2.0	1.2	716	0.3	5.8
Ah Soil	540917	SMI11000351	N	2.91	19.95	4.53	86.8	119	4.4	2.4	949	<0.1	7.1
Ah Soil	537916	SMI11000351	Y	1.87	26.03	4.94	28.6	371	5.2	2.9	435	1.2	1.5
Ah Soil	552005	SMI11000351	N	4.29	22.68	8.46	51.5	441	6.7	4.4	323	1.0	7.6
Ah Soil	552004	SMI11000351	Y	0.92	8.73	4.37	67.6	241	1.9	0.6	465	0.3	0.4
Ah Soil	537917	SMI11000351	Y	3.28	17.35	5.53	27.1	950	4.4	4.2	266	0.1	<0.2
Ah Soil	552003	SMI11000351	Y	6.07	15.37	8.30	19.9	459	2.7	1.2	1032	0.5	2.8
Ah Soil	540916	SMI11000351	N	0.53	7.79	5.11	33.7	216	1.5	0.9	356	<0.1	6.7
Ah Soil	537918	SMI11000351	N	1.88	16.09	6.60	48.8	270	4.1	5.1	1294	1.0	10.5
Ah Soil	541949	SMI11000351	N	1.27	12.49	8.62	51.6	442	2.6	2.1	1145	2.8	1.4
Ah Soil	537919	SMI11000351	N	8.54	164.73	119.64	23.2	3064	4.0	2.2	1159	<0.1	2.0
Ah Soil	537920	SMI11000351	N	3.34	11.20	9.22	59.5	882	2.8	4.5	2730	<0.1	4.8
Ah Soil	537921	SMI11000351	Y	0.96	5.26	3.96	67.1	128	1.9	0.5	1708	<0.1	1.6
Ah Soil	541940	SMI11000351	N	7.27	85.83	8.39	30.6	807	3.1	4.4	2113	<0.1	1.5
Ah Soil	541939	SMI11000351	N	0.63	9.43	8.52	29.2	648	3.1	1.5	250	0.7	7.1
Ah Soil	541938	SMI11000351	Y	1.04	10.53	5.21	28.1	305	2.7	2.8	203	0.1	<0.2
Ah Soil	541937	SMI11000351	N	4.79	13.63	5.77	16.3	424	4.8	4.6	613	1.1	1.6
Ah Soil	541936	SMI11000351	N	0.46	8.76	5.30	24.8	1887	2.2	1.6	159	1.4	0.6
Ah Soil	541935	SMI11000351	N	1.22	21.76	3.23	39.0	114	10.7	8.9	297	1.6	0.8
Ah Soil	541934	SMI11000351	N	0.81	8.00	8.69	17.5	575	3.0	3.4	812	0.8	0.7
Ah Soil	541933	SMI11000351	N	1.07	5.72	6.60	35.7	208	2.1	2.3	1443	0.6	<0.2
Ah Soil	541932	SMI11000351	N	1.02	6.59	6.79	8.5	586	1.7	1.0	41	0.3	0.5
Ah Soil	541931	SMI11000351	N	1.36	14.47	6.84	19.6	898	4.1	5.1	1409	<0.1	4.5
Ah Soil	541930	SMI11000351	N	1.53	14.12	9.17	28.4	354	3.1	1.5	84	<0.1	<0.2
Ah Soil	541929	SMI11000351	N	1.03	70.94	4.63	9.9	402	6.5	2.9	214	<0.1	1.1

Sample Type	Sample #	Certificate #	IS-0.5 g Analysis	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppb)	Ni (ppm)	Co (ppm)	Mn (ppm)	As (ppm)	Au (ppb)
Ah Soil	541928	SMI11000351	N	1.17	8.42	7.22	37.6	445	1.8	1.0	159	<0.1	0.7
Ah Soil	541927	SMI11000351	Y	3.26	14.64	1.20	15.0	43	4.5	1.2	58	0.4	4.0
Ah Soil	541926	SMI11000351	N	1.98	80.41	9.17	18.9	242	7.1	4.9	182	0.6	4.8
Ah Soil	541925	SMI11000351	N	3.41	148.03	4.21	23.7	568	6.0	1.0	606	<0.1	0.3
Ah Soil	541924	SMI11000351	N	2.81	315.13	11.89	24.6	524	13.6	5.3	1021	<0.1	0.7
Ah Soil	541923	SMI11000351	Y	7.22	256.46	4.11	12.9	569	7.5	0.9	387	0.1	3.0
Ah Soil	541922	SMI11000351	N	1.08	7.68	9.11	24.0	1272	2.6	1.4	316	1.8	1.5
Ah Soil	541921	SMI11000351	N	1.19	5.72	5.82	37.5	1341	2.9	1.2	171	1.2	<0.2
Ah Soil	541920	SMI11000351	Y	3.98	17.45	3.68	7.5	346	1.8	0.6	44	0.1	1.3
Ah Soil	541919	SMI11000351	N	5.45	12.42	3.70	13.1	909	2.8	0.6	152	<0.1	<0.2
Ah Soil	541918	SMI11000351	Y	5.42	15.10	12.46	48.1	928	2.3	1.8	348	0.4	0.5
Ah Soil	541917	SMI11000351	N	7.50	378.02	11.24	33.1	765	14.5	5.5	866	0.1	3.8
Ah Soil	541916	SMI11000351	N	11.66	79.42	6.54	16.1	1145	5.3	4.2	174	1.3	<0.2
Ah Soil	541947	SMI11000351	N	0.79	7.29	4.94	73.2	317	1.7	0.7	1051	0.5	5.2
Ah Soil	541948	SMI11000351	N	1.22	9.12	14.05	22.8	825	3.1	1.7	162	2.8	1.7
Ah Soil	541941	SMI11000351	N	5.12	33.78	16.25	15.1	495	6.8	43.3	7597	<0.1	0.7
Ah Soil	537901	SMI11000351	Y	2.57	14.64	4.96	36.5	390	6.0	4.0	760	0.4	1.0
Ah Soil	541943	SMI11000351	N	1.09	124.92	6.48	18.5	1254	7.6	27.9	358	3.6	2.3
Ah Soil	537902	SMI11000351	Y	2.75	6.71	3.80	35.3	303	2.0	1.8	496	0.3	0.9
Ah Soil	541944	SMI11000351	N	1.03	8.60	3.87	62.2	719	2.3	2.2	115	<0.1	<0.2
Ah Soil	541945	SMI11000351	N	1.26	11.76	9.98	23.6	763	3.9	4.0	510	1.8	1.4
Ah Soil	537903	SMI11000351	Y	2.95	15.40	8.55	36.1	412	2.8	2.3	417	0.4	0.6
Ah Soil	541946	SMI11000351	N	3.02	11.53	4.63	29.0	213	3.3	0.6	46	4.0	1.1
Ah Soil	537904	SMI11000351	N	5.99	419.87	12.47	19.7	2234	8.8	3.7	3788	<0.1	0.4
Ah Soil	537905	SMI11000351	Y	2.67	24.23	6.13	29.0	1260	4.3	3.6	679	0.2	1.8
Ah Soil	537906	SMI11000351	Y	3.77	20.25	5.16	12.7	452	3.3	2.6	111	0.6	4.5
Ah Soil	537907	SMI11000351	Y	3.03	11.88	3.21	32.6	258	2.0	0.9	186	0.1	1.0
Ah Soil	537908	SMI11000351	Y	0.80	11.29	3.38	49.3	740	2.1	1.3	664	0.5	<0.2
Ah Soil	540915	SMI11000351	N	1.30	17.18	8.34	42.4	638	2.2	2.7	1024	<0.1	1.3
Ah Soil	540914	SMI11000351	N	1.02	70.40	3.61	51.4	203	2.2	0.6	556	<0.1	11.7
Ah Soil	540913	SMI11000351	Y	0.59	5.82	2.73	59.9	594	2.4	0.7	1229	0.6	1.7
Ah Soil	540912	SMI11000351	Y	2.03	20.96	5.63	45.8	229	4.5	2.7	152	0.7	106.9
Ah Soil	540911	SMI11000351	N	1.78	35.03	6.40	63.3	652	8.7	9.7	1619	4.0	8.7
Ah Soil	540910	SMI11000351	N	11.97	101.04	4.23	42.0	250	10.5	12.7	537	4.8	7.3
Ah Soil	540909	SMI11000351	Y	10.78	65.66	3.19	32.7	305	5.0	12.8	926	0.3	4.2
Ah Soil	540908	SMI11000351	N	35.15	90.14	5.00	46.6	637	6.9	47.1	4632	3.2	4.3
Ah Soil	540907	SMI11000351	N	2.81	78.16	4.48	36.6	198	9.1	9.4	407	2.9	7.7
Ah Soil	540906	SMI11000351	Y	1.12	6.67	7.97	67.4	356	1.9	0.9	502	0.2	2.1
Ah Soil	540905	SMI11000351	Y	3.71	52.94	11.62	20.8	404	2.5	1.4	1499	0.4	3.9
Ah Soil	540904	SMI11000351	N	0.93	4.95	4.12	62.3	110	1.3	0.6	2277	3.4	1.7
Ah Soil	540903	SMI11000351	N	1.40	6.27	4.87	48.8	730	1.1	0.7	454	3.4	3.2
Ah Soil	540902	SMI11000351	N	1.63	8.38	6.98	48.9	449	2.2	2.0	775	2.4	2.1
Ah Soil	540901	SMI11000351	Y	1.43	11.82	5.34	65.4	231	2.5	0.8	2320	0.6	4.7
Ah Soil	1115050	SMI11000351	N	2.11	10.11	3.99	48.1	304	3.6	0.8	1935	1.1	<0.2
Ah Soil	1115049	SMI11000351	N	2.51	12.52	4.10	29.5	238	2.5	0.7	100	0.8	1.9
Ah Soil	1115048	SMI11000351	N	2.28	30.38	6.71	30.1	315	2.6	2.7	392	0.4	0.9
Ah Soil	1115047	SMI11000351	N	2.33	15.61	5.00	30.0	1408	2.1	1.2	387	<0.1	9.2
Ah Soil	1115046	SMI11000351	N	7.81	82.30	14.97	83.6	898	5.6	19.4	9943	0.2	1.0
Ah Soil	1115045	SMI11000351	N	3.59	530.71	4.53	19.2	869	6.9	4.6	1316	1.1	3.2
Ah Soil	1115044	SMI11000351	N	2.24	16.70	5.89	45.3	4307	2.7	1.9	204	3.3	1.3
Ah Soil	540562	SMI11000354	N	1.29	5.99	7.66	17.3	442	2.7	2.0	546	0.5	2.0
Ah Soil	540561	SMI11000354	Y	1.18	6.83	7.26	33.1	466	2.8	2.3	2621	<0.1	4.4
Ah Soil	537944	SMI11000354	N	0.89	6.87	4.24	59.8	969	2.6	1.4	196	0.4	0.3
Ah Soil	540559	SMI11000354	N	0.63	7.14	5.20	19.1	917	1.7	0.6	764	0.4	1.6
Ah Soil	540558	SMI11000354	Y	0.73	8.68	5.09	26.7	1110	2.4	1.7	642	0.9	0.5
Ah Soil	537943	SMI11000354	Y	0.97	10.49	4.20	20.3	226	2.7	1.9	432	1.0	2.2
Ah Soil	537941	SMI11000354	Y	0.91	11.23	8.18	25.8	473	7.4	6.4	211	1.1	4.3
Ah Soil	540564	SMI11000354	Y	1.23	11.47	7.09	27.7	671	3.4	2.9	474	0.5	0.9
Ah Soil	537945	SMI11000354	N	1.35	13.30	12.77	54.7	1041	4.2	3.1	105	1.0	1.0
Ah Soil	537942	SMI11000354	N	1.41	14.57	9.31	25.0	378	7.7	7.4	996	0.6	2.9
Ah Soil	537950	SMI11000354	N	0.84	15.24	11.26	46.6	505	7.3	7.4	606	0.3	1.8
Ah Soil	540557	SMI11000354	N	0.67	16.67	4.30	17.8	528	4.9	6.5	131	1.0	2.4
Ah Soil	537938	SMI11000354	Y	1.03	18.10	4.19	50.0	65	2.5	0.8	118	0.2	6.6
Ah Soil	540551	SMI11000354	N	2.21	19.07	8.12	18.8	227	9.7	7.1	329	<0.1	0.8
Ah Soil	537940	SMI11000354	N	1.45	19.43	11.38	45.4	562	11.0	5.1	299	0.2	7.0
Ah Soil	537949	SMI11000354	N	1.09	23.81	8.84	75.9	969	11.3	9.8	747	0.6	2.1

Sample Type	Sample #	Certificate #	IS-0.5 g Analysis	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppb)	Ni (ppm)	Co (ppm)	Mn (ppm)	As (ppm)	Au (ppb)
Ah Soil	540563	SMI11000354	Y	0.92	25.64	3.79	56.2	453	3.4	0.8	1636	0.3	1.8
Ah Soil	537946	SMI11000354	N	3.97	33.64	7.10	28.3	650	10.5	17.9	836	1.0	6.2
Ah Soil	537939	SMI11000354	Y	1.52	37.64	7.70	19.4	2111	11.7	16.2	1054	0.8	3.1
Ah Soil	537948	SMI11000354	N	1.82	38.97	6.35	104.2	169	11.4	8.8	1118	1.0	3.2
Ah Soil	540560	SMI11000354	Y	1.04	41.10	4.06	53.2	246	2.1	0.6	2625	<0.1	4.1
Ah Soil	540554	SMI11000354	Y	3.15	43.36	4.63	69.7	157	6.6	7.2	5974	0.7	2.9
Ah Soil	540552	SMI11000354	N	1.50	59.48	2.76	18.9	203	5.2	0.9	307	<0.1	0.3
Ah Soil	540556	SMI11000354	Y	0.96	69.70	6.30	33.0	772	5.7	5.3	99	0.3	1.7
Ah Soil	537947	SMI11000354	N	3.54	70.02	3.51	59.7	232	12.3	14.0	1162	1.2	9.1
Ah Soil	540553	SMI11000354	Y	4.76	88.25	4.35	8.1	207	4.8	0.7	325	<0.1	1.1
Ah Soil	540555	SMI11000354	Y	1.83	91.73	5.35	32.0	250	2.9	1.7	210	0.8	3.8
Ah Soil	552021	SMI11000351	N	1.24	14.08	7.86	38.1	373	3.4	2.9	953	1.2	2.0
Ah Soil	552020	SMI11000351	Y	0.69	10.44	16.84	44.5	359	3.4	1.1	242	0.3	<0.2
Ah Soil	552019	SMI11000351	Y	0.60	7.20	6.50	34.3	177	2.1	1.1	217	0.4	0.5
Ah Soil	552018	SMI11000351	N	0.80	12.65	11.16	51.1	1263	5.6	1.8	144	1.2	1.8
Ah Soil	552017	SMI11000351	N	0.98	12.91	12.86	62.7	209	6.2	5.0	2368	1.7	4.5
Ah Soil	552016	SMI11000351	N	0.95	22.46	9.47	64.4	328	10.0	5.0	394	1.3	3.0
Ah Soil	552015	SMI11000351	Y	0.69	8.17	5.26	55.2	400	3.1	0.8	440	0.3	0.8
Ah Soil	552014	SMI11000351	N	0.98	16.88	6.43	57.0	466	7.7	5.9	962	2.6	4.4
Ah Soil	552013	SMI11000351	N	2.17	65.33	6.40	29.0	220	10.9	5.4	120	1.6	6.8
Ah Soil	552012	SMI11000351	Y	2.94	43.58	2.49	26.7	67	8.1	3.8	367	1.2	5.5
Ah Soil	552011	SMI11000351	Y	4.40	54.98	3.78	8.9	362	4.1	1.3	475	<0.1	1.7
Ah Soil	552010	SMI11000351	Y	11.77	31.78	3.45	8.5	74	2.3	0.8	280	0.2	0.2
Ah Soil	552009	SMI11000351	N	11.62	78.23	24.60	61.8	1329	8.6	26.3	9269	1.1	2.6
Ah Soil	552022	SMI11000351	Y	12.72	470.51	2.08	31.9	364	7.8	5.9	1933	0.2	1.3
Ah Soil	552023	SMI11000351	N	1.72	28.13	5.41	28.5	722	5.7	4.2	475	1.1	7.4
Ah Soil	552024	SMI11000351	Y	0.98	14.40	6.54	44.2	639	2.8	1.0	692	0.4	0.3
Ah Soil	552025	SMI11000351	Y	0.62	9.68	10.61	43.7	165	3.3	1.6	206	0.7	0.3
Ah Soil	552026	SMI11000351	Y	0.64	8.69	7.52	40.1	273	2.3	1.1	496	0.3	0.3
Ah Soil	552027	SMI11000351	N	2.05	84.87	5.39	51.3	241	13.6	11.6	430	1.4	10.9
Ah Soil	552028	SMI11000351	N	1.34	17.37	6.33	37.8	182	6.3	4.6	341	1.0	4.1
Ah Soil	552029	SMI11000351	Y	1.69	26.98	7.56	68.1	171	6.7	11.0	2728	0.7	2.7
Ah Soil	552030	SMI11000351	N	0.91	13.50	6.42	42.8	279	3.9	3.7	410	<0.1	2.1
Ah Soil	552031	SMI11000351	N	1.91	8.36	9.66	41.5	950	2.2	4.6	1915	<0.1	5.3
Ah Soil	552032	SMI11000351	Y	3.83	20.38	4.15	17.2	696	3.1	3.4	96	0.6	4.2
Ah Soil	552033	SMI11000351	Y	10.12	69.56	54.37	50.1	915	4.6	4.3	5091	0.4	1.9
Ah Soil	552034	SMI11000351	Y	1.56	9.84	8.42	33.4	543	2.9	2.3	383	0.5	13.2
Ah Soil	552035	SMI11000351	Y	0.95	9.41	8.79	25.7	785	2.2	1.7	255	0.4	3.1
Ah Soil	537935	SMI11000351	N	1.80	498.33	9.06	31.0	776	10.1	14.1	2625	0.7	3.0
Ah Soil	537952	SMI11000351	N	1.56	332.30	5.52	44.3	635	11.9	14.0	514	0.9	2.3
Ah Soil	537936	SMI11000351	N	0.78	8.84	7.49	81.3	1127	1.8	1.3	3881	0.4	2.5
Ah Soil	537953	SMI11000351	Y	0.55	6.65	4.93	41.8	233	2.0	0.5	540	0.3	1.5
Ah Soil	537954	SMI11000351	Y	0.92	12.57	8.87	21.7	196	3.9	3.4	258	0.5	0.2
Ah Soil	537937	SMI11000351	Y	0.82	9.59	8.65	29.6	497	3.7	2.0	229	0.2	1.3
Ah Soil	540567	SMI11000354	N	0.83	16.71	5.94	24.7	1517	3.8	3.0	259	0.2	9.7
Ah Soil	540566	SMI11000354	Y	1.40	42.98	5.06	49.2	265	1.8	0.8	111	0.3	2.1
Ah Soil	540565	SMI11000354	N	3.14	110.86	3.29	9.1	1489	1.5	0.4	646	0.2	1.7
Ah Soil	552191	SMI11000351	Y	5.61	15.83	5.03	27.2	154	2.3	2.0	120	0.4	<0.2
Ah Soil	552190	SMI11000351	N	1.03	6.88	5.35	39.9	128	1.1	0.6	133	0.2	1.0
Ah Soil	552189	SMI11000351	Y	1.80	14.88	2.50	26.4	53	1.5	0.5	126	<0.1	0.8
Ah Soil	552188	SMI11000351	N	0.64	5.04	2.09	12.8	107	0.9	0.3	57	0.1	0.2
Ah Soil	552187	SMI11000351	N	1.00	6.40	3.56	42.3	1160	1.8	1.6	817	0.3	3.8
Ah Soil	552186	SMI11000351	N	0.64	9.75	5.40	27.3	751	1.8	1.6	59	0.5	0.9
Ah Soil	552185	SMI11000351	N	0.96	35.81	13.46	12.2	217	2.8	1.5	451	0.4	1.3
Ah Soil	552184	SMI11000351	N	1.30	31.09	7.91	16.9	412	2.8	2.6	1163	0.3	0.8
Ah Soil	552183	SMI11000351	Y	2.74	48.35	4.69	8.4	482	3.3	3.0	892	0.3	0.3
Ah Soil	552182	SMI11000351	Y	0.90	11.38	3.44	26.8	170	1.7	0.4	203	<0.1	0.2
Ah Soil	552181	SMI11000351	Y	0.75	7.03	4.32	34.9	428	1.8	1.3	271	<0.1	<0.2
Ah Soil	552180	SMI11000351	Y	1.21	6.93	3.25	42.8	324	1.4	0.8	816	<0.1	<0.2
Ah Soil	552179	SMI11000351	Y	1.67	17.63	5.19	40.6	224	3.4	4.1	198	0.3	2.9
Ah Soil	552178	SMI11000351	N	1.79	33.01	4.74	38.0	133	4.0	4.9	999	0.5	2.0
Ah Soil	552177	SMI11000351	N	3.63	103.94	3.88	58.6	102	9.6	12.2	584	0.7	5.7
Ah Soil	552176	SMI11000351	N	3.69	21.15	7.07	28.4	119	3.2	2.3	267	0.2	0.9
Ah Soil	552175	SMI11000351	Y	3.93	12.06	5.26	19.6	134	4.2	3.9	209	0.2	0.7
Ah Soil	552174	SMI11000351	N	0.80	9.25	12.45	22.0	268	2.7	1.7	256	0.3	0.9
Ah Soil	552173	SMI11000351	N	7.51	11.13	6.76	29.1	92	5.6	12.4	2067	0.5	1.9

Sample Type	Sample #	Certificate #	IS-0.5 g Analysis	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppb)	Ni (ppm)	Co (ppm)	Mn (ppm)	As (ppm)	Au (ppb)
Ah Soil	552172	SMI11000351	Y	6.82	10.00	3.85	39.1	25	1.9	1.0	1371	0.2	1.2
Ah Soil	552171	SMI11000351	Y	3.74	40.72	4.16	31.9	123	3.1	8.8	1897	0.4	1.4
Ah Soil	552170	SMI11000351	Y	3.14	69.40	1.92	20.0	122	3.4	5.7	2635	0.4	2.5
Ah Soil	552169	SMI11000351	N	1.94	299.99	3.22	11.9	864	7.1	2.3	576	<0.1	5.2
Ah Soil	552168	SMI11000351	N	3.02	161.18	3.88	71.4	350	16.8	21.5	930	1.3	9.6
Ah Soil	552167	SMI11000351	Y	1.33	15.26	5.79	42.7	584	3.5	4.1	1841	0.4	0.8
Ah Soil	552166	SMI11000351	Y	2.18	16.98	6.30	39.6	703	3.7	4.3	738	0.4	1.1
Ah Soil	552165	SMI11000351	Y	1.09	9.58	7.25	34.0	369	2.0	1.7	472	<0.1	1.0
Ah Soil	552164	SMI11000351	Y	1.12	6.72	3.78	56.6	595	1.9	2.4	3066	0.1	0.8
Ah Soil	552163	SMI11000351	N	5.09	8.23	3.58	11.8	313	6.0	3.1	259	<0.1	1.2
Ah Soil	552162	SMI11000351	N	2.71	7.52	4.24	29.3	433	3.7	2.3	345	<0.1	1.1
Ah Soil	552161	SMI11000351	N	1.54	101.72	6.69	66.9	155	6.6	15.8	1715	<0.1	2.1
Ah Soil	552160	SMI11000351	N	0.63	42.25	5.43	33.8	699	4.3	4.0	421	<0.1	<0.2
Ah Soil	552192	SMI11000351	N	2.10	9.31	4.38	32.5	542	1.6	1.6	356	0.2	0.3
Ah Soil	552193	SMI11000351	N	1.44	63.90	5.54	47.3	634	4.2	3.4	3791	0.4	0.8
Ah Soil	552194	SMI11000351	N	1.11	7.06	4.07	23.2	186	1.0	0.4	332	0.3	0.8
Ah Soil	552195	SMI11000351	N	0.95	6.25	6.77	40.5	398	1.5	1.4	4048	<0.1	1.4
Ah Soil	552196	SMI11000351	Y	1.60	12.13	9.81	32.9	817	2.2	1.4	239	0.5	<0.2
Ah Soil	552197	SMI11000351	Y	0.88	8.66	5.30	73.9	327	1.7	1.2	954	0.1	<0.2
Ah Soil	1115060	SMI11000351	N	3.52	106.24	3.51	14.8	468	4.0	4.6	411	0.4	4.0
Ah Soil	1115059	SMI11000351	N	4.41	39.80	6.47	17.3	395	3.1	5.5	1355	0.3	3.8
Ah Soil	1115058	SMI11000351	N	0.51	10.74	6.03	20.4	475	2.5	1.9	95	0.6	13.2
Ah Soil	1115057	SMI11000351	N	0.83	12.92	7.64	19.3	415	3.9	3.0	95	1.0	3.7
Ah Soil	1115056	SMI11000351	N	1.00	11.51	7.32	28.3	978	2.6	1.9	228	1.2	1.3
Ah Soil	1115055	SMI11000351	N	1.07	7.96	6.83	14.5	438	1.5	1.6	307	0.6	3.2
Ah Soil	1115054	SMI11000351	N	1.06	8.39	6.42	12.8	993	2.2	4.0	783	0.7	3.6
Ah Soil	1115053	SMI11000351	N	1.00	8.27	6.59	15.7	392	3.0	2.6	103	0.6	9.5
Ah Soil	1115052	SMI11000351	N	0.41	21.63	9.04	16.9	1095	4.3	4.9	89	0.6	4.9
Ah Soil	1115051	SMI11000351	N	0.42	8.01	8.51	19.6	254	2.4	0.8	83	<0.1	8.3
Ah Soil	1115150	SMI11000351	N	0.53	7.25	5.70	11.4	863	2.2	2.0	983	0.9	2.9
Ah Soil	1115149	SMI11000351	N	0.78	12.37	5.35	28.8	1117	4.5	6.0	268	1.3	18.0
Ah Soil	1115148	SMI11000351	N	0.72	22.21	5.60	31.1	980	6.5	6.9	1216	1.2	1.8
Ah Soil	1115147	SMI11000351	N	1.83	36.01	8.54	49.8	1807	11.5	6.8	1233	2.4	2.6
Ah Soil	1115146	SMI11000351	N	1.66	32.13	5.05	30.5	1657	7.9	6.4	310	1.0	9.5
Ah Soil	1115145	SMI11000351	N	6.76	25.09	2.44	18.8	269	11.6	6.2	1113	5.8	1.9
Ah Soil	1115144	SMI11000351	Y	1.38	52.34	7.45	29.3	1158	13.1	5.8	100	1.0	4.5
Ah Soil	1115143	SMI11000351	N	2.43	98.40	6.26	26.1	295	9.6	6.7	256	1.6	9.8
Ah Soil	1115142	SMI11000351	N	1.39	13.08	5.89	21.0	134	3.2	2.1	101	1.4	3.7
Ah Soil	1115141	SMI11000351	N	1.34	8.54	6.67	17.5	289	2.6	2.1	87	1.1	8.5
Ah Soil	1115140	SMI11000351	N	1.91	17.91	5.09	10.0	201	2.6	2.1	123	0.8	0.8
Ah Soil	1115139	SMI11000351	N	0.73	8.66	5.04	26.5	787	3.3	3.8	514	1.0	1.1
Ah Soil	1115138	SMI11000351	N	1.12	8.05	4.13	19.3	215	2.0	1.6	286	1.1	2.5
Ah Soil	1115137	SMI11000351	N	4.43	20.16	6.25	37.8	822	7.1	5.1	1322	0.8	2.5
Ah Soil	1115136	SMI11000351	N	2.56	13.74	6.19	29.8	588	6.2	3.8	87	0.5	0.7
Ah Soil	1115135	SMI11000351	N	1.10	6.33	4.14	18.1	232	2.6	0.9	95	0.2	1.0
Ah Soil	1115134	SMI11000351	N	1.07	7.45	2.68	11.0	279	2.3	0.6	45	<0.1	1.4
Ah Soil	1115061	SMI11000351	N	5.89	251.25	6.43	16.7	861	6.6	51.7	3629	<0.1	2.1
Ah Soil	1115062	SMI11000351	N	0.40	6.29	3.14	18.8	699	1.5	2.4	178	<0.1	4.1
Ah Soil	1115063	SMI11000351	N	0.63	10.93	4.21	13.7	248	3.0	3.2	101	<0.1	9.5
Ah Soil	1115064	SMI11000351	N	0.49	8.59	8.11	30.6	503	1.9	1.5	188	0.7	2.8
Ah Soil	1115065	SMI11000351	N	1.85	228.85	2.55	9.8	836	5.9	2.5	251	<0.1	5.3
Ah Soil	1115066	SMI11000351	Y	1.51	11.38	5.52	20.8	263	1.4	0.8	140	0.3	3.1

Appendix D – Maps of Sample Locations and Results

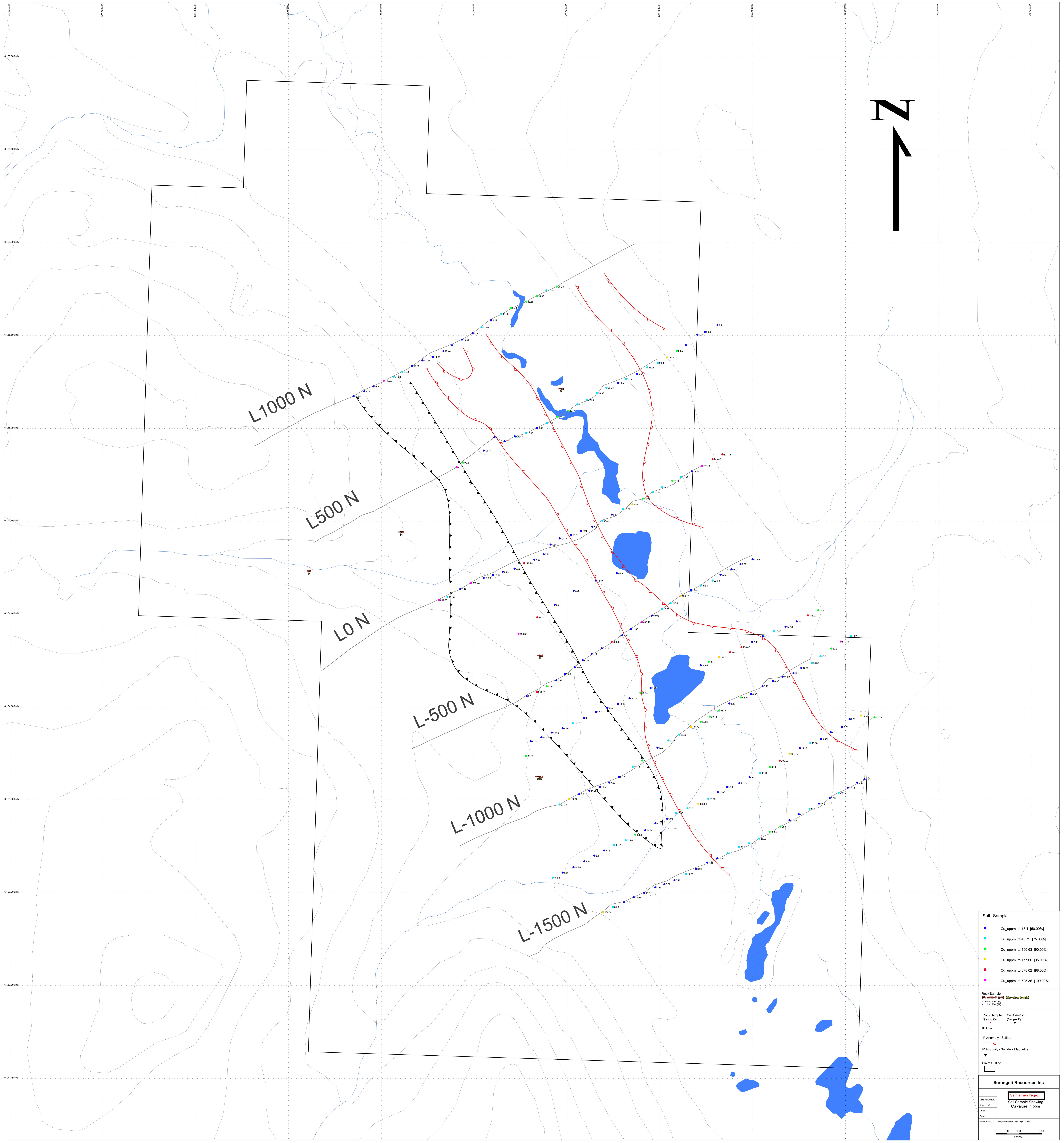


Rock Sample (Sample ID) ●
 Soil Sample (Sample ID) ●
 IP Line —
 IP Anomaly - Sulfide —
 IP Anomaly - Sulfide + Magnetite ▲
 Claim Outline

Serengeti Resources Inc
 Date: 08/01/2012
 Author: LP
 Title:
 Drawn:
 Scale: 1:5000 Projection: UTM Zone 18 S (NAD 83)

Common Project
 Samples Showing
 Rock and Soil Sample ID

0 50 100 200
 meters



Soil Sample

- Cu_{uppm} to 15.4 (50.00%)
- Cu_{uppm} to 40.72 (75.00%)
- Cu_{uppm} to 100.63 (60.00%)
- Cu_{uppm} to 177.66 (95.00%)
- Cu_{uppm} to 378.02 (98.00%)
- Cu_{uppm} to 725.36 (100.00%)

Rock Sample
 (Cu values in ppm) (Sulfide in ppm)
 ● 0 to 250 (25)
 ● 0 to 250 (25)

Rock Sample (Sample ID) Soil Sample (Sample ID)
 ● ●

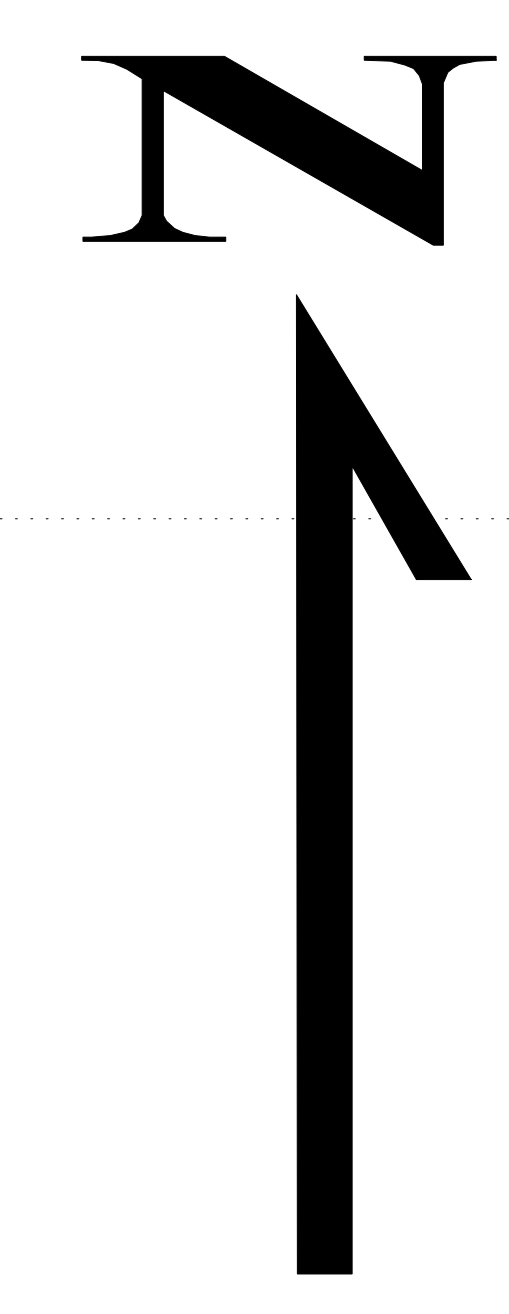
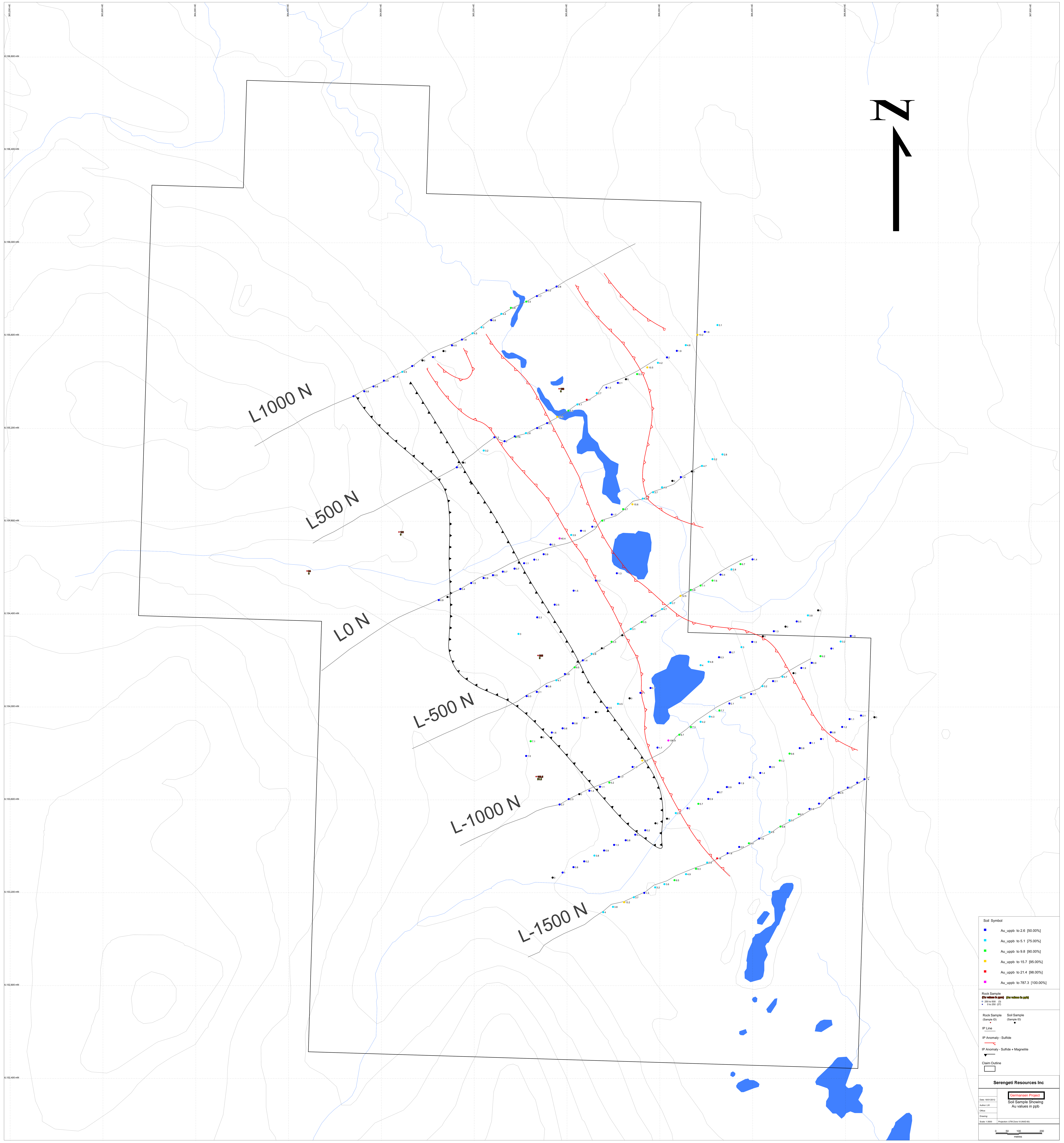
IP Line
 IP Anomaly - Sulfide
 IP Anomaly - Sulfide + Magnetite

Claim Outline
 □

Serengeti Resources Inc

Scale 1:5000 Projection UTM Zone 18 S (MGS 83)

0 50 100 200 meters



Soil Symbol

- Au_{upper} to 2.6 [50.00%]
- Au_{upper} to 5.1 [75.00%]
- Au_{upper} to 9.8 [90.00%]
- Au_{upper} to 15.7 [95.00%]
- Au_{upper} to 21.4 [98.00%]
- Au_{upper} to 787.3 [100.00%]

Rock Sample
● 0 to 100 (25)
● 0 to 200 (25)

Rock Sample (Sample ID) **Soil Sample (Sample ID)**

IP Line

IP Anomaly - Sulfide

IP Anomaly - Sulfide + Magnetite

Claim Outline

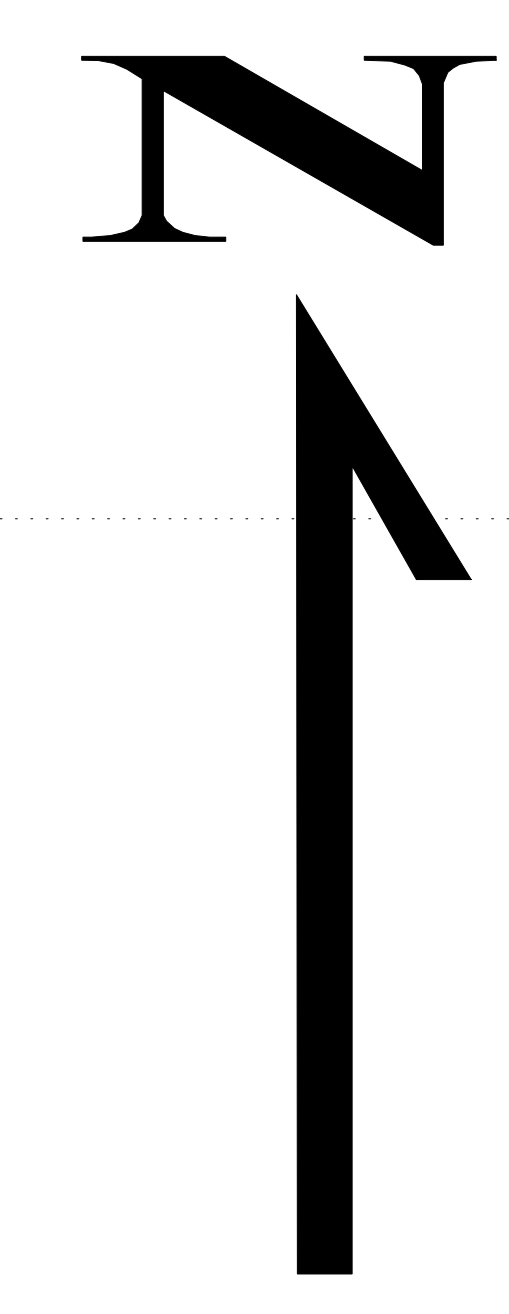
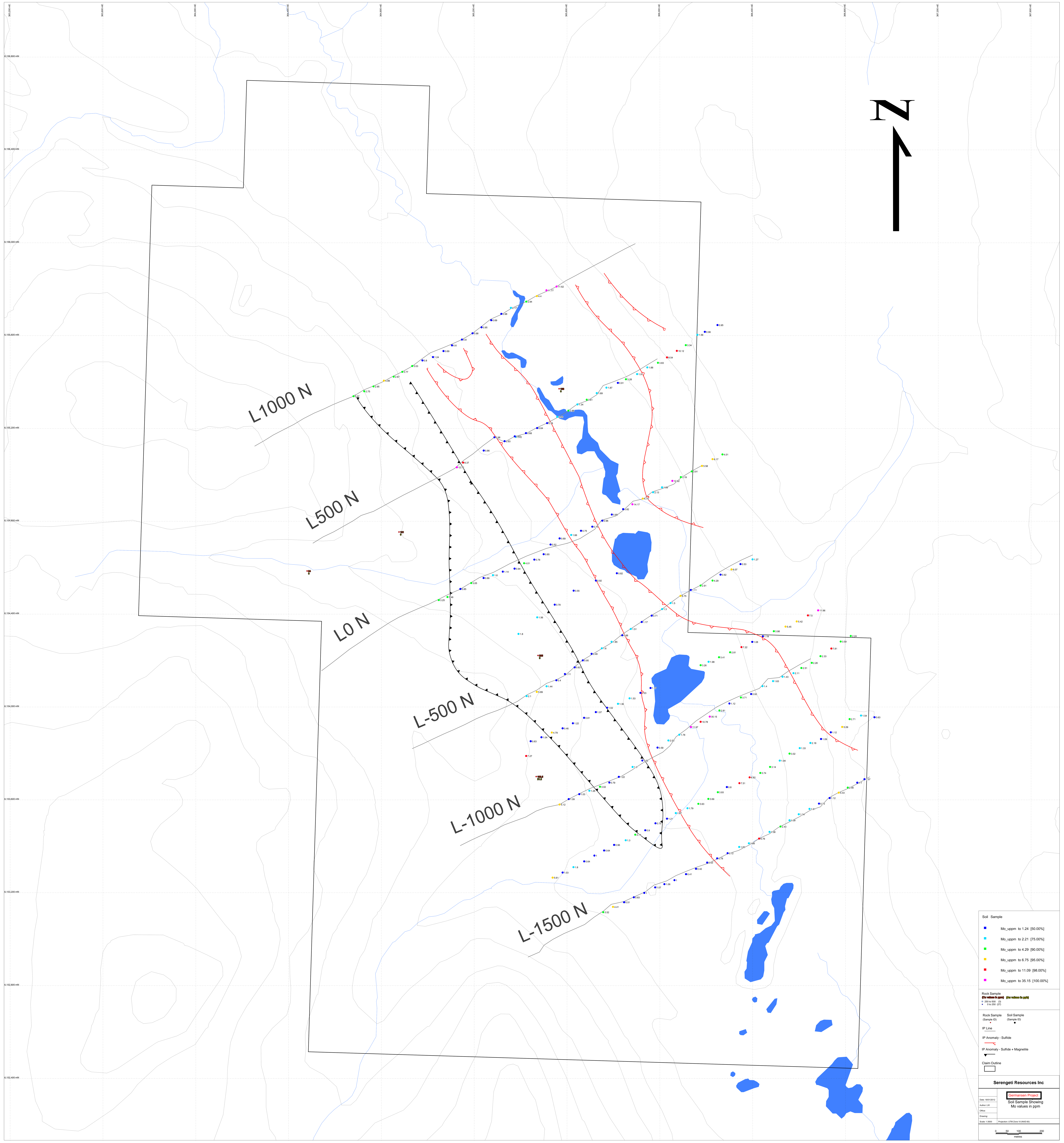
Serengeti Resources Inc

Confidential Project

Soil Sample Showing Au values in ppb

Date: 10/01/2012
 Author: LWF
 Title:
 Drawn:
 Scale: 1:5000 Projection: UTM Zone 18 S (WGS 84)

0 50 100 200 meters



L1000 N

L500 N

L0 N

L-500 N

L-1000 N

L-1500 N

Soil Sample	
■	Mo_upper to 1.24 (50.00%)
■	Mo_upper to 2.21 (75.00%)
■	Mo_upper to 4.29 (90.00%)
■	Mo_upper to 6.75 (95.00%)
■	Mo_upper to 11.09 (98.00%)
■	Mo_upper to 35.15 (100.00%)

Rock Sample	
■	Mo_upper to 2.21 (75.00%)
■	Mo_upper to 35.15 (100.00%)

Rock Sample (Sample ID)	Soil Sample (Sample ID)
●	●

IP Line

IP Anomaly - Sulfide

IP Anomaly - Sulfide + Magnetite

Claim Outline

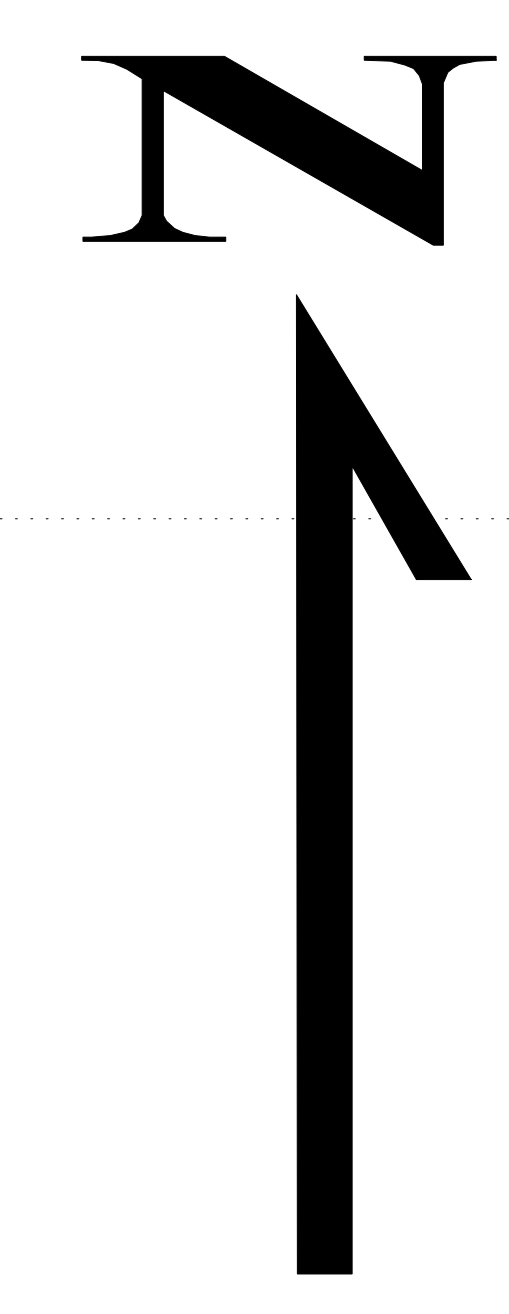
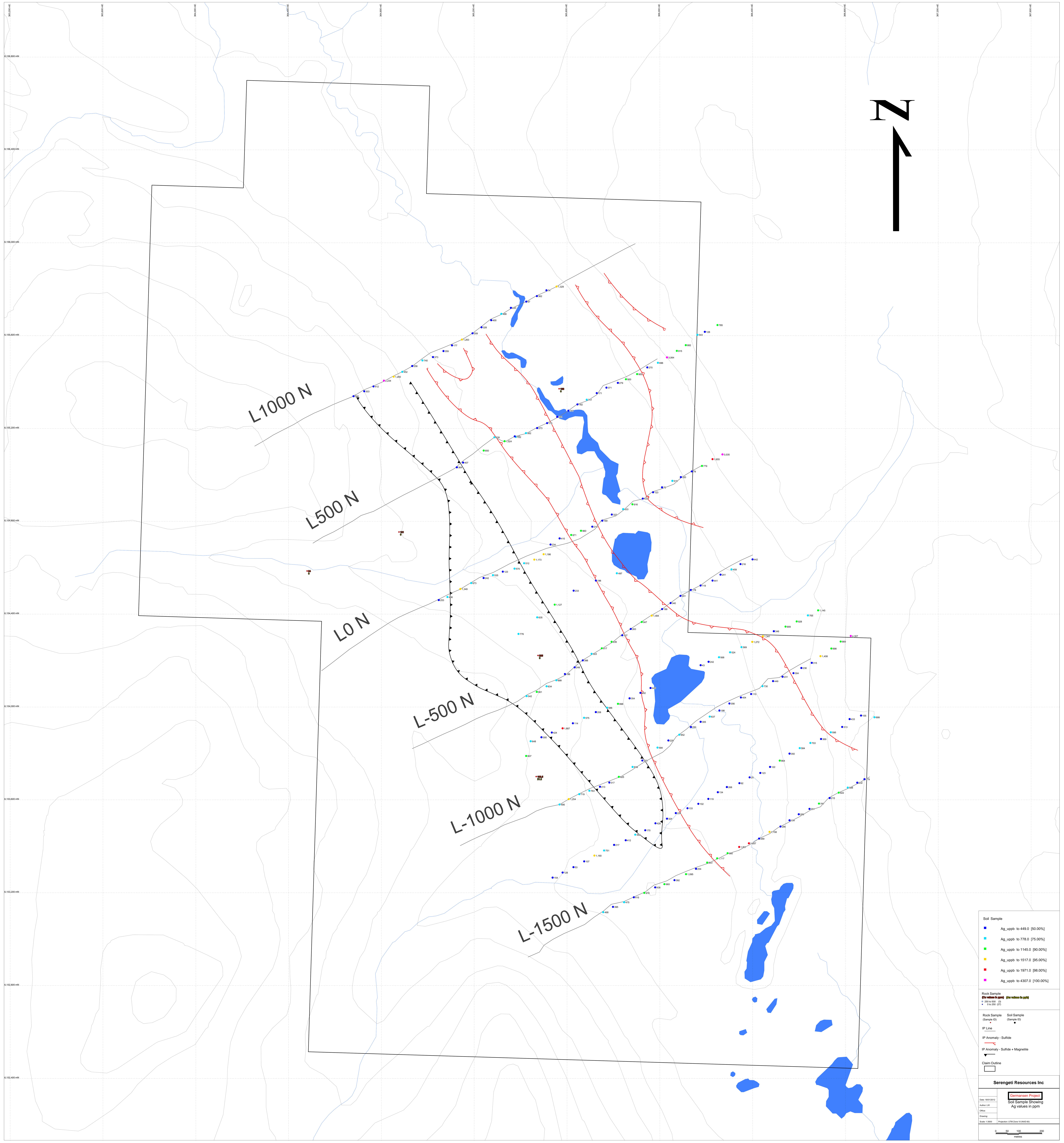
Serengeti Resources Inc

Demonstration Project

Soil Sample Showing Mo values in ppm

Scale 1:5000 Projection UTM Zone 18 S (NAD 83)

0 50 100 200 meters



Soil Sample

- Ag_upper to 449.0 (50.00%)
- Ag_upper to 778.0 (75.00%)
- Ag_upper to 1145.0 (90.00%)
- Ag_upper to 1517.0 (95.00%)
- Ag_upper to 1971.0 (98.00%)
- Ag_upper to 4307.0 (100.00%)

Rock Sample
(**Ag values in ppm**) (**Sr values in ppm**)

- 0 to 250 (25)
- 0 to 250 (25)

Rock Sample (Sample ID) **Soil Sample (Sample ID)**

IP Line

IP Anomaly - Sulfide

IP Anomaly - Sulfide + Magnetite

Claim Outline

Serengeti Resources Inc

Continuation Sheet

Soil Sample Showing Ag values in ppm

Scale 1:5000 Projection UTM Zone 18 S (MGS 83)

0 50 100 200 meters

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: Hugh Samson

Receiving Lab: Canada-Smithers

Received: August 25, 2011

Report Date: September 10, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI11000342.1

CLIENT JOB INFORMATION

Project: Aug 12, 2011 Shipment
Shipment ID: Aug-11
P.O. Number
Number of Samples: 42

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	42	Crush, split and pulverize 250 g rock to 200 mesh			SMI
1DX3	42	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: Dave Moore
Dustin Perry



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: Aug 12, 2011 Shipment
Report Date: September 10, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI11000342.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
537955	Rock	0.55	1.1	85.5	3.3	36	0.1	6.9	14.8	1017	3.68	1.3	3.1	2.2	34	0.2	0.6	<0.1	50	0.55	0.194
537956	Rock	0.88	0.9	9.8	2.2	37	<0.1	5.4	10.3	641	2.67	0.6	10.7	1.3	37	<0.1	0.5	<0.1	45	0.40	0.134
537957	Rock	0.59	2.3	85.3	2.5	30	0.2	4.0	10.3	608	2.80	2.4	14.1	2.8	34	0.1	0.3	<0.1	31	0.87	0.102
537958	Rock	0.99	2.8	70.0	3.0	28	0.1	3.0	9.5	988	2.93	3.3	9.2	4.0	29	0.2	1.3	<0.1	31	0.72	0.138
537959	Rock	0.98	2.7	89.3	2.3	15	0.2	2.4	4.0	633	2.76	2.4	42.0	1.7	32	0.2	0.3	<0.1	27	0.77	0.141
540958	Rock	0.77	1.5	51.7	2.2	14	<0.1	3.2	6.1	352	2.30	<0.5	130.1	2.4	10	<0.1	<0.1	0.1	33	0.14	0.075
541942	Rock	0.35	<0.1	108.5	0.2	37	<0.1	17.0	21.9	422	5.17	<0.5	21.2	<0.1	74	<0.1	0.2	<0.1	126	1.29	0.218
541722	Rock	0.46	17.2	118.0	1.1	10	0.2	6.8	11.2	109	4.03	<0.5	12.1	0.7	58	<0.1	<0.1	<0.1	22	0.54	0.101
541723	Rock	1.36	2.6	99.4	0.5	27	<0.1	33.9	17.2	288	2.47	<0.5	2.5	0.2	97	<0.1	<0.1	<0.1	73	1.30	0.053
541897	Rock	0.60	4.5	503.6	1.8	21	0.2	16.3	8.3	176	2.70	0.8	5.3	0.5	212	<0.1	<0.1	0.2	31	1.27	0.069
541898	Rock	0.77	49.8	79.5	0.2	17	0.1	20.1	12.8	298	2.59	0.7	13.9	0.2	19	<0.1	0.1	<0.1	49	0.74	0.059
541899	Rock	1.01	0.2	20.1	0.5	30	<0.1	11.7	7.5	303	0.85	<0.5	1.4	0.1	38	<0.1	<0.1	<0.1	9	0.41	0.038
541900	Rock	0.88	5.7	89.2	1.6	34	0.1	7.3	14.4	200	3.64	<0.5	<0.5	0.6	82	<0.1	<0.1	<0.1	39	0.89	0.051
541907	Rock	0.61	0.4	1291	2.6	48	0.6	1.5	9.3	799	2.28	0.9	8.2	2.7	285	0.1	0.4	<0.1	127	3.35	0.093
1115001	Rock	0.96	1.1	176.5	1.1	16	0.1	17.0	16.9	143	2.91	<0.5	0.7	0.3	84	<0.1	<0.1	<0.1	36	0.85	0.052
1115002	Rock	0.84	1.7	141.6	0.9	16	<0.1	9.4	9.9	178	2.46	<0.5	1.3	0.3	93	<0.1	<0.1	<0.1	46	0.94	0.049
1115129	Rock	0.78	0.6	56.8	1.0	7	<0.1	4.3	6.2	127	1.95	<0.5	<0.5	1.9	32	<0.1	<0.1	<0.1	24	0.54	0.078
1115130	Rock	0.76	0.1	40.7	0.9	17	<0.1	1.3	3.2	194	1.26	<0.5	<0.5	0.8	73	<0.1	<0.1	<0.1	13	0.71	0.052
1115003	Rock	0.45	3.5	2359	1.2	62	1.7	633.5	105.8	415	4.22	3.8	67.5	<0.1	15	0.4	0.1	<0.1	111	0.47	0.117
1115004	Rock	0.89	0.2	8.1	0.7	19	<0.1	5.2	13.0	455	3.74	0.6	<0.5	1.0	43	<0.1	<0.1	<0.1	113	0.90	0.116
1115005	Rock	0.72	2.1	51.4	3.3	34	0.2	4.3	9.0	360	2.72	1.0	14.0	3.0	43	0.2	<0.1	0.3	40	0.57	0.080
1115006	Rock	0.96	2.2	16.0	1.5	18	<0.1	4.4	8.0	286	1.99	1.0	<0.5	0.8	86	<0.1	<0.1	0.1	49	0.91	0.179
1115007	Rock	0.93	4.2	29.2	1.8	23	<0.1	3.0	10.4	318	2.72	<0.5	<0.5	0.7	31	<0.1	<0.1	0.2	63	0.85	0.156
1115008	Rock	0.93	5.1	22.2	2.2	15	<0.1	1.6	3.0	195	2.51	<0.5	1.1	2.8	29	<0.1	<0.1	0.7	49	0.30	0.081
1115009	Rock	0.85	8.4	50.4	0.8	18	0.1	24.8	13.2	244	3.59	<0.5	0.8	0.2	31	<0.1	<0.1	0.7	112	0.76	0.023
1115010	Rock	0.84	46.7	27.2	1.0	21	<0.1	21.1	10.0	304	2.00	<0.5	<0.5	0.3	42	<0.1	<0.1	0.1	53	0.90	0.074
1115011	Rock	0.80	165.8	50.4	2385	31	0.9	2.5	5.9	273	3.67	<0.5	10.1	0.2	25	<0.1	0.2	1.6	81	0.34	0.070
1115012	Rock	1.11	2.7	79.1	3.0	15	0.1	26.7	13.2	213	5.05	<0.5	<0.5	0.2	8	<0.1	<0.1	0.3	138	0.74	0.007
1115013	Rock	0.77	4.7	29.7	9.9	22	<0.1	21.0	8.1	277	2.48	<0.5	<0.5	0.3	34	<0.1	<0.1	0.3	66	0.76	0.099
541913	Rock	0.59	15.8	41.4	1.5	30	<0.1	1.3	3.7	247	2.16	0.8	2.5	0.9	56	<0.1	<0.1	0.2	26	0.38	0.089



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: Aug 12, 2011 Shipment
 Report Date: September 10, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

SMI11000342.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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	0.1	0.01	0.05	1	0.5	0.2	
537955	Rock	11	10	0.40	88	0.021	<1	0.68	0.047	0.19	0.1	<0.01	5.4	<0.1	<0.05	2	<0.5	<0.2
537956	Rock	8	8	0.65	292	0.012	<1	1.00	0.033	0.27	0.1	<0.01	3.0	<0.1	0.12	3	<0.5	<0.2
537957	Rock	6	5	0.36	58	0.004	<1	0.55	0.035	0.23	0.2	<0.01	2.0	<0.1	0.05	2	<0.5	<0.2
537958	Rock	12	4	0.08	57	0.006	<1	0.26	0.055	0.14	0.3	<0.01	4.3	<0.1	<0.05	1	<0.5	<0.2
537959	Rock	8	3	0.18	50	0.006	<1	0.36	0.046	0.18	0.3	<0.01	3.0	<0.1	0.11	1	<0.5	<0.2
540958	Rock	7	3	0.40	39	0.004	1	0.69	0.055	0.13	0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
541942	Rock	2	46	1.32	110	0.110	<1	1.18	0.038	0.48	0.3	<0.01	3.1	<0.1	<0.05	3	<0.5	<0.2
541722	Rock	3	8	0.40	32	0.058	<1	0.81	0.100	0.10	1.4	<0.01	0.7	<0.1	1.54	3	1.3	<0.2
541723	Rock	<1	75	1.01	124	0.134	<1	2.45	0.260	0.47	0.9	<0.01	2.5	0.2	0.56	5	<0.5	<0.2
541897	Rock	4	16	0.39	34	0.093	<1	2.29	0.279	0.08	0.2	<0.01	1.6	<0.1	0.76	5	4.5	0.3
541898	Rock	<1	30	1.00	22	0.183	<1	1.17	0.029	0.10	0.6	<0.01	2.1	<0.1	0.19	3	<0.5	<0.2
541899	Rock	<1	14	0.67	75	0.039	<1	0.82	0.046	0.08	0.1	<0.01	0.5	<0.1	0.16	2	<0.5	<0.2
541900	Rock	2	9	0.55	20	0.117	<1	1.55	0.170	0.05	1.4	<0.01	2.3	<0.1	1.19	4	2.2	<0.2
541907	Rock	12	3	0.49	223	0.108	3	0.96	0.025	0.28	0.3	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1115001	Rock	1	10	0.38	56	0.099	<1	1.36	0.168	0.12	0.1	<0.01	1.7	<0.1	0.99	3	4.6	<0.2
1115002	Rock	1	9	0.48	48	0.106	<1	1.63	0.143	0.12	0.1	<0.01	2.0	<0.1	0.60	4	3.8	<0.2
1115129	Rock	6	7	0.25	8	0.099	<1	0.58	0.072	0.05	0.7	<0.01	1.0	<0.1	0.47	2	<0.5	<0.2
1115130	Rock	4	3	0.34	61	0.062	<1	0.60	0.059	0.13	0.1	<0.01	0.3	<0.1	0.29	2	<0.5	<0.2
1115003	Rock	<1	276	1.98	42	0.131	<1	1.92	0.046	0.10	0.3	0.03	3.1	<0.1	2.02	7	5.6	0.4
1115004	Rock	2	4	1.32	120	0.118	<1	1.54	0.051	0.41	0.3	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
1115005	Rock	5	4	0.62	85	0.082	<1	0.81	0.058	0.29	5.1	<0.01	1.5	<0.1	1.11	4	<0.5	0.2
1115006	Rock	2	2	0.77	35	0.084	<1	0.98	0.062	0.11	4.6	<0.01	1.4	<0.1	0.23	4	<0.5	<0.2
1115007	Rock	3	2	0.74	44	0.099	<1	0.95	0.065	0.19	4.7	<0.01	1.4	<0.1	0.45	4	<0.5	<0.2
1115008	Rock	5	3	0.44	97	0.114	<1	0.59	0.070	0.11	20.3	<0.01	1.6	<0.1	0.42	4	<0.5	<0.2
1115009	Rock	<1	88	0.88	21	0.231	<1	0.91	0.057	0.11	17.0	<0.01	4.2	<0.1	0.41	4	<0.5	0.3
1115010	Rock	2	70	0.89	58	0.108	<1	0.97	0.099	0.19	9.5	<0.01	3.7	<0.1	0.39	3	<0.5	<0.2
1115011	Rock	1	3	0.91	21	0.139	<1	0.93	0.046	0.10	60.7	<0.01	2.9	<0.1	0.99	5	0.8	0.9
1115012	Rock	<1	174	0.63	9	0.180	<1	0.39	0.041	0.05	18.3	<0.01	4.6	<0.1	0.61	3	<0.5	<0.2
1115013	Rock	2	61	0.88	46	0.131	<1	0.89	0.073	0.19	23.7	<0.01	3.4	<0.1	0.39	4	<0.5	<0.2
541913	Rock	5	<1	0.77	29	0.118	<1	0.90	0.070	0.07	0.6	<0.01	0.6	<0.1	0.28	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

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

Project: Aug 12, 2011 Shipment
 Report Date: September 10, 2011

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI11000342.1

	Method Analyte Unit MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		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	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
541914	Rock	0.75	34.8	58.7	1.3	24	<0.1	32.9	16.8	250	2.31	<0.5	0.6	0.2	49	<0.1	<0.1	0.2	58	0.77	0.057	
541915	Rock	0.95	7.8	83.0	1.3	32	0.1	1.7	5.6	230	2.49	<0.5	1.3	0.5	98	<0.1	<0.1	<0.1	36	0.81	0.127	
552001	Rock	0.79	5.9	456.4	2.3	4	1.3	1.6	6.1	105	22.38	9.1	388.8	0.4	58	<0.1	0.6	1.1	92	0.03	0.077	
552002	Rock	0.55	0.2	5243	0.9	6	<0.1	10.1	79.4	404	0.50	4.5	6.4	0.4	49	0.1	0.2	<0.1	27	1.11	0.148	
1115033	Rock	0.31	2.1	151.8	0.9	21	0.4	28.2	33.0	213	3.98	<0.5	47.9	0.3	17	<0.1	0.2	0.1	37	0.43	0.036	
1115034	Rock	0.51	0.5	964.6	0.6	16	0.2	50.9	57.0	237	3.70	0.9	26.5	<0.1	24	0.1	0.2	<0.1	42	0.61	0.084	
1115035	Rock	0.44	0.2	322.9	0.6	28	0.2	36.7	36.3	300	2.42	0.8	11.9	<0.1	18	0.1	<0.1	<0.1	37	0.74	0.068	
1115036	Rock	0.67	0.6	1228	1.6	39	4.7	32.4	68.7	524	11.85	5.9	518.0	0.3	28	0.1	0.1	0.2	85	1.03	0.014	
1115037	Rock	0.47	29.0	639.8	2.3	3	1.2	2.3	3.5	32	24.19	6.4	953.6	0.1	51	<0.1	0.2	0.6	140	0.03	0.054	
1115040	Rock	0.69	2.4	275.1	2.8	44	1.2	23.5	25.4	358	21.62	34.2	94.1	0.4	14	<0.1	0.4	0.2	46	0.28	0.024	
1115041	Rock	1.40	1.5	523.2	2.8	37	1.1	7.3	85.4	567	14.85	74.2	120.5	0.3	13	<0.1	1.2	0.2	59	0.30	0.050	
1115133	Rock	1.24	0.9	3804	7.3	15	5.1	1.4	5.2	204	1.19	13.3	29.9	0.8	39	0.1	1.9	6.8	18	0.95	0.084	



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: Aug 12, 2011 Shipment
 Report Date: September 10, 2011

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

SMI11000342.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		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	0.1	0.01	0.1	0.05	1	0.5	0.2	
541914	Rock	<1	40	0.99	63	0.189	<1	1.17	0.059	0.30	0.4	<0.01	2.7	<0.1	0.60	4	<0.5	0.3
541915	Rock	6	2	0.59	35	0.111	<1	1.03	0.082	0.10	0.3	<0.01	0.7	<0.1	0.71	4	0.6	<0.2
552001	Rock	1	23	0.03	57	0.084	<1	0.13	0.219	0.26	0.4	0.04	1.1	<0.1	1.16	10	9.3	1.9
552002	Rock	4	10	0.15	11	0.106	<1	0.67	0.052	0.03	0.2	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1115033	Rock	<1	18	1.01	6	0.153	2	1.06	0.081	0.02	0.2	<0.01	1.7	<0.1	3.03	3	4.6	0.2
1115034	Rock	<1	30	0.78	33	0.094	2	0.97	0.051	0.11	0.2	0.04	2.7	<0.1	3.01	2	3.3	0.2
1115035	Rock	<1	65	1.08	30	0.128	<1	1.05	0.055	0.06	0.2	<0.01	2.4	<0.1	1.04	2	3.7	<0.2
1115036	Rock	2	152	2.56	127	0.026	1	2.59	0.112	0.32	<0.1	0.02	7.9	<0.1	0.62	7	7.6	1.0
1115037	Rock	5	22	0.01	35	0.085	1	0.31	0.184	1.36	0.2	0.10	3.2	0.2	3.02	7	10.7	4.3
1115040	Rock	1	21	0.62	89	0.087	<1	1.22	0.008	0.04	1.4	0.01	2.3	<0.1	0.74	5	3.3	0.9
1115041	Rock	1	26	0.77	41	0.148	<1	1.53	0.020	0.10	<0.1	0.04	2.1	<0.1	2.03	5	6.0	1.3
1115133	Rock	8	1	0.07	617	0.001	4	0.40	0.032	0.29	<0.1	1.18	1.5	0.1	0.19	2	0.6	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: Aug 12, 2011 Shipment
 Report Date: September 10, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

SMI11000342.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
540958	Rock	0.77	1.5	51.7	2.2	14	<0.1	3.2	6.1	352	2.30	<0.5	130.1	2.4	10	<0.1	<0.1	0.1	33	0.14	0.075
REP 540958	QC		1.4	50.7	2.2	15	<0.1	3.1	6.1	334	2.24	<0.5	170.9	2.3	10	<0.1	<0.1	<0.1	32	0.12	0.077
1115012	Rock	1.11	2.7	79.1	3.0	15	0.1	26.7	13.2	213	5.05	<0.5	<0.5	0.2	8	<0.1	<0.1	0.3	138	0.74	0.007
REP 1115012	QC		3.3	75.9	5.5	15	0.1	25.2	13.0	211	5.05	<0.5	<0.5	0.2	8	<0.1	<0.1	0.3	139	0.75	0.008
1115033	Rock	0.31	2.1	151.8	0.9	21	0.4	28.2	33.0	213	3.98	<0.5	47.9	0.3	17	<0.1	0.2	0.1	37	0.43	0.036
REP 1115033	QC		2.1	155.2	0.9	22	0.4	29.3	32.7	214	4.00	0.5	47.1	0.3	17	<0.1	0.1	<0.1	36	0.44	0.035
Reference Materials																					
STD DS8	Standard		11.8	112.0	133.9	317	1.8	38.4	7.6	635	2.51	25.0	115.6	7.2	66	2.4	5.6	7.7	40	0.66	0.077
STD DS8	Standard		12.6	111.0	130.2	326	1.9	38.0	7.5	628	2.54	25.8	110.9	6.5	66	2.4	5.5	6.9	42	0.73	0.084
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank		0.1	2.0	3.2	41	<0.1	3.0	3.8	528	1.88	<0.5	2.7	5.1	57	<0.1	<0.1	0.2	33	0.40	0.072
G1	Prep Blank		0.1	1.5	3.7	45	<0.1	3.0	3.8	559	1.90	<0.5	0.6	5.5	51	<0.1	<0.1	0.1	34	0.42	0.075



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: Aug 12, 2011 Shipment
 Report Date: September 10, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI11000342.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
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																		
540958	Rock	7	3	0.40	39	0.004	1	0.69	0.055	0.13	0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 540958	QC	7	3	0.39	38	0.004	1	0.66	0.052	0.13	0.2	<0.01	2.3	<0.1	<0.05	2	<0.5	<0.2
1115012	Rock	<1	174	0.63	9	0.180	<1	0.39	0.041	0.05	18.3	<0.01	4.6	<0.1	0.61	3	<0.5	<0.2
REP 1115012	QC	<1	169	0.64	9	0.182	<1	0.38	0.041	0.05	18.6	<0.01	4.5	<0.1	0.62	3	<0.5	<0.2
1115033	Rock	<1	18	1.01	6	0.153	2	1.06	0.081	0.02	0.2	<0.01	1.7	<0.1	3.03	3	4.6	0.2
REP 1115033	QC	<1	18	1.03	6	0.157	2	1.04	0.070	0.02	0.2	0.01	1.8	<0.1	3.04	3	5.5	<0.2
Reference Materials																		
STD DS8	Standard	12	113	0.62	246	0.115	3	0.85	0.077	0.40	2.8	0.20	1.9	5.6	0.16	5	5.9	5.1
STD DS8	Standard	14	115	0.64	278	0.114	2	0.94	0.083	0.43	3.0	0.19	2.1	5.7	0.18	5	6.3	4.9
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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	<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
Prep Wash																		
G1	Prep Blank	8	7	0.54	172	0.105	<1	0.86	0.067	0.45	<0.1	<0.01	1.5	0.3	<0.05	4	<0.5	<0.2
G1	Prep Blank	9	8	0.54	182	0.108	<1	0.84	0.067	0.45	<0.1	<0.01	1.6	0.3	<0.05	5	<0.5	<0.2



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: Hugh Samson
Receiving Lab: Canada-Smithers
Received: August 26, 2011
Report Date: September 30, 2011
Page: 1 of 11

CERTIFICATE OF ANALYSIS

SMI11000351.1

CLIENT JOB INFORMATION

Project: Aug 12, 2011 Shipment
Shipment ID: Aug-11
P.O. Number
Number of Samples: 286

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

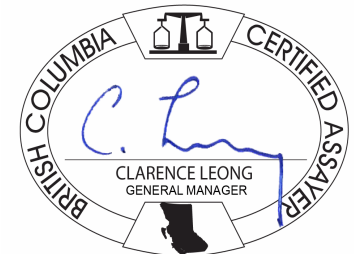
Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Air Dry, SS80, RJSV, 1F05, and 1F04.

ADDITIONAL COMMENTS

Version 2 includes 1F04 (0.5g) analysis for 'IS' samples only

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

CC: Dustin Perry
Dave Moore



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
540901	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540902	Soil			1.63	8.38	6.98	48.9	449	2.2	2.0	775	0.54	2.4	<0.1	2.1	<0.1	19.4	0.18	0.10	0.13	15	0.26	0.123
540903	Soil			1.40	6.27	4.87	48.8	730	1.1	0.7	454	0.15	3.4	<0.1	3.2	0.8	19.5	0.24	0.09	0.08	3	0.31	0.133
540904	Soil			0.93	4.95	4.12	62.3	110	1.3	0.6	2277	0.15	3.4	<0.1	1.7	<0.1	8.9	0.25	0.08	0.12	<2	0.23	0.147
540905	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540906	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540907	Soil			2.81	78.16	4.48	36.6	198	9.1	9.4	407	2.35	2.9	4.4	7.7	0.6	59.2	0.10	0.15	0.13	61	0.93	0.148
540908	Soil			35.15	90.14	5.00	46.6	637	6.9	47.1	4632	6.15	3.2	13.2	4.3	0.2	79.1	0.55	0.18	0.12	50	1.29	0.220
540909	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540910	Soil			11.97	101.0	4.23	42.0	250	10.5	12.7	537	2.63	4.8	8.7	7.3	0.5	69.3	0.29	0.18	0.09	60	0.99	0.126
540911	Soil			1.78	35.03	6.40	63.3	652	8.7	9.7	1619	1.26	4.0	0.3	8.7	<0.1	32.4	0.66	0.28	0.11	31	0.39	0.121
540912	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540913	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540914	Soil			1.02	70.40	3.61	51.4	203	2.2	0.6	556	0.08	<0.1	0.1	11.7	<0.1	83.6	0.33	0.10	0.38	2	1.93	0.096
540915	Soil			1.30	17.18	8.34	42.4	638	2.2	2.7	1024	0.28	<0.1	0.1	1.3	0.1	43.0	0.25	0.14	0.55	8	0.81	0.130
540916	Soil			0.53	7.79	5.11	33.7	216	1.5	0.9	356	0.18	<0.1	<0.1	6.7	<0.1	11.6	0.23	0.11	0.21	4	0.29	0.068
540917	Soil			2.91	19.95	4.53	86.8	119	4.4	2.4	949	0.43	<0.1	0.3	7.1	0.1	140.5	1.14	0.15	0.13	9	1.78	0.124
540918	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540919	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540920	Soil			0.71	10.08	10.15	39.6	1484	3.7	2.0	276	0.49	<0.1	0.1	2.2	<0.1	19.2	0.33	0.13	0.24	13	0.17	0.094
540949	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115051	Soil			0.42	8.01	8.51	19.6	254	2.4	0.8	83	0.25	<0.1	0.1	8.3	<0.1	36.9	0.34	0.08	0.13	8	0.17	0.052
1115052	Soil			0.41	21.63	9.04	16.9	1095	4.3	4.9	89	0.41	0.6	0.4	4.9	<0.1	46.8	0.21	0.08	0.13	8	0.29	0.084
1115053	Soil			1.00	8.27	6.59	15.7	392	3.0	2.6	103	0.78	0.6	0.1	9.5	<0.1	27.5	0.13	0.12	0.08	31	0.19	0.037
1115054	Soil			1.06	8.39	6.42	12.8	993	2.2	4.0	783	1.15	0.7	0.1	3.6	<0.1	32.3	0.19	0.12	0.12	47	0.28	0.032
1115055	Soil			1.07	7.96	6.83	14.5	438	1.5	1.6	307	0.46	0.6	0.1	3.2	<0.1	26.2	0.14	0.09	0.08	19	0.24	0.041
1115056	Soil			1.00	11.51	7.32	28.3	978	2.6	1.9	228	0.68	1.2	0.1	1.3	<0.1	33.8	0.36	0.10	0.15	22	0.32	0.062
1115057	Soil			0.83	12.92	7.64	19.3	415	3.9	3.0	95	0.92	1.0	0.1	3.7	<0.1	25.8	0.21	0.12	0.10	32	0.21	0.049
1115058	Soil			0.51	10.74	6.03	20.4	475	2.5	1.9	95	0.64	0.6	0.1	13.2	<0.1	26.6	0.17	0.08	0.14	22	0.17	0.051
1115059	Soil			4.41	39.80	6.47	17.3	395	3.1	5.5	1355	0.95	0.3	0.6	3.8	<0.1	55.5	1.08	0.17	0.19	36	0.99	0.050

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
540901	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
540902	Soil	1.0	5.7	0.09	82.2	0.024	2	0.23	0.007	0.11	<0.1	0.4	0.07	0.09	143	0.2	<0.02	1.2	0.63	<0.1	<0.02
540903	Soil	0.6	3.5	0.05	74.8	0.005	1	0.12	0.008	0.13	<0.1	0.4	0.07	0.11	159	0.1	<0.02	0.4	0.80	<0.1	0.03
540904	Soil	<0.5	3.5	0.04	55.1	0.004	2	0.12	0.009	0.13	<0.1	0.3	0.07	0.11	178	0.2	<0.02	0.3	0.30	<0.1	0.03
540905	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540906	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540907	Soil	8.6	24.5	0.62	89.7	0.033	1	1.20	0.011	0.06	0.4	3.1	0.09	0.11	121	0.6	<0.02	3.7	1.02	<0.1	<0.02
540908	Soil	13.3	10.7	0.26	172.4	0.007	2	0.79	0.018	0.09	1.1	0.9	0.27	0.21	156	0.9	<0.02	1.9	1.62	<0.1	<0.02
540909	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540910	Soil	9.9	21.0	0.60	114.6	0.041	3	1.33	0.014	0.09	0.7	2.5	0.11	0.17	100	0.6	<0.02	4.1	1.43	<0.1	<0.02
540911	Soil	4.2	12.4	0.30	200.0	0.010	5	0.64	0.010	0.09	0.6	1.0	0.05	0.08	142	<0.1	0.06	2.3	0.62	<0.1	<0.02
540912	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540913	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540914	Soil	1.1	2.3	0.12	159.9	0.001	6	0.06	0.007	0.08	<0.1	0.5	0.16	0.16	257	0.3	0.02	<0.1	0.17	<0.1	<0.02
540915	Soil	1.3	3.9	0.08	223.1	0.008	3	0.13	0.007	0.12	0.1	0.9	0.04	0.12	210	0.2	0.03	0.4	0.67	<0.1	<0.02
540916	Soil	<0.5	2.2	0.06	35.8	0.005	3	0.19	0.006	0.05	<0.1	0.3	0.12	0.12	247	0.2	<0.02	0.3	0.16	<0.1	<0.02
540917	Soil	1.4	8.1	0.18	175.6	0.009	4	0.23	0.007	0.10	<0.1	0.6	0.10	0.20	171	0.6	<0.02	0.8	0.44	<0.1	<0.02
540918	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540919	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540920	Soil	2.5	6.4	0.06	190.0	0.007	2	0.35	0.009	0.07	0.1	0.3	0.09	0.06	102	<0.1	<0.02	1.9	0.43	<0.1	<0.02
540949	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115051	Soil	4.1	3.4	0.04	215.5	0.009	2	0.25	0.010	0.05	<0.1	0.4	0.07	0.03	43	<0.1	<0.02	1.4	0.93	<0.1	<0.02
1115052	Soil	4.3	4.9	0.09	336.9	0.003	1	0.29	0.010	0.05	<0.1	0.3	0.04	0.05	96	<0.1	0.02	1.1	0.55	<0.1	<0.02
1115053	Soil	2.8	8.2	0.11	126.8	0.042	<1	0.29	0.008	0.04	0.6	0.7	0.03	0.03	39	0.1	0.02	2.3	0.35	<0.1	<0.02
1115054	Soil	2.8	9.7	0.12	168.6	0.077	1	0.38	0.007	0.05	0.2	0.7	0.08	0.02	41	<0.1	0.03	3.3	0.72	<0.1	<0.02
1115055	Soil	3.0	6.8	0.05	116.1	0.027	1	0.25	0.008	0.05	<0.1	0.3	0.06	0.03	40	<0.1	0.03	1.8	0.54	<0.1	<0.02
1115056	Soil	2.3	7.0	0.08	169.3	0.020	2	0.27	0.011	0.09	0.3	0.4	0.05	0.05	86	0.1	0.06	1.5	0.67	<0.1	<0.02
1115057	Soil	2.3	12.3	0.18	93.0	0.025	<1	0.41	0.008	0.05	0.1	0.3	0.03	0.03	47	<0.1	<0.02	2.6	0.62	<0.1	<0.02
1115058	Soil	2.5	6.3	0.06	204.1	0.006	<1	0.40	0.007	0.04	<0.1	0.1	0.03	0.04	33	<0.1	<0.02	2.4	0.64	<0.1	<0.02
1115059	Soil	3.6	6.3	0.11	160.0	0.035	<1	0.40	0.008	0.05	0.2	0.9	0.08	0.07	49	0.2	0.02	2.6	0.78	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
540901	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.43	11.82	5.34	65.4	231	2.5	0.8	
540902	Soil	0.25	13.4	0.2	<0.05	0.2	0.60	1.8	<0.02	<1	<0.1	0.5	<10	<2	1.43	8.18	7.45	47.1	458	2.0	1.8
540903	Soil	0.06	16.9	0.2	<0.05	0.4	0.18	1.0	<0.02	<1	<0.1	0.3	<10	<2	1.20	5.87	5.09	47.3	753	1.1	0.6
540904	Soil	0.05	13.1	0.1	<0.05	0.1	0.15	0.8	<0.02	<1	<0.1	0.2	<10	<2	0.64	4.63	4.30	62.4	99	1.2	0.5
540905	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.71	52.94	11.62	20.8	404	2.5	1.4	
540906	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.12	6.67	7.97	67.4	356	1.9	0.9	
540907	Soil	0.46	7.1	0.2	<0.05	0.1	7.74	11.6	<0.02	<1	0.2	8.3	<10	<2	2.64	81.50	4.76	36.0	210	8.7	8.8
540908	Soil	0.13	7.1	<0.1	<0.05	<0.1	12.53	13.1	<0.02	18	0.4	3.2	<10	<2	30.62	88.56	5.41	45.0	622	6.0	43.9
540909	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	10.78	65.66	3.19	32.7	305	5.0	12.8	
540910	Soil	0.60	13.8	0.2	<0.05	<0.1	7.47	12.0	<0.02	<1	0.4	9.0	<10	<2	10.66	98.17	4.36	38.7	254	9.3	12.1
540911	Soil	0.20	5.4	0.1	<0.05	<0.1	2.63	7.9	<0.02	<1	0.1	2.7	<10	<2	1.52	33.59	7.07	62.6	703	8.3	9.1
540912	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.03	20.96	5.63	45.8	229	4.5	2.7	
540913	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.59	5.82	2.73	59.9	594	2.4	0.7	
540914	Soil	0.02	3.9	<0.1	<0.05	0.2	1.89	0.6	<0.02	<1	<0.1	0.2	<10	<2	1.07	76.96	3.44	56.2	212	2.5	0.5
540915	Soil	0.10	7.8	0.2	<0.05	0.1	1.17	2.1	<0.02	<1	<0.1	0.4	<10	<2	1.28	18.16	9.41	45.0	659	2.0	2.3
540916	Soil	0.04	3.3	0.1	<0.05	<0.1	0.23	0.7	<0.02	<1	<0.1	0.4	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540917	Soil	0.14	7.0	<0.1	<0.05	0.4	1.33	2.1	<0.02	<1	<0.1	1.6	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540918	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.11	7.04	5.16	54.7	178	2.0	1.2	
540919	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.50	15.56	9.47	79.4	340	6.4	8.5	
540920	Soil	0.08	8.3	0.2	<0.05	<0.1	0.76	4.6	<0.02	<1	0.2	0.4	<10	<2	0.60	9.74	10.39	40.4	1495	3.3	1.9
540949	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.71	7.46	4.84	29.2	264	1.4	0.8	
1115051	Soil	0.09	7.6	0.2	<0.05	<0.1	0.68	7.5	<0.02	<1	<0.1	0.3	<10	<2	0.30	6.88	8.06	17.3	204	1.9	0.7
1115052	Soil	0.10	4.9	0.2	<0.05	<0.1	2.69	8.2	<0.02	<1	0.4	0.4	<10	<2	0.33	21.02	9.47	17.1	1013	4.0	4.6
1115053	Soil	0.31	4.3	0.2	<0.05	<0.1	1.16	5.3	<0.02	<1	<0.1	0.7	<10	<2	0.91	8.52	7.38	17.3	387	3.0	2.7
1115054	Soil	0.29	5.3	0.4	<0.05	<0.1	1.71	5.6	<0.02	<1	<0.1	0.6	<10	<2	0.78	8.08	7.06	12.8	961	2.2	3.6
1115055	Soil	0.21	4.6	0.3	<0.05	<0.1	1.33	5.7	<0.02	<1	<0.1	0.3	<10	<2	0.84	7.72	7.37	14.4	397	1.6	1.6
1115056	Soil	0.18	7.7	0.2	<0.05	<0.1	1.00	4.4	<0.02	<1	<0.1	0.5	<10	<2	0.83	11.37	7.88	29.2	900	2.4	1.7
1115057	Soil	0.19	5.0	0.3	<0.05	<0.1	1.10	4.5	<0.02	<1	<0.1	1.1	<10	<2	0.68	13.80	8.41	19.7	401	4.0	3.0
1115058	Soil	0.16	5.4	0.3	<0.05	<0.1	0.99	4.7	<0.02	<1	<0.1	0.3	<10	<2	0.35	9.82	6.04	19.1	388	2.1	1.7
1115059	Soil	0.92	4.7	0.3	<0.05	<0.1	2.21	6.3	<0.02	<1	0.2	0.9	<10	<2	3.54	41.18	6.93	17.3	356	2.8	5.1

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
540901	Soil	2320	0.17	0.6	<0.1	4.7	<0.1	21.2	0.16	0.14	0.23	<2	0.32	0.127	0.5	3.7	0.06	103.6	0.005	<20	0.09
540902	Soil	747	0.43	0.6	<0.1	3.7	<0.1	16.5	0.20	0.12	0.16	12	0.23	0.109	0.8	3.7	0.08	79.2	0.012	<20	0.19
540903	Soil	435	0.12	0.2	<0.1	2.6	<0.1	19.1	0.22	0.11	0.08	2	0.30	0.117	<0.5	1.7	0.05	69.9	0.003	<20	0.10
540904	Soil	2253	0.12	0.4	<0.1	2.7	<0.1	8.9	0.24	0.08	0.06	<2	0.21	0.131	<0.5	1.7	0.04	54.4	0.003	<20	0.10
540905	Soil	1499	0.21	0.4	0.5	3.9	0.1	170.0	1.02	0.34	0.12	4	2.00	0.121	9.6	3.0	0.15	112.7	0.004	<20	0.24
540906	Soil	502	0.15	0.2	<0.1	2.1	<0.1	21.8	0.25	0.10	0.07	3	0.25	0.101	0.7	1.7	0.04	188.5	0.003	<20	0.16
540907	Soil	401	2.32	1.0	4.7	8.3	0.5	59.0	0.12	0.13	0.12	60	0.87	0.135	8.9	23.7	0.63	94.4	0.026	<20	1.15
540908	Soil	4672	5.91	0.6	13.6	3.4	0.4	78.9	0.54	0.18	0.10	50	1.27	0.193	13.2	9.0	0.25	166.6	0.006	<20	0.73
540909	Soil	926	4.82	0.3	8.4	4.2	0.2	78.2	0.24	0.12	0.09	31	1.37	0.128	8.7	7.7	0.24	109.5	0.007	<20	0.43
540910	Soil	505	2.46	1.1	9.0	14.2	0.5	68.3	0.32	0.15	0.12	56	0.91	0.111	9.1	18.1	0.57	107.9	0.026	<20	1.22
540911	Soil	1597	1.16	1.3	0.3	6.3	<0.1	30.8	0.69	0.27	0.11	27	0.35	0.110	3.6	10.4	0.30	204.2	0.007	<20	0.56
540912	Soil	152	0.51	0.7	0.6	106.9	<0.1	48.8	0.55	0.14	0.12	10	0.43	0.121	2.7	5.9	0.11	163.0	0.003	<20	0.27
540913	Soil	1229	0.17	0.6	0.1	1.7	<0.1	14.5	0.11	0.09	0.04	<2	0.33	0.106	<0.5	3.8	0.05	59.2	0.003	<20	0.11
540914	Soil	587	0.09	<0.1	0.1	4.6	<0.1	95.7	0.40	0.12	0.04	2	1.96	0.096	1.2	1.2	0.12	167.8	0.001	<20	0.06
540915	Soil	1107	0.24	0.5	0.1	1.6	<0.1	50.0	0.32	0.13	0.07	6	0.88	0.138	1.5	2.5	0.08	243.0	0.005	<20	0.12
540916	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540918	Soil	716	0.24	0.3	<0.1	5.8	<0.1	21.0	0.26	0.10	0.27	5	0.37	0.116	0.6	3.8	0.07	66.2	0.004	<20	0.12
540919	Soil	1827	0.32	0.6	0.2	3.7	<0.1	26.8	1.13	0.11	0.12	5	0.33	0.126	1.8	4.9	0.08	207.0	0.002	<20	0.21
540920	Soil	273	0.46	0.4	<0.1	1.4	<0.1	18.1	0.35	0.09	0.11	11	0.16	0.088	1.9	6.1	0.06	184.0	0.003	<20	0.34
540949	Soil	415	0.15	0.4	<0.1	1.8	<0.1	28.8	0.16	0.10	0.05	3	0.68	0.132	<0.5	2.1	0.09	101.2	0.006	<20	0.08
1115051	Soil	76	0.21	0.4	<0.1	1.1	<0.1	35.2	0.32	0.05	0.07	6	0.15	0.040	3.1	2.5	0.03	203.6	0.002	<20	0.22
1115052	Soil	88	0.41	0.3	0.3	0.4	<0.1	47.1	0.20	0.06	0.08	7	0.28	0.075	4.0	3.9	0.08	324.3	0.001	<20	0.26
1115053	Soil	114	0.76	0.2	0.1	1.3	<0.1	29.1	0.12	0.10	0.08	29	0.19	0.041	2.9	7.7	0.11	137.9	0.037	<20	0.30
1115054	Soil	822	1.03	0.4	0.1	0.5	<0.1	29.0	0.18	0.09	0.09	42	0.24	0.033	2.8	8.2	0.12	165.9	0.061	<20	0.36
1115055	Soil	302	0.43	0.4	0.1	2.6	<0.1	24.8	0.15	0.07	0.08	17	0.21	0.044	2.9	6.0	0.05	116.7	0.017	<20	0.24
1115056	Soil	220	0.57	0.1	<0.1	0.5	<0.1	33.0	0.36	0.07	0.08	17	0.31	0.066	2.0	5.2	0.09	172.3	0.010	<20	0.25
1115057	Soil	99	0.87	0.5	<0.1	0.7	<0.1	23.9	0.22	0.10	0.09	28	0.19	0.051	2.1	11.1	0.18	98.6	0.013	<20	0.40
1115058	Soil	93	0.60	0.4	0.1	0.2	<0.1	23.0	0.17	0.07	0.09	20	0.14	0.046	2.0	5.2	0.06	190.5	0.003	<20	0.35
1115059	Soil	1398	0.97	0.6	0.7	1.3	0.2	56.8	1.08	0.13	0.67	35	0.94	0.050	3.5	5.9	0.11	160.0	0.029	<20	0.37

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
540901	Soil			0.008	0.14	<0.1	0.5	0.07	0.11	157	0.2	<0.02	0.3	0.31	<0.1	<0.02	0.07	13.0	0.3	<0.05	<0.1	0.28	0.8
540902	Soil			0.006	0.11	<0.1	0.3	0.09	0.09	150	0.1	<0.02	1.0	0.47	<0.1	<0.02	0.17	11.6	0.2	<0.05	<0.1	0.38	1.2
540903	Soil			0.007	0.12	<0.1	0.4	0.09	0.11	145	0.2	<0.02	0.3	0.67	<0.1	<0.02	0.05	15.3	0.2	<0.05	<0.1	0.12	0.7
540904	Soil			0.008	0.13	<0.1	0.3	0.08	0.11	198	0.1	<0.02	0.3	0.26	<0.1	<0.02	0.04	12.8	0.2	<0.05	<0.1	0.12	0.5
540905	Soil			0.009	0.08	<0.1	0.9	0.07	0.16	247	0.3	<0.02	0.6	0.23	<0.1	<0.02	0.14	5.4	0.3	<0.05	0.5	12.86	3.0
540906	Soil			0.014	0.11	<0.1	0.3	0.05	0.11	169	0.2	<0.02	0.3	0.24	<0.1	<0.02	0.06	9.5	0.2	<0.05	<0.1	0.28	1.0
540907	Soil			0.009	0.06	0.4	2.7	0.09	0.12	125	0.7	<0.02	3.5	0.91	<0.1	<0.02	0.32	6.2	0.2	<0.05	0.2	7.33	10.8
540908	Soil			0.018	0.09	0.8	0.9	0.26	0.21	155	0.9	<0.02	1.8	1.26	<0.1	<0.02	0.11	6.1	0.1	<0.05	<0.1	12.33	12.1
540909	Soil			0.024	0.07	0.6	0.7	0.08	0.20	121	0.6	<0.02	1.2	0.78	<0.1	<0.02	0.17	5.2	0.1	<0.05	<0.1	7.70	6.9
540910	Soil			0.011	0.08	0.5	1.8	0.10	0.17	115	0.7	<0.02	3.5	1.00	<0.1	<0.02	0.45	10.4	0.2	<0.05	0.3	7.01	10.4
540911	Soil			0.009	0.08	0.2	0.6	0.05	0.08	131	0.1	0.04	2.0	0.40	<0.1	<0.02	0.16	4.0	0.2	<0.05	<0.1	2.40	6.7
540912	Soil			0.008	0.08	0.1	0.3	0.02	0.19	113	0.3	<0.02	0.9	0.17	<0.1	<0.02	0.16	3.0	0.2	<0.05	<0.1	2.17	4.5
540913	Soil			0.006	0.12	<0.1	0.3	0.06	0.12	161	0.1	<0.02	0.3	0.41	<0.1	<0.02	0.07	10.1	0.1	<0.05	0.1	0.34	0.7
540914	Soil			0.007	0.08	<0.1	0.4	0.08	0.15	281	0.2	0.03	0.1	0.17	<0.1	<0.02	0.02	4.1	<0.1	<0.05	0.2	2.16	0.5
540915	Soil			0.006	0.12	<0.1	0.5	0.06	0.12	244	0.1	<0.02	0.5	0.61	<0.1	<0.02	0.06	7.8	0.2	<0.05	<0.1	1.29	2.2
540916	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540917	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540918	Soil			0.008	0.13	<0.1	0.3	0.05	0.13	139	0.1	0.02	0.4	0.68	<0.1	<0.02	0.08	12.7	0.2	<0.05	<0.1	0.22	0.9
540919	Soil			0.007	0.16	<0.1	0.2	0.06	0.10	89	0.2	<0.02	0.8	0.24	<0.1	<0.02	0.09	6.1	0.2	<0.05	<0.1	0.78	2.9
540920	Soil			0.008	0.07	<0.1	0.2	0.05	0.06	125	0.1	<0.02	1.7	0.31	<0.1	<0.02	0.07	7.4	0.2	<0.05	<0.1	0.67	3.3
540949	Soil			0.005	0.09	<0.1	0.5	0.10	0.14	219	0.1	0.02	0.2	5.39	<0.1	<0.02	0.04	12.7	0.1	<0.05	0.1	0.15	0.5
1115051	Soil			0.008	0.04	<0.1	0.1	0.02	0.03	58	<0.1	<0.02	1.2	0.65	<0.1	<0.02	0.07	6.8	0.2	<0.05	<0.1	0.53	5.1
1115052	Soil			0.009	0.05	<0.1	0.1	0.02	0.05	84	<0.1	<0.02	1.0	0.46	<0.1	<0.02	0.05	4.5	0.2	<0.05	<0.1	2.72	7.1
1115053	Soil			0.007	0.04	0.9	0.6	0.02	0.03	59	<0.1	<0.02	2.5	0.37	<0.1	<0.02	0.26	4.7	0.2	<0.05	0.1	1.15	5.1
1115054	Soil			0.006	0.04	<0.1	0.6	0.06	0.02	33	<0.1	<0.02	3.3	0.66	<0.1	<0.02	0.25	5.2	0.3	<0.05	<0.1	1.48	4.7
1115055	Soil			0.007	0.04	0.2	0.2	0.04	0.03	52	<0.1	<0.02	1.8	0.48	<0.1	<0.02	0.12	4.6	0.3	<0.05	<0.1	1.16	5.0
1115056	Soil			0.010	0.08	1.6	0.2	0.03	0.05	80	<0.1	<0.02	1.5	0.52	<0.1	<0.02	0.11	7.0	0.2	<0.05	<0.1	0.77	3.5
1115057	Soil			0.007	0.05	<0.1	0.3	<0.02	0.03	56	<0.1	<0.02	2.7	0.55	<0.1	<0.02	0.10	5.1	0.2	<0.05	<0.1	0.88	3.6
1115058	Soil			0.007	0.03	<0.1	0.1	<0.02	0.03	34	<0.1	<0.02	2.1	0.53	<0.1	<0.02	0.09	5.0	0.2	<0.05	<0.1	0.77	3.4
1115059	Soil			0.007	0.04	0.1	0.7	0.05	0.07	51	0.3	<0.02	2.8	0.62	<0.1	<0.02	0.60	4.3	0.4	<0.05	<0.1	2.00	5.3



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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 2 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
540901	Soil	<0.02	<1	<0.1	0.3	<10	<2
540902	Soil	<0.02	<1	<0.1	0.4	<10	<2
540903	Soil	<0.02	<1	<0.1	0.2	<10	<2
540904	Soil	<0.02	<1	<0.1	0.2	<10	<2
540905	Soil	<0.02	<1	<0.1	0.6	<10	<2
540906	Soil	<0.02	<1	<0.1	0.2	<10	<2
540907	Soil	<0.02	<1	0.2	7.3	<10	<2
540908	Soil	<0.02	27	0.4	2.6	<10	<2
540909	Soil	<0.02	2	0.3	1.7	<10	<2
540910	Soil	<0.02	3	0.3	7.4	<10	<2
540911	Soil	<0.02	2	0.1	2.5	<10	<2
540912	Soil	<0.02	<1	0.2	0.7	<10	<2
540913	Soil	<0.02	<1	<0.1	0.6	<10	<2
540914	Soil	<0.02	1	<0.1	0.2	<10	<2
540915	Soil	<0.02	<1	<0.1	0.3	<10	<2
540916	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540918	Soil	<0.02	<1	<0.1	0.4	<10	<2
540919	Soil	<0.02	<1	0.1	0.4	<10	<2
540920	Soil	<0.02	<1	0.1	0.4	<10	<2
540949	Soil	<0.02	<1	<0.1	0.6	<10	<2
1115051	Soil	<0.02	<1	<0.1	0.2	<10	<2
1115052	Soil	<0.02	<1	0.2	0.4	<10	<2
1115053	Soil	<0.02	<1	<0.1	0.7	<10	<2
1115054	Soil	<0.02	<1	<0.1	0.6	<10	<2
1115055	Soil	<0.02	<1	<0.1	0.3	<10	<2
1115056	Soil	<0.02	<1	<0.1	0.4	<10	<2
1115057	Soil	<0.02	<1	<0.1	1.0	<10	<2
1115058	Soil	<0.02	<1	<0.1	0.3	<10	<2
1115059	Soil	<0.02	<1	0.1	0.8	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1115060	Soil			3.52	106.2	3.51	14.8	468	4.0	4.6	411	0.97	0.4	3.0	4.0	0.2	58.8	0.62	0.18	0.07	33	1.96	0.091
1115061	Soil			5.89	251.2	6.43	16.7	861	6.6	51.7	3629	1.72	<0.1	0.6	2.1	<0.1	103.3	0.64	0.30	0.12	55	1.90	0.190
1115062	Soil			0.40	6.29	3.14	18.8	699	1.5	2.4	178	0.78	<0.1	0.1	4.1	0.2	29.5	0.10	0.08	0.08	30	0.32	0.033
1115063	Soil			0.63	10.93	4.21	13.7	248	3.0	3.2	101	1.57	<0.1	0.1	9.5	0.2	26.9	0.28	0.12	0.08	49	0.33	0.032
1115064	Soil			0.49	8.59	8.11	30.6	503	1.9	1.5	188	0.59	0.7	0.1	2.8	<0.1	31.2	0.32	0.13	0.07	20	0.30	0.054
1115065	Soil			1.85	228.8	2.55	9.8	836	5.9	2.5	251	0.96	<0.1	2.8	5.3	<0.1	125.9	0.41	0.26	0.05	23	2.04	0.240
1115066	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115134	Soil			1.07	7.45	2.68	11.0	279	2.3	0.6	45	0.25	<0.1	0.1	1.4	<0.1	22.6	0.27	0.06	0.04	8	0.27	0.038
1115135	Soil			1.10	6.33	4.14	18.1	232	2.6	0.9	95	0.42	0.2	0.1	1.0	<0.1	18.8	0.39	0.10	0.06	11	0.27	0.046
1115136	Soil			2.56	13.74	6.19	29.8	588	6.2	3.8	87	1.51	0.5	0.1	0.7	<0.1	37.9	0.19	0.29	0.12	33	0.61	0.062
1115137	Soil			4.43	20.16	6.25	37.8	822	7.1	5.1	1322	1.44	0.8	0.2	2.5	<0.1	27.7	0.12	0.26	0.09	47	0.42	0.057
1115138	Soil			1.12	8.05	4.13	19.3	215	2.0	1.6	286	1.00	1.1	0.1	2.5	<0.1	31.6	0.08	0.13	0.07	29	0.29	0.042
1115139	Soil			0.73	8.66	5.04	26.5	787	3.3	3.8	514	1.26	1.0	<0.1	1.1	<0.1	31.1	0.12	0.14	0.07	41	0.34	0.072
1115140	Soil			1.91	17.91	5.09	10.0	201	2.6	2.1	123	1.66	0.8	0.3	0.8	0.1	45.0	0.23	0.15	0.10	41	0.33	0.033
1115141	Soil			1.34	8.54	6.67	17.5	289	2.6	2.1	87	1.53	1.1	0.2	8.5	<0.1	44.2	0.16	0.19	0.14	42	0.33	0.032
1115142	Soil			1.39	13.08	5.89	21.0	134	3.2	2.1	101	1.21	1.4	0.2	3.7	<0.1	40.2	0.17	0.17	0.12	37	0.32	0.042
1115143	Soil			2.43	98.40	6.26	26.1	295	9.6	6.7	256	1.54	1.6	1.0	9.8	0.3	93.8	0.22	0.38	0.11	45	1.15	0.105
1115144	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115145	Soil			6.76	25.09	2.44	18.8	269	11.6	6.2	1113	7.70	5.8	<0.1	1.9	<0.1	64.9	0.61	0.21	0.11	13	1.39	0.181
1115146	Soil			1.66	32.13	5.05	30.5	1657	7.9	6.4	310	1.30	1.0	0.2	9.5	<0.1	33.3	0.46	0.23	0.12	32	0.33	0.084
1115147	Soil			1.83	36.01	8.54	49.8	1807	11.5	6.8	1233	1.11	2.4	0.2	2.6	<0.1	33.7	0.56	0.19	0.15	28	0.33	0.116
1115148	Soil			0.72	22.21	5.60	31.1	980	6.5	6.9	1216	0.59	1.2	0.2	1.8	<0.1	38.1	0.40	0.09	0.09	15	0.34	0.071
1115149	Soil			0.78	12.37	5.35	28.8	1117	4.5	6.0	268	0.67	1.3	0.1	18.0	<0.1	32.2	0.17	0.12	0.08	19	0.29	0.048
1115150	Soil			0.53	7.25	5.70	11.4	863	2.2	2.0	983	0.58	0.9	0.1	2.9	<0.1	20.6	0.15	0.07	0.08	16	0.12	0.050
541916	Soil			11.66	79.42	6.54	16.1	1145	5.3	4.2	174	0.49	1.3	0.6	<0.2	<0.1	79.4	0.63	0.15	0.11	15	0.64	0.077
541917	Soil			7.50	378.0	11.24	33.1	765	14.5	5.5	866	1.14	0.1	3.5	3.8	0.2	166.0	1.02	0.93	0.21	32	2.03	0.096
541918	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541919	Soil			5.45	12.42	3.70	13.1	909	2.8	0.6	152	0.19	<0.1	<0.1	<0.2	0.1	114.3	0.31	0.07	0.06	3	1.09	0.080
541920	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541921	Soil			1.19	5.72	5.82	37.5	1341	2.9	1.2	171	0.19	1.2	<0.1	<0.2	<0.1	36.6	0.32	0.08	0.28	6	0.35	0.074

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1115060	Soil	4.5	8.3	0.24	42.8	0.016	2	0.49	0.008	0.05	0.2	1.6	0.07	0.17	244	1.7	<0.02	1.3	0.29	<0.1	<0.02
1115061	Soil	7.6	13.6	0.16	121.0	0.007	3	0.65	0.009	0.09	0.4	0.6	0.11	0.11	214	0.2	<0.02	2.2	1.30	<0.1	<0.02
1115062	Soil	2.2	6.7	0.16	120.6	0.070	1	0.33	0.007	0.14	<0.1	1.1	0.04	0.03	72	<0.1	<0.02	2.6	1.18	<0.1	<0.02
1115063	Soil	1.5	17.9	0.09	161.7	0.061	1	0.25	0.009	0.04	0.3	0.9	<0.02	0.03	59	<0.1	<0.02	2.6	0.52	<0.1	<0.02
1115064	Soil	1.9	7.4	0.05	125.0	0.007	1	0.30	0.010	0.05	<0.1	0.2	0.04	0.04	96	0.1	<0.02	2.1	0.40	<0.1	<0.02
1115065	Soil	21.4	15.1	0.20	199.4	0.003	2	0.86	0.009	0.05	0.2	1.8	0.08	0.19	164	0.3	<0.02	1.1	0.77	<0.1	<0.02
1115066	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115134	Soil	3.3	6.3	0.04	129.2	0.012	2	0.15	0.008	0.05	<0.1	0.6	0.02	0.04	67	<0.1	0.03	0.9	0.42	<0.1	<0.02
1115135	Soil	3.3	9.9	0.04	115.4	0.010	2	0.19	0.007	0.04	<0.1	0.3	0.02	0.04	104	<0.1	<0.02	1.3	0.44	<0.1	<0.02
1115136	Soil	1.4	59.7	0.16	123.6	0.043	2	0.22	0.008	0.07	0.4	2.0	0.03	0.09	150	0.2	0.03	2.6	0.84	<0.1	<0.02
1115137	Soil	2.7	32.9	0.29	106.3	0.045	2	0.45	0.010	0.07	0.2	1.3	0.06	0.05	143	0.1	0.02	3.3	1.31	<0.1	<0.02
1115138	Soil	2.0	10.8	0.06	95.0	0.037	2	0.22	0.009	0.05	0.1	0.7	0.04	0.04	95	0.2	<0.02	1.7	0.51	<0.1	<0.02
1115139	Soil	1.5	12.3	0.21	129.3	0.061	2	0.37	0.009	0.08	0.2	0.8	0.10	0.05	199	0.2	<0.02	2.8	1.00	<0.1	<0.02
1115140	Soil	3.6	10.0	0.05	197.1	0.052	1	0.36	0.006	0.04	0.1	1.3	<0.02	0.03	45	<0.1	<0.02	2.5	0.57	<0.1	<0.02
1115141	Soil	3.3	11.7	0.05	129.6	0.043	1	0.30	0.006	0.04	<0.1	0.7	0.04	0.03	69	<0.1	0.04	2.8	0.53	<0.1	<0.02
1115142	Soil	4.3	9.3	0.07	156.4	0.032	1	0.44	0.006	0.04	0.1	0.6	0.03	0.03	69	<0.1	0.04	3.4	0.48	<0.1	<0.02
1115143	Soil	9.9	21.3	0.49	62.8	0.027	2	0.80	0.008	0.08	0.3	2.0	0.06	0.09	81	0.1	0.03	2.8	0.91	<0.1	<0.02
1115144	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115145	Soil	1.0	6.6	0.16	141.5	0.002	2	0.12	0.016	0.04	<0.1	0.6	0.04	0.23	85	0.7	0.05	0.3	0.17	<0.1	<0.02
1115146	Soil	4.8	13.5	0.35	123.6	0.005	<1	0.67	0.007	0.07	0.3	0.4	0.03	0.05	113	0.3	0.07	2.4	0.47	<0.1	<0.02
1115147	Soil	5.4	13.8	0.21	210.3	0.004	2	0.61	0.009	0.07	0.2	0.2	0.04	0.05	104	0.3	<0.02	2.8	0.54	<0.1	<0.02
1115148	Soil	3.8	7.9	0.11	194.2	0.002	<1	0.38	0.006	0.04	<0.1	0.1	0.02	0.04	66	0.2	<0.02	1.8	0.44	<0.1	<0.02
1115149	Soil	2.8	8.5	0.14	141.8	0.005	<1	0.34	0.006	0.05	0.2	0.2	<0.02	0.03	85	0.1	0.02	2.2	0.35	<0.1	<0.02
1115150	Soil	2.4	8.3	0.06	127.7	0.003	<1	0.36	0.006	0.03	<0.1	<0.1	0.04	0.02	56	<0.1	<0.02	2.5	0.35	<0.1	<0.02
541916	Soil	3.1	5.4	0.07	55.2	0.010	<1	0.21	0.009	0.05	0.1	0.8	0.04	0.13	156	0.4	0.03	1.0	1.31	<0.1	<0.02
541917	Soil	11.0	15.6	0.35	98.0	0.015	2	0.74	0.014	0.10	0.1	2.3	0.17	0.14	152	1.2	0.04	2.1	5.99	0.1	<0.02
541918	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541919	Soil	0.5	3.7	0.02	94.6	0.005	1	0.08	0.006	0.05	<0.1	0.4	<0.02	0.12	207	0.4	<0.02	0.3	0.36	<0.1	<0.02
541920	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541921	Soil	2.3	6.9	0.05	87.2	0.005	1	0.17	0.008	0.08	0.1	0.2	<0.02	0.06	173	0.2	0.03	1.2	0.32	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	0.1
1115060	Soil	0.24	1.9	0.2	<0.05	0.3	5.32	3.6	<0.02	<1	0.1	2.5	<10	<2	3.20	108.7	3.70	14.3	456	3.8	4.0
1115061	Soil	0.13	12.7	0.2	<0.05	<0.1	8.75	16.5	<0.02	<1	0.3	1.2	<10	<2	5.07	257.1	7.01	17.6	868	6.0	48.1
1115062	Soil	0.65	25.1	0.3	<0.05	0.2	1.18	4.2	<0.02	<1	<0.1	0.6	<10	<2	0.33	5.95	3.11	18.9	672	1.3	2.1
1115063	Soil	0.30	5.8	0.2	<0.05	0.1	1.33	2.9	<0.02	<1	<0.1	0.4	<10	<2	0.53	10.08	4.41	13.5	200	2.6	2.7
1115064	Soil	0.11	3.8	0.2	<0.05	<0.1	0.75	3.5	<0.02	<1	<0.1	0.4	<10	<2	0.38	8.25	8.44	33.2	479	1.8	1.4
1115065	Soil	0.17	9.1	0.1	<0.05	<0.1	19.61	18.5	<0.02	<1	0.5	1.5	13	<2	1.66	239.1	2.66	10.2	795	5.4	2.2
1115066	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.51	11.38	5.52	20.8	263	1.4	0.8
1115134	Soil	0.12	2.5	0.1	<0.05	<0.1	0.59	6.2	<0.02	<1	<0.1	0.3	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115135	Soil	0.17	4.4	0.2	<0.05	0.1	0.70	6.2	<0.02	<1	<0.1	0.5	<10	<2	0.99	6.69	4.41	19.2	227	2.6	0.8
1115136	Soil	0.27	5.4	0.2	<0.05	0.1	0.86	2.6	<0.02	<1	<0.1	0.7	<10	3	2.14	13.54	6.45	29.6	518	5.8	3.2
1115137	Soil	0.24	9.3	0.2	<0.05	0.1	1.22	5.0	<0.02	<1	<0.1	2.1	<10	2	3.99	19.87	6.58	40.3	835	6.2	4.6
1115138	Soil	0.25	4.8	0.3	<0.05	<0.1	0.93	3.7	<0.02	<1	<0.1	0.4	<10	<2	1.03	8.52	5.04	21.9	207	2.0	1.4
1115139	Soil	0.41	15.8	0.2	<0.05	0.2	1.12	2.9	<0.02	<1	<0.1	1.3	<10	<2	0.56	8.42	5.22	25.7	689	2.7	3.2
1115140	Soil	0.71	7.5	0.3	<0.05	<0.1	2.56	5.9	<0.02	<1	<0.1	0.3	<10	<2	1.53	17.75	5.69	10.1	197	2.3	1.9
1115141	Soil	0.53	4.3	0.4	<0.05	<0.1	1.36	6.2	<0.02	<1	<0.1	0.6	<10	<2	1.11	8.20	7.11	19.2	284	1.9	1.7
1115142	Soil	0.43	4.3	0.4	<0.05	<0.1	1.74	7.6	<0.02	<1	0.1	0.6	<10	<2	0.97	12.70	6.16	18.5	117	2.7	1.7
1115143	Soil	0.35	20.8	0.1	<0.05	0.3	9.34	10.4	<0.02	<1	0.3	5.4	<10	<2	2.08	98.05	6.72	25.5	285	9.2	6.2
1115144	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.38	52.34	7.45	29.3	1158	13.1	5.8
1115145	Soil	0.06	1.6	0.1	<0.05	0.1	2.31	1.8	<0.02	4	<0.1	0.2	<10	<2	6.43	29.06	3.22	21.5	318	11.0	6.6
1115146	Soil	0.06	6.9	0.2	<0.05	<0.1	3.68	9.7	<0.02	<1	0.3	2.7	<10	<2	1.80	39.14	6.80	38.6	1978	8.9	7.1
1115147	Soil	0.05	6.4	0.2	<0.05	<0.1	3.68	10.3	<0.02	<1	0.4	1.6	<10	<2	1.55	37.94	10.10	52.0	1845	10.4	6.2
1115148	Soil	0.07	4.9	0.2	<0.05	<0.1	2.25	7.9	<0.02	1	0.2	0.6	<10	<2	0.60	26.53	7.32	36.3	1061	6.9	7.1
1115149	Soil	0.19	4.1	0.1	<0.05	<0.1	0.81	5.5	<0.02	<1	<0.1	1.1	<10	<2	0.78	15.36	7.15	33.3	1194	4.4	6.1
1115150	Soil	0.04	3.4	0.2	<0.05	<0.1	0.78	4.9	<0.02	<1	<0.1	0.4	<10	<2	0.38	9.29	6.70	16.7	838	2.1	1.9
541916	Soil	0.25	5.5	0.1	<0.05	0.3	4.37	4.0	<0.02	<1	0.2	0.7	<10	<2	11.09	90.86	8.22	17.6	1174	4.8	4.4
541917	Soil	0.38	17.1	0.2	<0.05	0.6	21.00	7.0	<0.02	<1	0.4	5.9	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541918	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	5.42	15.10	12.46	48.1	928	2.3	1.8
541919	Soil	0.09	4.5	0.1	<0.05	0.4	0.29	1.0	<0.02	2	<0.1	0.1	<10	<2	4.57	12.52	4.03	12.4	853	2.3	0.5
541920	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.98	17.45	3.68	7.5	346	1.8	0.6
541921	Soil	0.08	3.7	0.2	<0.05	<0.1	0.40	4.3	<0.02	<1	<0.1	0.5	<10	<2	1.19	6.15	7.19	40.1	1287	2.8	1.0

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method Analyte	Unit	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	
MDL		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	%
		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	
1115060	Soil	417	0.92	0.8	3.1	3.1	0.2	60.8	0.72	0.15	0.07	31	1.99	0.094	4.7	7.3	0.23	42.5	0.011	<20	0.44	
1115061	Soil	3882	1.64	0.6	0.6	1.6	<0.1	104.7	0.72	0.29	0.11	51	2.01	0.201	8.1	12.1	0.15	120.4	0.005	<20	0.67	
1115062	Soil	174	0.70	0.1	0.1	1.4	0.1	24.3	0.09	0.06	0.06	27	0.28	0.035	1.9	5.2	0.17	115.5	0.052	<20	0.31	
1115063	Soil	103	1.48	0.4	<0.1	0.7	<0.1	26.0	0.27	0.11	0.06	46	0.33	0.035	1.4	16.0	0.09	157.0	0.054	<20	0.23	
1115064	Soil	193	0.50	0.3	<0.1	0.9	<0.1	28.7	0.30	0.08	0.09	17	0.29	0.063	1.6	9.3	0.05	128.6	0.003	<20	0.29	
1115065	Soil	246	0.94	0.3	2.8	4.1	<0.1	132.2	0.42	0.25	0.06	22	2.11	0.231	22.9	13.8	0.21	206.8	0.002	<20	0.88	
1115066	Soil	140	0.13	0.3	<0.1	3.1	<0.1	81.6	0.48	0.12	0.16	3	1.33	0.096	<0.5	3.0	0.10	137.2	0.003	<20	0.08	
1115134	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115135	Soil	107	0.39	0.5	0.1	2.4	<0.1	18.5	0.40	0.09	0.37	10	0.30	0.053	2.6	8.9	0.04	119.8	0.005	<20	0.18	
1115136	Soil	86	1.42	1.0	<0.1	5.1	<0.1	36.0	0.22	0.20	0.17	32	0.56	0.064	1.2	54.3	0.16	119.5	0.033	<20	0.20	
1115137	Soil	1473	1.25	0.9	0.2	2.3	<0.1	24.7	0.09	0.17	0.12	40	0.43	0.067	2.4	28.3	0.30	113.6	0.033	<20	0.44	
1115138	Soil	318	0.80	0.4	0.1	2.1	<0.1	30.0	0.12	0.10	0.10	22	0.32	0.050	1.9	8.8	0.06	105.2	0.023	<20	0.22	
1115139	Soil	494	1.16	0.6	<0.1	1.9	<0.1	28.7	0.15	0.13	0.11	38	0.33	0.073	1.5	11.4	0.21	124.0	0.054	<20	0.35	
1115140	Soil	132	1.44	0.3	0.3	3.7	<0.1	43.1	0.26	0.12	0.12	37	0.31	0.037	3.7	8.4	0.05	206.2	0.039	<20	0.36	
1115141	Soil	87	1.19	0.5	0.2	1.8	<0.1	44.2	0.19	0.16	0.15	35	0.33	0.034	3.1	9.5	0.06	136.0	0.032	<20	0.29	
1115142	Soil	95	1.00	0.6	0.2	1.9	<0.1	32.4	0.18	0.14	0.13	30	0.26	0.041	3.5	7.7	0.07	151.0	0.017	<20	0.38	
1115143	Soil	249	1.41	1.3	1.0	23.2	0.2	91.5	0.25	0.34	0.13	40	1.16	0.111	9.6	18.7	0.47	62.4	0.016	<20	0.74	
1115144	Soil	100	0.96	1.0	0.3	4.5	<0.1	74.1	1.03	0.37	0.12	19	0.77	0.118	12.3	9.1	0.31	295.6	0.005	<20	0.64	
1115145	Soil	1196	8.40	8.7	0.1	2.6	<0.1	81.5	0.77	0.20	0.10	17	1.66	0.213	1.2	7.0	0.19	163.0	0.002	<20	0.12	
1115146	Soil	361	1.38	1.2	0.3	10.2	<0.1	42.7	0.61	0.25	0.13	35	0.40	0.100	5.8	14.9	0.38	147.8	0.004	<20	0.75	
1115147	Soil	1241	1.05	1.2	0.2	3.4	<0.1	35.4	0.69	0.18	0.15	28	0.33	0.099	5.3	13.8	0.22	221.4	0.002	<20	0.65	
1115148	Soil	1250	0.62	0.3	0.2	2.8	<0.1	49.3	0.51	0.10	0.13	17	0.39	0.075	5.1	10.9	0.14	217.2	0.003	<20	0.46	
1115149	Soil	312	0.76	0.6	0.2	28.5	<0.1	43.8	0.27	0.12	0.11	23	0.35	0.057	3.6	10.4	0.18	166.3	0.007	<20	0.44	
1115150	Soil	982	0.58	0.2	0.1	1.8	<0.1	22.6	0.20	0.07	0.09	17	0.13	0.046	2.7	8.8	0.07	134.3	0.003	<20	0.41	
541916	Soil	198	0.49	0.6	0.7	1.8	<0.1	89.4	0.89	0.18	0.13	16	0.69	0.086	3.8	6.2	0.08	61.8	0.009	<20	0.23	
541917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541918	Soil	348	0.51	0.4	<0.1	0.5	<0.1	66.7	1.37	0.12	0.11	12	0.55	0.093	1.2	3.6	0.08	211.9	0.011	<20	0.16	
541919	Soil	150	0.16	0.5	<0.1	1.2	<0.1	113.4	0.38	0.10	0.06	3	1.08	0.079	0.5	3.4	0.02	92.7	0.004	<20	0.08	
541920	Soil	44	0.13	0.1	<0.1	1.3	<0.1	79.1	0.47	0.09	0.06	3	0.37	0.063	0.7	2.8	0.05	46.7	0.003	<20	0.08	
541921	Soil	184	0.22	0.7	<0.1	2.2	<0.1	42.0	0.43	0.09	0.08	7	0.37	0.076	2.6	6.3	0.05	90.9	0.006	<20	0.18	

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Na	K	W	Sc	TI	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	
Unit	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.02	0.05	0.1	0.01	0.1	
1115060	Soil	0.008	0.05	0.2	1.2	0.06	0.17	224	1.7	0.02	1.2	0.22	<0.1	<0.02	0.21	1.6	0.1	<0.05	0.4	5.45	3.2
1115061	Soil	0.009	0.09	0.4	0.6	0.08	0.11	241	0.3	0.04	2.0	1.03	<0.1	<0.02	0.10	11.5	0.1	<0.05	<0.1	9.10	16.0
1115062	Soil	0.005	0.14	<0.1	0.9	0.04	0.03	79	<0.1	<0.02	2.4	1.10	<0.1	<0.02	0.53	25.6	0.3	<0.05	0.2	0.90	3.1
1115063	Soil	0.007	0.04	0.3	0.9	<0.02	0.03	58	<0.1	<0.02	2.5	0.47	<0.1	<0.02	0.28	5.4	0.2	<0.05	0.1	1.13	2.4
1115064	Soil	0.010	0.05	<0.1	0.2	0.02	0.04	82	<0.1	<0.02	2.0	0.34	<0.1	<0.02	0.07	3.8	0.2	<0.05	<0.1	0.56	2.8
1115065	Soil	0.009	0.05	0.1	0.9	0.05	0.19	183	0.4	<0.02	1.1	0.59	<0.1	<0.02	0.17	7.8	<0.1	<0.05	<0.1	20.80	18.0
1115066	Soil	0.007	0.10	<0.1	0.4	0.04	0.12	143	0.3	<0.02	0.2	0.10	<0.1	<0.02	0.04	3.8	0.2	<0.05	0.2	0.37	0.6
1115134	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115135	Soil	0.007	0.04	<0.1	0.2	0.04	0.04	112	0.2	<0.02	1.2	0.38	<0.1	<0.02	0.11	4.3	0.2	<0.05	<0.1	0.55	4.3
1115136	Soil	0.007	0.06	0.3	2.0	0.06	0.09	158	0.1	0.05	2.6	0.75	<0.1	<0.02	0.21	5.2	0.2	<0.05	0.2	0.65	2.0
1115137	Soil	0.008	0.06	0.1	1.2	0.07	0.05	181	0.1	0.02	3.2	1.18	<0.1	<0.02	0.18	9.1	0.2	<0.05	<0.1	1.00	4.3
1115138	Soil	0.008	0.05	<0.1	0.5	0.05	0.05	121	0.2	<0.02	1.7	0.43	<0.1	<0.02	0.24	4.8	0.3	<0.05	<0.1	0.72	3.2
1115139	Soil	0.008	0.08	0.2	0.8	0.10	0.05	197	0.2	0.02	2.8	0.88	<0.1	<0.02	0.37	15.5	0.2	<0.05	0.2	0.98	2.5
1115140	Soil	0.005	0.03	<0.1	1.1	<0.02	0.03	50	<0.1	<0.02	2.5	0.46	<0.1	<0.02	0.55	7.2	0.3	<0.05	<0.1	2.52	5.4
1115141	Soil	0.005	0.03	<0.1	0.5	0.04	0.03	65	0.1	<0.02	3.0	0.42	<0.1	<0.02	0.49	4.4	0.4	<0.05	<0.1	1.16	5.6
1115142	Soil	0.005	0.03	<0.1	0.4	<0.02	0.02	61	0.1	<0.02	2.9	0.32	<0.1	<0.02	0.29	3.6	0.4	<0.05	<0.1	1.35	5.7
1115143	Soil	0.007	0.07	0.2	1.3	0.05	0.08	70	0.2	0.02	2.5	0.67	<0.1	<0.02	0.21	18.5	0.1	<0.05	0.3	8.87	8.7
1115144	Soil	0.012	0.07	0.2	0.6	0.04	0.11	133	0.2	0.03	1.7	0.33	<0.1	<0.02	0.19	4.5	0.2	<0.05	<0.1	12.86	19.4
1115145	Soil	0.019	0.04	<0.1	0.6	0.05	0.23	115	0.6	0.07	0.3	0.14	<0.1	<0.02	0.07	1.7	<0.1	<0.05	<0.1	2.73	1.8
1115146	Soil	0.007	0.08	0.2	0.3	0.04	0.07	98	0.3	0.02	2.8	0.34	<0.1	<0.02	0.11	6.4	0.2	<0.05	<0.1	4.66	10.1
1115147	Soil	0.008	0.07	0.2	0.2	0.03	0.06	107	0.2	0.03	2.7	0.37	<0.1	<0.02	0.05	5.0	0.2	<0.05	<0.1	3.89	9.1
1115148	Soil	0.006	0.05	<0.1	0.2	0.03	0.05	61	0.2	<0.02	2.3	0.50	<0.1	<0.02	0.04	6.9	0.2	<0.05	<0.1	2.82	8.8
1115149	Soil	0.006	0.06	0.1	0.3	0.03	0.04	91	0.2	<0.02	2.7	0.35	<0.1	<0.02	0.11	4.9	0.2	<0.05	<0.1	1.08	6.5
1115150	Soil	0.007	0.03	<0.1	0.1	0.04	0.03	52	0.1	<0.02	2.8	0.36	<0.1	<0.02	0.03	3.6	0.3	<0.05	<0.1	0.78	4.8
541916	Soil	0.010	0.05	0.1	0.6	0.04	0.14	157	0.4	<0.02	1.1	1.23	<0.1	<0.02	0.26	5.9	0.1	<0.05	0.2	5.16	4.2
541917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541918	Soil	0.012	0.08	<0.1	0.4	0.03	0.09	147	0.2	<0.02	1.2	1.48	<0.1	<0.02	0.20	11.2	0.2	<0.05	<0.1	0.58	2.2
541919	Soil	0.006	0.05	<0.1	0.3	<0.02	0.13	193	0.3	<0.02	0.3	0.31	<0.1	<0.02	0.08	4.3	<0.1	<0.05	0.2	0.25	0.8
541920	Soil	0.010	0.04	0.1	0.3	<0.02	0.16	127	0.3	<0.02	0.2	0.81	<0.1	<0.02	0.04	4.5	<0.1	<0.05	0.2	0.66	0.6
541921	Soil	0.008	0.08	<0.1	0.3	0.04	0.07	161	0.2	<0.02	1.4	0.37	<0.1	<0.02	0.10	4.1	0.2	<0.05	<0.1	0.48	4.3

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
1115060	Soil	<0.02	<1	0.2	2.3	<10	<2
1115061	Soil	<0.02	<1	0.3	1.2	<10	<2
1115062	Soil	<0.02	<1	<0.1	0.7	<10	<2
1115063	Soil	<0.02	<1	<0.1	0.4	<10	<2
1115064	Soil	<0.02	<1	<0.1	0.4	<10	<2
1115065	Soil	<0.02	<1	0.6	1.4	<10	<2
1115066	Soil	<0.02	<1	<0.1	0.2	<10	<2
1115134	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115135	Soil	<0.02	<1	<0.1	0.3	<10	<2
1115136	Soil	<0.02	<1	<0.1	0.8	<10	6
1115137	Soil	<0.02	<1	<0.1	2.2	<10	<2
1115138	Soil	<0.02	<1	<0.1	0.4	<10	<2
1115139	Soil	<0.02	<1	<0.1	1.3	<10	<2
1115140	Soil	<0.02	<1	0.1	0.3	<10	<2
1115141	Soil	<0.02	<1	<0.1	0.5	<10	<2
1115142	Soil	<0.02	<1	0.1	0.5	<10	<2
1115143	Soil	<0.02	<1	0.2	4.9	<10	<2
1115144	Soil	<0.02	<1	0.3	1.6	<10	<2
1115145	Soil	<0.02	1	<0.1	0.2	<10	<2
1115146	Soil	<0.02	<1	0.2	3.2	<10	<2
1115147	Soil	<0.02	<1	0.3	1.7	<10	<2
1115148	Soil	<0.02	<1	0.1	1.0	<10	<2
1115149	Soil	<0.02	<1	0.1	1.5	<10	<2
1115150	Soil	<0.02	<1	<0.1	0.5	<10	<2
541916	Soil	<0.02	<1	0.1	1.1	<10	<2
541917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541918	Soil	<0.02	<1	<0.1	0.4	<10	<2
541919	Soil	<0.02	<1	<0.1	0.2	<10	<2
541920	Soil	<0.02	<1	<0.1	0.2	<10	<2
541921	Soil	<0.02	1	<0.1	0.6	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 4 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
541922	Soil			1.08	7.68	9.11	24.0	1272	2.6	1.4	316	0.54	1.8	0.1	1.5	<0.1	19.6	0.22	0.08	0.16	14	0.17	0.051
541923	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541924	Soil			2.81	315.1	11.89	24.6	524	13.6	5.3	1021	1.09	<0.1	1.7	0.7	0.3	249.0	1.51	0.50	0.20	22	2.44	0.105
541925	Soil			3.41	148.0	4.21	23.7	568	6.0	1.0	606	0.13	<0.1	0.6	0.3	<0.1	228.1	1.12	0.23	0.10	6	2.14	0.096
541926	Soil			1.98	80.41	9.17	18.9	242	7.1	4.9	182	1.32	0.6	2.4	4.8	0.4	79.2	0.30	0.19	0.16	27	0.83	0.113
541927	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541928	Soil			1.17	8.42	7.22	37.6	445	1.8	1.0	159	0.51	<0.1	0.1	0.7	<0.1	34.3	0.32	0.09	0.08	14	0.31	0.056
541929	Soil			1.03	70.94	4.63	9.9	402	6.5	2.9	214	0.57	<0.1	0.2	1.1	<0.1	96.1	0.70	0.20	0.07	18	1.91	0.083
541930	Soil			1.53	14.12	9.17	28.4	354	3.1	1.5	84	0.67	<0.1	0.2	<0.2	<0.1	30.3	0.32	0.08	0.07	21	0.42	0.058
541931	Soil			1.36	14.47	6.84	19.6	898	4.1	5.1	1409	0.73	<0.1	0.1	4.5	<0.1	33.2	0.40	0.09	0.08	24	0.24	0.036
541932	Soil			1.02	6.59	6.79	8.5	586	1.7	1.0	41	0.36	0.3	<0.1	0.5	<0.1	28.4	0.20	0.09	0.06	15	0.25	0.025
541933	Soil			1.07	5.72	6.60	35.7	208	2.1	2.3	1443	0.71	0.6	0.1	<0.2	<0.1	20.9	0.30	0.08	0.06	22	0.34	0.054
541934	Soil			0.81	8.00	8.69	17.5	575	3.0	3.4	812	1.02	0.8	0.1	0.7	<0.1	24.0	0.18	0.10	0.07	33	0.26	0.047
541935	Soil			1.22	21.76	3.23	39.0	114	10.7	8.9	297	1.80	1.6	0.1	0.8	0.1	39.0	0.10	0.15	0.02	72	0.58	0.044
541936	Soil			0.46	8.76	5.30	24.8	1887	2.2	1.6	159	0.57	1.4	<0.1	0.6	<0.1	19.2	0.09	0.07	0.05	21	0.31	0.059
541937	Soil			4.79	13.63	5.77	16.3	424	4.8	4.6	613	1.51	1.1	<0.1	1.6	<0.1	25.4	0.13	0.13	0.05	41	0.39	0.064
541938	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541939	Soil			0.63	9.43	8.52	29.2	648	3.1	1.5	250	0.58	0.7	<0.1	7.1	<0.1	27.6	0.25	0.07	0.08	17	0.40	0.068
541940	Soil			7.27	85.83	8.39	30.6	807	3.1	4.4	2113	0.96	<0.1	<0.1	1.5	0.1	57.5	0.39	0.15	0.08	26	1.15	0.072
541941	Soil			5.12	33.78	16.25	15.1	495	6.8	43.3	7597	1.15	<0.1	0.2	0.7	<0.1	40.8	0.48	0.18	0.10	36	1.08	0.096
541943	Soil			1.09	124.9	6.48	18.5	1254	7.6	27.9	358	1.21	3.6	0.2	2.3	<0.1	62.9	0.37	0.20	0.84	25	1.25	0.153
541944	Soil			1.03	8.60	3.87	62.2	719	2.3	2.2	115	0.26	<0.1	<0.1	<0.2	<0.1	42.9	1.13	0.09	0.14	8	0.85	0.094
541945	Soil			1.26	11.76	9.98	23.6	763	3.9	4.0	510	1.05	1.8	<0.1	1.4	<0.1	29.5	0.24	0.11	0.09	37	0.28	0.062
541946	Soil			3.02	11.53	4.63	29.0	213	3.3	0.6	46	0.12	4.0	<0.1	1.1	0.1	28.5	0.09	0.14	0.13	2	0.57	0.116
541947	Soil			0.79	7.29	4.94	73.2	317	1.7	0.7	1051	0.07	0.5	<0.1	5.2	<0.1	36.8	0.16	0.13	0.18	<2	0.77	0.126
541948	Soil			1.22	9.12	14.05	22.8	825	3.1	1.7	162	0.53	2.8	<0.1	1.7	<0.1	44.5	0.18	0.15	0.19	16	0.50	0.087
541949	Soil			1.27	12.49	8.62	51.6	442	2.6	2.1	1145	0.72	2.8	0.1	1.4	<0.1	21.9	0.38	0.12	0.06	17	0.32	0.110
1115044	Soil			2.24	16.70	5.89	45.3	4307	2.7	1.9	204	0.79	3.3	<0.1	1.3	<0.1	31.3	0.17	0.12	0.11	24	0.34	0.106
1115045	Soil			3.59	530.7	4.53	19.2	869	6.9	4.6	1316	0.62	1.1	1.3	3.2	<0.1	214.2	0.80	0.47	0.13	21	2.23	0.110
1115046	Soil			7.81	82.30	14.97	83.6	898	5.6	19.4	9943	0.54	0.2	0.2	1.0	<0.1	95.7	1.38	0.19	0.08	16	1.18	0.184

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 4 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
541922	Soil	4.0	6.5	0.07	154.2	0.008	<1	0.37	0.007	0.05	<0.1	0.2	0.04	0.03	85	0.2	<0.02	2.4	0.41	<0.1	<0.02
541923	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541924	Soil	42.6	12.3	0.28	153.7	0.011	2	0.86	0.007	0.09	0.2	2.2	0.10	0.13	133	0.5	0.05	2.1	1.10	<0.1	<0.02
541925	Soil	13.3	5.2	0.13	95.1	0.002	3	0.19	0.011	0.06	<0.1	0.4	0.05	0.20	176	0.5	<0.02	0.2	0.12	<0.1	<0.02
541926	Soil	10.4	11.2	0.27	115.8	0.009	<1	0.87	0.016	0.07	0.2	2.1	0.09	0.13	155	0.3	0.03	2.7	1.12	<0.1	<0.02
541927	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541928	Soil	1.6	4.2	0.04	133.0	0.015	<1	0.16	0.008	0.06	0.1	0.4	<0.02	0.05	146	0.1	<0.02	1.3	0.31	<0.1	<0.02
541929	Soil	1.7	7.3	0.18	179.4	0.011	2	0.34	0.010	0.09	0.4	1.0	0.02	0.13	115	0.5	<0.02	1.3	0.29	<0.1	<0.02
541930	Soil	1.7	6.6	0.05	198.5	0.007	<1	0.21	0.009	0.06	<0.1	0.2	<0.02	0.05	84	0.1	<0.02	1.3	0.28	<0.1	<0.02
541931	Soil	1.8	9.8	0.05	545.7	0.022	<1	0.28	0.007	0.04	<0.1	0.4	0.05	0.03	75	0.1	<0.02	1.9	0.33	<0.1	<0.02
541932	Soil	1.7	5.8	0.04	120.9	0.021	<1	0.22	0.006	0.03	<0.1	0.3	<0.02	<0.02	55	<0.1	<0.02	1.4	0.23	<0.1	<0.02
541933	Soil	1.4	8.4	0.07	149.4	0.027	<1	0.23	0.007	0.06	0.1	0.5	0.04	0.04	84	0.2	<0.02	2.5	0.27	<0.1	<0.02
541934	Soil	1.6	11.4	0.12	199.8	0.031	<1	0.33	0.008	0.06	0.1	0.5	0.04	0.03	67	0.2	0.03	2.5	0.31	<0.1	<0.02
541935	Soil	1.3	39.4	0.69	61.9	0.112	<1	0.84	0.011	0.12	0.7	1.5	0.03	0.04	143	0.2	<0.02	4.1	0.52	<0.1	<0.02
541936	Soil	1.2	7.7	0.10	88.3	0.024	<1	0.22	0.009	0.06	0.2	0.3	0.03	0.05	123	0.2	<0.02	1.9	0.53	<0.1	<0.02
541937	Soil	1.0	17.2	0.19	117.9	0.049	<1	0.32	0.013	0.09	0.7	0.7	0.06	0.05	77	0.2	0.04	2.3	1.13	<0.1	<0.02
541938	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541939	Soil	1.5	8.8	0.06	158.7	0.019	<1	0.23	0.009	0.06	0.3	0.4	0.03	0.06	185	<0.1	<0.02	1.4	0.32	<0.1	<0.02
541940	Soil	1.6	8.0	0.11	125.8	0.036	<1	0.19	0.005	0.08	0.4	1.0	0.06	0.07	110	0.2	0.02	1.2	2.77	<0.1	<0.02
541941	Soil	3.8	9.9	0.17	192.9	0.026	<1	0.35	0.008	0.08	0.4	1.3	0.14	0.06	132	0.2	<0.02	1.8	1.71	<0.1	<0.02
541943	Soil	6.1	11.2	0.19	152.2	0.009	2	0.41	0.008	0.08	0.1	1.0	0.05	0.11	143	0.5	<0.02	1.0	1.42	<0.1	<0.02
541944	Soil	0.5	6.8	0.09	92.6	0.013	2	0.11	0.006	0.08	<0.1	0.6	<0.02	0.12	148	0.3	0.02	0.6	0.27	<0.1	<0.02
541945	Soil	1.7	14.2	0.14	207.1	0.042	<1	0.37	0.012	0.08	<0.1	0.5	0.04	0.04	83	0.2	<0.02	2.4	0.56	<0.1	<0.02
541946	Soil	0.6	6.9	0.06	144.8	0.004	2	0.07	0.012	0.13	0.1	0.5	<0.02	0.12	150	0.5	<0.02	0.2	0.15	<0.1	<0.02
541947	Soil	<0.5	3.6	0.07	200.9	0.003	3	0.06	0.008	0.10	<0.1	0.7	0.06	0.12	314	0.3	<0.02	0.2	0.19	<0.1	<0.02
541948	Soil	1.5	8.8	0.08	323.5	0.018	1	0.21	0.011	0.11	<0.1	0.5	0.03	0.07	101	0.4	<0.02	1.2	0.38	<0.1	<0.02
541949	Soil	1.5	6.1	0.13	126.2	0.009	1	0.30	0.012	0.12	<0.1	0.2	0.07	0.09	106	0.3	<0.02	1.5	0.36	<0.1	<0.02
1115044	Soil	0.9	11.1	0.10	85.2	0.022	2	0.17	0.006	0.11	0.1	0.4	0.05	0.10	134	0.3	<0.02	1.3	0.82	<0.1	<0.02
1115045	Soil	13.1	7.5	0.18	156.0	0.012	2	0.47	0.008	0.08	0.1	0.8	0.22	0.15	176	0.6	<0.02	1.2	1.73	<0.1	<0.02
1115046	Soil	5.6	3.4	0.12	320.1	0.007	1	0.25	0.004	0.16	0.1	0.4	0.16	0.13	265	0.2	<0.02	1.1	1.46	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 4 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
541922	Soil	0.13	5.0	0.3	<0.05	<0.1	0.80	8.2	<0.02	2	<0.1	0.9	<10	<2	0.91	8.06	10.51	25.6	1229	2.3	1.1
541923	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	7.22	256.5	4.11	12.9	569	7.5	0.9
541924	Soil	0.48	20.8	0.2	<0.05	0.5	36.19	12.1	<0.02	<1	0.6	4.1	<10	<2	2.79	352.5	15.51	27.1	569	13.9	5.1
541925	Soil	0.06	3.4	0.1	<0.05	0.4	14.58	2.0	<0.02	2	0.1	0.3	<10	<2	2.96	161.5	5.21	26.0	599	5.9	1.0
541926	Soil	0.27	12.3	0.2	<0.05	0.2	9.12	16.1	<0.02	<1	0.4	3.7	<10	<2	1.86	82.92	10.78	18.1	253	6.1	4.3
541927	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.26	14.64	1.20	15.0	43	4.5	1.2
541928	Soil	0.20	5.6	0.2	<0.05	<0.1	0.58	3.0	<0.02	3	<0.1	0.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541929	Soil	0.19	5.9	0.1	<0.05	0.3	2.96	3.3	<0.02	<1	<0.1	0.7	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541930	Soil	0.16	3.7	0.2	<0.05	<0.1	0.85	3.2	<0.02	2	<0.1	0.1	<10	<2	1.11	13.28	10.14	26.9	338	2.5	1.3
541931	Soil	0.22	2.7	0.3	<0.05	<0.1	1.18	3.8	<0.02	<1	<0.1	0.3	<10	<2	1.12	15.76	8.04	21.2	885	3.5	4.3
541932	Soil	0.14	2.4	0.2	<0.05	<0.1	0.91	3.5	<0.02	1	<0.1	0.1	33	<2	0.76	6.84	8.24	10.1	604	1.4	0.9
541933	Soil	0.26	4.6	0.3	<0.05	<0.1	0.68	2.8	<0.02	1	<0.1	0.3	<10	<2	0.74	6.30	7.45	34.8	213	1.9	2.1
541934	Soil	0.20	4.9	0.3	<0.05	<0.1	1.02	3.2	<0.02	3	<0.1	0.5	<10	<2	0.67	8.11	8.96	17.8	518	3.0	3.5
541935	Soil	0.38	7.9	0.2	<0.05	0.4	1.74	2.3	<0.02	1	<0.1	3.5	<10	3	1.23	23.20	3.55	41.3	118	11.7	9.1
541936	Soil	0.15	5.8	0.1	<0.05	<0.1	0.76	2.2	<0.02	3	<0.1	0.4	<10	<2	0.47	8.65	5.53	24.4	1860	2.1	1.5
541937	Soil	0.17	14.2	0.2	<0.05	<0.1	1.20	1.9	<0.02	1	<0.1	0.8	<10	<2	4.30	14.44	6.08	15.8	408	5.0	4.9
541938	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.04	10.53	5.21	28.1	305	2.7	2.8
541939	Soil	0.15	4.8	0.2	<0.05	<0.1	0.74	3.0	<0.02	2	<0.1	0.3	<10	<2	0.53	9.29	8.46	26.0	587	3.1	1.5
541940	Soil	0.36	15.2	0.2	<0.05	0.2	1.73	3.1	<0.02	2	<0.1	0.6	<10	<2	6.86	97.87	9.34	31.6	845	3.6	5.1
541941	Soil	0.14	14.5	0.2	<0.05	<0.1	4.08	13.8	<0.02	2	0.1	1.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541943	Soil	0.14	13.2	0.2	<0.05	0.3	8.52	13.7	<0.02	<1	0.1	1.8	<10	<2	0.87	116.6	5.50	17.2	1094	7.7	27.2
541944	Soil	0.06	6.0	0.2	<0.05	0.2	0.22	0.9	<0.02	<1	<0.1	0.4	<10	3	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541945	Soil	0.20	7.8	0.3	<0.05	0.1	1.27	3.2	<0.02	<1	<0.1	0.8	<10	<2	1.12	11.19	9.33	22.4	750	4.1	4.2
541946	Soil	0.06	6.3	0.2	<0.05	0.3	0.34	1.0	<0.02	<1	<0.1	0.3	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541947	Soil	<0.02	4.6	0.2	<0.05	<0.1	0.11	0.5	<0.02	1	<0.1	0.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541948	Soil	0.18	5.7	0.2	<0.05	<0.1	0.72	2.7	<0.02	2	<0.1	0.4	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541949	Soil	0.10	10.2	0.2	<0.05	<0.1	0.80	2.7	<0.02	<1	<0.1	0.7	<10	<2	1.05	12.21	7.99	52.8	434	3.0	2.2
1115044	Soil	0.24	15.2	0.2	<0.05	<0.1	0.63	1.6	<0.02	<1	<0.1	0.5	<10	<2	2.06	15.38	5.12	41.7	3891	2.5	2.0
1115045	Soil	0.18	12.9	0.1	<0.05	<0.1	20.77	8.1	<0.02	2	0.3	2.9	<10	<2	2.70	471.3	3.68	17.6	772	6.4	4.1
1115046	Soil	0.07	25.1	0.1	<0.05	<0.1	7.98	11.1	<0.02	<1	0.1	0.7	<10	<2	6.70	77.12	12.36	77.4	802	5.6	19.4

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 4 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
541922	Soil	307	0.52	0.5	0.1	1.1	<0.1	21.0	0.27	0.09	0.14	14	0.16	0.050	3.8	5.7	0.08	152.6	0.006	<20	0.38
541923	Soil	387	0.16	0.1	0.5	3.0	<0.1	238.2	1.37	0.45	0.10	15	2.46	0.098	10.3	4.4	0.14	96.8	0.002	<20	0.14
541924	Soil	1110	1.18	1.0	1.9	3.8	0.3	269.2	2.03	0.56	0.24	24	2.84	0.115	52.1	13.5	0.31	174.6	0.010	<20	0.88
541925	Soil	613	0.14	0.3	0.6	3.3	0.1	238.7	1.34	0.26	0.12	6	2.30	0.102	15.7	4.5	0.14	100.5	0.002	<20	0.18
541926	Soil	191	1.28	0.7	2.6	11.6	0.2	83.9	0.39	0.22	0.19	26	0.82	0.107	11.2	10.8	0.27	117.4	0.007	<20	0.81
541927	Soil	58	0.19	0.4	0.3	4.0	<0.1	28.2	0.19	0.08	0.13	5	0.69	0.086	0.7	10.9	0.13	22.1	0.004	<20	0.10
541928	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541929	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541930	Soil	82	0.57	0.2	0.2	0.6	<0.1	30.1	0.30	0.08	0.08	18	0.37	0.054	1.4	5.8	0.05	182.3	0.005	<20	0.18
541931	Soil	1505	0.68	0.2	0.1	2.1	<0.1	38.2	0.44	0.09	0.09	23	0.23	0.038	2.1	9.3	0.06	455.4	0.022	<20	0.29
541932	Soil	44	0.35	<0.1	<0.1	0.6	<0.1	31.7	0.27	0.08	0.09	15	0.24	0.026	1.7	5.1	0.04	125.1	0.016	<20	0.22
541933	Soil	1401	0.74	0.4	0.1	0.6	<0.1	23.0	0.35	0.08	0.08	24	0.34	0.050	1.4	9.2	0.07	148.4	0.024	<20	0.22
541934	Soil	802	0.93	0.5	<0.1	3.4	<0.1	20.2	0.17	0.11	0.05	28	0.23	0.047	1.3	10.0	0.12	204.1	0.020	<20	0.32
541935	Soil	283	1.86	1.1	0.1	1.6	0.1	36.9	0.08	0.15	<0.02	72	0.55	0.047	1.2	40.4	0.74	66.8	0.104	<20	0.87
541936	Soil	149	0.50	0.3	<0.1	<0.2	<0.1	17.4	0.10	0.07	0.04	19	0.29	0.058	1.0	7.2	0.10	86.6	0.018	<20	0.20
541937	Soil	587	1.33	0.7	<0.1	6.2	<0.1	22.6	0.12	0.13	<0.02	38	0.34	0.057	0.9	15.4	0.19	114.9	0.037	<20	0.31
541938	Soil	203	1.22	0.1	<0.1	<0.2	<0.1	22.2	0.10	0.07	<0.02	32	0.49	0.060	<0.5	16.5	0.18	77.0	0.031	<20	0.20
541939	Soil	237	0.51	0.6	<0.1	0.9	<0.1	24.3	0.23	0.08	0.02	15	0.37	0.060	1.2	7.9	0.06	147.3	0.014	<20	0.21
541940	Soil	2342	0.87	0.8	<0.1	1.2	<0.1	57.4	0.45	0.14	0.03	24	1.23	0.076	1.4	7.9	0.11	132.3	0.029	<20	0.18
541941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541943	Soil	340	1.11	0.7	0.2	<0.2	<0.1	61.6	0.32	0.16	0.77	23	1.23	0.128	5.4	9.7	0.20	149.0	0.006	<20	0.42
541944	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541945	Soil	542	0.93	0.6	<0.1	<0.2	<0.1	30.1	0.24	0.10	0.11	33	0.28	0.066	1.5	12.9	0.16	208.0	0.042	<20	0.38
541946	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541947	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541948	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541949	Soil	1184	0.48	0.7	<0.1	1.4	<0.1	20.8	0.41	0.08	0.10	13	0.34	0.112	1.2	5.5	0.14	130.2	0.005	<20	0.31
1115044	Soil	198	0.71	0.4	<0.1	0.9	<0.1	33.1	0.15	0.12	0.10	23	0.35	0.103	0.9	9.8	0.10	85.5	0.027	<20	0.17
1115045	Soil	1194	0.53	0.6	1.1	1.3	<0.1	203.9	0.72	0.41	0.13	19	2.06	0.088	11.2	6.6	0.17	148.3	0.006	<20	0.44
1115046	Soil	8492	0.47	1.0	0.1	<0.2	<0.1	102.2	1.29	0.20	0.07	20	1.02	0.169	5.0	4.4	0.13	287.3	0.008	<20	0.25

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 4 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
541922	Soil			0.007	0.05	<0.1	0.2	0.03	0.03	65	0.2	<0.02	2.5	0.31	<0.1	<0.02	0.11	3.9	0.2	<0.05	<0.1	0.79	6.8
541923	Soil			0.015	0.05	0.1	0.3	0.07	0.19	119	0.5	<0.02	0.3	0.14	0.2	<0.02	0.05	3.5	<0.1	<0.05	0.4	11.70	3.3
541924	Soil			0.006	0.10	0.2	2.0	0.08	0.14	131	0.3	0.04	2.4	0.90	<0.1	<0.02	0.46	18.6	0.2	<0.05	0.5	41.63	12.8
541925	Soil			0.011	0.06	<0.1	0.4	0.06	0.21	162	0.4	<0.02	0.2	0.11	0.1	<0.02	0.05	3.5	<0.1	<0.05	0.3	16.19	2.0
541926	Soil			0.015	0.06	0.2	1.5	0.09	0.13	161	0.2	0.02	2.6	0.91	<0.1	<0.02	0.26	11.1	0.2	<0.05	0.2	9.54	16.0
541927	Soil			0.012	0.09	0.2	0.3	<0.02	0.16	64	0.3	<0.02	0.4	0.14	<0.1	<0.02	0.08	2.8	<0.1	<0.05	0.1	0.67	0.7
541928	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541929	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541930	Soil			0.009	0.05	<0.1	0.2	<0.02	0.05	92	0.1	<0.02	1.3	0.23	<0.1	<0.02	0.14	3.0	0.2	<0.05	<0.1	0.69	2.6
541931	Soil			0.007	0.04	<0.1	0.4	0.05	0.03	69	<0.1	<0.02	2.1	0.32	<0.1	<0.02	0.18	2.8	0.3	<0.05	<0.1	1.21	4.0
541932	Soil			0.006	0.03	<0.1	0.3	<0.02	0.02	54	<0.1	<0.02	1.6	0.20	<0.1	<0.02	0.14	2.4	0.2	<0.05	<0.1	0.84	3.2
541933	Soil			0.006	0.06	<0.1	0.4	0.03	0.04	72	0.1	<0.02	2.4	0.22	<0.1	<0.02	0.22	4.2	0.3	<0.05	<0.1	0.65	2.4
541934	Soil			0.008	0.06	<0.1	0.5	0.12	0.03	50	<0.1	<0.02	2.6	0.26	<0.1	<0.02	0.12	4.2	0.2	<0.05	<0.1	0.72	2.7
541935	Soil			0.008	0.13	0.4	1.5	0.17	0.06	147	0.2	<0.02	4.3	0.54	<0.1	<0.02	0.28	8.0	0.2	<0.05	0.1	1.29	1.9
541936	Soil			0.008	0.06	0.1	0.3	0.09	0.05	84	0.1	<0.02	1.7	0.45	<0.1	<0.02	0.13	5.2	0.2	<0.05	<0.1	0.57	1.8
541937	Soil			0.011	0.09	0.4	0.8	0.12	0.05	68	0.1	<0.02	2.3	1.00	<0.1	<0.02	0.16	12.7	0.2	<0.05	<0.1	1.00	1.7
541938	Soil			0.011	0.08	<0.1	0.7	0.09	0.06	109	0.2	<0.02	2.0	0.25	<0.1	<0.02	0.09	4.5	0.1	<0.05	<0.1	0.68	0.8
541939	Soil			0.008	0.06	0.1	0.4	0.09	0.06	106	0.1	<0.02	1.2	0.23	<0.1	<0.02	0.10	3.7	0.2	<0.05	<0.1	0.62	2.0
541940	Soil			0.004	0.09	0.4	0.9	0.13	0.08	97	0.3	<0.02	1.4	2.35	<0.1	<0.02	0.28	12.4	0.2	<0.05	<0.1	1.50	2.5
541941	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541943	Soil			0.008	0.08	0.1	0.4	<0.02	0.11	103	0.6	<0.02	1.1	1.05	<0.1	<0.02	0.12	10.1	0.2	<0.05	<0.1	7.88	12.7
541944	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541945	Soil			0.013	0.08	<0.1	0.3	0.02	0.04	72	0.3	<0.02	2.2	0.51	<0.1	<0.02	0.19	7.5	0.2	<0.05	<0.1	1.15	2.9
541946	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541947	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541948	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541949	Soil			0.011	0.11	<0.1	0.1	0.06	0.09	114	0.5	<0.02	1.5	0.32	<0.1	<0.02	0.09	9.8	0.2	<0.05	<0.1	0.64	2.2
1115044	Soil			0.006	0.10	0.1	0.3	0.04	0.09	131	0.3	0.04	1.4	0.76	<0.1	<0.02	0.31	13.7	0.2	<0.05	0.2	0.67	1.5
1115045	Soil			0.008	0.07	<0.1	0.3	0.17	0.13	138	1.1	0.03	1.2	1.27	<0.1	<0.02	0.15	9.6	0.1	<0.05	<0.1	18.46	7.5
1115046	Soil			0.004	0.14	<0.1	0.3	0.12	0.11	229	0.5	0.04	1.6	1.40	<0.1	<0.02	0.05	23.4	0.1	<0.05	<0.1	7.82	10.0

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 4 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
541922	Soil	<0.02	<1	0.1	0.9	<10	<2
541923	Soil	<0.02	<1	0.2	0.3	<10	<2
541924	Soil	<0.02	<1	0.6	4.7	<10	<2
541925	Soil	<0.02	<1	0.2	0.3	<10	<2
541926	Soil	<0.02	<1	0.4	3.7	<10	<2
541927	Soil	<0.02	<1	<0.1	0.5	<10	<2
541928	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541929	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541930	Soil	<0.02	<1	<0.1	0.2	<10	<2
541931	Soil	<0.02	<1	<0.1	0.4	<10	<2
541932	Soil	<0.02	<1	<0.1	0.2	<10	<2
541933	Soil	<0.02	<1	<0.1	0.4	<10	<2
541934	Soil	<0.02	1	<0.1	0.6	<10	<2
541935	Soil	<0.02	2	<0.1	3.6	<10	3
541936	Soil	<0.02	2	<0.1	0.4	<10	<2
541937	Soil	<0.02	2	<0.1	0.9	<10	<2
541938	Soil	<0.02	2	<0.1	0.6	<10	<2
541939	Soil	<0.02	3	<0.1	0.3	<10	<2
541940	Soil	<0.02	1	<0.1	0.6	<10	<2
541941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541943	Soil	0.02	<1	0.5	1.4	<10	<2
541944	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541945	Soil	<0.02	<1	<0.1	0.7	<10	<2
541946	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541947	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541948	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541949	Soil	<0.02	<1	0.2	0.4	<10	<2
1115044	Soil	<0.02	<1	<0.1	0.5	<10	<2
1115045	Soil	<0.02	<1	0.3	2.3	<10	<2
1115046	Soil	<0.02	<1	<0.1	0.5	<10	<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

Project: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 5 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1115047	Soil			2.33	15.61	5.00	30.0	1408	2.1	1.2	387	0.13	<0.1	<0.1	9.2	<0.1	67.1	0.75	0.09	<0.02	<2	0.93	0.107
1115048	Soil			2.28	30.38	6.71	30.1	315	2.6	2.7	392	0.13	0.4	<0.1	0.9	<0.1	83.6	0.36	0.14	0.45	4	0.86	0.115
1115049	Soil			2.51	12.52	4.10	29.5	238	2.5	0.7	100	0.07	0.8	<0.1	1.9	<0.1	60.1	1.28	0.10	0.09	<2	0.69	0.095
1115050	Soil			2.11	10.11	3.99	48.1	304	3.6	0.8	1935	0.14	1.1	<0.1	<0.2	<0.1	27.7	0.18	0.07	0.24	<2	0.59	0.146
540921	Soil			0.76	8.19	8.35	39.4	149	3.1	2.4	441	0.31	0.5	<0.1	0.9	<0.1	18.5	0.14	0.18	0.04	8	0.59	0.136
540922	Soil			0.84	6.22	10.27	69.6	262	4.4	3.5	212	0.37	1.1	<0.1	0.7	<0.1	18.0	0.08	0.16	0.05	10	0.32	0.108
540923	Soil			1.58	47.94	5.40	27.0	259	7.0	10.2	1542	0.65	0.3	0.2	1.5	<0.1	69.1	1.23	0.29	0.04	14	2.60	0.174
540924	Soil			1.82	61.87	6.18	28.4	366	13.8	9.9	1385	1.33	0.9	0.4	2.8	0.1	67.1	0.66	0.23	0.09	34	2.31	0.147
540925	Soil			1.81	28.11	12.32	53.7	306	13.1	9.4	685	1.73	1.3	0.2	3.6	<0.1	60.5	0.30	0.19	0.13	50	1.18	0.087
540926	Soil			0.85	10.04	11.04	30.1	497	4.2	5.5	2466	0.28	<0.1	0.1	<0.2	<0.1	57.8	0.62	0.18	0.19	5	1.61	0.161
540927	Soil			0.82	8.99	8.10	33.2	769	2.8	1.6	395	0.15	0.8	<0.1	<0.2	<0.1	11.6	0.17	0.13	0.08	4	0.32	0.154
540928	Soil			0.80	6.51	9.78	44.8	374	3.9	2.4	394	0.27	0.4	<0.1	0.9	<0.1	17.5	0.12	0.09	0.05	6	0.26	0.142
540929	Soil			1.00	14.02	16.84	50.9	501	10.1	7.0	3093	1.09	0.8	<0.1	1.6	<0.1	39.9	0.81	0.17	0.09	29	1.20	0.144
540930	Soil			1.12	9.64	8.23	33.5	283	4.3	2.8	272	0.33	0.2	<0.1	0.8	<0.1	26.1	0.21	0.10	0.06	9	0.78	0.117
540931	Soil			0.73	13.76	11.03	103.7	523	9.7	9.3	2657	1.34	0.4	<0.1	1.7	<0.1	38.7	0.30	0.20	0.09	42	1.38	0.121
540932	Soil			1.29	20.35	10.70	38.0	152	8.1	6.1	1569	0.95	0.2	<0.1	1.0	<0.1	27.4	0.65	0.14	0.08	31	1.45	0.145
540933	Soil			1.99	19.75	11.15	31.1	233	8.8	7.0	808	1.09	0.8	<0.1	1.8	<0.1	21.8	0.25	0.16	0.08	29	0.78	0.071
540934	Soil			1.37	23.33	10.43	33.5	347	11.5	10.0	1275	1.59	2.0	<0.1	0.8	<0.1	25.2	0.61	0.15	0.10	48	0.79	0.083
540935	Soil			1.40	135.9	17.22	38.3	421	25.1	15.7	2589	2.44	1.9	0.4	1.1	0.2	42.4	0.81	0.24	0.19	91	1.70	0.067
540936	Soil			1.39	45.16	8.61	21.8	354	9.9	7.9	1123	1.64	0.8	0.2	2.9	<0.1	45.5	0.80	0.15	0.13	50	1.67	0.112
540937	Soil			1.60	74.30	5.39	11.8	475	4.9	4.5	1067	0.30	<0.1	0.8	3.3	<0.1	75.1	1.00	0.32	0.04	27	3.30	0.149
540938	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540939	Soil			0.49	8.75	7.00	52.8	1009	3.0	4.5	894	0.19	<0.1	<0.1	1.1	0.2	40.8	0.31	0.20	0.64	5	1.33	0.126
540940	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540941	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540942	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540943	Soil			1.49	22.62	4.91	13.8	499	4.7	5.1	143	0.81	0.1	0.1	<0.2	0.1	44.9	0.19	0.24	0.43	21	1.14	0.131
540944	Soil			1.65	21.74	10.49	24.7	392	6.5	6.0	1042	1.15	<0.1	<0.1	<0.2	<0.1	39.0	0.51	0.17	0.24	42	1.67	0.125
540945	Soil			1.92	53.71	10.67	27.8	433	8.0	14.8	599	0.97	0.1	<0.1	<0.2	<0.1	36.1	0.55	0.19	0.22	31	0.85	0.158
540946	Soil			0.59	14.20	7.79	38.8	819	3.8	7.1	2041	1.75	3.2	<0.1	1.1	<0.1	32.4	0.19	0.25	0.48	55	0.43	0.143

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 5 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
1115047	Soil	0.6	3.0	0.06	102.9	0.004	1	0.08	0.006	0.10	<0.1	0.3	0.03	0.15	280	0.4	<0.02	0.2	0.69	<0.1	<0.02
1115048	Soil	1.6	5.2	0.07	61.3	0.004	2	0.09	0.006	0.11	<0.1	0.5	0.06	0.14	183	0.5	0.03	0.3	0.57	<0.1	<0.02
1115049	Soil	<0.5	3.7	0.08	54.4	0.002	2	0.06	0.008	0.07	<0.1	0.3	0.06	0.16	156	0.3	0.10	0.2	0.18	<0.1	<0.02
1115050	Soil	<0.5	7.6	0.06	81.1	0.004	2	0.10	0.009	0.13	<0.1	0.4	0.08	0.13	187	0.4	0.04	0.3	0.24	<0.1	<0.02
540921	Soil	0.9	5.6	0.12	263.4	0.011	1	0.20	0.006	0.08	<0.1	0.5	0.15	0.15	400	0.3	<0.02	0.8	1.89	<0.1	<0.02
540922	Soil	1.8	7.9	0.12	201.7	0.010	1	0.29	0.006	0.07	<0.1	0.3	0.08	0.12	213	0.2	<0.02	1.3	0.80	<0.1	<0.02
540923	Soil	1.5	12.5	0.24	138.0	0.010	4	0.37	0.007	0.12	<0.1	0.8	0.09	0.33	110	1.3	<0.02	1.0	3.46	<0.1	<0.02
540924	Soil	2.5	28.2	0.48	133.4	0.016	2	0.81	0.006	0.12	0.1	1.4	0.09	0.26	153	1.3	<0.02	2.3	8.58	<0.1	<0.02
540925	Soil	2.5	34.3	0.69	117.0	0.034	1	1.09	0.005	0.08	0.1	1.5	0.06	0.12	142	0.2	<0.02	4.0	8.03	<0.1	<0.02
540926	Soil	1.4	6.0	0.16	210.0	0.008	2	0.28	0.006	0.10	<0.1	0.7	0.22	0.17	353	0.5	<0.02	0.7	1.99	<0.1	<0.02
540927	Soil	<0.5	4.2	0.08	92.1	0.006	1	0.09	0.006	0.15	0.1	0.5	0.10	0.14	282	0.4	0.05	0.3	2.24	<0.1	<0.02
540928	Soil	0.9	5.6	0.10	132.7	0.007	<1	0.22	0.006	0.10	<0.1	0.4	0.16	0.14	157	0.1	<0.02	1.0	3.09	<0.1	<0.02
540929	Soil	1.5	23.8	0.43	281.7	0.010	2	0.66	0.004	0.10	0.1	0.7	0.28	0.14	353	0.2	<0.02	2.4	4.94	<0.1	<0.02
540930	Soil	0.6	8.7	0.18	170.6	0.011	<1	0.22	0.004	0.08	0.1	0.5	0.06	0.15	194	0.2	<0.02	1.0	1.99	<0.1	<0.02
540931	Soil	1.0	25.0	0.43	491.8	0.026	2	0.64	0.004	0.11	0.2	0.8	0.12	0.12	277	0.2	<0.02	3.0	5.33	<0.1	<0.02
540932	Soil	0.9	22.1	0.37	221.3	0.016	2	0.46	0.004	0.12	<0.1	0.8	0.16	0.18	297	0.4	<0.02	1.8	4.96	<0.1	<0.02
540933	Soil	0.8	19.4	0.49	186.1	0.041	<1	0.65	0.003	0.07	0.1	0.9	0.08	0.12	156	0.3	<0.02	1.9	4.89	<0.1	<0.02
540934	Soil	0.8	29.4	0.80	263.3	0.053	1	0.89	0.002	0.07	0.2	1.2	0.06	0.11	169	0.1	<0.02	2.8	5.19	<0.1	<0.02
540935	Soil	2.6	74.8	1.38	95.0	0.063	2	1.66	<0.001	0.07	0.2	3.7	0.07	0.08	134	0.4	<0.02	5.7	7.10	<0.1	<0.02
540936	Soil	1.8	43.1	0.43	72.7	0.021	1	0.66	0.003	0.07	0.1	1.1	0.08	0.15	130	0.4	<0.02	2.8	12.62	<0.1	<0.02
540937	Soil	1.0	12.7	0.12	159.1	0.007	5	0.17	0.007	0.07	<0.1	0.5	0.09	0.30	167	4.2	<0.02	1.2	1.89	0.2	0.02
540938	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540939	Soil	0.6	4.1	0.09	227.3	0.005	4	0.10	0.007	0.09	<0.1	0.7	0.10	0.19	484	0.3	<0.02	0.4	0.74	<0.1	0.02
540940	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540942	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540943	Soil	2.3	9.8	0.19	68.7	0.013	2	0.39	0.004	0.06	0.2	1.3	0.04	0.19	215	0.8	0.04	1.1	6.30	<0.1	<0.02
540944	Soil	0.8	22.0	0.34	117.6	0.027	3	0.38	0.004	0.09	0.3	0.9	0.14	0.13	250	0.5	<0.02	1.8	5.90	<0.1	<0.02
540945	Soil	1.7	12.2	0.29	76.5	0.018	2	0.45	0.006	0.10	0.3	0.8	0.05	0.13	128	0.2	<0.02	1.6	8.38	0.1	<0.02
540946	Soil	1.7	17.7	0.22	272.4	0.029	1	0.41	0.006	0.11	0.1	0.8	0.08	0.07	143	0.2	0.03	2.4	5.07	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 5 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
1115047	Soil	0.04	11.0	0.1	<0.05	0.2	0.55	0.9	<0.02	<1	<0.1	0.3	<10	<2	1.89	14.58	4.31	24.9	1187	1.7	1.2
1115048	Soil	0.05	10.1	0.1	<0.05	0.3	1.64	2.3	<0.02	<1	<0.1	0.4	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115049	Soil	0.03	4.5	<0.1	<0.05	0.1	0.14	0.4	<0.02	<1	<0.1	0.3	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115050	Soil	0.05	9.8	<0.1	<0.05	<0.1	0.30	0.8	<0.02	3	<0.1	0.3	<10	<2	1.64	8.47	3.21	39.2	282	3.1	0.8
540921	Soil	0.12	12.6	0.2	<0.05	0.1	0.41	1.6	<0.02	<1	<0.1	0.7	<10	<2	0.57	7.82	7.34	33.0	127	3.2	2.3
540922	Soil	0.16	7.2	0.2	<0.05	<0.1	0.55	3.3	<0.02	<1	<0.1	1.3	<10	<2	0.74	6.63	9.61	69.6	296	4.1	3.8
540923	Soil	0.17	11.6	0.1	<0.05	0.6	1.90	2.5	<0.02	<1	0.1	2.3	<10	<2	1.10	44.55	4.40	24.1	225	6.6	10.2
540924	Soil	0.30	15.1	0.1	<0.05	0.5	3.81	4.1	<0.02	<1	0.1	5.6	<10	<2	1.50	57.98	4.80	26.0	323	14.0	9.5
540925	Soil	0.67	20.4	0.3	<0.05	0.2	1.79	4.6	<0.02	<1	<0.1	12.8	<10	<2	1.48	24.75	9.90	42.6	250	11.3	8.8
540926	Soil	0.12	8.8	0.1	<0.05	0.1	1.25	3.1	<0.02	<1	<0.1	1.4	<10	<2	0.62	8.77	8.68	25.9	402	3.9	5.3
540927	Soil	0.04	12.1	0.1	<0.05	<0.1	0.16	0.8	<0.02	3	<0.1	0.3	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540928	Soil	0.08	11.3	0.2	<0.05	<0.1	0.32	1.6	<0.02	2	<0.1	0.5	<10	<2	0.75	6.85	8.62	47.9	341	5.0	2.4
540929	Soil	0.22	17.5	0.2	<0.05	<0.1	1.20	3.5	<0.02	<1	<0.1	5.5	<10	<2	0.70	13.01	13.39	42.9	399	9.2	6.4
540930	Soil	0.15	10.5	0.1	<0.05	0.2	0.33	1.2	<0.02	<1	<0.1	1.1	<10	<2	0.98	8.76	6.47	31.0	250	4.1	2.6
540931	Soil	0.22	14.1	0.2	<0.05	<0.1	0.62	1.9	<0.02	<1	<0.1	3.3	<10	<2	0.54	11.65	8.38	87.1	452	8.3	8.6
540932	Soil	0.17	14.0	0.2	<0.05	<0.1	0.81	1.9	<0.02	<1	<0.1	3.8	<10	<2	0.92	17.18	8.04	29.9	103	7.2	5.7
540933	Soil	0.22	13.2	0.2	<0.05	0.2	0.69	1.7	<0.02	<1	<0.1	2.8	<10	<2	1.57	17.08	8.59	26.3	189	8.2	5.6
540934	Soil	0.25	15.2	0.2	<0.05	<0.1	0.65	1.6	<0.02	<1	<0.1	4.5	<10	<2	0.88	19.87	7.60	28.8	274	10.7	8.3
540935	Soil	0.33	8.8	0.3	<0.05	0.1	2.54	5.1	<0.02	<1	0.2	14.3	<10	<2	1.11	121.3	14.16	33.7	380	23.5	14.0
540936	Soil	0.37	17.7	0.2	<0.05	0.1	1.86	3.5	<0.02	<1	0.2	6.7	<10	<2	1.10	42.14	6.59	18.8	304	10.1	7.6
540937	Soil	0.10	5.2	0.1	<0.05	0.4	1.58	1.5	<0.02	<1	<0.1	1.0	12	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540938	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.37	76.32	2.44	34.5	255	24.0	12.7
540939	Soil	0.09	4.8	1.3	<0.05	0.8	0.51	1.1	<0.02	3	<0.1	0.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540940	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.48	29.50	3.89	18.8	853	7.7	16.0
540941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.73	42.07	5.91	11.6	545	4.9	17.8
540942	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.40	5.03	4.93	51.7	487	2.0	1.2
540943	Soil	0.24	10.1	0.8	<0.05	0.3	2.26	5.0	<0.02	1	0.1	2.5	<10	<2	1.72	24.74	5.10	13.8	488	5.0	5.3
540944	Soil	0.21	8.8	0.6	<0.05	0.2	0.55	1.6	<0.02	<1	<0.1	4.1	<10	<2	1.71	22.33	10.76	24.3	398	6.3	5.7
540945	Soil	0.39	11.5	0.5	<0.05	0.2	1.33	4.0	<0.02	<1	<0.1	3.3	<10	<2	1.88	53.69	10.69	28.3	421	7.6	13.4
540946	Soil	0.11	14.3	0.4	<0.05	<0.1	0.76	3.7	<0.02	<1	<0.1	2.0	<10	<2	0.66	14.88	8.85	41.0	782	3.9	7.1

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 5 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
1115047	Soil	369	0.12	0.6	<0.1	<0.2	<0.1	67.5	0.66	0.06	0.07	3	0.93	0.101	<0.5	3.4	0.06	99.1	0.004	<20	0.08
1115048	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115049	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115050	Soil	1665	0.12	0.3	<0.1	0.7	<0.1	28.8	0.17	0.08	0.10	2	0.52	0.132	<0.5	6.8	0.06	74.9	0.004	<20	0.10
540921	Soil	386	0.31	0.9	<0.1	<0.2	<0.1	19.2	0.15	0.17	0.07	8	0.57	0.118	0.8	5.9	0.13	234.0	0.010	<20	0.19
540922	Soil	225	0.35	0.7	<0.1	0.2	<0.1	21.0	0.11	0.14	0.10	10	0.36	0.111	1.5	8.7	0.14	215.0	0.006	<20	0.33
540923	Soil	1511	0.57	0.5	0.2	0.3	<0.1	69.9	1.13	0.25	0.05	13	2.51	0.155	1.2	11.5	0.24	130.6	0.007	<20	0.35
540924	Soil	1313	1.25	1.4	0.3	1.5	<0.1	67.3	0.65	0.21	0.07	35	2.26	0.139	2.0	25.5	0.52	116.3	0.018	<20	0.83
540925	Soil	645	1.57	0.9	0.1	0.8	<0.1	60.4	0.25	0.15	0.10	48	1.12	0.082	1.8	28.5	0.61	101.1	0.036	<20	0.97
540926	Soil	2482	0.27	0.7	<0.1	0.6	<0.1	55.0	0.59	0.17	0.08	7	1.54	0.141	1.1	5.9	0.16	186.6	0.005	<20	0.26
540927	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540928	Soil	416	0.23	0.2	<0.1	<0.2	<0.1	18.9	0.16	0.08	0.08	7	0.31	0.143	0.8	8.1	0.14	133.8	0.003	<20	0.27
540929	Soil	2983	0.99	0.8	<0.1	<0.2	<0.1	41.5	0.70	0.15	0.09	30	1.13	0.135	1.3	22.2	0.50	243.5	0.011	<20	0.65
540930	Soil	252	0.33	0.8	<0.1	<0.2	<0.1	25.3	0.22	0.11	0.06	10	0.79	0.110	0.6	8.7	0.20	151.6	0.011	<20	0.23
540931	Soil	2555	1.18	0.5	<0.1	1.1	<0.1	37.9	0.26	0.14	0.09	41	1.32	0.110	0.7	22.2	0.49	396.7	0.027	<20	0.61
540932	Soil	1439	0.85	0.8	<0.1	<0.2	<0.1	25.0	0.49	0.12	0.09	29	1.31	0.123	0.7	20.3	0.39	176.1	0.015	<20	0.43
540933	Soil	742	0.96	0.7	<0.1	0.2	<0.1	21.4	0.22	0.10	0.07	27	0.72	0.067	0.6	15.7	0.48	164.5	0.038	<20	0.58
540934	Soil	1235	1.43	1.4	<0.1	<0.2	<0.1	24.3	0.51	0.11	0.05	47	0.72	0.075	0.6	22.9	0.70	227.6	0.052	<20	0.80
540935	Soil	2361	2.19	1.0	0.3	1.1	0.1	44.1	0.77	0.16	0.13	87	1.59	0.062	2.1	63.4	1.20	87.6	0.063	<20	1.46
540936	Soil	1167	1.60	0.6	0.2	0.5	<0.1	48.6	0.76	0.12	0.11	53	1.71	0.105	1.4	38.4	0.48	67.3	0.023	<20	0.70
540937	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540938	Soil	1633	2.47	0.7	0.6	3.9	<0.1	108.7	0.35	0.18	0.11	86	2.42	0.147	0.9	97.3	1.01	185.9	0.053	<20	1.00
540939	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540940	Soil	1446	1.03	0.8	0.2	<0.2	<0.1	45.4	0.65	0.24	0.07	18	1.09	0.152	2.9	13.2	0.17	237.7	0.003	<20	0.47
540941	Soil	1459	0.50	0.6	<0.1	<0.2	<0.1	73.2	0.52	0.19	0.05	14	2.80	0.118	1.1	11.2	0.14	286.5	0.003	<20	0.30
540942	Soil	2551	0.15	0.3	<0.1	0.8	<0.1	14.8	0.12	0.11	0.05	4	0.56	0.110	<0.5	4.5	0.08	76.3	0.003	<20	0.09
540943	Soil	155	0.78	0.8	0.1	2.2	<0.1	50.7	0.27	0.24	0.22	21	1.25	0.141	2.4	9.6	0.19	77.6	0.013	<20	0.41
540944	Soil	1095	1.05	0.5	<0.1	1.0	<0.1	45.7	0.55	0.19	0.15	40	1.71	0.139	0.8	19.5	0.33	125.9	0.027	<20	0.42
540945	Soil	583	0.88	0.7	<0.1	1.4	<0.1	40.7	0.54	0.18	0.15	30	0.85	0.162	1.7	10.6	0.28	80.2	0.018	<20	0.45
540946	Soil	2011	1.63	0.6	<0.1	1.9	<0.1	45.6	0.24	0.18	0.15	54	0.48	0.168	1.7	15.8	0.22	298.7	0.033	<20	0.46

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 5 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
1115047	Soil			0.006	0.09	<0.1	0.3	0.03	0.14	220	0.2	<0.02	0.3	0.58	<0.1	<0.02	0.04	10.0	0.1	<0.05	0.1	0.45	0.7
1115048	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115049	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115050	Soil			0.008	0.12	<0.1	0.2	0.04	0.12	156	0.2	<0.02	0.3	0.23	<0.1	<0.02	0.05	8.7	<0.1	<0.05	<0.1	0.29	0.8
540921	Soil			0.005	0.08	<0.1	0.3	0.11	0.14	303	0.3	<0.02	0.8	1.61	<0.1	<0.02	0.11	10.8	0.2	<0.05	<0.1	0.36	1.2
540922	Soil			0.007	0.06	<0.1	0.2	0.07	0.12	211	0.3	<0.02	1.2	0.70	<0.1	<0.02	0.14	6.4	0.2	<0.05	<0.1	0.50	2.9
540923	Soil			0.007	0.11	<0.1	0.6	0.07	0.31	93	1.5	<0.02	1.0	2.69	<0.1	<0.02	0.15	9.8	<0.1	<0.05	0.3	1.59	1.9
540924	Soil			0.008	0.12	<0.1	1.4	0.06	0.23	103	1.8	<0.02	2.2	7.54	<0.1	0.02	0.25	13.9	0.1	<0.05	0.4	3.54	3.7
540925	Soil			0.007	0.08	0.1	1.3	0.04	0.12	101	0.7	<0.02	3.5	6.58	<0.1	<0.02	0.52	17.5	0.3	<0.05	0.2	1.56	3.4
540926	Soil			0.006	0.10	<0.1	0.3	0.17	0.15	233	0.7	<0.02	0.7	1.48	<0.1	<0.02	0.09	7.3	0.1	<0.05	<0.1	1.08	2.7
540927	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540928	Soil			0.006	0.09	<0.1	0.1	0.12	0.12	145	0.3	<0.02	1.0	2.78	<0.1	<0.02	0.09	10.5	0.1	<0.05	<0.1	0.31	1.4
540929	Soil			0.006	0.09	<0.1	0.7	0.22	0.13	312	0.7	<0.02	2.4	4.41	<0.1	<0.02	0.15	16.6	0.2	<0.05	<0.1	1.07	2.9
540930	Soil			0.005	0.08	<0.1	0.5	0.04	0.15	138	0.2	<0.02	0.9	1.76	<0.1	<0.02	0.15	9.1	0.1	<0.05	<0.1	0.29	1.0
540931	Soil			0.006	0.11	0.1	0.7	0.10	0.11	197	0.5	0.02	2.6	4.40	<0.1	<0.02	0.16	11.7	0.2	<0.05	<0.1	0.59	1.6
540932	Soil			0.005	0.11	<0.1	0.7	0.11	0.16	213	0.5	<0.02	1.6	3.91	<0.1	<0.02	0.13	10.8	0.2	<0.05	<0.1	0.69	1.4
540933	Soil			0.005	0.07	<0.1	0.6	0.05	0.11	110	0.4	<0.02	1.7	3.91	<0.1	<0.02	0.17	11.1	0.2	<0.05	0.1	0.53	1.1
540934	Soil			0.004	0.07	0.1	0.9	0.04	0.10	128	0.1	<0.02	2.6	4.17	<0.1	<0.02	0.16	12.7	0.1	<0.05	<0.1	0.55	1.1
540935	Soil			0.005	0.06	0.1	2.9	0.04	0.08	106	0.6	0.02	5.0	5.90	<0.1	<0.02	0.23	8.1	0.2	<0.05	0.1	2.33	4.2
540936	Soil			0.005	0.08	<0.1	1.1	0.04	0.16	104	0.8	<0.02	2.8	10.88	<0.1	<0.02	0.27	15.3	0.2	<0.05	0.1	1.67	2.8
540937	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540938	Soil			0.012	0.29	0.1	1.2	0.12	0.31	79	4.0	0.02	3.7	5.25	0.1	<0.02	0.10	18.7	<0.1	<0.05	<0.1	2.00	1.4
540939	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540940	Soil			0.008	0.08	<0.1	0.6	0.05	0.14	241	0.6	0.03	1.0	2.88	<0.1	<0.02	0.07	10.3	<0.1	<0.05	<0.1	4.39	5.3
540941	Soil			0.007	0.08	0.1	0.3	0.05	0.21	127	0.8	<0.02	0.7	1.67	<0.1	<0.02	0.06	5.1	<0.1	<0.05	<0.1	1.77	2.3
540942	Soil			0.007	0.10	<0.1	0.2	0.25	0.12	290	0.5	<0.02	0.4	0.90	<0.1	<0.02	0.03	6.0	0.1	<0.05	<0.1	0.18	0.6
540943	Soil			0.004	0.06	0.3	0.7	0.05	0.18	177	0.7	<0.02	1.3	6.13	<0.1	<0.02	0.22	10.3	0.2	<0.05	<0.1	2.30	5.0
540944	Soil			0.005	0.09	0.2	0.9	0.14	0.13	197	0.2	<0.02	1.8	5.70	<0.1	<0.02	0.21	8.5	0.2	<0.05	<0.1	0.53	1.4
540945	Soil			0.005	0.09	0.2	0.5	0.06	0.12	133	0.3	<0.02	1.7	7.26	<0.1	<0.02	0.36	10.5	0.3	<0.05	<0.1	1.40	3.4
540946	Soil			0.006	0.10	<0.1	0.6	0.09	0.07	140	<0.1	0.02	2.7	4.80	<0.1	<0.02	0.12	13.6	0.3	<0.05	<0.1	0.89	3.5

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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 5 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
				ppm	ppb	ppm	ppm	ppb	ppb
				0.02	1	0.1	0.1	10	2
1115047	Soil			<0.02	3	<0.1	<0.1	<10	<2
1115048	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115049	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115050	Soil			<0.02	<1	<0.1	<0.1	<10	<2
540921	Soil			<0.02	<1	<0.1	0.7	<10	2
540922	Soil			<0.02	1	0.3	1.0	<10	<2
540923	Soil			<0.02	<1	0.2	2.4	<10	<2
540924	Soil			<0.02	<1	0.5	5.9	<10	<2
540925	Soil			<0.02	<1	<0.1	10.8	<10	<2
540926	Soil			<0.02	<1	0.2	1.2	<10	<2
540927	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540928	Soil			<0.02	<1	<0.1	0.5	<10	<2
540929	Soil			<0.02	<1	<0.1	4.6	<10	<2
540930	Soil			<0.02	<1	0.1	0.8	<10	<2
540931	Soil			<0.02	<1	0.1	3.2	<10	<2
540932	Soil			<0.02	7	0.1	3.4	<10	<2
540933	Soil			<0.02	<1	<0.1	2.1	<10	<2
540934	Soil			<0.02	<1	<0.1	3.8	<10	<2
540935	Soil			<0.02	<1	0.2	11.4	<10	<2
540936	Soil			<0.02	2	0.2	6.5	<10	<2
540937	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540938	Soil			<0.02	1	<0.1	9.8	14	<2
540939	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540940	Soil			<0.02	<1	0.1	1.0	<10	<2
540941	Soil			<0.02	4	<0.1	0.9	11	<2
540942	Soil			<0.02	1	<0.1	0.2	<10	<2
540943	Soil			<0.02	<1	0.1	2.7	<10	<2
540944	Soil			<0.02	<1	<0.1	4.2	<10	<2
540945	Soil			<0.02	2	<0.1	3.8	<10	<2
540946	Soil			<0.02	<1	<0.1	2.5	<10	6



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 6 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
540947	Soil			0.39	7.99	6.39	270.7	56	3.0	2.5	>10000	0.15	0.1	<0.1	<0.2	<0.1	30.8	0.18	0.10	0.18	4	1.45	0.165
540948	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540950	Soil			1.35	14.38	9.38	25.8	303	4.9	6.2	228	0.65	0.5	<0.1	0.2	<0.1	34.9	0.72	0.13	0.25	20	0.67	0.110
541951	Soil			0.60	7.14	7.32	51.5	622	3.3	3.2	1384	0.67	<0.1	<0.1	<0.2	<0.1	32.3	0.34	0.10	0.13	25	0.85	0.142
541952	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541953	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541954	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541955	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541956	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541957	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115067	Soil			0.77	22.32	8.52	50.0	811	9.9	11.5	443	2.74	3.7	<0.1	160.6	<0.1	6.7	0.12	0.43	0.19	105	0.20	0.089
1115068	Soil			3.06	151.5	7.07	88.8	351	34.5	23.6	2276	2.97	3.9	0.3	1.2	0.2	26.5	1.00	0.17	0.21	79	1.15	0.057
1115069	Soil			2.67	34.13	11.32	46.7	847	21.7	16.8	2088	2.40	3.6	<0.1	0.6	0.1	22.8	0.50	0.18	0.14	85	0.67	0.066
1115070	Soil			2.34	23.69	7.53	41.1	279	29.8	16.6	343	3.05	2.8	0.1	2.9	0.2	11.2	0.13	0.12	0.10	128	0.27	0.051
1115071	Soil			1.80	31.74	5.98	33.7	307	14.3	10.9	461	2.05	3.0	<0.1	0.8	0.1	19.4	0.26	0.16	0.10	77	0.67	0.068
1115072	Soil			0.97	10.67	6.06	24.3	280	8.2	6.5	186	1.60	2.3	<0.1	2.5	<0.1	25.4	0.18	0.15	0.14	54	0.74	0.078
1115073	Soil			1.00	177.7	3.55	66.5	694	25.2	19.7	837	3.88	3.3	0.7	3.8	0.2	44.5	0.37	0.15	0.10	134	1.45	0.149
1115074	Soil			0.43	14.64	7.26	31.7	620	6.6	6.0	230	1.92	3.0	<0.1	3.0	<0.1	32.0	0.19	0.19	0.23	73	0.33	0.054
1115075	Soil			0.31	12.88	6.28	21.7	200	6.8	5.4	526	1.37	3.1	<0.1	4.6	<0.1	38.8	0.22	0.15	0.20	52	0.34	0.044
1115076	Soil			0.21	15.12	8.01	25.9	421	5.2	4.0	130	1.18	3.1	<0.1	1.5	<0.1	32.3	0.18	0.14	0.33	48	0.24	0.043
1115077	Soil			0.52	19.33	5.68	49.7	196	8.9	17.5	3478	2.91	2.5	<0.1	2.0	<0.1	39.0	0.30	0.18	0.47	103	0.33	0.051
1115078	Soil			0.51	12.05	5.74	21.9	224	6.4	8.3	136	2.29	2.7	<0.1	16.7	<0.1	41.3	0.11	0.18	0.35	84	0.39	0.041
1115079	Soil			1.30	133.4	3.96	44.5	1655	23.1	17.8	758	3.37	2.8	0.4	2.2	0.1	74.7	0.46	0.17	0.30	143	1.71	0.107
1115080	Soil			1.44	163.3	6.15	33.6	1033	26.4	14.7	1024	2.23	1.0	0.5	4.2	<0.1	82.7	0.86	0.36	0.14	90	2.51	0.138
1115081	Soil			0.25	23.66	6.78	163.3	409	9.0	13.1	>10000	2.68	1.1	<0.1	13.6	<0.1	42.9	0.26	0.17	0.22	99	0.57	0.055
1115082	Soil			0.32	35.51	5.31	12.5	581	5.7	3.5	98	1.13	3.1	0.1	2.5	<0.1	30.1	0.26	0.08	0.22	34	0.25	0.126
1115083	Soil			0.54	41.32	4.19	23.9	720	10.4	10.5	846	1.89	1.6	0.1	1.5	<0.1	69.6	0.82	0.18	0.22	62	1.71	0.095
1115084	Soil			0.29	13.68	6.76	18.4	958	4.8	3.9	171	0.91	0.3	<0.1	10.5	<0.1	35.4	0.33	0.14	0.58	35	0.21	0.045
1115085	Soil			0.24	7.52	7.91	19.2	698	3.0	2.5	176	0.65	0.6	<0.1	6.4	<0.1	38.5	0.19	0.14	0.29	32	0.27	0.034
1115087	Soil			0.21	12.51	5.82	16.8	349	9.1	5.1	96	0.74	0.3	<0.1	4.0	<0.1	33.8	0.27	0.08	0.59	23	0.23	0.068

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 6 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
540947	Soil	<0.5	4.3	0.09	348.7	0.006	4	0.11	0.005	0.12	<0.1	0.6	0.62	0.12	244	0.3	0.02	0.4	5.29	<0.1	<0.02
540948	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540950	Soil	1.0	9.6	0.21	157.4	0.021	1	0.33	0.006	0.08	0.1	0.6	0.08	0.12	166	0.3	<0.02	1.3	7.61	<0.1	<0.02
541951	Soil	0.6	5.8	0.22	155.8	0.017	2	0.22	0.007	0.11	<0.1	0.7	0.11	0.13	170	0.4	<0.02	1.1	4.19	<0.1	<0.02
541952	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541954	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541955	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541956	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541957	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115067	Soil	2.4	40.2	0.89	93.5	0.049	<1	1.16	0.004	0.08	0.1	3.7	0.11	0.07	113	0.2	0.09	6.6	3.84	<0.1	<0.02
1115068	Soil	4.2	68.9	1.34	58.2	0.073	1	2.44	0.006	0.06	<0.1	3.9	0.11	0.05	70	0.5	0.02	5.3	27.16	<0.1	<0.02
1115069	Soil	2.0	55.4	1.21	101.8	0.093	1	1.59	0.006	0.07	0.1	3.1	0.16	0.06	130	0.2	0.05	5.5	10.94	<0.1	<0.02
1115070	Soil	1.7	108.0	1.69	70.0	0.107	<1	1.93	0.003	0.05	0.1	6.8	0.04	0.05	101	0.2	0.03	7.3	5.39	<0.1	<0.02
1115071	Soil	0.9	52.0	0.77	191.0	0.088	<1	1.03	0.006	0.06	0.3	2.3	0.06	0.09	250	0.2	<0.02	4.1	8.20	<0.1	<0.02
1115072	Soil	1.2	38.8	0.41	111.4	0.048	<1	0.56	0.005	0.06	0.2	1.2	0.04	0.09	162	0.1	0.04	3.1	3.86	<0.1	<0.02
1115073	Soil	4.1	108.7	1.71	156.1	0.078	<1	2.38	0.001	0.17	0.2	6.7	0.12	0.11	41	1.0	0.02	6.4	29.32	<0.1	<0.02
1115074	Soil	2.0	32.7	0.36	132.6	0.084	<1	0.67	0.002	0.04	0.1	1.5	0.03	0.03	45	0.1	<0.02	3.7	1.97	<0.1	<0.02
1115075	Soil	2.3	27.6	0.24	171.5	0.071	<1	0.54	0.003	0.04	0.1	1.0	0.04	0.03	39	<0.1	<0.02	3.3	1.69	<0.1	<0.02
1115076	Soil	3.0	21.9	0.20	150.5	0.025	<1	0.63	0.004	0.03	<0.1	0.5	0.03	0.02	33	<0.1	<0.02	3.3	1.20	<0.1	<0.02
1115077	Soil	2.7	30.5	0.62	304.4	0.084	<1	0.94	0.002	0.04	0.2	2.6	0.14	0.03	51	0.1	0.09	4.5	3.59	<0.1	<0.02
1115078	Soil	2.6	24.4	0.57	106.4	0.080	<1	0.86	0.002	0.04	0.1	2.2	<0.02	0.03	36	0.2	0.04	4.2	1.44	<0.1	<0.02
1115079	Soil	3.2	113.3	1.17	164.0	0.051	1	1.71	0.002	0.06	0.2	4.0	0.05	0.11	81	0.7	0.05	5.9	9.73	<0.1	<0.02
1115080	Soil	2.1	104.7	1.00	184.4	0.045	2	1.18	0.004	0.07	0.2	2.6	0.16	0.21	113	2.1	0.03	4.2	5.78	<0.1	<0.02
1115081	Soil	2.3	25.3	0.48	714.3	0.064	<1	0.85	0.002	0.04	<0.1	1.6	0.68	0.04	88	<0.1	0.02	4.5	3.56	<0.1	<0.02
1115082	Soil	4.5	19.7	0.21	148.9	0.003	<1	0.93	0.005	0.03	<0.1	0.2	0.03	0.06	91	<0.1	0.02	3.4	1.35	<0.1	<0.02
1115083	Soil	3.0	26.1	0.56	75.4	0.018	<1	1.00	0.004	0.04	0.2	1.2	0.03	0.10	62	0.2	0.03	3.4	1.10	<0.1	<0.02
1115084	Soil	3.3	13.4	0.15	164.9	0.033	<1	0.56	0.003	0.02	<0.1	0.5	0.05	0.02	44	0.2	<0.02	3.7	0.95	<0.1	<0.02
1115085	Soil	2.5	9.8	0.10	153.8	0.052	<1	0.32	0.004	0.02	<0.1	0.8	0.03	0.03	45	0.1	<0.02	2.5	0.88	<0.1	<0.02
1115087	Soil	2.8	21.2	0.20	162.9	0.007	<1	0.54	0.004	0.04	<0.1	0.2	0.04	0.04	48	0.2	<0.02	3.2	0.79	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 6 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
540947	Soil	0.04	16.7	0.2	<0.05	<0.1	0.19	0.7	<0.02	<1	<0.1	0.4	<10	<2	0.67	8.47	6.55	261.5	55	3.2	2.4
540948	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.65	10.53	12.24	43.3	85	4.3	5.2
540950	Soil	0.19	11.2	0.4	<0.05	<0.1	0.45	1.8	<0.02	1	<0.1	2.3	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541951	Soil	0.09	13.5	0.3	<0.05	<0.1	0.28	1.1	<0.02	<1	<0.1	1.6	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541952	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.06	12.93	11.36	55.6	141	7.2	3.4
541953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.83	7.83	6.64	57.1	243	2.0	2.8
541954	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.49	6.31	6.62	26.1	255	2.6	2.3
541955	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.66	5.83	5.66	31.3	183	4.6	1.8
541956	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.83	6.54	11.44	50.6	314	2.7	2.2
541957	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.67	8.68	9.21	53.0	883	4.5	6.2
1115067	Soil	0.46	7.8	0.3	<0.05	<0.1	0.55	4.9	<0.02	<1	<0.1	13.8	<10	<2	0.83	21.30	8.68	49.7	826	9.6	9.9
1115068	Soil	0.98	10.2	0.4	<0.05	0.1	6.11	7.8	<0.02	<1	0.4	32.6	<10	5	2.88	149.6	6.99	84.9	321	32.4	21.7
1115069	Soil	0.55	9.3	0.3	<0.05	<0.1	2.50	4.6	<0.02	<1	0.1	13.0	<10	<2	2.59	35.25	12.41	44.9	897	20.6	16.8
1115070	Soil	0.54	7.5	0.3	<0.05	<0.1	1.76	4.0	<0.02	<1	0.1	14.9	<10	<2	2.26	24.88	7.49	41.0	261	29.6	16.5
1115071	Soil	0.51	9.1	0.2	<0.05	0.2	0.85	2.0	<0.02	<1	<0.1	9.9	<10	<2	1.72	32.64	6.10	31.8	320	13.5	9.9
1115072	Soil	0.49	5.7	0.2	<0.05	0.2	0.76	2.6	<0.02	<1	<0.1	3.9	<10	<2	1.01	10.66	6.12	23.9	253	7.6	6.2
1115073	Soil	0.48	27.7	0.1	<0.05	0.2	9.20	5.9	<0.02	<1	0.4	21.3	<10	2	0.98	178.5	3.58	63.4	634	23.9	17.4
1115074	Soil	0.30	6.1	0.3	<0.05	0.1	1.47	4.4	<0.02	<1	<0.1	4.3	<10	3	0.38	15.56	8.03	31.8	593	6.7	6.0
1115075	Soil	0.27	8.5	0.3	<0.05	<0.1	1.65	4.9	<0.02	<1	<0.1	2.3	<10	<2	0.28	12.51	6.70	21.5	198	6.7	5.0
1115076	Soil	0.15	3.8	0.3	<0.05	<0.1	1.52	6.3	<0.02	<1	<0.1	2.2	<10	3	0.20	15.78	8.56	26.8	406	4.8	3.9
1115077	Soil	0.24	11.0	0.3	<0.05	<0.1	2.27	6.0	<0.02	<1	<0.1	6.2	<10	<2	0.56	20.71	6.23	49.9	189	9.6	17.8
1115078	Soil	0.32	3.7	0.3	<0.05	<0.1	1.90	5.4	<0.02	2	<0.1	5.6	<10	<2	0.54	13.33	6.21	22.2	233	6.4	8.5
1115079	Soil	0.51	12.1	0.2	<0.05	0.3	4.71	5.3	<0.02	<1	0.2	18.1	<10	<2	1.20	133.3	3.78	43.0	1455	22.6	16.3
1115080	Soil	0.29	8.4	0.2	<0.05	0.3	3.35	3.4	<0.02	2	0.2	10.1	<10	<2	1.31	157.4	5.80	29.5	866	23.5	12.3
1115081	Soil	0.20	17.0	0.2	<0.05	<0.1	1.59	5.0	<0.02	<1	<0.1	4.6	<10	2	0.57	23.81	6.50	157.8	378	8.8	12.4
1115082	Soil	0.10	7.8	0.2	<0.05	<0.1	3.39	8.8	<0.02	<1	0.3	2.6	<10	<2	0.28	35.80	5.51	11.7	586	5.6	3.4
1115083	Soil	0.39	6.2	0.2	<0.05	0.4	2.47	5.8	<0.02	<1	0.2	6.6	<10	<2	0.59	43.38	4.43	26.4	675	11.1	10.8
1115084	Soil	0.17	4.4	0.3	<0.05	<0.1	1.68	6.5	0.03	<1	<0.1	1.4	<10	<2	0.20	13.99	6.45	15.1	947	5.4	4.0
1115085	Soil	0.15	2.9	0.3	<0.05	<0.1	1.31	4.7	<0.02	<1	<0.1	0.8	<10	<2	0.18	6.81	7.00	17.9	650	3.0	2.6
1115087	Soil	0.19	4.2	0.4	<0.05	<0.1	1.52	5.1	<0.02	<1	0.1	1.5	<10	2	0.23	12.13	5.44	16.0	328	8.9	5.0

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 6 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method Analyte	Unit	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
MDL		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
540947	Soil	9786	0.13	0.3	<0.1	0.7	<0.1	35.6	0.21	0.08	0.07	2	1.47	0.178	<0.5	3.8	0.09	356.2	0.004	<20	0.11
540948	Soil	235	0.98	0.5	<0.1	2.1	<0.1	26.9	0.40	0.11	0.16	32	0.40	0.103	0.7	14.2	0.12	389.9	0.039	<20	0.20
540950	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541952	Soil	1857	0.25	0.6	<0.1	<0.2	<0.1	17.5	0.19	0.13	0.09	6	0.51	0.189	0.8	11.9	0.11	174.4	0.007	<20	0.15
541953	Soil	1335	0.21	0.2	<0.1	<0.2	<0.1	40.4	0.23	0.12	0.06	6	0.85	0.157	<0.5	3.3	0.08	165.6	0.006	<20	0.09
541954	Soil	433	0.71	0.5	<0.1	1.7	<0.1	27.2	0.12	0.13	0.10	25	0.32	0.109	0.9	6.8	0.13	96.9	0.020	<20	0.24
541955	Soil	766	0.26	0.4	<0.1	<0.2	<0.1	14.8	0.11	0.15	0.06	9	0.45	0.148	0.6	7.7	0.17	126.9	0.010	<20	0.17
541956	Soil	4505	0.27	0.3	<0.1	0.6	<0.1	12.3	0.16	0.13	0.07	7	0.35	0.137	0.7	4.7	0.09	184.4	0.004	<20	0.16
541957	Soil	3827	0.80	0.4	<0.1	1.1	<0.1	34.6	0.19	0.16	0.08	33	0.46	0.114	0.9	14.3	0.22	235.7	0.044	<20	0.36
1115067	Soil	478	2.56	1.7	<0.1	62.7	<0.1	8.3	0.13	0.34	0.15	102	0.20	0.102	2.0	36.7	0.83	105.2	0.046	<20	1.09
1115068	Soil	2133	2.84	0.8	0.3	<0.2	<0.1	29.1	1.01	0.12	0.21	77	1.11	0.057	4.2	61.3	1.29	61.3	0.078	<20	2.35
1115069	Soil	2284	2.36	1.0	0.1	0.8	<0.1	28.0	0.55	0.16	0.16	85	0.72	0.077	2.2	50.3	1.18	119.0	0.098	<20	1.55
1115070	Soil	354	3.05	0.5	0.1	0.6	<0.1	13.2	0.10	0.10	0.10	129	0.27	0.058	1.9	106.2	1.70	74.3	0.119	<20	1.85
1115071	Soil	451	1.91	0.6	<0.1	<0.2	<0.1	22.3	0.28	0.15	0.16	71	0.68	0.075	0.8	44.3	0.68	215.4	0.086	<20	0.90
1115072	Soil	178	1.48	0.8	<0.1	1.2	<0.1	29.2	0.20	0.14	0.15	52	0.73	0.083	1.2	34.5	0.40	118.7	0.052	<20	0.53
1115073	Soil	818	3.70	1.0	0.7	2.2	0.1	50.0	0.41	0.13	0.10	127	1.36	0.162	4.1	98.9	1.64	164.9	0.090	<20	2.28
1115074	Soil	244	1.76	0.6	<0.1	<0.2	<0.1	40.2	0.18	0.17	0.27	70	0.35	0.066	2.1	29.7	0.36	154.4	0.093	<20	0.63
1115075	Soil	531	1.23	0.2	<0.1	1.0	<0.1	45.0	0.24	0.13	0.24	49	0.34	0.046	2.2	24.5	0.24	187.9	0.068	<20	0.49
1115076	Soil	141	1.13	0.4	<0.1	2.5	<0.1	39.7	0.19	0.12	0.37	48	0.26	0.045	3.2	20.4	0.20	167.1	0.027	<20	0.63
1115077	Soil	3615	2.85	0.9	<0.1	2.5	<0.1	51.4	0.34	0.16	0.55	102	0.38	0.062	2.9	29.0	0.64	349.0	0.096	<20	0.96
1115078	Soil	159	2.20	0.6	<0.1	15.7	<0.1	56.0	0.14	0.18	0.42	83	0.44	0.050	3.0	23.8	0.59	124.2	0.097	<20	0.86
1115079	Soil	755	3.32	1.1	0.4	1.2	0.1	79.7	0.46	0.16	0.31	144	1.63	0.110	3.1	98.4	1.16	170.9	0.061	<20	1.67
1115080	Soil	959	1.95	0.4	0.5	5.2	<0.1	85.0	0.81	0.35	0.14	80	2.35	0.133	2.0	87.2	0.89	182.0	0.044	<20	1.07
1115081	Soil	>10000	2.38	0.4	<0.1	0.9	<0.1	48.4	0.24	0.12	0.24	89	0.55	0.059	2.3	20.2	0.49	671.2	0.072	<20	0.83
1115082	Soil	104	1.07	0.6	0.2	23.2	<0.1	38.5	0.26	0.08	0.25	36	0.27	0.112	4.7	17.0	0.22	157.0	0.004	<20	0.95
1115083	Soil	863	1.99	1.0	0.2	0.4	<0.1	85.6	0.96	0.19	0.25	67	1.77	0.112	3.4	26.0	0.62	84.6	0.029	<20	1.10
1115084	Soil	195	0.85	0.4	<0.1	1.7	<0.1	44.6	0.35	0.10	0.51	36	0.24	0.047	3.3	13.3	0.15	175.9	0.039	<20	0.64
1115085	Soil	173	0.66	0.3	<0.1	25.6	<0.1	50.8	0.16	0.11	0.23	34	0.33	0.036	2.5	10.1	0.10	145.4	0.061	<20	0.36
1115087	Soil	100	0.71	0.5	<0.1	<0.2	<0.1	42.8	0.19	0.06	0.60	23	0.26	0.065	2.5	20.5	0.19	166.7	0.014	<20	0.59

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 6 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	
Unit	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.02	0.05	0.1	0.01	0.1	
540947	Soil	0.005	0.12	<0.1	0.2	0.60	0.12	227	0.1	<0.02	0.4	4.93	<0.1	<0.02	0.03	17.2	0.1	<0.05	<0.1	0.21	0.6
540948	Soil	0.007	0.08	0.1	0.5	0.03	0.10	114	0.1	<0.02	1.1	4.85	<0.1	<0.02	0.11	10.0	0.2	<0.05	0.1	0.69	1.3
540950	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541952	Soil	0.004	0.15	<0.1	0.3	0.28	0.11	154	<0.1	<0.02	0.4	5.66	<0.1	<0.02	0.08	20.0	0.2	<0.05	<0.1	0.52	1.4
541953	Soil	0.005	0.12	<0.1	0.4	0.09	0.13	152	0.1	<0.02	0.3	4.07	<0.1	<0.02	0.04	12.3	0.1	<0.05	<0.1	0.22	0.6
541954	Soil	0.004	0.08	0.1	0.4	0.13	0.08	151	0.1	<0.02	1.1	1.93	<0.1	<0.02	0.09	9.3	0.2	<0.05	<0.1	0.62	1.6
541955	Soil	0.004	0.12	<0.1	0.6	0.14	0.10	318	0.2	<0.02	0.7	3.99	<0.1	<0.02	0.08	12.3	0.1	<0.05	<0.1	0.21	1.0
541956	Soil	0.005	0.11	<0.1	0.2	0.57	0.10	290	<0.1	<0.02	0.6	1.48	<0.1	<0.02	0.03	11.4	0.2	<0.05	<0.1	0.26	1.3
541957	Soil	0.007	0.10	0.2	0.5	0.20	0.08	179	0.2	<0.02	2.4	2.15	<0.1	<0.02	0.15	14.7	0.2	<0.05	<0.1	0.74	1.8
1115067	Soil	0.006	0.08	0.1	2.9	0.09	0.07	136	0.3	0.03	6.1	3.40	<0.1	<0.02	0.51	7.9	0.3	<0.05	<0.1	0.51	4.1
1115068	Soil	0.011	0.06	<0.1	2.9	0.09	0.05	59	0.6	<0.02	4.9	26.14	<0.1	<0.02	0.65	9.6	0.3	<0.05	<0.1	5.82	7.4
1115069	Soil	0.010	0.07	<0.1	2.1	0.16	0.07	112	0.3	<0.02	5.2	10.96	<0.1	<0.02	0.45	9.4	0.3	<0.05	<0.1	2.72	4.6
1115070	Soil	0.008	0.05	0.1	5.9	<0.02	0.05	92	0.1	<0.02	7.7	5.39	<0.1	<0.02	0.46	7.6	0.3	<0.05	<0.1	1.82	3.9
1115071	Soil	0.008	0.05	0.2	1.4	<0.02	0.09	223	<0.1	<0.02	3.9	7.86	<0.1	<0.02	0.44	9.2	0.2	<0.05	0.1	0.77	1.6
1115072	Soil	0.007	0.06	0.2	0.9	0.04	0.09	158	0.1	<0.02	3.1	3.72	<0.1	<0.02	0.48	5.5	0.2	<0.05	0.2	0.82	2.2
1115073	Soil	0.007	0.17	0.1	4.7	0.10	0.10	35	1.1	0.04	6.2	27.28	<0.1	<0.02	0.39	26.6	0.2	<0.05	0.2	9.16	5.6
1115074	Soil	0.005	0.04	0.1	0.8	0.02	0.03	42	0.2	0.02	3.7	2.04	<0.1	<0.02	0.30	6.3	0.3	<0.05	<0.1	1.54	4.2
1115075	Soil	0.004	0.04	<0.1	0.6	0.03	0.02	16	<0.1	<0.02	3.2	1.57	<0.1	<0.02	0.23	8.0	0.3	<0.05	<0.1	1.55	4.5
1115076	Soil	0.005	0.03	<0.1	0.4	0.03	0.02	27	<0.1	<0.02	3.5	1.18	<0.1	<0.02	0.15	3.8	0.4	<0.05	<0.1	1.51	6.0
1115077	Soil	0.004	0.04	<0.1	2.1	0.14	0.03	48	0.2	0.05	5.1	3.73	<0.1	<0.02	0.19	12.1	0.3	<0.05	<0.1	2.38	6.1
1115078	Soil	0.004	0.04	1.1	2.1	<0.02	0.03	30	0.2	0.04	4.6	1.60	<0.1	<0.02	0.38	4.5	0.4	<0.05	<0.1	2.24	5.9
1115079	Soil	0.007	0.06	0.1	3.1	<0.02	0.10	50	0.7	0.05	5.6	9.11	<0.1	<0.02	0.46	11.7	0.2	<0.05	0.3	4.54	4.9
1115080	Soil	0.007	0.07	0.1	1.6	0.13	0.19	86	2.1	<0.02	3.8	5.02	0.1	<0.02	0.22	7.5	0.1	<0.05	0.2	3.05	2.8
1115081	Soil	0.005	0.04	<0.1	1.1	0.66	0.04	78	0.3	<0.02	4.8	3.24	<0.1	<0.02	0.14	15.7	0.3	<0.05	<0.1	1.51	4.7
1115082	Soil	0.006	0.04	<0.1	0.2	0.02	0.05	73	0.3	<0.02	3.6	1.44	<0.1	<0.02	0.11	7.7	0.3	<0.05	<0.1	3.41	8.6
1115083	Soil	0.006	0.04	0.2	1.2	<0.02	0.09	68	0.2	<0.02	3.7	1.17	<0.1	<0.02	0.41	6.9	0.2	<0.05	<0.1	2.81	5.9
1115084	Soil	0.004	0.03	<0.1	0.4	0.04	0.03	43	<0.1	<0.02	3.6	0.89	<0.1	<0.02	0.18	4.3	0.3	<0.05	<0.1	1.78	6.4
1115085	Soil	0.004	0.02	<0.1	0.7	<0.02	0.02	35	0.1	<0.02	2.5	0.77	<0.1	<0.02	0.17	2.7	0.2	<0.05	<0.1	1.43	5.0
1115087	Soil	0.005	0.04	<0.1	0.3	0.03	0.04	33	0.3	<0.02	3.1	0.76	<0.1	<0.02	0.27	4.2	0.3	<0.05	<0.1	1.59	4.7

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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 6 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F In ppm	1F Re ppb	1F Be ppm	1F Li ppm	1F Pd ppb	1F Pt ppb
				0.02	1	0.1	0.1	10	2
540947	Soil			<0.02	<1	<0.1	0.4	<10	<2
540948	Soil			<0.02	2	<0.1	0.8	<10	<2
540950	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541951	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541952	Soil			<0.02	<1	<0.1	1.0	<10	<2
541953	Soil			<0.02	<1	<0.1	0.4	<10	<2
541954	Soil			<0.02	<1	<0.1	1.0	<10	<2
541955	Soil			<0.02	3	<0.1	1.0	<10	<2
541956	Soil			<0.02	<1	<0.1	0.6	<10	<2
541957	Soil			<0.02	1	0.1	1.0	<10	<2
1115067	Soil			<0.02	<1	0.2	13.1	<10	<2
1115068	Soil			0.02	<1	0.3	31.3	<10	<2
1115069	Soil			<0.02	<1	<0.1	12.4	<10	<2
1115070	Soil			0.02	<1	0.1	14.9	<10	<2
1115071	Soil			<0.02	<1	<0.1	9.6	<10	<2
1115072	Soil			<0.02	<1	<0.1	3.9	<10	<2
1115073	Soil			<0.02	<1	0.3	20.5	<10	<2
1115074	Soil			<0.02	<1	<0.1	4.3	<10	<2
1115075	Soil			<0.02	<1	<0.1	2.4	<10	<2
1115076	Soil			<0.02	<1	0.1	2.4	<10	<2
1115077	Soil			<0.02	<1	0.1	6.8	<10	<2
1115078	Soil			<0.02	<1	<0.1	5.9	<10	<2
1115079	Soil			<0.02	<1	0.2	18.6	<10	2
1115080	Soil			<0.02	<1	0.3	9.1	<10	<2
1115081	Soil			<0.02	<1	<0.1	4.8	<10	<2
1115082	Soil			0.02	<1	0.2	2.6	<10	<2
1115083	Soil			<0.02	1	0.1	7.6	<10	<2
1115084	Soil			<0.02	<1	0.2	1.5	<10	<2
1115085	Soil			<0.02	<1	<0.1	0.8	<10	<2
1115087	Soil			<0.02	1	0.2	1.6	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 7 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1115088	Soil	0.25	12.47	5.11	16.6	1246	10.8	5.1	62	0.82	0.8	<0.1	7.2	<0.1	33.2	0.24	0.08	0.17	22	0.22	0.134
1115089	Soil	0.27	7.67	6.15	18.4	778	6.3	3.7	355	0.68	0.6	<0.1	5.4	<0.1	27.2	0.25	0.12	0.06	27	0.14	0.048
1115090	Soil	0.33	7.64	7.52	14.3	1971	4.2	2.2	44	0.43	0.6	<0.1	7.9	<0.1	36.1	0.19	0.09	0.17	18	0.18	0.060
1115091	Soil	0.41	11.43	7.64	27.8	359	6.4	4.6	840	0.82	0.5	<0.1	3.2	<0.1	34.0	0.32	0.11	0.13	28	0.21	0.049
1115092	Soil	0.28	5.89	6.39	13.2	340	4.5	3.6	94	0.89	0.6	<0.1	16.6	<0.1	32.1	0.05	0.12	0.11	39	0.20	0.030
1115093	Soil	0.42	7.36	10.17	36.0	616	4.5	2.3	351	0.60	0.3	<0.1	1.9	<0.1	42.7	0.18	0.10	0.08	21	0.56	0.039
1115094	Soil	0.48	7.42	6.26	20.0	148	5.1	3.9	350	0.90	0.7	<0.1	21.4	<0.1	38.4	0.19	0.10	0.19	37	0.39	0.036
1115095	Soil	1.67	9.36	5.23	23.7	90	6.1	6.2	973	1.02	0.9	<0.1	7.0	<0.1	47.1	0.12	0.11	0.05	37	0.45	0.032
537901	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537902	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537903	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537904	Soil	5.99	419.9	12.47	19.7	2234	8.8	3.7	3788	0.54	<0.1	0.2	0.4	0.1	121.4	1.20	0.52	<0.02	19	2.76	0.176
537905	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537906	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537907	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537908	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537909	Soil	8.37	92.61	3.47	19.5	407	2.5	1.1	73	0.29	<0.1	<0.1	<0.2	<0.1	55.1	0.60	0.09	<0.02	8	1.07	0.114
537910	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537912	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537913	Soil	0.78	15.90	10.98	77.9	175	5.6	3.4	573	1.06	<0.1	<0.1	2.5	<0.1	28.9	0.38	0.18	<0.02	29	0.33	0.141
537914	Soil	2.96	59.17	4.53	27.1	141	10.6	8.7	160	1.91	1.7	2.9	6.3	0.8	42.4	0.20	0.18	0.05	55	0.49	0.112
537915	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537916	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537918	Soil	1.88	16.09	6.60	48.8	270	4.1	5.1	1294	1.43	1.0	0.1	10.5	<0.1	39.8	0.70	0.20	<0.02	40	0.41	0.069
537919	Soil	8.54	164.7	119.6	23.2	3064	4.0	2.2	1159	0.39	<0.1	9.4	2.0	0.2	228.6	0.82	0.68	0.28	6	1.87	0.131
537920	Soil	3.34	11.20	9.22	59.5	882	2.8	4.5	2730	0.61	<0.1	0.1	4.8	<0.1	64.5	0.58	0.16	0.03	18	0.71	0.117
537921	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537922	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 7 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
1115088	Soil	2.2	26.7	0.25	132.4	0.002	<1	0.66	0.005	0.03	<0.1	0.1	0.03	0.05	68	0.2	<0.02	3.2	2.17	<0.1	<0.02
1115089	Soil	2.5	26.0	0.18	144.3	0.023	<1	0.42	0.004	0.03	<0.1	0.3	0.06	0.03	35	0.2	<0.02	3.4	1.46	<0.1	<0.02
1115090	Soil	1.9	9.3	0.11	106.1	0.005	<1	0.41	0.004	0.03	<0.1	0.1	0.02	0.03	62	0.2	<0.02	2.1	0.76	<0.1	<0.02
1115091	Soil	2.2	18.5	0.25	240.7	0.034	<1	0.53	0.004	0.03	<0.1	0.5	0.08	0.03	67	0.2	<0.02	3.4	1.56	<0.1	<0.02
1115092	Soil	2.3	17.7	0.29	69.4	0.090	<1	0.59	0.004	0.02	0.1	1.4	0.03	<0.02	32	0.2	<0.02	4.6	0.49	<0.1	<0.02
1115093	Soil	2.2	11.0	0.18	252.1	0.033	<1	0.40	0.006	0.03	<0.1	0.4	0.03	0.03	80	0.1	<0.02	2.5	0.96	<0.1	<0.02
1115094	Soil	2.5	11.6	0.36	149.4	0.066	<1	0.61	0.006	0.03	<0.1	0.9	<0.02	0.02	57	0.2	<0.02	4.1	0.81	<0.1	<0.02
1115095	Soil	2.6	13.5	0.29	291.0	0.075	<1	0.55	0.004	0.04	0.1	1.5	0.06	<0.02	39	0.2	<0.02	3.8	1.02	<0.1	<0.02
537901	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537902	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537903	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537904	Soil	5.7	7.8	0.15	212.2	0.007	4	0.37	0.006	0.16	0.2	5.3	0.12	0.16	204	1.0	<0.02	0.7	2.51	0.2	0.03
537905	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537906	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537907	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537908	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537909	Soil	0.7	5.1	0.11	31.3	0.007	1	0.13	0.006	0.08	<0.1	1.2	0.03	0.18	157	0.8	<0.02	0.4	0.75	<0.1	<0.02
537910	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537912	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537913	Soil	2.6	10.6	0.09	417.6	0.004	<1	0.53	0.008	0.07	0.1	0.3	0.05	0.05	84	0.4	<0.02	2.4	0.66	<0.1	<0.02
537914	Soil	7.1	22.8	0.50	114.9	0.031	<1	1.03	0.013	0.07	0.4	2.8	0.08	0.13	68	0.8	0.06	3.0	1.11	<0.1	<0.02
537915	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537916	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537918	Soil	2.9	10.8	0.16	149.6	0.015	2	0.43	0.006	0.05	0.2	0.3	0.06	0.05	148	0.2	0.05	2.9	0.30	<0.1	<0.02
537919	Soil	72.0	4.8	0.08	426.9	0.004	5	0.33	0.008	0.10	0.2	1.4	0.04	0.16	256	0.5	0.04	0.6	2.30	<0.1	<0.02
537920	Soil	2.5	5.8	0.07	410.7	0.006	2	0.23	0.006	0.12	0.1	0.2	0.10	0.10	171	0.2	<0.02	1.2	0.39	<0.1	<0.02
537921	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537922	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 7 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
1115088	Soil	0.05	12.6	0.2	<0.05	<0.1	1.54	4.2	<0.02	<1	0.2	1.9	<10	<2	0.19	11.20	4.44	15.2	1040	10.2	4.8
1115089	Soil	0.24	5.3	0.4	<0.05	<0.1	1.11	4.7	<0.02	<1	<0.1	1.3	<10	<2	0.20	7.09	5.58	16.5	681	5.9	3.6
1115090	Soil	0.07	3.2	0.2	<0.05	<0.1	0.85	3.5	<0.02	<1	0.2	0.8	<10	<2	0.29	7.75	7.30	15.1	2035	4.5	2.5
1115091	Soil	0.21	6.1	0.3	<0.05	<0.1	1.31	4.2	<0.02	<1	<0.1	1.7	<10	<2	0.25	10.27	6.27	27.1	309	6.2	4.4
1115092	Soil	0.43	3.5	0.3	<0.05	<0.1	1.55	4.4	<0.02	<1	<0.1	1.7	<10	<2	0.29	6.11	6.27	15.4	318	6.1	3.4
1115093	Soil	0.25	4.9	0.3	<0.05	<0.1	1.24	4.2	<0.02	<1	0.1	0.9	<10	<2	0.28	7.06	9.16	35.1	576	4.2	2.4
1115094	Soil	0.43	6.9	0.3	<0.05	<0.1	1.68	4.6	<0.02	<1	<0.1	1.9	<10	<2	0.38	7.51	6.00	20.3	149	4.8	4.1
1115095	Soil	0.38	15.2	0.2	<0.05	<0.1	1.82	5.0	<0.02	<1	<0.1	1.3	<10	4	1.21	8.84	5.01	24.1	89	5.7	7.0
537901	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.57	14.64	4.96	36.5	390	6.0	4.0
537902	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.75	6.71	3.80	35.3	303	2.0	1.8
537903	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.95	15.40	8.55	36.1	412	2.8	2.3
537904	Soil	0.08	14.0	0.2	<0.05	0.3	13.31	5.1	<0.02	<1	0.1	1.3	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537905	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.67	24.23	6.13	29.0	1260	4.3	3.6
537906	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.77	20.25	5.16	12.7	452	3.3	2.6
537907	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.03	11.88	3.21	32.6	258	2.0	0.9
537908	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.80	11.29	3.38	49.3	740	2.1	1.3
537909	Soil	0.04	7.1	0.2	<0.05	0.5	1.24	0.8	<0.02	<1	<0.1	0.7	<10	<2	8.14	94.97	3.38	20.3	417	3.3	1.2
537910	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.86	12.77	8.69	34.5	850	2.9	1.9
537911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.93	8.83	5.27	40.5	1024	2.7	2.3
537912	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.68	17.36	7.06	46.4	562	4.0	2.8
537913	Soil	0.05	8.6	0.3	<0.05	<0.1	1.07	4.7	<0.02	<1	0.1	0.5	<10	<2	0.67	16.61	9.99	75.0	187	5.3	3.4
537914	Soil	0.24	8.3	0.1	<0.05	0.1	6.50	9.9	<0.02	5	0.2	6.4	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537915	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.61	39.53	11.15	24.2	751	8.3	14.8
537916	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.87	26.03	4.94	28.6	371	5.2	2.9
537917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.28	17.35	5.53	27.1	950	4.4	4.2
537918	Soil	0.18	6.9	0.2	<0.05	<0.1	1.29	5.2	<0.02	<1	<0.1	1.2	<10	<2	1.55	14.78	5.62	43.5	243	4.0	4.5
537919	Soil	0.13	9.7	0.1	<0.05	0.2	62.17	20.6	<0.02	<1	0.4	1.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537920	Soil	0.13	7.8	0.2	<0.05	<0.1	0.94	3.8	<0.02	<1	<0.1	0.5	<10	<2	2.94	11.52	8.15	55.9	776	3.2	4.4
537921	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.96	5.26	3.96	67.1	128	1.9	0.5
537922	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.01	331.3	11.71	13.8	3035	5.9	1.3

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 7 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
1115088	Soil	63	0.73	0.4	<0.1	2.2	<0.1	39.2	0.21	0.07	0.14	22	0.25	0.090	1.9	24.5	0.23	116.0	0.002	<20	0.68
1115089	Soil	349	0.66	0.6	<0.1	1.3	<0.1	34.4	0.21	0.09	0.14	28	0.17	0.050	2.4	25.4	0.18	138.0	0.033	<20	0.47
1115090	Soil	54	0.43	0.5	<0.1	2.9	<0.1	50.1	0.23	0.10	0.18	20	0.24	0.059	2.0	10.9	0.13	123.1	0.011	<20	0.54
1115091	Soil	772	0.78	0.4	<0.1	7.3	<0.1	41.5	0.28	0.10	0.14	28	0.22	0.046	1.9	16.9	0.27	224.4	0.040	<20	0.57
1115092	Soil	105	0.92	0.2	<0.1	5.1	<0.1	45.8	0.06	0.13	0.13	43	0.26	0.035	2.3	19.7	0.32	76.9	0.119	<20	0.72
1115093	Soil	353	0.62	0.3	<0.1	1.9	<0.1	54.0	0.17	0.08	0.12	24	0.60	0.040	2.3	11.9	0.21	265.6	0.049	<20	0.49
1115094	Soil	378	0.86	<0.1	<0.1	1.7	<0.1	47.2	0.18	0.08	0.13	37	0.42	0.037	2.4	11.5	0.38	167.9	0.084	<20	0.68
1115095	Soil	984	0.96	0.3	<0.1	2.6	<0.1	54.0	0.15	0.08	0.12	36	0.48	0.032	2.3	14.6	0.32	292.8	0.085	<20	0.59
537901	Soil	760	0.55	0.4	<0.1	1.0	<0.1	69.6	0.24	0.13	0.07	17	1.15	0.076	1.0	12.9	0.21	169.9	0.023	<20	0.25
537902	Soil	496	0.63	0.3	<0.1	0.9	<0.1	8.1	0.15	0.28	0.04	17	0.33	0.126	<0.5	7.2	0.08	90.7	0.013	<20	0.10
537903	Soil	417	0.65	0.4	<0.1	0.6	<0.1	19.5	0.44	0.11	0.06	19	0.40	0.119	0.7	13.1	0.12	188.7	0.019	<20	0.11
537904	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537905	Soil	679	1.84	0.2	<0.1	1.8	<0.1	25.5	0.38	0.14	0.06	53	0.59	0.068	0.8	35.4	0.09	110.2	0.052	<20	0.15
537906	Soil	111	0.72	0.6	<0.1	4.5	<0.1	38.5	0.33	0.10	0.04	21	0.88	0.076	<0.5	16.6	0.16	53.2	0.018	<20	0.11
537907	Soil	186	0.09	0.1	<0.1	1.0	<0.1	23.7	0.26	0.12	0.04	<2	0.73	0.118	<0.5	5.4	0.11	114.0	0.003	<20	0.05
537908	Soil	664	0.43	0.5	<0.1	<0.2	<0.1	20.2	0.20	0.16	0.07	15	0.46	0.113	0.8	6.6	0.08	120.0	0.004	<20	0.17
537909	Soil	82	0.25	0.3	<0.1	0.3	<0.1	61.8	0.58	0.13	0.06	7	1.07	0.120	0.7	6.3	0.12	34.9	0.009	<20	0.13
537910	Soil	151	0.55	0.6	<0.1	3.2	<0.1	23.8	0.16	0.15	0.07	18	0.24	0.073	1.5	7.2	0.05	166.8	0.007	<20	0.25
537911	Soil	414	0.72	0.6	<0.1	2.0	<0.1	20.5	0.18	0.10	0.05	23	0.26	0.092	0.8	9.9	0.13	82.7	0.024	<20	0.24
537912	Soil	375	0.99	0.3	<0.1	2.8	<0.1	20.8	0.26	0.11	0.09	34	0.26	0.075	1.3	10.7	0.18	127.1	0.037	<20	0.47
537913	Soil	557	0.85	0.3	<0.1	4.1	<0.1	29.7	0.32	0.11	0.11	25	0.32	0.092	2.0	10.5	0.10	416.3	0.002	<20	0.54
537914	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537915	Soil	1505	1.56	0.9	1.6	17.0	<0.1	51.2	0.64	0.15	0.12	39	0.64	0.172	7.8	16.8	0.27	166.5	0.004	<20	0.88
537916	Soil	435	0.67	1.2	0.3	1.5	<0.1	66.8	0.55	0.23	0.06	18	0.70	0.091	3.3	9.9	0.22	129.1	0.016	<20	0.39
537917	Soil	266	0.20	0.1	0.2	<0.2	<0.1	97.6	0.43	0.14	0.06	8	1.08	0.120	3.2	4.5	0.14	232.3	0.008	<20	0.19
537918	Soil	1316	1.33	0.6	0.1	8.1	<0.1	43.5	0.61	0.14	0.10	39	0.41	0.066	2.7	9.8	0.18	135.2	0.022	<20	0.46
537919	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537920	Soil	2783	0.61	0.6	0.1	1.4	<0.1	67.1	0.50	0.15	0.07	17	0.71	0.124	2.5	5.9	0.08	382.3	0.009	<20	0.28
537921	Soil	1708	0.08	<0.1	<0.1	1.6	<0.1	35.9	0.12	0.08	0.04	<2	0.53	0.174	0.6	3.8	0.07	177.0	0.002	<20	0.10
537922	Soil	1254	0.19	<0.1	3.2	2.8	<0.1	161.9	1.75	0.32	0.04	4	2.43	0.135	43.2	3.4	0.09	150.9	0.002	<20	0.38

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 7 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	<0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
1115088	Soil			0.006	0.03	<0.1	0.1	<0.02	0.04	43	0.1	<0.02	3.0	1.84	<0.1	<0.02	0.05	11.1	0.2	<0.05	<0.1	1.32	3.6
1115089	Soil			0.004	0.03	<0.1	0.4	0.05	0.03	41	<0.1	<0.02	3.2	1.32	<0.1	<0.02	0.26	5.2	0.3	<0.05	<0.1	1.20	4.5
1115090	Soil			0.004	0.03	<0.1	0.3	0.03	0.04	68	0.3	0.03	2.5	0.89	<0.1	<0.02	0.08	3.8	0.3	<0.05	<0.1	0.99	3.8
1115091	Soil			0.005	0.04	<0.1	0.5	0.08	0.03	54	0.2	<0.02	3.4	1.45	<0.1	<0.02	0.14	5.8	0.2	<0.05	<0.1	1.17	3.9
1115092	Soil			0.006	0.03	<0.1	1.4	0.02	0.02	45	0.2	0.04	4.4	0.53	<0.1	<0.02	0.45	3.6	0.3	<0.05	0.2	1.83	4.7
1115093	Soil			0.006	0.04	<0.1	0.5	0.03	0.03	79	0.2	0.04	2.9	0.99	<0.1	<0.02	0.26	5.0	0.3	<0.05	<0.1	1.34	4.9
1115094	Soil			0.007	0.04	<0.1	0.8	0.02	0.02	47	0.2	<0.02	4.3	0.81	<0.1	<0.02	0.35	7.2	0.3	<0.05	<0.1	1.75	4.9
1115095	Soil			0.004	0.04	<0.1	1.3	0.04	<0.02	26	0.5	<0.02	3.8	1.00	<0.1	<0.02	0.28	14.3	0.2	<0.05	<0.1	1.79	4.9
537901	Soil			0.007	0.06	0.1	0.5	0.03	0.09	119	0.4	0.05	1.4	0.75	<0.1	<0.02	0.15	7.1	0.2	<0.05	<0.1	0.91	1.9
537902	Soil			0.006	0.11	<0.1	0.5	0.05	0.10	135	0.3	<0.02	0.4	0.56	<0.1	<0.02	0.05	11.4	0.2	<0.05	<0.1	0.25	0.7
537903	Soil			0.007	0.11	<0.1	0.7	0.04	0.10	140	0.5	<0.02	0.6	0.83	<0.1	<0.02	0.06	10.0	0.2	<0.05	0.1	0.40	1.3
537904	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537905	Soil			0.007	0.05	0.2	1.1	0.03	0.07	137	0.6	0.03	1.1	0.40	<0.1	<0.02	0.25	4.3	0.3	<0.05	0.2	0.82	1.6
537906	Soil			0.007	0.06	<0.1	0.6	<0.02	0.12	111	0.5	0.02	0.7	0.28	<0.1	<0.02	0.06	4.2	0.1	<0.05	0.3	0.48	0.6
537907	Soil			0.005	0.12	<0.1	0.2	0.02	0.15	146	0.4	0.02	0.2	0.20	<0.1	<0.02	0.03	9.6	0.2	<0.05	0.2	0.15	0.4
537908	Soil			0.009	0.12	0.1	0.3	<0.02	0.09	113	0.2	<0.02	1.2	0.31	<0.1	<0.02	0.09	5.7	0.1	<0.05	<0.1	0.29	1.4
537909	Soil			0.006	0.08	<0.1	1.0	0.03	0.17	121	1.0	0.05	0.4	0.65	<0.1	<0.02	0.06	6.9	0.1	<0.05	0.2	1.27	0.7
537910	Soil			0.010	0.06	0.2	0.3	0.02	0.06	92	0.3	<0.02	1.8	0.30	<0.1	<0.02	0.14	5.9	0.3	<0.05	<0.1	0.41	2.9
537911	Soil			0.010	0.08	<0.1	0.3	0.04	0.07	92	0.3	<0.02	1.4	0.42	<0.1	<0.02	0.16	7.7	0.2	<0.05	<0.1	0.62	1.4
537912	Soil			0.011	0.11	<0.1	0.4	0.04	0.06	85	0.3	0.06	2.4	0.42	<0.1	<0.02	0.16	8.6	0.2	<0.05	<0.1	1.06	2.6
537913	Soil			0.007	0.06	<0.1	0.2	0.03	0.05	65	<0.1	<0.02	2.1	0.46	<0.1	<0.02	0.05	6.5	0.2	<0.05	<0.1	1.01	4.0
537914	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537915	Soil			0.018	0.09	0.1	0.4	0.11	0.16	127	0.7	0.03	3.4	1.82	<0.1	<0.02	0.11	11.0	0.2	<0.05	<0.1	7.38	17.8
537916	Soil			0.010	0.10	0.2	0.9	0.03	0.11	130	0.4	<0.02	1.6	0.39	<0.1	<0.02	0.25	5.7	0.1	<0.05	0.1	2.33	5.0
537917	Soil			0.008	0.10	<0.1	0.5	0.02	0.13	190	0.7	<0.02	0.7	0.23	<0.1	<0.02	0.12	5.3	0.1	<0.05	0.2	2.68	5.2
537918	Soil			0.007	0.05	0.1	0.3	0.04	0.05	91	0.3	0.04	3.0	0.28	<0.1	<0.02	0.17	7.2	0.2	<0.05	<0.1	1.27	5.0
537919	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537920	Soil			0.007	0.12	0.2	0.2	0.10	0.10	143	0.7	0.06	1.4	0.50	<0.1	<0.02	0.09	10.7	0.2	<0.05	<0.1	0.96	3.5
537921	Soil			0.006	0.14	<0.1	0.2	0.08	0.11	309	0.3	<0.02	0.2	0.40	<0.1	<0.02	0.03	12.3	0.1	<0.05	<0.1	0.45	0.5
537922	Soil			0.007	0.07	<0.1	0.7	0.15	0.17	196	2.3	<0.02	0.7	0.27	0.3	<0.02	0.04	3.5	<0.1	<0.05	0.2	50.01	19.6

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 7 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
1115088	Soil	<0.02	2	0.2	1.9	<10	<2
1115089	Soil	<0.02	<1	<0.1	1.4	<10	<2
1115090	Soil	0.02	1	<0.1	0.9	<10	2
1115091	Soil	<0.02	<1	<0.1	1.4	<10	<2
1115092	Soil	<0.02	<1	<0.1	2.0	<10	<2
1115093	Soil	<0.02	<1	<0.1	1.0	<10	<2
1115094	Soil	<0.02	<1	<0.1	1.9	<10	3
1115095	Soil	<0.02	1	<0.1	1.2	<10	3
537901	Soil	<0.02	1	<0.1	0.8	<10	<2
537902	Soil	<0.02	1	<0.1	0.3	<10	<2
537903	Soil	<0.02	<1	<0.1	0.3	<10	<2
537904	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537905	Soil	<0.02	1	<0.1	0.5	<10	3
537906	Soil	<0.02	<1	<0.1	0.7	<10	<2
537907	Soil	<0.02	<1	<0.1	0.2	<10	2
537908	Soil	<0.02	<1	<0.1	0.2	<10	<2
537909	Soil	<0.02	<1	<0.1	0.8	<10	<2
537910	Soil	<0.02	<1	<0.1	0.3	<10	<2
537911	Soil	<0.02	<1	<0.1	0.6	<10	<2
537912	Soil	<0.02	1	<0.1	0.3	<10	<2
537913	Soil	<0.02	<1	0.1	0.6	<10	<2
537914	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537915	Soil	<0.02	2	0.4	4.1	<10	<2
537916	Soil	<0.02	<1	<0.1	1.6	<10	<2
537917	Soil	<0.02	<1	<0.1	0.3	<10	<2
537918	Soil	<0.02	1	<0.1	1.1	<10	<2
537919	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537920	Soil	<0.02	9	<0.1	0.4	<10	<2
537921	Soil	<0.02	<1	<0.1	0.1	<10	<2
537922	Soil	<0.02	<1	0.3	0.4	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 8 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
537923	Soil			3.91	12.84	3.21	14.2	79	1.9	0.2	229	0.07	<0.1	<0.1	<0.2	<0.1	57.9	0.39	0.07	<0.02	<2	0.85	0.080
537924	Soil			12.62	99.33	17.23	22.1	515	8.8	11.0	4686	1.59	<0.1	0.6	<0.2	<0.1	100.7	0.82	0.28	0.13	42	0.89	0.094
537925	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537926	Soil			14.17	135.0	7.95	76.9	916	18.8	16.4	580	4.27	5.0	8.4	15.6	0.5	42.6	1.37	0.40	0.19	96	0.64	0.205
537927	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537928	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537929	Soil			1.66	13.60	8.57	28.6	871	6.3	5.1	102	1.68	0.8	<0.1	3.9	<0.1	28.5	0.21	0.16	0.09	48	0.29	0.074
537930	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537931	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537932	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537933	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537934	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537935	Soil			1.80	498.3	9.06	31.0	776	10.1	14.1	2625	1.66	0.7	0.4	3.0	<0.1	136.4	0.92	0.76	0.07	60	2.54	0.139
537936	Soil			0.78	8.84	7.49	81.3	1127	1.8	1.3	3881	0.26	0.4	<0.1	2.5	<0.1	23.8	0.17	0.12	0.06	9	0.72	0.123
537937	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537951	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537952	Soil			1.56	332.3	5.52	44.3	635	11.9	14.0	514	2.53	0.9	0.3	2.3	<0.1	96.7	0.51	0.29	0.06	102	1.89	0.114
537953	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537954	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552003	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552004	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552005	Soil			4.29	22.68	8.46	51.5	441	6.7	4.4	323	1.07	1.0	0.2	7.6	0.2	55.4	0.20	0.20	0.13	30	0.52	0.103
552006	Soil			1.30	18.96	5.13	62.1	199	6.2	6.3	1309	1.85	0.7	0.1	4.7	<0.1	34.6	0.27	0.14	0.07	56	0.42	0.061
552007	Soil			6.75	106.2	4.21	47.8	201	13.9	16.3	528	3.14	2.8	5.6	12.5	1.3	44.1	0.24	0.20	0.08	93	0.74	0.159
552008	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552009	Soil			11.62	78.23	24.60	61.8	1329	8.6	26.3	9269	1.29	1.1	1.2	2.6	<0.1	89.7	1.84	0.25	0.22	36	1.02	0.125
552010	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552011	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552012	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552013	Soil			2.17	65.33	6.40	29.0	220	10.9	5.4	120	1.35	1.6	3.8	6.8	0.2	48.2	0.32	0.22	0.10	43	0.79	0.139



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 8 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
537923	Soil	<0.5	1.9	0.08	56.7	0.001	2	0.06	0.007	0.07	<0.1	0.3	<0.02	0.18	217	0.5	<0.02	0.1	0.10	<0.1	<0.02
537924	Soil	10.2	10.9	0.24	392.4	0.021	1	0.67	0.008	0.08	0.3	0.8	0.13	0.09	129	0.3	<0.02	3.1	1.04	<0.1	<0.02
537925	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537926	Soil	12.1	37.1	0.73	169.5	0.029	2	1.56	0.009	0.07	0.9	3.2	0.18	0.17	195	2.9	<0.02	4.1	2.55	<0.1	<0.02
537927	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537928	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537929	Soil	2.1	29.0	0.10	274.7	0.030	2	0.32	0.008	0.05	0.2	0.9	<0.02	0.06	134	0.3	<0.02	1.8	0.47	<0.1	<0.02
537930	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537931	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537932	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537933	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537934	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537935	Soil	3.5	25.3	0.46	259.7	0.024	4	0.62	0.006	0.09	0.2	2.4	0.23	0.15	243	1.8	<0.02	1.7	0.86	<0.1	<0.02
537936	Soil	1.1	4.1	0.07	162.4	0.017	2	0.14	0.006	0.12	0.2	0.3	0.09	0.09	189	0.3	<0.02	1.1	0.59	<0.1	<0.02
537937	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537952	Soil	2.5	33.6	0.65	178.4	0.054	2	0.90	0.011	0.09	0.3	3.1	0.04	0.12	130	0.7	<0.02	3.3	1.65	<0.1	<0.02
537953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537954	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552003	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552004	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552005	Soil	2.4	12.5	0.22	276.0	0.035	2	0.46	0.007	0.09	0.2	1.3	0.03	0.10	146	0.6	0.05	2.5	0.70	<0.1	<0.02
552006	Soil	1.9	25.6	0.20	394.0	0.056	2	0.48	0.010	0.06	0.3	1.1	<0.02	0.05	37	0.4	<0.02	3.2	0.37	<0.1	<0.02
552007	Soil	8.2	41.1	0.84	93.2	0.055	1	1.34	0.012	0.10	0.6	4.1	0.05	0.08	68	0.7	<0.02	3.9	0.99	<0.1	<0.02
552008	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552009	Soil	6.4	11.4	0.23	799.1	0.019	3	0.57	0.006	0.09	0.2	1.0	0.22	0.08	249	0.8	0.05	3.3	1.66	<0.1	<0.02
552010	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552011	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552012	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552013	Soil	6.2	21.0	0.36	103.9	0.021	2	0.88	0.013	0.06	0.3	2.0	0.10	0.24	138	0.9	<0.02	2.5	1.00	<0.1	<0.02

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.



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 8 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
537923	Soil	0.02	4.7	<0.1	<0.05	0.5	0.33	0.5	<0.02	<1	<0.1	<0.1	<10	<2	3.47	12.33	2.89	12.6	82	1.7	0.2
537924	Soil	0.33	18.8	0.2	<0.05	<0.1	6.05	16.4	<0.02	<1	0.3	4.2	<10	<2	10.27	92.91	14.04	21.4	479	8.2	11.0
537925	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.13	15.73	4.57	20.5	123	3.1	2.1
537926	Soil	0.39	16.7	0.2	<0.05	0.2	10.85	16.3	0.04	<1	0.6	9.2	11	<2	12.04	120.5	6.52	67.8	785	17.2	15.4
537927	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.89	9.51	6.72	46.2	323	4.0	2.1
537928	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.75	7.80	3.98	35.3	210	2.6	0.6
537929	Soil	0.14	7.7	0.3	<0.05	<0.1	0.96	4.4	<0.02	4	<0.1	0.4	<10	<2	1.37	11.05	7.01	23.2	692	4.8	4.2
537930	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.52	4.36	2.95	59.6	234	1.4	0.6
537931	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.78	7.53	7.51	64.1	1173	2.2	1.5
537932	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.94	7.02	3.58	25.3	570	2.1	0.4
537933	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.80	10.81	3.79	32.4	535	3.5	1.1
537934	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.05	587.4	4.43	11.7	673	7.1	0.6
537935	Soil	0.11	7.2	0.1	<0.05	<0.1	5.52	3.9	<0.02	<1	0.4	4.7	<10	<2	1.53	422.5	7.55	24.7	646	8.0	11.2
537936	Soil	0.06	10.9	0.2	<0.05	<0.1	0.36	2.1	<0.02	4	<0.1	<0.1	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537937	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.82	9.59	8.65	29.6	497	3.7	2.0
537951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.46	18.16	5.09	17.9	466	2.2	0.4
537952	Soil	0.32	13.1	0.2	<0.05	0.3	3.04	3.1	<0.02	<1	0.2	13.1	12	<2	1.37	317.2	4.96	42.7	546	11.4	13.7
537953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.55	6.65	4.93	41.8	233	2.0	0.5
537954	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.92	12.57	8.87	21.7	196	3.9	3.4
552003	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	6.07	15.37	8.30	19.9	459	2.7	1.2
552004	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.92	8.73	4.37	67.6	241	1.9	0.6
552005	Soil	0.40	7.8	0.2	<0.05	0.2	0.92	4.8	<0.02	<1	<0.1	2.1	<10	<2	3.74	19.78	7.31	41.5	395	6.1	4.3
552006	Soil	0.21	5.5	0.2	<0.05	<0.1	1.39	4.0	<0.02	2	0.1	1.6	<10	4	1.03	17.58	3.90	49.6	151	5.3	5.9
552007	Soil	0.31	10.1	0.2	<0.05	0.3	7.96	12.1	<0.02	3	0.4	9.8	<10	<2	5.89	98.00	3.56	44.7	161	12.8	15.1
552008	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.17	483.5	2.96	13.9	947	5.4	2.5
552009	Soil	0.13	18.5	0.2	<0.05	<0.1	5.10	11.8	<0.02	2	0.3	3.5	<10	<2	9.27	71.21	20.76	51.6	1144	7.8	22.5
552010	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	11.77	31.78	3.45	8.5	74	2.3	0.8
552011	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.40	54.98	3.78	8.9	362	4.1	1.3
552012	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.94	43.58	2.49	26.7	67	8.1	3.8
552013	Soil	0.27	5.5	0.2	<0.05	0.1	6.40	8.8	<0.02	2	0.5	5.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 8 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F Mn	1F Fe	1F As	1F U	1F Au	1F Th	1F Sr	1F Cd	1F Sb	1F Bi	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al
Unit	MDL	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%
		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
537923	Soil	213	0.06	<0.1	<0.1	<0.2	<0.1	55.8	0.40	0.06	0.03	<2	0.82	0.082	<0.5	3.6	0.08	54.2	0.002	<20	0.06
537924	Soil	4710	1.47	1.1	0.5	2.9	<0.1	93.9	0.70	0.17	0.17	38	0.85	0.084	8.3	11.1	0.26	349.6	0.023	<20	0.68
537925	Soil	276	0.61	0.5	0.5	3.7	<0.1	80.3	0.17	0.14	0.06	16	0.91	0.078	1.3	8.9	0.14	153.9	0.011	<20	0.25
537926	Soil	578	3.70	3.4	7.1	8.5	0.4	48.6	1.22	0.25	0.16	89	0.57	0.189	10.6	34.0	0.67	165.3	0.030	<20	1.45
537927	Soil	3881	0.46	0.4	<0.1	1.7	<0.1	23.2	0.21	0.14	0.06	14	0.47	0.143	0.8	7.9	0.09	184.4	0.005	<20	0.26
537928	Soil	362	0.10	0.4	<0.1	1.6	<0.1	19.1	0.14	0.07	0.04	2	0.37	0.125	<0.5	5.6	0.06	101.4	0.003	<20	0.09
537929	Soil	100	1.24	0.5	<0.1	0.5	<0.1	30.7	0.18	0.12	0.08	41	0.27	0.063	1.8	19.8	0.10	231.3	0.034	<20	0.32
537930	Soil	1330	0.06	0.3	<0.1	0.3	<0.1	9.2	0.10	0.05	0.02	<2	0.32	0.144	<0.5	3.3	0.05	68.6	0.003	<20	0.08
537931	Soil	2999	0.19	<0.1	<0.1	1.1	<0.1	28.3	0.22	0.11	0.11	5	0.84	0.123	<0.5	3.4	0.07	286.3	0.007	<20	0.11
537932	Soil	504	0.09	0.4	<0.1	0.7	<0.1	6.6	0.11	0.08	0.06	<2	0.25	0.105	<0.5	3.3	0.05	55.3	0.003	<20	0.06
537933	Soil	464	0.20	0.6	<0.1	0.5	<0.1	10.8	0.16	0.09	0.21	5	0.28	0.104	0.6	7.3	0.09	78.5	0.010	<20	0.11
537934	Soil	982	0.18	0.1	0.8	1.5	<0.1	90.8	1.02	0.62	0.06	5	2.13	0.131	8.5	4.2	0.09	120.8	0.002	<20	0.45
537935	Soil	2261	1.48	0.2	0.3	1.3	<0.1	117.2	0.76	0.49	0.06	57	2.32	0.104	2.8	21.2	0.39	209.0	0.020	<20	0.57
537936	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537937	Soil	229	0.46	0.2	<0.1	1.3	<0.1	19.1	0.17	0.11	0.07	15	0.23	0.089	1.3	7.6	0.08	164.8	0.004	<20	0.30
537951	Soil	252	0.08	0.1	<0.1	<0.2	<0.1	32.3	0.48	0.08	0.04	<2	0.84	0.109	<0.5	2.9	0.06	108.4	0.002	<20	0.05
537952	Soil	488	2.44	0.5	0.3	3.0	<0.1	93.4	0.43	0.24	0.06	101	1.81	0.097	2.3	31.8	0.63	157.9	0.060	<20	0.89
537953	Soil	540	0.13	0.3	<0.1	1.5	<0.1	14.6	0.07	0.08	0.05	5	0.34	0.090	0.5	6.5	0.06	77.6	0.013	<20	0.17
537954	Soil	258	1.41	0.5	<0.1	0.2	<0.1	23.5	0.22	0.09	0.07	38	0.34	0.052	1.6	26.1	0.11	156.8	0.036	<20	0.31
552003	Soil	1032	0.20	0.5	<0.1	2.8	<0.1	61.3	0.43	0.09	0.08	7	0.78	0.116	1.9	4.6	0.07	87.2	0.014	<20	0.21
552004	Soil	465	0.13	0.3	<0.1	0.4	<0.1	31.8	0.56	0.07	0.03	2	0.62	0.116	<0.5	3.5	0.07	69.4	0.005	<20	0.18
552005	Soil	306	0.92	0.9	0.2	1.8	<0.1	51.6	0.16	0.15	0.11	27	0.49	0.090	1.9	11.3	0.21	229.0	0.026	<20	0.43
552006	Soil	1167	1.82	0.8	<0.1	1.2	<0.1	28.4	0.22	0.10	0.06	58	0.36	0.047	1.5	24.2	0.18	288.4	0.046	<20	0.45
552007	Soil	479	2.87	2.1	4.3	6.0	0.6	42.4	0.22	0.14	0.07	89	0.76	0.151	7.1	35.7	0.80	77.4	0.052	<20	1.26
552008	Soil	431	0.37	<0.1	1.1	5.5	<0.1	100.8	0.47	0.78	0.04	12	2.33	0.114	9.3	6.7	0.16	137.7	0.006	<20	0.45
552009	Soil	8142	1.23	0.9	1.0	1.6	<0.1	83.9	1.52	0.14	0.19	38	1.01	0.107	5.4	10.5	0.22	736.8	0.020	<20	0.60
552010	Soil	280	0.08	0.2	<0.1	0.2	<0.1	249.3	0.49	0.06	0.03	3	2.87	0.079	<0.5	2.6	0.12	134.7	0.001	<20	0.04
552011	Soil	475	0.18	<0.1	0.3	1.7	<0.1	272.9	1.14	0.23	0.03	6	3.24	0.094	1.0	4.1	0.16	173.5	0.003	<20	0.12
552012	Soil	367	2.21	1.2	0.5	5.5	0.1	177.2	0.17	0.20	0.03	21	1.95	0.104	2.2	9.7	0.24	144.2	0.010	<20	0.29
552013	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 8 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
537923	Soil			0.006	0.07	<0.1	0.1	<0.02	0.16	171	0.3	<0.02	<0.1	0.09	<0.1	<0.02	0.03	4.4	<0.1	<0.05	<0.1	0.25	0.3
537924	Soil			0.009	0.08	0.2	0.7	0.08	0.08	115	0.6	0.09	3.4	0.80	<0.1	<0.02	0.27	15.4	0.2	<0.05	<0.1	5.49	14.6
537925	Soil			0.006	0.06	0.2	0.6	0.02	0.14	224	0.6	0.02	1.1	0.50	<0.1	<0.02	0.17	4.4	0.1	<0.05	0.2	1.00	2.0
537926	Soil			0.010	0.07	0.4	2.6	0.15	0.14	143	2.4	<0.02	4.2	2.03	<0.1	<0.02	0.43	14.9	0.2	<0.05	0.2	10.90	14.4
537927	Soil			0.009	0.12	0.2	0.1	0.19	0.10	204	0.3	<0.02	1.3	1.19	<0.1	<0.02	0.07	11.6	0.1	<0.05	<0.1	0.42	1.2
537928	Soil			0.009	0.10	<0.1	0.3	0.06	0.12	162	0.3	<0.02	0.2	0.25	<0.1	<0.02	0.04	7.7	<0.1	<0.05	0.1	0.17	0.4
537929	Soil			0.007	0.05	0.1	0.6	<0.02	0.05	81	0.3	0.04	2.0	0.33	<0.1	<0.02	0.19	6.3	0.2	<0.05	0.2	0.99	3.7
537930	Soil			0.007	0.12	<0.1	0.2	0.17	0.11	230	<0.1	<0.02	0.2	0.38	<0.1	<0.02	0.03	9.9	<0.1	<0.05	<0.1	0.12	0.3
537931	Soil			0.005	0.15	<0.1	0.7	0.17	0.10	319	0.1	0.02	0.5	0.53	<0.1	<0.02	0.04	13.9	0.1	<0.05	<0.1	0.21	0.5
537932	Soil			0.007	0.11	<0.1	0.4	0.06	0.13	171	0.1	0.02	0.2	0.25	<0.1	<0.02	0.04	7.5	0.1	<0.05	0.1	0.14	0.4
537933	Soil			0.010	0.12	<0.1	0.6	0.04	0.10	121	<0.1	<0.02	0.5	0.57	<0.1	<0.02	0.10	9.6	0.2	<0.05	<0.1	0.30	0.9
537934	Soil			0.007	0.08	<0.1	0.8	0.08	0.15	153	0.7	<0.02	0.4	0.29	0.2	<0.02	0.05	4.4	0.1	<0.05	0.1	9.17	5.9
537935	Soil			0.007	0.09	0.2	1.3	0.20	0.14	214	0.8	0.04	1.6	0.64	<0.1	<0.02	0.11	5.3	0.1	<0.05	<0.1	4.56	3.1
537936	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537937	Soil			0.007	0.07	0.1	0.5	0.03	0.07	107	0.1	<0.02	1.3	0.26	<0.1	<0.02	0.08	4.0	0.2	<0.05	<0.1	0.45	2.6
537951	Soil			0.006	0.10	<0.1	0.5	0.04	0.13	188	0.2	<0.02	0.2	0.18	<0.1	<0.02	0.03	4.5	<0.1	<0.05	0.2	0.20	0.5
537952	Soil			0.012	0.09	0.3	2.4	0.06	0.11	111	0.4	<0.02	3.3	1.54	<0.1	<0.02	0.28	12.1	0.1	<0.05	0.1	2.94	2.8
537953	Soil			0.014	0.11	<0.1	0.6	0.07	0.10	227	<0.1	<0.02	0.6	0.30	<0.1	<0.02	0.08	7.2	0.1	<0.05	<0.1	0.26	0.9
537954	Soil			0.013	0.06	<0.1	0.6	0.03	0.03	49	<0.1	<0.02	1.7	0.43	<0.1	<0.02	0.14	5.3	0.2	<0.05	<0.1	1.14	3.4
552003	Soil			0.008	0.13	<0.1	0.6	0.06	0.09	153	0.2	<0.02	1.1	0.18	<0.1	<0.02	0.21	4.5	0.2	<0.05	<0.1	1.05	2.0
552004	Soil			0.008	0.08	<0.1	0.6	0.05	0.14	240	0.2	<0.02	0.3	0.12	<0.1	<0.02	0.05	2.4	<0.1	<0.05	<0.1	0.17	0.5
552005	Soil			0.007	0.09	0.3	1.1	0.03	0.10	118	0.3	0.03	2.2	0.51	<0.1	<0.02	0.36	6.2	0.2	<0.05	0.2	0.84	3.4
552006	Soil			0.010	0.06	0.2	1.1	0.03	0.04	43	<0.1	<0.02	2.6	0.26	<0.1	<0.02	0.21	3.5	0.2	<0.05	<0.1	1.22	2.9
552007	Soil			0.013	0.10	0.4	3.6	0.07	0.07	56	0.6	0.04	3.7	0.87	<0.1	<0.02	0.25	9.3	<0.1	<0.05	<0.1	7.07	10.3
552008	Soil			0.012	0.06	0.2	2.4	0.11	0.18	183	1.1	<0.02	0.7	0.28	0.1	<0.02	0.08	4.3	<0.1	<0.05	0.4	19.45	3.8
552009	Soil			0.007	0.09	0.1	1.0	0.22	0.08	169	0.2	0.04	3.1	1.36	<0.1	<0.02	0.17	15.1	0.2	<0.05	<0.1	4.56	9.9
552010	Soil			0.007	0.07	<0.1	0.3	<0.02	0.18	113	0.3	<0.02	0.2	0.11	<0.1	<0.02	0.03	2.4	<0.1	<0.05	0.1	0.46	0.4
552011	Soil			0.011	0.05	<0.1	0.4	0.03	0.23	138	1.8	<0.02	0.4	0.11	<0.1	<0.02	0.06	1.6	<0.1	<0.05	0.3	1.64	1.2
552012	Soil			0.012	0.09	0.1	1.1	0.02	0.33	80	0.6	<0.02	0.9	0.22	<0.1	<0.02	0.14	5.9	<0.1	<0.05	0.3	2.37	3.6
552013	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 8 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F In ppm	1F Re ppb	1F Be ppm	1F Li ppm	1F Pd ppb	1F Pt ppb
537923	Soil			<0.02	<1	<0.1	0.2	<10	<2
537924	Soil			<0.02	1	0.2	3.7	<10	<2
537925	Soil			<0.02	1	<0.1	1.4	<10	3
537926	Soil			<0.02	3	0.4	8.6	<10	<2
537927	Soil			<0.02	<1	<0.1	0.5	<10	<2
537928	Soil			<0.02	<1	<0.1	0.2	<10	<2
537929	Soil			<0.02	<1	<0.1	0.5	<10	2
537930	Soil			<0.02	1	<0.1	<0.1	<10	<2
537931	Soil			<0.02	<1	<0.1	0.2	<10	<2
537932	Soil			<0.02	<1	<0.1	0.2	<10	<2
537933	Soil			<0.02	<1	<0.1	0.4	<10	<2
537934	Soil			<0.02	<1	0.2	0.4	10	<2
537935	Soil			<0.02	<1	<0.1	4.2	<10	<2
537936	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537937	Soil			<0.02	<1	<0.1	0.4	<10	<2
537951	Soil			<0.02	<1	<0.1	0.1	<10	<2
537952	Soil			<0.02	<1	0.1	11.6	16	<2
537953	Soil			<0.02	2	<0.1	0.4	<10	<2
537954	Soil			<0.02	<1	<0.1	0.6	<10	<2
552003	Soil			<0.02	<1	<0.1	0.3	<10	<2
552004	Soil			<0.02	<1	<0.1	0.2	<10	<2
552005	Soil			<0.02	<1	0.1	1.8	<10	<2
552006	Soil			<0.02	<1	<0.1	1.1	<10	<2
552007	Soil			<0.02	<1	0.3	9.0	<10	3
552008	Soil			<0.02	<1	0.1	0.8	<10	<2
552009	Soil			<0.02	<1	0.2	3.7	<10	<2
552010	Soil			<0.02	<1	<0.1	0.2	<10	<2
552011	Soil			<0.02	2	<0.1	0.5	<10	<2
552012	Soil			<0.02	2	0.1	2.0	<10	<2
552013	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 9 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
552014	Soil	0.98	16.88	6.43	57.0	466	7.7	5.9	962	1.95	2.6	0.4	4.4	0.4	29.8	0.14	0.32	0.10	43	0.43	0.126
552015	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552016	Soil	0.95	22.46	9.47	64.4	328	10.0	5.0	394	0.90	1.3	0.4	3.0	<0.1	30.4	0.34	0.25	0.12	18	0.24	0.132
552017	Soil	0.98	12.91	12.86	62.7	209	6.2	5.0	2368	1.39	1.7	0.2	4.5	<0.1	27.5	0.29	0.30	0.12	41	0.35	0.109
552018	Soil	0.80	12.65	11.16	51.1	1263	5.6	1.8	144	0.40	1.2	0.2	1.8	<0.1	25.3	0.19	0.13	0.09	10	0.20	0.144
552019	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552020	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552021	Soil	1.24	14.08	7.86	38.1	373	3.4	2.9	953	0.99	1.2	<0.1	2.0	<0.1	17.6	0.14	0.15	0.09	29	0.39	0.145
552022	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552023	Soil	1.72	28.13	5.41	28.5	722	5.7	4.2	475	1.95	1.1	0.1	7.4	<0.1	20.5	0.23	0.53	0.17	70	0.24	0.084
552024	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552025	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552026	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552027	Soil	2.05	84.87	5.39	51.3	241	13.6	11.6	430	2.39	1.4	3.9	10.9	0.7	45.9	0.15	0.24	0.17	65	0.81	0.140
552028	Soil	1.34	17.37	6.33	37.8	182	6.3	4.6	341	1.30	1.0	0.1	4.1	<0.1	22.4	0.14	0.25	0.14	38	0.29	0.123
552029	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552030	Soil	0.91	13.50	6.42	42.8	279	3.9	3.7	410	0.86	<0.1	0.1	2.1	<0.1	36.5	0.76	0.15	0.10	25	0.36	0.074
552031	Soil	1.91	8.36	9.66	41.5	950	2.2	4.6	1915	1.27	<0.1	0.1	5.3	<0.1	29.3	0.20	0.16	0.17	42	0.27	0.080
552032	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552033	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552034	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552035	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552036	Soil	6.17	249.5	41.42	21.8	1655	9.6	5.5	2998	0.97	<0.1	2.3	3.2	0.1	198.4	1.14	0.37	0.25	18	2.50	0.128
552037	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552038	Soil	3.19	21.92	7.11	13.5	320	3.5	2.8	137	1.06	<0.1	0.3	1.4	0.2	43.3	0.18	0.19	0.11	34	0.40	0.053
552039	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552040	Soil	4.75	45.06	7.45	37.0	433	11.9	12.5	820	1.98	0.4	1.1	4.8	0.5	60.0	0.80	0.29	0.11	51	0.84	0.096
552041	Soil	0.82	16.37	7.39	52.0	633	4.7	4.0	474	1.09	0.6	0.2	9.7	<0.1	20.0	0.14	0.28	0.09	29	0.20	0.128
552042	Soil	0.98	34.07	6.53	37.2	160	8.3	10.0	1107	2.93	1.6	0.2	7.0	0.3	21.2	0.11	0.36	0.12	86	0.22	0.060
552043	Soil	0.75	7.04	6.13	53.5	860	2.2	1.8	2142	0.60	0.1	<0.1	1.5	<0.1	17.8	0.19	0.14	0.07	21	0.37	0.128

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 9 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
552014	Soil	3.7	20.5	0.32	114.2	0.034	2	0.82	0.006	0.06	0.5	1.5	0.04	0.05	136	0.9	<0.02	3.8	0.78	<0.1	<0.02
552015	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552016	Soil	8.5	10.6	0.18	229.0	0.015	1	0.79	0.006	0.10	0.4	0.9	0.05	0.08	125	0.2	<0.02	2.5	0.47	<0.1	<0.02
552017	Soil	2.8	14.3	0.20	199.7	0.011	1	0.79	0.005	0.07	0.4	0.4	0.06	0.06	164	0.3	<0.02	3.7	0.60	<0.1	<0.02
552018	Soil	3.0	5.5	0.07	222.3	0.006	1	0.40	0.006	0.06	<0.1	0.2	0.03	0.08	158	0.7	<0.02	1.6	0.61	<0.1	<0.02
552019	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552020	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552021	Soil	1.0	10.7	0.09	105.0	0.010	3	0.27	0.006	0.11	0.2	0.3	0.06	0.09	144	0.3	<0.02	1.8	0.45	<0.1	<0.02
552022	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552023	Soil	2.6	18.5	0.10	191.8	0.008	5	0.66	0.008	0.06	0.3	0.6	0.07	<0.02	43	<0.1	<0.02	4.3	0.39	<0.1	<0.02
552024	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552025	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552026	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552027	Soil	8.6	31.1	0.73	217.5	0.041	4	1.37	0.010	0.10	0.4	3.7	0.05	0.14	94	1.2	<0.02	3.6	1.85	<0.1	<0.02
552028	Soil	2.5	13.9	0.19	154.2	0.013	<1	0.58	0.010	0.09	0.6	0.3	0.02	0.06	93	0.2	<0.02	2.7	0.55	<0.1	<0.02
552029	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552030	Soil	2.5	6.2	0.13	183.4	0.023	3	0.44	0.007	0.06	0.1	0.6	0.03	0.06	74	0.4	<0.02	2.8	0.39	<0.1	<0.02
552031	Soil	2.1	6.8	0.10	155.1	0.052	2	0.42	0.007	0.09	0.2	0.8	0.08	0.04	59	0.2	<0.02	3.3	0.63	<0.1	<0.02
552032	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552033	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552034	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552035	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552036	Soil	36.7	6.4	0.20	274.5	0.015	4	0.66	0.010	0.09	0.4	1.5	0.10	0.14	176	0.9	<0.02	2.3	0.60	<0.1	<0.02
552037	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552038	Soil	3.5	7.9	0.10	136.1	0.035	2	0.43	0.007	0.05	0.3	0.9	<0.02	0.05	95	0.3	<0.02	2.6	0.47	<0.1	0.02
552039	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552040	Soil	4.5	22.8	0.55	85.6	0.044	1	0.84	0.006	0.10	0.4	2.8	0.04	0.09	103	0.4	0.06	3.0	1.97	<0.1	<0.02
552041	Soil	2.1	8.0	0.16	176.3	0.011	3	0.65	0.009	0.07	0.2	0.6	0.02	0.08	111	0.2	0.02	2.4	0.56	<0.1	<0.02
552042	Soil	3.0	21.4	0.44	142.6	0.031	3	1.25	0.008	0.07	0.4	1.8	0.03	0.03	45	<0.1	0.13	4.6	0.86	<0.1	<0.02
552043	Soil	1.2	7.8	0.07	134.2	0.011	2	0.28	0.009	0.12	0.2	0.4	0.12	0.08	156	0.5	<0.02	1.9	0.54	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 9 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
552014	Soil	0.48	14.2	0.2	<0.05	<0.1	1.78	7.6	<0.02	<1	0.2	5.7	<10	3	0.75	13.71	4.88	45.5	364	6.7	4.8
552015	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.69	8.17	5.26	55.2	400	3.1	0.8
552016	Soil	0.26	5.5	0.2	<0.05	<0.1	4.85	17.3	<0.02	<1	0.2	2.2	<10	<2	0.75	19.44	7.64	55.7	261	8.9	4.4
552017	Soil	0.13	8.9	0.3	<0.05	<0.1	1.05	5.7	<0.02	<1	0.1	2.4	<10	<2	0.67	10.02	9.39	48.3	148	5.1	4.3
552018	Soil	0.07	5.2	0.2	<0.05	<0.1	0.84	5.8	<0.02	1	0.3	0.4	<10	2	0.74	12.22	9.81	49.7	1093	5.9	2.0
552019	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.60	7.20	6.50	34.3	177	2.1	1.1
552020	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.69	10.44	16.84	44.5	359	3.4	1.1
552021	Soil	0.09	10.8	0.2	<0.05	<0.1	0.44	2.0	<0.02	<1	<0.1	0.5	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552022	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	12.72	470.5	2.08	31.9	364	7.8	5.9
552023	Soil	0.20	5.1	0.3	<0.05	<0.1	1.06	4.8	<0.02	<1	<0.1	0.7	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552024	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.98	14.40	6.54	44.2	639	2.8	1.0
552025	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.62	9.68	10.61	43.7	165	3.3	1.6
552026	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.64	8.69	7.52	40.1	273	2.3	1.1
552027	Soil	0.38	10.9	0.2	<0.05	0.3	8.61	12.5	<0.02	<1	0.2	10.5	<10	<2	2.01	88.47	5.64	51.3	235	14.7	12.0
552028	Soil	0.13	9.6	0.2	<0.05	<0.1	0.92	5.0	<0.02	<1	<0.1	1.5	<10	<2	1.11	17.66	6.03	36.2	163	5.3	3.9
552029	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.69	26.98	7.56	68.1	171	6.7	11.0
552030	Soil	0.28	6.0	0.3	<0.05	<0.1	1.09	4.7	<0.02	<1	0.2	0.4	<10	<2	0.82	12.23	6.07	41.6	260	3.8	3.3
552031	Soil	0.31	11.1	0.3	<0.05	<0.1	1.07	4.6	<0.02	<1	<0.1	0.4	<10	4	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552032	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.83	20.38	4.15	17.2	696	3.1	3.4
552033	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	10.12	69.56	54.37	50.1	915	4.6	4.3
552034	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.56	9.84	8.42	33.4	543	2.9	2.3
552035	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.95	9.41	8.79	25.7	785	2.2	1.7
552036	Soil	0.31	12.6	0.2	<0.05	0.2	42.46	30.1	<0.02	<1	0.6	1.9	<10	<2	5.23	228.3	39.35	19.9	1582	7.8	4.9
552037	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	5.58	725.4	5.39	10.5	779	11.4	3.8
552038	Soil	0.57	8.6	0.3	<0.05	0.2	1.57	6.7	<0.02	<1	<0.1	1.1	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552039	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.89	21.70	3.67	42.5	72	3.6	2.5
552040	Soil	0.43	31.7	0.1	<0.05	0.4	3.44	9.0	<0.02	<1	<0.1	7.2	<10	<2	4.37	44.90	6.98	32.5	369	11.3	11.6
552041	Soil	0.22	6.3	0.2	<0.05	<0.1	0.90	4.2	<0.02	<1	<0.1	1.4	<10	<2	0.75	15.77	6.69	49.3	609	3.6	3.3
552042	Soil	0.24	18.6	0.2	<0.05	<0.1	1.60	6.4	<0.02	<1	0.3	6.3	<10	<2	0.73	32.02	6.22	36.3	143	6.9	9.3
552043	Soil	0.06	12.7	0.2	<0.05	<0.1	0.43	2.5	<0.02	<1	<0.1	0.3	<10	<2	0.74	7.16	6.10	57.0	843	2.2	1.7

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 9 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
552014	Soil	811	1.66	1.7	0.3	2.5	0.1	25.7	0.10	0.17	0.06	39	0.34	0.096	3.0	14.7	0.26	88.6	0.025	<20	0.79
552015	Soil	440	0.19	0.3	<0.1	0.8	<0.1	13.7	0.24	0.06	0.05	6	0.23	0.117	1.3	5.2	0.07	63.4	0.004	<20	0.26
552016	Soil	364	0.86	1.0	0.3	1.3	<0.1	27.3	0.25	0.14	0.10	18	0.22	0.100	7.1	10.0	0.18	180.7	0.011	<20	0.78
552017	Soil	2180	1.20	1.0	0.1	3.8	<0.1	23.2	0.23	0.15	0.08	38	0.30	0.083	2.1	10.8	0.18	148.3	0.010	<20	0.75
552018	Soil	145	0.36	0.7	0.1	0.2	<0.1	25.0	0.16	0.07	0.08	9	0.21	0.128	2.7	7.1	0.08	204.9	0.006	<20	0.45
552019	Soil	217	0.34	0.4	<0.1	0.5	<0.1	19.9	0.35	0.18	0.08	13	0.28	0.117	1.6	5.9	0.05	71.1	0.004	<20	0.31
552020	Soil	242	0.25	0.3	<0.1	<0.2	<0.1	22.4	0.41	0.07	0.08	9	0.25	0.084	1.6	6.2	0.06	190.5	0.005	<20	0.32
552021	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552022	Soil	1933	0.56	0.2	0.2	1.3	<0.1	120.2	0.79	0.18	0.03	13	2.67	0.134	1.9	9.8	0.20	117.3	0.005	<20	0.25
552023	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552024	Soil	692	0.31	0.4	<0.1	0.3	<0.1	8.4	0.17	0.10	0.05	8	0.27	0.111	0.6	4.0	0.07	56.2	0.004	<20	0.20
552025	Soil	206	0.52	0.7	<0.1	0.3	<0.1	20.1	0.28	0.09	0.06	16	0.26	0.087	1.4	6.6	0.06	159.1	0.004	<20	0.37
552026	Soil	496	0.36	0.3	<0.1	0.3	<0.1	16.5	0.34	0.07	0.05	9	0.32	0.109	1.2	4.7	0.06	197.5	0.004	<20	0.37
552027	Soil	434	2.40	1.7	4.0	6.2	0.4	43.7	0.13	0.14	0.11	68	0.84	0.130	8.5	32.0	0.74	199.0	0.039	<20	1.37
552028	Soil	317	1.23	1.2	0.1	2.7	<0.1	22.9	0.15	0.19	0.34	37	0.29	0.105	2.6	13.0	0.18	128.9	0.016	<20	0.57
552029	Soil	2728	0.69	0.7	0.4	2.7	<0.1	72.6	0.73	0.21	0.15	17	1.06	0.155	3.6	8.8	0.21	210.1	0.010	<20	0.47
552030	Soil	371	0.77	0.4	0.1	4.0	<0.1	37.2	0.68	0.09	0.50	24	0.35	0.062	2.4	6.9	0.14	162.3	0.021	<20	0.43
552031	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552032	Soil	96	0.76	0.6	0.3	4.2	<0.1	124.3	1.79	0.14	0.26	25	1.07	0.065	1.6	8.5	0.17	232.5	0.021	<20	0.31
552033	Soil	5091	0.55	0.4	2.5	1.9	0.1	124.5	1.25	0.35	0.28	8	1.45	0.131	28.4	4.7	0.09	746.4	0.003	<20	0.39
552034	Soil	383	0.78	0.5	0.2	13.2	<0.1	28.0	0.24	0.14	0.16	23	0.24	0.104	2.7	5.5	0.13	125.4	0.011	<20	0.41
552035	Soil	255	0.63	0.4	0.2	3.1	<0.1	23.5	0.13	0.10	0.15	19	0.19	0.088	3.3	5.2	0.12	81.3	0.005	<20	0.46
552036	Soil	2886	0.86	0.3	2.3	2.4	<0.1	177.1	1.18	0.29	0.27	19	2.44	0.118	40.1	6.4	0.19	238.1	0.009	<20	0.63
552037	Soil	825	0.20	<0.1	0.6	4.7	<0.1	166.6	1.52	0.35	0.08	6	2.79	0.111	8.5	3.8	0.10	142.8	0.002	<20	0.30
552038	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552039	Soil	403	0.72	0.4	1.2	4.5	<0.1	105.5	0.23	0.13	0.08	15	1.36	0.108	2.2	10.0	0.16	182.8	0.009	<20	0.33
552040	Soil	747	1.90	1.5	1.1	8.0	0.3	57.9	0.74	0.19	0.11	50	0.84	0.093	5.0	22.4	0.55	73.6	0.035	<20	0.84
552041	Soil	411	0.94	1.4	0.1	389.1	<0.1	18.0	0.12	0.17	0.13	25	0.17	0.099	2.0	7.4	0.15	141.3	0.007	<20	0.60
552042	Soil	985	2.51	1.6	0.2	4.7	0.1	20.2	0.10	0.06	0.12	74	0.21	0.052	2.9	18.6	0.40	130.9	0.018	<20	1.18
552043	Soil	2150	0.53	0.4	<0.1	1.3	<0.1	18.2	0.22	0.10	0.10	20	0.38	0.126	1.1	8.0	0.08	122.5	0.006	<20	0.28

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 9 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
552014	Soil			0.006	0.06	0.2	1.3	0.03	0.05	99	0.1	<0.02	2.9	0.51	<0.1	<0.02	0.40	9.2	0.1	<0.05	<0.1	1.33	5.7
552015	Soil			0.009	0.12	0.1	0.4	0.04	0.09	102	0.2	<0.02	0.9	0.61	<0.1	<0.02	0.10	7.2	0.1	<0.05	<0.1	0.38	2.4
552016	Soil			0.006	0.09	0.3	0.8	0.04	0.07	100	0.1	<0.02	2.6	0.32	<0.1	<0.02	0.26	3.8	0.2	<0.05	<0.1	4.09	13.8
552017	Soil			0.006	0.07	0.2	0.7	0.06	0.06	107	0.1	<0.02	3.0	0.47	<0.1	<0.02	0.10	6.9	0.2	<0.05	2.6	0.86	4.0
552018	Soil			0.006	0.06	<0.1	0.5	0.03	0.07	149	0.2	<0.02	1.8	0.60	<0.1	<0.02	0.08	5.0	0.2	<0.05	<0.1	0.82	4.9
552019	Soil			0.008	0.11	<0.1	0.5	0.03	0.06	154	<0.1	0.02	2.0	0.45	<0.1	<0.02	0.08	10.4	0.3	<0.05	<0.1	0.41	2.9
552020	Soil			0.010	0.06	<0.1	0.5	0.03	0.07	81	0.2	<0.02	1.5	0.48	<0.1	<0.02	0.09	6.4	0.2	<0.05	<0.1	0.48	3.0
552021	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552022	Soil			0.012	0.07	<0.1	1.3	0.07	0.20	120	0.9	<0.02	0.7	0.51	<0.1	<0.02	0.05	4.5	<0.1	<0.05	0.1	7.00	2.1
552023	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552024	Soil			0.006	0.09	<0.1	0.3	0.04	0.09	137	0.2	<0.02	0.6	0.32	<0.1	<0.02	0.04	6.0	0.1	<0.05	<0.1	0.31	1.1
552025	Soil			0.008	0.07	<0.1	0.4	0.03	0.07	120	0.2	<0.02	1.2	0.21	<0.1	<0.02	0.08	4.2	0.2	<0.05	<0.1	0.61	2.2
552026	Soil			0.007	0.09	<0.1	0.5	0.06	0.07	187	0.3	<0.02	0.8	0.23	<0.1	<0.02	0.08	6.1	0.1	<0.05	<0.1	0.58	2.0
552027	Soil			0.011	0.10	0.3	3.2	0.07	0.14	118	0.9	0.03	3.8	1.60	<0.1	<0.02	0.43	9.9	0.1	<0.05	0.2	8.78	12.2
552028	Soil			0.010	0.08	0.2	0.3	0.05	0.05	85	0.3	<0.02	2.7	0.45	<0.1	<0.02	0.22	8.6	0.3	<0.05	<0.1	1.08	5.1
552029	Soil			0.010	0.16	0.1	0.5	0.11	0.14	172	0.3	<0.02	1.9	0.55	<0.1	<0.02	0.21	6.5	0.2	<0.05	<0.1	2.54	7.6
552030	Soil			0.006	0.06	<0.1	0.3	0.05	0.06	75	0.2	<0.02	3.0	0.27	<0.1	<0.02	0.38	5.0	0.3	<0.05	<0.1	1.17	4.4
552031	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552032	Soil			0.011	0.05	0.2	0.6	0.05	0.13	153	0.3	0.04	1.6	0.49	<0.1	<0.02	0.24	4.4	0.3	<0.05	0.4	0.93	2.0
552033	Soil			0.007	0.13	0.1	0.6	0.12	0.14	262	0.4	0.04	1.3	1.13	<0.1	<0.02	0.16	11.9	0.2	<0.05	0.1	23.83	37.3
552034	Soil			0.008	0.09	0.1	0.2	0.05	0.07	80	0.2	<0.02	2.2	0.49	<0.1	<0.02	0.26	10.4	0.3	<0.05	0.2	1.31	4.3
552035	Soil			0.008	0.08	0.1	0.1	0.06	0.04	80	0.1	<0.02	2.7	0.47	<0.1	<0.02	0.16	8.2	0.3	<0.05	<0.1	1.23	6.0
552036	Soil			0.010	0.08	0.2	1.1	0.10	0.14	155	0.6	<0.02	2.2	0.48	<0.1	<0.02	0.27	11.2	0.2	<0.05	0.2	42.98	28.8
552037	Soil			0.017	0.07	<0.1	0.3	0.12	0.21	166	1.8	<0.02	0.4	0.12	<0.1	<0.02	0.07	3.0	0.1	<0.05	0.4	13.86	3.6
552038	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552039	Soil			0.009	0.06	0.2	0.6	0.05	0.18	273	0.5	<0.02	1.2	0.40	<0.1	<0.02	0.16	4.2	0.1	<0.05	0.1	1.97	2.9
552040	Soil			0.007	0.09	0.2	1.9	0.06	0.09	78	0.5	<0.02	3.0	1.51	<0.1	<0.02	0.43	28.7	0.2	<0.05	0.5	3.49	8.8
552041	Soil			0.009	0.06	0.2	0.3	0.05	0.08	83	0.3	<0.02	2.4	0.50	<0.1	<0.02	0.19	6.2	0.2	<0.05	<0.1	0.87	3.7
552042	Soil			0.008	0.06	0.2	1.6	0.06	0.03	46	0.1	<0.02	4.5	0.48	<0.1	<0.02	0.23	15.0	0.2	<0.05	<0.1	1.65	5.5
552043	Soil			0.008	0.11	0.1	0.1	0.13	0.08	151	<0.1	<0.02	2.0	0.45	<0.1	<0.02	0.09	12.4	0.2	<0.05	<0.1	0.43	2.0

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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 9 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
				ppm	ppb	ppm	ppm	ppb	ppb
				0.02	1	0.1	0.1	10	2
552014	Soil			<0.02	<1	0.1	4.6	<10	<2
552015	Soil			<0.02	<1	<0.1	0.3	<10	<2
552016	Soil			<0.02	<1	0.4	1.9	<10	<2
552017	Soil			<0.02	<1	0.1	2.1	<10	<2
552018	Soil			<0.02	<1	0.2	0.5	<10	<2
552019	Soil			<0.02	<1	<0.1	0.3	<10	<2
552020	Soil			<0.02	<1	<0.1	0.3	<10	<2
552021	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552022	Soil			<0.02	10	<0.1	1.1	<10	<2
552023	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552024	Soil			<0.02	<1	<0.1	0.4	<10	<2
552025	Soil			<0.02	<1	<0.1	0.4	<10	<2
552026	Soil			<0.02	<1	<0.1	0.2	<10	<2
552027	Soil			<0.02	1	0.4	9.8	<10	<2
552028	Soil			<0.02	<1	<0.1	1.7	<10	<2
552029	Soil			<0.02	<1	<0.1	1.8	<10	<2
552030	Soil			<0.02	<1	<0.1	0.8	<10	<2
552031	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552032	Soil			<0.02	<1	<0.1	1.3	<10	<2
552033	Soil			<0.02	<1	0.4	1.6	<10	<2
552034	Soil			<0.02	1	<0.1	1.4	<10	<2
552035	Soil			<0.02	<1	<0.1	0.8	<10	<2
552036	Soil			<0.02	<1	0.6	2.1	<10	<2
552037	Soil			<0.02	<1	0.2	0.4	<10	<2
552038	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552039	Soil			<0.02	<1	<0.1	1.4	<10	<2
552040	Soil			<0.02	<1	0.2	6.7	<10	<2
552041	Soil			<0.02	<1	0.1	2.0	<10	<2
552042	Soil			<0.02	<1	0.2	6.7	<10	<2
552043	Soil			<0.02	<1	<0.1	0.4	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 10 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
552044	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552045	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552046	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552047	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552048	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552049	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552050	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552160	Soil	0.63	42.25	5.43	33.8	699	4.3	4.0	421	0.81	<0.1	0.1	<0.2	<0.1	29.3	0.27	0.05	0.05	12	0.37	0.158
552161	Soil	1.54	101.7	6.69	66.9	155	6.6	15.8	1715	2.06	<0.1	0.1	2.1	0.1	40.9	0.10	0.11	0.19	77	0.72	0.163
552162	Soil	2.71	7.52	4.24	29.3	433	3.7	2.3	345	0.26	<0.1	<0.1	1.1	<0.1	36.4	0.10	0.08	0.03	7	0.51	0.137
552163	Soil	5.09	8.23	3.58	11.8	313	6.0	3.1	259	0.21	<0.1	<0.1	1.2	<0.1	59.3	0.75	0.15	0.03	5	1.04	0.101
552164	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552166	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552168	Soil	3.02	161.2	3.88	71.4	350	16.8	21.5	930	3.67	1.3	1.9	9.6	0.2	104.4	0.23	0.16	0.25	136	1.27	0.211
552169	Soil	1.94	300.0	3.22	11.9	864	7.1	2.3	576	0.53	<0.1	2.2	5.2	0.2	237.1	0.63	0.94	0.12	14	2.49	0.158
552170	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552171	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552172	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552173	Soil	7.51	11.13	6.76	29.1	92	5.6	12.4	2067	1.83	0.5	0.2	1.9	0.2	27.3	0.27	0.11	0.07	60	0.45	0.096
552174	Soil	0.80	9.25	12.45	22.0	268	2.7	1.7	256	0.45	0.3	0.2	0.9	<0.1	16.8	0.21	0.13	0.10	11	0.24	0.082
552175	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552176	Soil	3.69	21.15	7.07	28.4	119	3.2	2.3	267	0.42	0.2	1.7	0.9	0.3	72.9	0.53	0.13	0.09	11	1.01	0.097
552177	Soil	3.63	103.9	3.88	58.6	102	9.6	12.2	584	2.47	0.7	9.2	5.7	1.3	73.2	0.21	0.12	0.10	67	1.07	0.150
552178	Soil	1.79	33.01	4.74	38.0	133	4.0	4.9	999	0.82	0.5	2.0	2.0	0.3	38.0	0.16	0.10	0.07	20	0.71	0.119
552179	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552180	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552181	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552182	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 10 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
552044	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552045	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552046	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552047	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552048	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552049	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552050	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552160	Soil	2.0	9.9	0.19	394.8	0.004	1	0.50	0.009	0.12	0.1	0.4	0.03	0.09	122	0.5	<0.02	1.1	0.46	<0.1	<0.02
552161	Soil	1.9	5.5	0.76	53.5	0.091	3	1.05	0.005	0.32	0.3	1.2	0.04	0.10	141	0.4	0.15	3.0	1.35	<0.1	<0.02
552162	Soil	0.6	3.0	0.09	234.5	0.014	3	0.16	0.007	0.12	1.7	0.6	0.03	0.13	206	0.8	<0.02	0.7	0.33	<0.1	<0.02
552163	Soil	<0.5	4.2	0.12	162.2	0.006	3	0.09	0.010	0.08	1.9	0.5	<0.02	0.16	153	<0.1	0.02	0.2	0.17	<0.1	0.02
552164	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552166	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552168	Soil	7.9	48.7	1.62	114.2	0.047	3	1.82	0.002	0.21	0.2	4.1	0.08	0.07	83	0.8	0.12	6.1	1.27	<0.1	<0.02
552169	Soil	14.6	6.3	0.21	124.0	0.006	7	0.62	0.009	0.04	0.1	1.3	0.12	0.25	181	2.8	<0.02	0.7	0.22	0.2	<0.02
552170	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552171	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552172	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552173	Soil	1.0	17.9	0.38	165.9	0.050	1	0.53	0.006	0.12	0.4	1.2	0.04	0.07	109	0.1	0.02	3.3	0.78	<0.1	<0.02
552174	Soil	1.3	5.3	0.08	127.5	0.010	2	0.28	0.006	0.08	0.1	0.3	0.03	0.06	88	0.2	<0.02	1.2	0.48	<0.1	<0.02
552175	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552176	Soil	1.6	3.5	0.11	74.0	0.012	2	0.23	0.005	0.10	0.2	0.6	<0.02	0.17	156	0.5	<0.02	0.7	0.31	<0.1	<0.02
552177	Soil	9.9	19.4	0.85	105.2	0.048	1	1.53	0.005	0.16	0.9	2.2	0.06	0.08	106	0.5	0.03	4.4	1.71	<0.1	<0.02
552178	Soil	2.1	8.4	0.23	154.3	0.019	2	0.44	0.005	0.10	0.3	0.8	0.08	0.12	240	0.3	0.03	1.4	0.49	<0.1	<0.02
552179	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552180	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552181	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552182	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 10 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
552044	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.69	12.79	6.01	17.8	410	4.1	3.1
552045	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.85	8.25	3.85	38.8	1186	2.2	0.7
552046	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.01	218.0	6.99	32.6	512	8.4	1.9
552047	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.14	9.55	2.53	25.4	123	1.8	0.3
552048	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.86	12.28	5.22	26.0	242	2.4	0.7
552049	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.85	8.42	8.05	36.6	1349	1.8	0.8
552050	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.25	682.0	5.32	13.1	253	3.7	2.2
552160	Soil	0.04	8.4	<0.1	<0.05	<0.1	1.57	4.3	<0.02	<1	<0.1	0.8	<10	<2	0.63	41.10	5.71	33.8	691	3.9	3.8
552161	Soil	0.22	33.2	<0.1	<0.05	0.2	2.44	4.2	<0.02	<1	<0.1	7.4	<10	<2	1.53	106.8	6.84	65.8	151	5.9	15.8
552162	Soil	0.07	8.3	<0.1	<0.05	<0.1	0.33	1.0	<0.02	<1	<0.1	<0.1	<10	<2	2.51	7.65	4.34	30.1	426	3.4	2.4
552163	Soil	0.05	4.5	<0.1	<0.05	0.3	0.28	0.7	<0.02	<1	<0.1	0.2	<10	<2	4.72	8.70	3.81	13.7	305	5.9	3.3
552164	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.12	6.72	3.78	56.6	595	1.9	2.4
552165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.09	9.58	7.25	34.0	369	2.0	1.7
552166	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.18	16.98	6.30	39.6	703	3.7	4.3
552167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.33	15.26	5.79	42.7	584	3.5	4.1
552168	Soil	0.22	31.2	0.2	<0.05	0.3	11.04	10.5	0.02	2	0.4	15.8	11	<2	2.84	178.1	4.06	77.0	386	17.7	22.6
552169	Soil	0.09	4.4	0.2	<0.05	0.4	13.60	5.4	<0.02	<1	0.2	1.2	<10	<2	1.92	295.2	3.37	11.6	845	7.0	2.5
552170	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.14	69.40	1.92	20.0	122	3.4	5.7
552171	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.74	40.72	4.16	31.9	123	3.1	8.8
552172	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	6.82	10.00	3.85	39.1	25	1.9	1.0
552173	Soil	0.28	19.7	0.2	<0.05	<0.1	0.71	2.0	<0.02	<1	<0.1	2.1	<10	<2	7.37	11.46	6.47	28.8	91	5.5	11.5
552174	Soil	0.11	6.0	0.2	<0.05	<0.1	0.53	2.4	<0.02	<1	<0.1	0.5	<10	<2	0.79	9.80	12.91	20.0	287	3.5	1.6
552175	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.93	12.06	5.26	19.6	134	4.2	3.9
552176	Soil	0.11	6.7	0.2	<0.05	0.1	1.12	2.1	<0.02	<1	<0.1	1.1	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552177	Soil	0.57	18.5	0.2	<0.05	0.2	6.97	12.8	<0.02	<1	0.5	12.2	<10	<2	3.27	102.2	3.60	52.7	107	9.6	12.0
552178	Soil	0.18	4.9	0.2	<0.05	<0.1	1.59	3.5	<0.02	<1	<0.1	2.3	<10	<2	1.68	33.63	4.53	34.4	114	4.4	4.4
552179	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.67	17.63	5.19	40.6	224	3.4	4.1
552180	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.21	6.93	3.25	42.8	324	1.4	0.8
552181	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.75	7.03	4.32	34.9	428	1.8	1.3
552182	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.90	11.38	3.44	26.8	170	1.7	0.4

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 10 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
552044	Soil	98	1.64	0.2	<0.1	40.4	<0.1	34.3	0.14	0.09	0.10	57	0.32	0.037	3.7	19.6	0.13	144.0	0.040	<20	0.47
552045	Soil	749	0.20	0.1	<0.1	0.9	<0.1	9.7	0.13	0.10	0.05	6	0.29	0.135	<0.5	5.4	0.07	51.8	0.008	<20	0.09
552046	Soil	2645	0.19	0.1	0.2	1.1	<0.1	120.6	1.53	0.34	0.08	10	2.35	0.098	3.9	4.1	0.11	291.4	0.004	<20	0.26
552047	Soil	67	0.06	0.2	<0.1	0.7	<0.1	18.7	0.18	0.07	0.06	<2	0.43	0.070	<0.5	3.3	0.08	72.2	0.001	<20	0.04
552048	Soil	128	0.08	0.1	<0.1	0.9	<0.1	11.0	0.18	0.04	0.05	<2	0.33	0.116	<0.5	3.6	0.07	70.2	0.002	<20	0.06
552049	Soil	276	0.11	0.2	<0.1	0.4	<0.1	22.9	0.37	0.08	0.07	<2	0.43	0.096	<0.5	3.0	0.04	131.8	0.003	<20	0.06
552050	Soil	306	0.28	0.2	0.3	0.9	<0.1	73.6	0.81	0.14	0.06	8	1.20	0.089	5.7	3.7	0.06	151.8	0.004	<20	0.24
552160	Soil	412	0.79	0.2	0.1	0.9	<0.1	30.6	0.33	0.05	0.08	13	0.36	0.121	2.3	9.1	0.18	375.0	0.002	<20	0.46
552161	Soil	1708	1.97	0.4	0.1	2.2	<0.1	38.2	0.18	0.08	0.19	75	0.70	0.164	2.0	5.1	0.76	48.9	0.064	<20	1.04
552162	Soil	341	0.22	<0.1	<0.1	0.5	<0.1	35.6	0.12	0.08	0.07	6	0.52	0.136	0.5	3.6	0.09	227.4	0.008	<20	0.14
552163	Soil	244	0.20	0.1	<0.1	<0.2	<0.1	60.1	0.82	0.08	0.05	5	1.04	0.106	0.5	4.4	0.12	162.5	0.005	<20	0.09
552164	Soil	3066	0.01	0.1	<0.1	0.8	<0.1	75.2	0.22	0.07	0.05	<2	1.21	0.171	<0.5	3.9	0.08	173.5	0.003	<20	0.07
552165	Soil	472	0.47	<0.1	<0.1	1.0	<0.1	34.2	1.12	0.08	0.06	12	0.38	0.104	0.8	4.7	0.05	108.6	0.005	<20	0.12
552166	Soil	738	0.75	0.4	<0.1	1.1	<0.1	58.8	0.22	0.14	0.09	27	0.61	0.111	1.0	9.4	0.24	106.3	0.024	<20	0.35
552167	Soil	1841	0.71	0.4	<0.1	0.8	<0.1	70.4	0.23	0.12	0.06	22	0.88	0.119	0.7	10.9	0.23	188.2	0.016	<20	0.25
552168	Soil	932	3.88	1.1	2.0	84.5	0.2	117.7	0.25	0.07	0.21	146	1.40	0.210	8.9	50.7	1.65	118.0	0.075	<20	1.93
552169	Soil	561	0.53	<0.1	2.1	4.2	<0.1	235.3	0.68	0.81	0.06	14	2.50	0.164	15.3	7.0	0.21	118.0	0.003	<20	0.61
552170	Soil	2635	4.50	0.4	0.4	2.5	<0.1	221.9	0.22	0.09	0.04	42	2.11	0.144	1.4	6.1	0.23	174.1	0.004	<20	0.17
552171	Soil	1897	2.02	0.4	0.3	1.4	<0.1	195.0	0.18	0.17	0.05	7	2.09	0.170	0.8	5.2	0.15	150.5	<0.001	<20	0.13
552172	Soil	1371	0.70	0.2	<0.1	1.2	<0.1	95.6	0.18	0.09	0.04	3	2.27	0.094	<0.5	4.9	0.18	173.2	0.001	<20	0.05
552173	Soil	1904	1.94	0.6	0.2	2.9	0.1	36.0	0.33	0.16	0.09	64	0.51	0.096	1.1	18.3	0.46	166.9	0.070	<20	0.57
552174	Soil	245	0.46	<0.1	0.1	67.3	<0.1	23.0	0.20	0.09	0.09	12	0.28	0.072	1.7	6.3	0.10	134.3	0.007	<20	0.30
552175	Soil	209	0.21	0.2	0.3	0.7	<0.1	70.5	0.33	0.11	0.05	6	0.75	0.108	0.8	8.2	0.13	63.6	0.008	<20	0.16
552176	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552177	Soil	519	2.62	0.9	8.5	9.6	1.2	82.1	0.20	0.11	0.10	73	1.05	0.140	10.1	18.5	0.86	98.6	0.068	<20	1.58
552178	Soil	936	0.84	0.4	2.0	11.3	0.1	43.9	0.14	0.09	0.06	21	0.74	0.114	2.3	8.6	0.27	145.9	0.020	<20	0.46
552179	Soil	198	0.65	0.3	0.5	2.9	<0.1	38.5	0.32	0.07	0.08	21	0.59	0.096	1.2	7.4	0.22	68.7	0.024	<20	0.34
552180	Soil	816	0.11	<0.1	<0.1	<0.2	<0.1	27.4	0.27	0.07	0.03	<2	0.82	0.127	<0.5	4.0	0.07	105.2	0.005	<20	0.06
552181	Soil	271	0.16	<0.1	<0.1	<0.2	<0.1	29.2	0.22	0.08	0.04	4	0.45	0.126	<0.5	5.0	0.07	119.0	0.007	<20	0.09
552182	Soil	203	0.07	<0.1	<0.1	0.2	<0.1	106.0	0.77	0.08	0.03	<2	1.16	0.093	<0.5	3.9	0.12	102.0	0.002	<20	0.06

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 10 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
552044	Soil			0.009	0.04	<0.1	0.5	0.03	0.02	16	<0.1	<0.02	3.6	0.27	<0.1	<0.02	0.20	5.7	0.4	<0.05	0.1	1.67	7.2
552045	Soil			0.009	0.11	<0.1	0.1	0.10	0.12	186	0.1	<0.02	0.4	0.44	<0.1	<0.02	0.07	9.4	0.2	<0.05	<0.1	0.19	0.6
552046	Soil			0.009	0.08	0.1	0.5	0.15	0.13	162	0.4	<0.02	0.5	0.24	<0.1	<0.02	0.05	4.3	0.2	<0.05	0.1	4.99	2.4
552047	Soil			0.010	0.06	<0.1	0.1	<0.02	0.13	99	<0.1	<0.02	0.1	0.07	<0.1	<0.02	0.04	2.7	0.2	<0.05	0.3	0.15	0.4
552048	Soil			0.008	0.10	<0.1	0.1	0.02	0.10	131	0.2	<0.02	0.1	0.31	<0.1	<0.02	0.02	7.1	0.1	<0.05	0.1	0.15	0.4
552049	Soil			0.009	0.11	<0.1	0.2	0.02	0.08	159	0.1	<0.02	0.3	0.23	<0.1	<0.02	0.03	6.2	0.2	<0.05	0.1	0.16	0.7
552050	Soil			0.007	0.06	0.2	0.3	0.02	0.16	94	0.5	<0.02	0.8	0.30	<0.1	<0.02	0.10	4.4	0.2	<0.05	0.2	6.58	5.4
552160	Soil			0.010	0.11	<0.1	<0.1	0.04	0.09	125	0.2	<0.02	1.2	0.43	<0.1	<0.02	0.09	8.3	0.1	<0.05	<0.1	1.67	4.1
552161	Soil			0.008	0.32	0.2	1.1	0.07	0.09	149	<0.1	0.14	3.0	1.33	<0.1	<0.02	0.15	34.9	0.1	<0.05	0.1	2.42	3.9
552162	Soil			0.007	0.10	1.8	<0.1	0.04	0.13	235	0.2	<0.02	0.6	0.31	<0.1	<0.02	0.07	9.0	0.1	<0.05	<0.1	0.32	0.8
552163	Soil			0.009	0.07	1.8	0.2	<0.02	0.16	168	0.2	<0.02	0.3	0.18	<0.1	<0.02	0.05	4.9	0.2	<0.05	0.1	0.31	0.6
552164	Soil			0.007	0.14	<0.1	0.2	0.06	0.14	258	0.2	<0.02	0.2	0.36	<0.1	<0.02	0.03	7.8	0.1	<0.05	0.1	0.16	0.4
552165	Soil			0.008	0.11	<0.1	0.1	0.05	0.10	140	0.2	<0.02	0.6	0.56	<0.1	<0.02	0.07	10.6	0.1	<0.05	<0.1	0.34	1.5
552166	Soil			0.008	0.08	0.1	0.7	0.07	0.12	290	0.2	<0.02	1.8	0.67	<0.1	<0.02	0.15	8.0	0.2	<0.05	0.1	0.66	1.5
552167	Soil			0.007	0.10	0.1	0.5	0.12	0.13	289	<0.1	<0.02	1.2	0.47	<0.1	<0.02	0.09	6.4	0.1	<0.05	<0.1	0.50	1.0
552168	Soil			0.008	0.21	0.1	4.6	0.09	0.07	62	0.8	0.09	6.0	1.31	<0.1	<0.02	0.19	31.3	0.2	<0.05	0.2	11.30	11.1
552169	Soil			0.009	0.04	<0.1	0.4	0.12	0.23	181	2.0	<0.02	0.7	0.20	0.2	<0.02	0.08	4.3	<0.1	<0.05	0.2	12.76	5.0
552170	Soil			0.022	0.06	<0.1	0.4	0.07	0.24	80	0.3	<0.02	0.6	0.18	<0.1	<0.02	0.04	4.5	<0.1	<0.05	<0.1	2.41	1.0
552171	Soil			0.027	0.09	<0.1	0.2	0.07	0.32	114	0.4	<0.02	0.2	0.10	<0.1	<0.02	0.03	3.3	0.1	<0.05	<0.1	1.39	0.6
552172	Soil			0.014	0.07	<0.1	<0.1	<0.02	0.23	125	0.3	<0.02	0.1	0.07	<0.1	<0.02	0.02	0.9	0.1	<0.05	0.1	0.28	0.3
552173	Soil			0.009	0.12	0.3	1.4	0.03	0.05	75	0.1	0.03	3.6	0.79	<0.1	<0.02	0.29	19.9	0.2	<0.05	0.1	0.95	2.0
552174	Soil			0.005	0.08	<0.1	0.2	<0.02	0.06	81	0.2	<0.02	1.2	0.45	<0.1	<0.02	0.13	5.2	0.2	<0.05	<0.1	0.68	2.9
552175	Soil			0.009	0.10	0.1	0.4	0.02	0.14	100	0.4	0.03	0.6	0.34	<0.1	<0.02	0.08	8.5	0.1	<0.05	0.1	0.57	1.1
552176	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552177	Soil			0.007	0.16	0.7	2.5	0.05	0.08	78	0.7	0.04	4.6	1.74	<0.1	<0.02	0.52	16.7	0.2	<0.05	0.3	6.99	12.1
552178	Soil			0.005	0.10	0.4	0.7	0.06	0.12	200	0.3	<0.02	1.6	0.43	<0.1	<0.02	0.20	4.6	<0.1	<0.05	<0.1	1.67	3.4
552179	Soil			0.007	0.09	0.4	0.7	<0.02	0.10	77	0.4	<0.02	1.7	0.42	<0.1	<0.02	0.26	4.6	0.1	<0.05	0.1	0.78	1.8
552180	Soil			0.005	0.12	<0.1	0.5	0.04	0.13	210	0.2	0.03	0.3	0.24	<0.1	<0.02	0.03	3.6	<0.1	<0.05	<0.1	0.16	0.4
552181	Soil			0.008	0.13	<0.1	0.5	0.02	0.12	148	<0.1	<0.02	0.4	0.31	<0.1	<0.02	0.07	6.2	0.1	<0.05	<0.1	0.23	0.7
552182	Soil			0.005	0.08	<0.1	0.3	<0.02	0.14	139	0.4	<0.02	0.1	0.12	<0.1	<0.02	0.03	3.0	<0.1	<0.05	<0.1	0.43	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

Project: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 10 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	Unit	MDL	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
				ppm	ppb	ppm	ppm	ppb	ppb
				0.02	1	0.1	0.1	10	2
552044	Soil			<0.02	<1	<0.1	0.8	<10	4
552045	Soil			<0.02	1	<0.1	0.3	<10	<2
552046	Soil			<0.02	<1	0.1	0.3	<10	<2
552047	Soil			<0.02	<1	<0.1	0.2	<10	<2
552048	Soil			<0.02	<1	<0.1	0.1	<10	<2
552049	Soil			<0.02	<1	<0.1	0.2	<10	<2
552050	Soil			<0.02	<1	0.2	0.7	<10	<2
552160	Soil			<0.02	<1	0.2	0.8	<10	<2
552161	Soil			<0.02	<1	<0.1	6.4	<10	<2
552162	Soil			<0.02	<1	<0.1	0.3	<10	<2
552163	Soil			<0.02	<1	<0.1	0.3	<10	<2
552164	Soil			<0.02	<1	<0.1	0.2	<10	<2
552165	Soil			<0.02	<1	<0.1	0.2	<10	<2
552166	Soil			<0.02	<1	<0.1	1.6	<10	<2
552167	Soil			<0.02	1	<0.1	1.2	<10	<2
552168	Soil			<0.02	1	0.4	16.1	11	4
552169	Soil			<0.02	<1	0.4	1.1	<10	<2
552170	Soil			<0.02	<1	<0.1	1.3	<10	<2
552171	Soil			<0.02	<1	<0.1	0.2	<10	<2
552172	Soil			<0.02	<1	<0.1	0.3	<10	2
552173	Soil			0.03	<1	<0.1	2.5	<10	4
552174	Soil			<0.02	1	0.2	0.6	<10	<2
552175	Soil			<0.02	2	0.1	0.4	<10	2
552176	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552177	Soil			<0.02	<1	0.4	12.6	<10	<2
552178	Soil			<0.02	2	0.2	2.4	<10	3
552179	Soil			<0.02	<1	<0.1	2.1	<10	<2
552180	Soil			<0.02	1	0.1	0.2	<10	<2
552181	Soil			<0.02	3	0.1	0.3	<10	2
552182	Soil			<0.02	<1	<0.1	<0.1	<10	3



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 11 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
552183	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552184	Soil	1.30	31.09	7.91	16.9	412	2.8	2.6	1163	0.29	0.3	0.3	0.8	0.2	350.1	0.73	0.35	0.14	8	2.15	0.207
552185	Soil	0.96	35.81	13.46	12.2	217	2.8	1.5	451	0.33	0.4	0.3	1.3	0.2	326.6	0.79	0.27	0.10	9	1.96	0.179
552186	Soil	0.64	9.75	5.40	27.3	751	1.8	1.6	59	0.48	0.5	<0.1	0.9	<0.1	51.7	0.53	0.11	0.07	12	0.31	0.137
552187	Soil	1.00	6.40	3.56	42.3	1160	1.8	1.6	817	0.23	0.3	<0.1	3.8	<0.1	23.6	0.17	0.07	0.04	6	0.40	0.152
552188	Soil	0.64	5.04	2.09	12.8	107	0.9	0.3	57	0.06	0.1	<0.1	0.2	<0.1	79.7	0.08	0.06	0.03	<2	0.50	0.085
552189	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552190	Soil	1.03	6.88	5.35	39.9	128	1.1	0.6	133	0.18	0.2	<0.1	1.0	<0.1	214.0	0.24	0.08	0.05	5	0.89	0.104
552191	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552192	Soil	2.10	9.31	4.38	32.5	542	1.6	1.6	356	0.28	0.2	<0.1	0.3	<0.1	21.0	0.36	0.11	0.04	7	0.50	0.121
552193	Soil	1.44	63.90	5.54	47.3	634	4.2	3.4	3791	0.40	0.4	0.2	0.8	<0.1	89.5	0.48	0.17	0.04	5	1.68	0.152
552194	Soil	1.11	7.06	4.07	23.2	186	1.0	0.4	332	0.07	0.3	<0.1	0.8	<0.1	10.6	0.23	0.09	0.03	<2	0.38	0.118
552195	Soil	0.95	6.25	6.77	40.5	398	1.5	1.4	4048	0.25	<0.1	<0.1	1.4	<0.1	13.3	0.11	0.10	0.05	4	0.42	0.142
552196	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552197	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115086	Soil	0.23	12.11	7.63	18.3	471	6.0	4.9	60	0.57	<0.1	<0.1	17.8	<0.1	27.6	0.21	0.06	0.14	16	0.21	0.061



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 11 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
552183	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
552184	Soil	4.0	2.7	0.16	143.6	0.005	2	0.40	0.005	0.11	0.2	1.0	0.07	0.17	194	0.3	<0.02	0.8	0.50	0.1	<0.02
552185	Soil	2.1	2.8	0.14	106.1	0.006	2	0.34	0.008	0.09	0.1	1.0	0.04	0.23	159	0.4	<0.02	0.8	0.63	<0.1	0.03
552186	Soil	0.8	4.3	0.05	114.6	0.006	<1	0.24	0.006	0.08	<0.1	0.4	<0.02	0.11	134	0.2	<0.02	0.9	0.39	<0.1	<0.02
552187	Soil	<0.5	2.8	0.08	98.5	0.009	<1	0.16	0.005	0.15	<0.1	0.5	0.08	0.11	193	0.2	<0.02	0.6	0.83	<0.1	<0.02
552188	Soil	<0.5	2.0	0.05	32.5	0.002	1	0.03	0.005	0.07	<0.1	0.6	<0.02	0.16	104	0.2	<0.02	0.1	0.11	<0.1	<0.02
552189	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552190	Soil	<0.5	1.9	0.06	115.7	0.007	3	0.07	0.005	0.10	<0.1	0.4	0.02	0.13	177	<0.1	<0.02	0.3	0.40	<0.1	<0.02
552191	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552192	Soil	<0.5	3.0	0.07	52.5	0.008	<1	0.10	0.008	0.10	<0.1	0.6	0.04	0.11	245	0.1	<0.02	0.4	0.41	<0.1	<0.02
552193	Soil	4.1	4.0	0.13	227.4	0.006	3	0.36	0.007	0.08	<0.1	1.0	0.10	0.14	232	0.1	<0.02	0.4	0.47	0.1	<0.02
552194	Soil	<0.5	1.0	0.07	80.1	0.002	<1	0.05	0.008	0.11	<0.1	0.3	0.04	0.13	146	<0.1	<0.02	0.1	0.27	<0.1	<0.02
552195	Soil	0.6	2.8	0.08	135.4	0.012	<1	0.12	0.007	0.15	<0.1	0.5	0.16	0.10	184	0.2	<0.02	0.5	0.46	<0.1	<0.02
552196	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552197	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1115086	Soil	1.3	25.1	0.22	171.1	0.005	<1	0.39	0.004	0.03	<0.1	0.2	<0.02	0.04	43	0.1	<0.02	2.0	0.73	<0.1	<0.02



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 11 of 11 Part 3

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
552183	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.74	48.35	4.69	8.4	482	3.3	3.0	
552184	Soil	0.09	9.9	0.2	<0.05	0.3	3.91	5.2	<0.02	2	<0.1	0.7	<10	<2	1.23	32.75	13.51	16.2	465	2.7	2.5
552185	Soil	0.13	7.7	0.2	<0.05	0.4	2.22	2.7	<0.02	<1	0.2	0.6	<10	<2	0.92	39.04	13.03	11.7	205	3.1	1.5
552186	Soil	0.06	4.8	0.1	<0.05	<0.1	0.39	1.5	<0.02	<1	0.1	0.2	<10	<2	0.72	10.43	5.41	27.9	731	2.4	1.7
552187	Soil	0.05	11.7	<0.1	<0.05	<0.1	0.20	0.6	<0.02	<1	<0.1	0.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552188	Soil	0.04	4.0	<0.1	<0.05	0.2	0.09	0.2	<0.02	<1	<0.1	<0.1	<10	<2	0.79	5.51	2.21	12.7	103	1.2	0.4
552189	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.80	14.88	2.50	26.4	53	1.5	0.5	
552190	Soil	0.06	4.8	<0.1	<0.05	0.2	0.18	0.6	<0.02	<1	<0.1	0.2	<10	<2	1.03	7.41	5.72	38.5	129	1.5	0.6
552191	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	5.61	15.83	5.03	27.2	154	2.3	2.0	
552192	Soil	0.04	8.2	0.1	<0.05	<0.1	0.24	0.7	<0.02	<1	<0.1	0.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552193	Soil	0.05	6.0	<0.1	<0.05	0.2	5.03	11.0	<0.02	<1	<0.1	0.4	<10	<2	1.30	63.88	5.11	41.9	562	4.3	3.2
552194	Soil	0.03	6.4	<0.1	<0.05	0.1	0.09	0.5	<0.02	<1	<0.1	0.1	<10	<2	1.35	8.83	4.01	23.5	189	1.1	0.6
552195	Soil	0.08	9.1	0.1	<0.05	<0.1	0.27	1.1	<0.02	<1	<0.1	0.2	<10	<2	1.22	7.34	7.32	44.5	436	1.7	1.5
552196	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.60	12.13	9.81	32.9	817	2.2	1.4	
552197	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.88	8.66	5.30	73.9	327	1.7	1.2	
1115086	Soil	0.03	3.7	0.1	<0.05	<0.1	0.87	2.7	<0.02	<1	<0.1	1.8	<10	<2	0.21	12.03	6.93	19.9	407	6.0	4.9



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 11 of 11 Part 4

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
552183	Soil	892	0.18	0.3	0.3	0.3	<0.1	308.6	0.87	0.36	0.03	13	2.10	0.108	4.7	5.2	0.16	158.6	0.002	<20	0.43
552184	Soil	1160	0.28	0.9	0.6	<0.2	0.1	397.1	0.97	0.45	0.13	9	2.12	0.192	5.4	4.3	0.18	202.4	0.004	<20	0.40
552185	Soil	465	0.33	0.5	0.3	<0.2	0.1	337.5	0.72	0.30	0.07	9	1.99	0.178	2.2	5.5	0.17	113.7	0.005	<20	0.37
552186	Soil	67	0.44	0.6	<0.1	<0.2	<0.1	61.1	0.61	0.08	0.04	12	0.34	0.126	1.0	6.2	0.07	122.5	0.002	<20	0.27
552187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552188	Soil	61	0.07	0.3	<0.1	<0.2	<0.1	89.0	0.09	0.05	<0.02	<2	0.54	0.091	<0.5	4.6	0.06	34.3	0.002	<20	0.04
552189	Soil	126	0.09	<0.1	<0.1	0.8	<0.1	419.4	0.07	0.07	<0.02	<2	2.00	0.062	<0.5	4.8	0.17	70.0	0.001	<20	0.05
552190	Soil	137	0.18	0.4	<0.1	<0.2	<0.1	223.5	0.27	0.08	0.04	4	0.93	0.108	<0.5	4.6	0.07	112.2	0.008	<20	0.08
552191	Soil	120	0.20	0.4	0.7	<0.2	<0.1	65.4	0.55	0.10	0.03	5	0.72	0.084	1.1	5.2	0.10	59.6	0.009	<20	0.16
552192	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552193	Soil	3857	0.39	0.2	0.3	0.4	<0.1	96.0	0.48	0.14	0.03	8	1.68	0.142	3.8	6.2	0.14	213.4	0.004	<20	0.36
552194	Soil	382	0.09	0.3	<0.1	<0.2	<0.1	12.6	0.30	0.07	<0.02	<2	0.43	0.122	<0.5	4.2	0.08	89.6	0.004	<20	0.06
552195	Soil	4230	0.26	<0.1	<0.1	<0.2	<0.1	19.7	0.14	0.12	0.05	7	0.51	0.149	0.8	6.1	0.09	145.9	0.012	<20	0.14
552196	Soil	239	0.15	0.5	<0.1	<0.2	<0.1	29.4	0.31	0.11	0.05	3	0.38	0.096	0.5	5.0	0.06	180.7	0.008	<20	0.10
552197	Soil	954	0.18	0.1	<0.1	<0.2	<0.1	15.1	0.17	0.07	0.02	4	0.31	0.172	<0.5	4.9	0.07	118.0	0.005	<20	0.13
1115086	Soil	76	0.63	0.1	<0.1	5.0	<0.1	36.3	0.21	0.05	0.13	20	0.24	0.050	1.5	26.4	0.27	173.0	0.009	<20	0.48



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 11 of 11 Part 5

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	
Unit	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	
552183	Soil	0.008	0.10	<0.1	0.3	0.05	0.22	128	0.8	0.05	0.4	0.09	0.4	<0.02	0.05	3.5	<0.1	<0.05	0.3	4.55	5.1
552184	Soil	0.005	0.11	0.2	0.6	0.10	0.17	309	0.5	0.11	0.8	0.54	0.2	<0.02	0.09	9.3	0.2	<0.05	0.1	4.13	6.3
552185	Soil	0.007	0.09	<0.1	0.7	0.03	0.22	126	0.7	0.03	0.9	0.52	<0.1	<0.02	0.13	6.5	0.2	<0.05	0.2	2.05	2.3
552186	Soil	0.005	0.08	<0.1	0.2	<0.02	0.11	144	0.3	<0.02	1.1	0.33	<0.1	<0.02	0.08	4.5	0.2	<0.05	<0.1	0.46	1.4
552187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552188	Soil	0.005	0.07	<0.1	0.3	<0.02	0.16	96	0.3	<0.02	0.1	0.12	<0.1	<0.02	<0.02	3.8	<0.1	<0.05	<0.1	0.11	0.2
552189	Soil	0.010	0.05	<0.1	0.2	<0.02	0.50	64	0.7	<0.02	0.1	0.07	<0.1	<0.02	0.02	1.9	<0.1	<0.05	<0.1	0.18	0.1
552190	Soil	0.005	0.11	<0.1	0.5	<0.02	0.12	185	0.3	0.03	0.3	0.37	<0.1	<0.02	0.07	4.9	0.1	<0.05	0.2	0.19	0.6
552191	Soil	0.006	0.09	0.2	0.5	<0.02	0.14	130	0.3	<0.02	0.6	0.21	<0.1	<0.02	0.12	4.8	0.1	<0.05	0.1	0.69	1.5
552192	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552193	Soil	0.008	0.08	<0.1	0.4	0.09	0.14	236	0.6	<0.02	0.6	0.41	<0.1	<0.02	0.04	5.4	<0.1	<0.05	<0.1	4.81	9.9
552194	Soil	0.006	0.11	<0.1	0.7	0.04	0.12	118	0.4	<0.02	0.2	0.31	<0.1	<0.02	0.04	7.1	0.1	<0.05	<0.1	0.13	0.4
552195	Soil	0.006	0.15	<0.1	0.4	0.16	0.10	169	0.1	<0.02	0.8	0.48	<0.1	<0.02	0.08	9.9	0.2	<0.05	<0.1	0.40	1.5
552196	Soil	0.009	0.09	<0.1	0.6	<0.02	0.09	164	0.4	<0.02	0.3	0.37	<0.1	<0.02	0.06	9.0	0.1	<0.05	0.1	0.21	0.8
552197	Soil	0.005	0.16	<0.1	0.4	0.07	0.12	228	0.2	<0.02	0.4	0.46	<0.1	<0.02	0.04	15.8	<0.1	<0.05	<0.1	0.17	0.5
1115086	Soil	0.003	0.03	<0.1	0.3	<0.02	0.04	32	0.2	<0.02	2.2	0.71	<0.1	<0.02	0.06	3.9	0.1	<0.05	<0.1	0.91	3.0



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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 11 of 11 Part 6

CERTIFICATE OF ANALYSIS

SMI11000351.1

Method	Analyte	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
552183	Soil	<0.02	2	<0.1	0.3	<10	3
552184	Soil	<0.02	<1	0.2	0.5	<10	<2
552185	Soil	<0.02	2	<0.1	1.1	<10	3
552186	Soil	<0.02	<1	0.1	0.3	<10	<2
552187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552188	Soil	<0.02	<1	<0.1	0.1	<10	5
552189	Soil	<0.02	<1	<0.1	0.1	<10	<2
552190	Soil	<0.02	<1	<0.1	0.2	<10	<2
552191	Soil	<0.02	<1	<0.1	0.6	<10	2
552192	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552193	Soil	<0.02	<1	0.1	0.5	<10	3
552194	Soil	<0.02	1	0.1	0.1	<10	4
552195	Soil	<0.02	<1	<0.1	0.2	<10	<2
552196	Soil	<0.02	1	<0.1	0.2	<10	2
552197	Soil	<0.02	<1	<0.1	0.2	<10	3
1115086	Soil	<0.02	<1	0.2	2.1	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 1 of 4 Part 1

QUALITY CONTROL REPORT

SMI11000351.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
540920	Soil	0.71	10.08	10.15	39.6	1484	3.7	2.0	276	0.49	<0.1	0.1	2.2	<0.1	19.2	0.33	0.13	0.24	13	0.17	0.094
REP 540920	QC																				
1115051	Soil	0.42	8.01	8.51	19.6	254	2.4	0.8	83	0.25	<0.1	0.1	8.3	<0.1	36.9	0.34	0.08	0.13	8	0.17	0.052
REP 1115051	QC	0.37	7.87	8.03	17.3	227	2.0	0.8	79	0.23	0.4	0.1	11.9	<0.1	36.0	0.31	0.11	0.10	7	0.17	0.049
1115134	Soil	1.07	7.45	2.68	11.0	279	2.3	0.6	45	0.25	<0.1	0.1	1.4	<0.1	22.6	0.27	0.06	0.04	8	0.27	0.038
REP 1115134	QC	1.08	7.67	2.95	12.5	301	2.6	1.0	49	0.29	<0.1	0.1	<0.2	<0.1	23.7	0.32	0.09	0.05	8	0.29	0.041
541918	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541918	QC																				
541922	Soil	1.08	7.68	9.11	24.0	1272	2.6	1.4	316	0.54	1.8	0.1	1.5	<0.1	19.6	0.22	0.08	0.16	14	0.17	0.051
REP 541922	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541929	Soil	1.03	70.94	4.63	9.9	402	6.5	2.9	214	0.57	<0.1	0.2	1.1	<0.1	96.1	0.70	0.20	0.07	18	1.91	0.083
REP 541929	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541934	Soil	0.81	8.00	8.69	17.5	575	3.0	3.4	812	1.02	0.8	0.1	0.7	<0.1	24.0	0.18	0.10	0.07	33	0.26	0.047
REP 541934	QC																				
541947	Soil	0.79	7.29	4.94	73.2	317	1.7	0.7	1051	0.07	0.5	<0.1	5.2	<0.1	36.8	0.16	0.13	0.18	<2	0.77	0.126
REP 541947	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540923	Soil	1.58	47.94	5.40	27.0	259	7.0	10.2	1542	0.65	0.3	0.2	1.5	<0.1	69.1	1.23	0.29	0.04	14	2.60	0.174
REP 540923	QC	1.49	48.05	5.13	26.4	264	6.6	10.6	1537	0.64	0.2	0.2	1.9	<0.1	68.8	1.20	0.29	0.04	14	2.59	0.170
540935	Soil	1.40	135.9	17.22	38.3	421	25.1	15.7	2589	2.44	1.9	0.4	1.1	0.2	42.4	0.81	0.24	0.19	91	1.70	0.067
REP 540935	QC																				
1115071	Soil	1.80	31.74	5.98	33.7	307	14.3	10.9	461	2.05	3.0	<0.1	0.8	0.1	19.4	0.26	0.16	0.10	77	0.67	0.068
REP 1115071	QC	1.85	32.02	6.10	34.2	292	15.1	10.6	453	2.10	2.3	<0.1	<0.2	0.1	19.5	0.26	0.17	0.16	77	0.66	0.066
1115073	Soil	1.00	177.7	3.55	66.5	694	25.2	19.7	837	3.88	3.3	0.7	3.8	0.2	44.5	0.37	0.15	0.10	134	1.45	0.149
REP 1115073	QC	0.96	173.8	3.43	63.1	694	25.1	19.2	828	3.78	3.7	0.6	5.4	0.2	43.2	0.35	0.16	0.09	132	1.41	0.143
1115088	Soil	0.25	12.47	5.11	16.6	1246	10.8	5.1	62	0.82	0.8	<0.1	7.2	<0.1	33.2	0.24	0.08	0.17	22	0.22	0.134
REP 1115088	QC																				
1115092	Soil	0.28	5.89	6.39	13.2	340	4.5	3.6	94	0.89	0.6	<0.1	16.6	<0.1	32.1	0.05	0.12	0.11	39	0.20	0.030
REP 1115092	QC	0.27	5.82	6.36	14.2	350	4.6	3.4	91	0.89	0.2	<0.1	9.1	<0.1	31.5	0.06	0.11	0.04	39	0.18	0.031

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 1 of 4 Part 2

QUALITY CONTROL REPORT

SMI11000351.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
Pulp Duplicates																					
540920	Soil	2.5	6.4	0.06	190.0	0.007	2	0.35	0.009	0.07	0.1	0.3	0.09	0.06	102	<0.1	<0.02	1.9	0.43	<0.1	<0.02
REP 540920	QC																				
1115051	Soil	4.1	3.4	0.04	215.5	0.009	2	0.25	0.010	0.05	<0.1	0.4	0.07	0.03	43	<0.1	<0.02	1.4	0.93	<0.1	<0.02
REP 1115051	QC	3.8	3.5	0.04	201.4	0.008	2	0.25	0.009	0.05	0.1	0.3	0.06	0.03	51	<0.1	<0.02	1.3	0.87	<0.1	<0.02
1115134	Soil	3.3	6.3	0.04	129.2	0.012	2	0.15	0.008	0.05	<0.1	0.6	0.02	0.04	67	<0.1	0.03	0.9	0.42	<0.1	<0.02
REP 1115134	QC	3.4	6.9	0.04	143.0	0.012	2	0.16	0.009	0.05	<0.1	0.6	0.03	0.05	71	<0.1	0.04	0.9	0.42	<0.1	<0.02
541918	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541918	QC																				
541922	Soil	4.0	6.5	0.07	154.2	0.008	<1	0.37	0.007	0.05	<0.1	0.2	0.04	0.03	85	0.2	<0.02	2.4	0.41	<0.1	<0.02
REP 541922	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541929	Soil	1.7	7.3	0.18	179.4	0.011	2	0.34	0.010	0.09	0.4	1.0	0.02	0.13	115	0.5	<0.02	1.3	0.29	<0.1	<0.02
REP 541929	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541934	Soil	1.6	11.4	0.12	199.8	0.031	<1	0.33	0.008	0.06	0.1	0.5	0.04	0.03	67	0.2	0.03	2.5	0.31	<0.1	<0.02
REP 541934	QC																				
541947	Soil	<0.5	3.6	0.07	200.9	0.003	3	0.06	0.008	0.10	<0.1	0.7	0.06	0.12	314	0.3	<0.02	0.2	0.19	<0.1	<0.02
REP 541947	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540923	Soil	1.5	12.5	0.24	138.0	0.010	4	0.37	0.007	0.12	<0.1	0.8	0.09	0.33	110	1.3	<0.02	1.0	3.46	<0.1	<0.02
REP 540923	QC	1.4	11.9	0.24	139.2	0.010	3	0.37	0.007	0.12	<0.1	0.7	0.08	0.34	107	1.2	<0.02	1.0	3.39	<0.1	<0.02
540935	Soil	2.6	74.8	1.38	95.0	0.063	2	1.66	<0.001	0.07	0.2	3.7	0.07	0.08	134	0.4	<0.02	5.7	7.10	<0.1	<0.02
REP 540935	QC																				
1115071	Soil	0.9	52.0	0.77	191.0	0.088	<1	1.03	0.006	0.06	0.3	2.3	0.06	0.09	250	0.2	<0.02	4.1	8.20	<0.1	<0.02
REP 1115071	QC	1.0	53.6	0.74	194.4	0.088	<1	0.99	0.006	0.05	0.2	1.8	0.06	0.09	233	0.2	0.05	4.2	8.46	0.1	<0.02
1115073	Soil	4.1	108.7	1.71	156.1	0.078	<1	2.38	0.001	0.17	0.2	6.7	0.12	0.11	41	1.0	0.02	6.4	29.32	<0.1	<0.02
REP 1115073	QC	4.0	106.7	1.71	157.9	0.076	<1	2.36	0.001	0.17	0.1	6.7	0.11	0.10	47	1.1	<0.02	6.5	29.08	<0.1	<0.02
1115088	Soil	2.2	26.7	0.25	132.4	0.002	<1	0.66	0.005	0.03	<0.1	0.1	0.03	0.05	68	0.2	<0.02	3.2	2.17	<0.1	<0.02
REP 1115088	QC																				
1115092	Soil	2.3	17.7	0.29	69.4	0.090	<1	0.59	0.004	0.02	0.1	1.4	0.03	<0.02	32	0.2	<0.02	4.6	0.49	<0.1	<0.02
REP 1115092	QC	2.3	17.0	0.29	70.5	0.086	<1	0.60	0.004	0.02	0.1	1.3	0.03	<0.02	50	0.3	<0.02	4.4	0.49	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 1 of 4 Part 3

QUALITY CONTROL REPORT

SMI11000351.1

Method	Analyte	Unit	MDL	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt	1F Mo	1F Cu	1F Pb	1F Zn	1F Ag	1F Ni	1F Co
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm
				0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	0.1
Pulp Duplicates																							
540920	Soil			0.08	8.3	0.2	<0.05	<0.1	0.76	4.6	<0.02	<1	0.2	0.4	<10	<2	0.60	9.74	10.39	40.4	1495	3.3	1.9
REP 540920	QC																0.63	10.34	10.49	41.4	1608	3.5	2.0
1115051	Soil			0.09	7.6	0.2	<0.05	<0.1	0.68	7.5	<0.02	<1	<0.1	0.3	<10	<2	0.30	6.88	8.06	17.3	204	1.9	0.7
REP 1115051	QC			0.10	7.5	0.2	<0.05	<0.1	0.63	7.1	<0.02	<1	0.1	0.4	<10	<2							
1115134	Soil			0.12	2.5	0.1	<0.05	<0.1	0.59	6.2	<0.02	<1	<0.1	0.3	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1115134	QC			0.13	3.0	0.1	<0.05	<0.1	0.62	6.4	<0.02	<1	<0.1	0.2	<10	<2							
541918	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	5.42	15.10	12.46	48.1	928	2.3	1.8
REP 541918	QC																5.77	14.28	11.97	48.0	963	2.2	1.9
541922	Soil			0.13	5.0	0.3	<0.05	<0.1	0.80	8.2	<0.02	2	<0.1	0.9	<10	<2	0.91	8.06	10.51	25.6	1229	2.3	1.1
REP 541922	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
541929	Soil			0.19	5.9	0.1	<0.05	0.3	2.96	3.3	<0.02	<1	<0.1	0.7	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541929	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
541934	Soil			0.20	4.9	0.3	<0.05	<0.1	1.02	3.2	<0.02	3	<0.1	0.5	<10	<2	0.67	8.11	8.96	17.8	518	3.0	3.5
REP 541934	QC																0.77	8.84	10.05	19.2	596	3.0	3.6
541947	Soil			<0.02	4.6	0.2	<0.05	<0.1	0.11	0.5	<0.02	1	<0.1	0.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541947	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
540923	Soil			0.17	11.6	0.1	<0.05	0.6	1.90	2.5	<0.02	<1	0.1	2.3	<10	<2	1.10	44.55	4.40	24.1	225	6.6	10.2
REP 540923	QC			0.17	11.2	<0.1	<0.05	0.6	1.84	2.3	<0.02	<1	<0.1	2.3	<10	<2							
540935	Soil			0.33	8.8	0.3	<0.05	0.1	2.54	5.1	<0.02	<1	0.2	14.3	<10	<2	1.11	121.3	14.16	33.7	380	23.5	14.0
REP 540935	QC																1.01	116.9	12.98	34.2	335	23.6	15.3
1115071	Soil			0.51	9.1	0.2	<0.05	0.2	0.85	2.0	<0.02	<1	<0.1	9.9	<10	<2	1.72	32.64	6.10	31.8	320	13.5	9.9
REP 1115071	QC			0.46	9.4	0.2	<0.05	<0.1	0.88	2.1	<0.02	<1	<0.1	9.6	<10	2							
1115073	Soil			0.48	27.7	0.1	<0.05	0.2	9.20	5.9	<0.02	<1	0.4	21.3	<10	2	0.98	178.5	3.58	63.4	634	23.9	17.4
REP 1115073	QC			0.48	27.7	0.2	<0.05	0.2	9.08	5.8	<0.02	<1	0.3	20.8	<10	<2							
1115088	Soil			0.05	12.6	0.2	<0.05	<0.1	1.54	4.2	<0.02	<1	0.2	1.9	<10	<2	0.19	11.20	4.44	15.2	1040	10.2	4.8
REP 1115088	QC																0.19	10.65	4.37	14.4	1013	9.4	4.4
1115092	Soil			0.43	3.5	0.3	<0.05	<0.1	1.55	4.4	<0.02	<1	<0.1	1.7	<10	<2	0.29	6.11	6.27	15.4	318	6.1	3.4
REP 1115092	QC			0.46	3.4	0.3	<0.05	0.1	1.53	4.4	<0.02	<1	<0.1	1.8	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 1 of 4 Part 4

QUALITY CONTROL REPORT

SMI11000351.1

Method	Analyte	1F Mn	1F Fe	1F As	1F U	1F Au	1F Th	1F Sr	1F Cd	1F Sb	1F Bi	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	
Pulp Duplicates																						
540920	Soil	273	0.46	0.4	<0.1	1.4	<0.1	18.1	0.35	0.09	0.11	11	0.16	0.088	1.9	6.1	0.06	184.0	0.003	<20	0.34	
REP 540920	QC	279	0.43	0.5	<0.1	3.8	<0.1	18.6	0.40	0.09	0.11	10	0.17	0.093	1.9	5.7	0.06	184.3	0.002	<20	0.34	
1115051	Soil	76	0.21	0.4	<0.1	1.1	<0.1	35.2	0.32	0.05	0.07	6	0.15	0.040	3.1	2.5	0.03	203.6	0.002	<20	0.22	
REP 1115051	QC																					
1115134	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
REP 1115134	QC																					
541918	Soil	348	0.51	0.4	<0.1	0.5	<0.1	66.7	1.37	0.12	0.11	12	0.55	0.093	1.2	3.6	0.08	211.9	0.011	<20	0.16	
REP 541918	QC	381	0.51	0.4	<0.1	1.5	<0.1	63.4	1.30	0.12	0.11	12	0.48	0.094	1.2	3.6	0.07	206.6	0.011	<20	0.15	
541922	Soil	307	0.52	0.5	0.1	1.1	<0.1	21.0	0.27	0.09	0.14	14	0.16	0.050	3.8	5.7	0.08	152.6	0.006	<20	0.38	
REP 541922	QC																					
541929	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
REP 541929	QC																					
541934	Soil	802	0.93	0.5	<0.1	3.4	<0.1	20.2	0.17	0.11	0.05	28	0.23	0.047	1.3	10.0	0.12	204.1	0.020	<20	0.32	
REP 541934	QC	826	0.84	0.7	<0.1	1.0	<0.1	21.7	0.16	0.10	0.11	26	0.25	0.052	1.4	9.6	0.13	222.2	0.020	<20	0.35	
541947	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
REP 541947	QC																					
540923	Soil	1511	0.57	0.5	0.2	0.3	<0.1	69.9	1.13	0.25	0.05	13	2.51	0.155	1.2	11.5	0.24	130.6	0.007	<20	0.35	
REP 540923	QC																					
540935	Soil	2361	2.19	1.0	0.3	1.1	0.1	44.1	0.77	0.16	0.13	87	1.59	0.062	2.1	63.4	1.20	87.6	0.063	<20	1.46	
REP 540935	QC	2307	2.34	1.2	0.3	<0.2	0.1	42.6	0.66	0.17	0.13	91	1.51	0.055	2.1	70.2	1.31	80.4	0.068	<20	1.58	
1115071	Soil	451	1.91	0.6	<0.1	<0.2	<0.1	22.3	0.28	0.15	0.16	71	0.68	0.075	0.8	44.3	0.68	215.4	0.086	<20	0.90	
REP 1115071	QC																					
1115073	Soil	818	3.70	1.0	0.7	2.2	0.1	50.0	0.41	0.13	0.10	127	1.36	0.162	4.1	98.9	1.64	164.9	0.090	<20	2.28	
REP 1115073	QC																					
1115088	Soil	63	0.73	0.4	<0.1	2.2	<0.1	39.2	0.21	0.07	0.14	22	0.25	0.090	1.9	24.5	0.23	116.0	0.002	<20	0.68	
REP 1115088	QC	61	0.71	0.4	<0.1	4.2	<0.1	38.5	0.20	0.07	0.14	21	0.24	0.089	1.9	23.3	0.22	115.3	0.002	<20	0.67	
1115092	Soil	105	0.92	0.2	<0.1	5.1	<0.1	45.8	0.06	0.13	0.13	43	0.26	0.035	2.3	19.7	0.32	76.9	0.119	<20	0.72	
REP 1115092	QC																					



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 1 of 4 Part 5

QUALITY CONTROL REPORT

SMI11000351.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F Ti	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Pulp Duplicates				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
540920	Soil			0.008	0.07	<0.1	0.2	0.05	0.06	125	0.1	<0.02	1.7	0.31	<0.1	<0.02	0.07	7.4	0.2	<0.05	<0.1	0.67	3.3
REP 540920	QC			0.008	0.07	<0.1	0.2	0.05	0.06	131	0.2	<0.02	1.7	0.31	<0.1	<0.02	0.11	7.7	0.3	<0.05	<0.1	0.71	3.2
1115051	Soil			0.008	0.04	<0.1	0.1	0.02	0.03	58	<0.1	<0.02	1.2	0.65	<0.1	<0.02	0.07	6.8	0.2	<0.05	<0.1	0.53	5.1
REP 1115051	QC																						
1115134	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1115134	QC																						
541918	Soil			0.012	0.08	<0.1	0.4	0.03	0.09	147	0.2	<0.02	1.2	1.48	<0.1	<0.02	0.20	11.2	0.2	<0.05	<0.1	0.58	2.2
REP 541918	QC			0.012	0.09	<0.1	0.4	0.03	0.09	144	0.2	<0.02	1.1	1.57	<0.1	<0.02	0.21	12.6	0.2	<0.05	<0.1	0.60	2.2
541922	Soil			0.007	0.05	<0.1	0.2	0.03	0.03	65	0.2	<0.02	2.5	0.31	<0.1	<0.02	0.11	3.9	0.2	<0.05	<0.1	0.79	6.8
REP 541922	QC																						
541929	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541929	QC																						
541934	Soil			0.008	0.06	<0.1	0.5	0.12	0.03	50	<0.1	<0.02	2.6	0.26	<0.1	<0.02	0.12	4.2	0.2	<0.05	<0.1	0.72	2.7
REP 541934	QC			0.009	0.06	<0.1	0.4	0.11	0.03	56	0.1	<0.02	2.5	0.26	<0.1	<0.02	0.12	4.4	0.2	<0.05	<0.1	0.71	2.7
541947	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541947	QC																						
540923	Soil			0.007	0.11	<0.1	0.6	0.07	0.31	93	1.5	<0.02	1.0	2.69	<0.1	<0.02	0.15	9.8	<0.1	<0.05	0.3	1.59	1.9
REP 540923	QC																						
540935	Soil			0.005	0.06	0.1	2.9	0.04	0.08	106	0.6	0.02	5.0	5.90	<0.1	<0.02	0.23	8.1	0.2	<0.05	0.1	2.33	4.2
REP 540935	QC			0.005	0.06	0.1	3.1	0.03	0.07	85	0.6	<0.02	5.2	5.91	<0.1	<0.02	0.21	7.3	0.3	<0.05	0.1	2.59	4.4
1115071	Soil			0.008	0.05	0.2	1.4	<0.02	0.09	223	<0.1	<0.02	3.9	7.86	<0.1	<0.02	0.44	9.2	0.2	<0.05	0.1	0.77	1.6
REP 1115071	QC																						
1115073	Soil			0.007	0.17	0.1	4.7	0.10	0.10	35	1.1	0.04	6.2	27.28	<0.1	<0.02	0.39	26.6	0.2	<0.05	0.2	9.16	5.6
REP 1115073	QC																						
1115088	Soil			0.006	0.03	<0.1	0.1	<0.02	0.04	43	0.1	<0.02	3.0	1.84	<0.1	<0.02	0.05	11.1	0.2	<0.05	<0.1	1.32	3.6
REP 1115088	QC			0.005	0.03	<0.1	0.2	0.02	0.04	42	0.1	<0.02	2.9	1.85	<0.1	<0.02	0.04	10.5	0.2	<0.05	<0.1	1.30	3.5
1115092	Soil			0.006	0.03	<0.1	1.4	0.02	0.02	45	0.2	0.04	4.4	0.53	<0.1	<0.02	0.45	3.6	0.3	<0.05	0.2	1.83	4.7
REP 1115092	QC																						



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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 1 of 4 Part 6

QUALITY CONTROL REPORT

SMI11000351.1

Method	1F	1F	1F	1F	1F	1F	
Analyte	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	1	0.1	0.1	10	2	
Pulp Duplicates							
540920	Soil	<0.02	<1	0.1	0.4	<10	<2
REP 540920	QC	<0.02	<1	0.1	0.4	<10	<2
1115051	Soil	<0.02	<1	<0.1	0.2	<10	<2
REP 1115051	QC						
1115134	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1115134	QC						
541918	Soil	<0.02	<1	<0.1	0.4	<10	<2
REP 541918	QC	<0.02	<1	<0.1	0.5	<10	<2
541922	Soil	<0.02	<1	0.1	0.9	<10	<2
REP 541922	QC						
541929	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541929	QC						
541934	Soil	<0.02	1	<0.1	0.6	<10	<2
REP 541934	QC	<0.02	1	<0.1	0.7	<10	2
541947	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541947	QC						
540923	Soil	<0.02	<1	0.2	2.4	<10	<2
REP 540923	QC						
540935	Soil	<0.02	<1	0.2	11.4	<10	<2
REP 540935	QC	<0.02	<1	0.3	12.8	<10	<2
1115071	Soil	<0.02	<1	<0.1	9.6	<10	<2
REP 1115071	QC						
1115073	Soil	<0.02	<1	0.3	20.5	<10	<2
REP 1115073	QC						
1115088	Soil	<0.02	2	0.2	1.9	<10	<2
REP 1115088	QC	<0.02	<1	0.2	1.7	<10	<2
1115092	Soil	<0.02	<1	<0.1	2.0	<10	<2
REP 1115092	QC						



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 4 Part 1

QUALITY CONTROL REPORT

SMI11000351.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001	
537911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537911	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537913	Soil	0.78	15.90	10.98	77.9	175	5.6	3.4	573	1.06	<0.1	<0.1	2.5	<0.1	28.9	0.38	0.18	<0.02	29	0.33	0.141	
REP 537913	QC																					
537930	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537930	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537934	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537934	QC																					
552014	Soil	0.98	16.88	6.43	57.0	466	7.7	5.9	962	1.95	2.6	0.4	4.4	0.4	29.8	0.14	0.32	0.10	43	0.43	0.126	
REP 552014	QC	0.89	16.58	6.63	55.6	519	8.6	5.8	946	1.82	2.7	0.4	13.9	0.4	31.3	0.12	0.32	0.09	40	0.46	0.129	
552034	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 552034	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552036	Soil	6.17	249.5	41.42	21.8	1655	9.6	5.5	2998	0.97	<0.1	2.3	3.2	0.1	198.4	1.14	0.37	0.25	18	2.50	0.128	
REP 552036	QC																					
552047	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 552047	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552177	Soil	3.63	103.9	3.88	58.6	102	9.6	12.2	584	2.47	0.7	9.2	5.7	1.3	73.2	0.21	0.12	0.10	67	1.07	0.150	
REP 552177	QC																					
552181	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 552181	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552185	Soil	0.96	35.81	13.46	12.2	217	2.8	1.5	451	0.33	0.4	0.3	1.3	0.2	326.6	0.79	0.27	0.10	9	1.96	0.179	
REP 552185	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																						
STD DS8	Standard	12.80	105.5	114.2	303.5	1726	35.7	7.2	616	2.39	26.1	2.4	112.0	5.9	66.8	2.31	5.49	6.36	39	0.72	0.079	
STD DS8	Standard	12.60	110.2	127.0	314.4	1773	38.8	7.5	589	2.50	26.1	2.9	120.8	7.1	58.9	2.18	5.03	6.15	41	0.67	0.076	
STD DS8	Standard	12.34	103.3	121.7	303.6	1772	37.4	7.3	582	2.39	25.0	2.6	104.5	5.8	58.6	2.12	5.19	5.94	41	0.69	0.072	
STD DS8	Standard	13.84	107.3	123.2	312.5	1747	36.3	7.4	611	2.42	27.1	2.9	109.4	7.2	62.7	2.23	5.39	6.60	41	0.74	0.076	
STD DS8	Standard	10.74	105.7	128.5	309.9	1864	37.0	7.0	590	2.37	23.5	2.7	111.5	5.9	53.8	2.23	5.14	6.54	39	0.65	0.079	
STD DS8	Standard	14.50	110.4	134.1	310.7	2009	37.0	7.2	617	2.48	28.2	3.0	115.1	7.0	67.9	2.35	5.95	7.11	42	0.77	0.076	



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 4 Part 2

QUALITY CONTROL REPORT

SMI11000351.1

		1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	1F15 Cs ppm	1F15 Ge ppm	1F15 Hf ppm	
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
537911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537911	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537913	Soil	2.6	10.6	0.09	417.6	0.004	<1	0.53	0.008	0.07	0.1	0.3	0.05	0.05	84	0.4	<0.02	2.4	0.66	<0.1	<0.02	
REP 537913	QC																					
537930	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537930	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537934	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537934	QC																					
552014	Soil	3.7	20.5	0.32	114.2	0.034	2	0.82	0.006	0.06	0.5	1.5	0.04	0.05	136	0.9	<0.02	3.8	0.78	<0.1	<0.02	
REP 552014	QC	3.7	17.8	0.32	124.8	0.032	1	0.82	0.006	0.07	0.4	1.4	0.04	0.05	135	0.8	<0.02	3.3	0.78	<0.1	<0.02	
552034	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 552034	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552036	Soil	36.7	6.4	0.20	274.5	0.015	4	0.66	0.010	0.09	0.4	1.5	0.10	0.14	176	0.9	<0.02	2.3	0.60	<0.1	<0.02	
REP 552036	QC																					
552047	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 552047	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552177	Soil	9.9	19.4	0.85	105.2	0.048	1	1.53	0.005	0.16	0.9	2.2	0.06	0.08	106	0.5	0.03	4.4	1.71	<0.1	<0.02	
REP 552177	QC																					
552181	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 552181	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
552185	Soil	2.1	2.8	0.14	106.1	0.006	2	0.34	0.008	0.09	0.1	1.0	0.04	0.23	159	0.4	<0.02	0.8	0.63	<0.1	0.03	
REP 552185	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																						
STD DS8	Standard	13.9	116.1	0.60	286.2	0.108	3	0.92	0.094	0.42	3.1	2.0	5.23	0.16	192	5.0	4.93	4.2	2.34	<0.1	0.07	
STD DS8	Standard	14.5	122.4	0.60	270.6	0.113	3	0.89	0.087	0.41	2.9	2.0	5.59	0.16	169	5.3	4.88	4.3	2.42	<0.1	0.08	
STD DS8	Standard	14.5	118.0	0.59	249.6	0.107	2	0.93	0.092	0.41	2.9	2.1	5.40	0.16	215	5.0	4.35	4.6	2.39	<0.1	0.05	
STD DS8	Standard	17.8	117.9	0.61	269.9	0.109	3	0.98	0.106	0.43	3.0	2.3	5.57	0.15	185	4.9	4.97	5.0	2.53	<0.1	0.07	
STD DS8	Standard	10.7	118.9	0.60	248.0	0.091	2	0.85	0.081	0.41	3.0	1.9	5.71	0.16	208	5.4	5.03	4.3	2.51	0.1	0.07	
STD DS8	Standard	18.1	121.4	0.63	288.8	0.111	2	0.95	0.093	0.43	3.2	2.3	5.99	0.16	209	5.4	5.16	4.9	2.74	<0.1	0.07	



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 4 Part 3

QUALITY CONTROL REPORT

SMI11000351.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm
537911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.93	8.83	5.27	40.5	1024	2.7	2.3
REP 537911	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
537913	Soil	0.05	8.6	0.3	<0.05	<0.1	1.07	4.7	<0.02	<1	0.1	0.5	<10	<2	0.67	16.61	9.99	75.0	187	5.3	3.4
REP 537913	QC														0.58	13.98	10.04	75.7	172	5.5	3.5
537930	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.52	4.36	2.95	59.6	234	1.4	0.6
REP 537930	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
537934	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.05	587.4	4.43	11.7	673	7.1	0.6
REP 537934	QC														2.87	564.5	4.20	11.8	650	6.8	0.6
552014	Soil	0.48	14.2	0.2	<0.05	<0.1	1.78	7.6	<0.02	<1	0.2	5.7	<10	3	0.75	13.71	4.88	45.5	364	6.7	4.8
REP 552014	QC	0.45	13.6	0.3	<0.05	<0.1	1.62	7.2	<0.02	<1	0.2	5.2	<10	<2							
552034	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.56	9.84	8.42	33.4	543	2.9	2.3
REP 552034	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
552036	Soil	0.31	12.6	0.2	<0.05	0.2	42.46	30.1	<0.02	<1	0.6	1.9	<10	<2	5.23	228.3	39.35	19.9	1582	7.8	4.9
REP 552036	QC														5.07	229.6	39.27	18.8	1595	7.4	5.1
552047	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.14	9.55	2.53	25.4	123	1.8	0.3
REP 552047	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
552177	Soil	0.57	18.5	0.2	<0.05	0.2	6.97	12.8	<0.02	<1	0.5	12.2	<10	<2	3.27	102.2	3.60	52.7	107	9.6	12.0
REP 552177	QC														3.54	105.3	3.91	57.0	94	10.2	12.3
552181	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.75	7.03	4.32	34.9	428	1.8	1.3
REP 552181	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
552185	Soil	0.13	7.7	0.2	<0.05	0.4	2.22	2.7	<0.02	<1	0.2	0.6	<10	<2	0.92	39.04	13.03	11.7	205	3.1	1.5
REP 552185	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
Reference Materials																					
STD DS8	Standard	1.23	37.2	6.7	<0.05	2.1	5.81	26.3	2.23	56	4.7	26.9	97	349							
STD DS8	Standard	1.21	38.1	6.2	<0.05	2.0	5.77	27.9	2.14	56	5.3	26.3	121	355							
STD DS8	Standard	1.32	37.8	6.0	<0.05	1.4	6.01	27.8	2.09	53	4.5	25.9	105	349							
STD DS8	Standard	1.39	40.6	6.6	<0.05	1.4	6.74	29.9	2.30	50	5.5	27.8	126	346							
STD DS8	Standard	1.02	39.2	6.4	<0.05	1.5	4.69	20.4	2.26	56	5.6	27.8	123	365							
STD DS8	Standard	1.64	43.3	7.0	<0.05	1.5	7.01	31.9	2.44	53	5.1	27.5	125	379							

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 2 of 4 Part 4

QUALITY CONTROL REPORT

SMI11000351.1

		1F Mn ppm	1F Fe %	1F As ppm	1F U ppm	1F Au ppb	1F Th ppm	1F Sr ppm	1F Cd ppm	1F Sb ppm	1F Bi ppm	1F V ppm	1F Ca %	1F P %	1F La ppm	1F Cr ppm	1F Mg %	1F Ba ppm	1F Ti %	1F B ppm	1F Al %
		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
537911	Soil	414	0.72	0.6	<0.1	2.0	<0.1	20.5	0.18	0.10	0.05	23	0.26	0.092	0.8	9.9	0.13	82.7	0.024	<20	0.24
REP 537911	QC																				
537913	Soil	557	0.85	0.3	<0.1	4.1	<0.1	29.7	0.32	0.11	0.11	25	0.32	0.092	2.0	10.5	0.10	416.3	0.002	<20	0.54
REP 537913	QC	568	0.86	0.5	0.1	4.3	<0.1	30.2	0.32	0.09	0.12	25	0.34	0.094	2.0	10.2	0.10	403.5	0.002	<20	0.55
537930	Soil	1330	0.06	0.3	<0.1	0.3	<0.1	9.2	0.10	0.05	0.02	<2	0.32	0.144	<0.5	3.3	0.05	68.6	0.003	<20	0.08
REP 537930	QC																				
537934	Soil	982	0.18	0.1	0.8	1.5	<0.1	90.8	1.02	0.62	0.06	5	2.13	0.131	8.5	4.2	0.09	120.8	0.002	<20	0.45
REP 537934	QC	970	0.17	<0.1	0.8	1.5	<0.1	88.2	0.96	0.59	0.05	5	2.06	0.122	8.1	3.3	0.08	114.6	0.002	<20	0.45
552014	Soil	811	1.66	1.7	0.3	2.5	0.1	25.7	0.10	0.17	0.06	39	0.34	0.096	3.0	14.7	0.26	88.6	0.025	<20	0.79
REP 552014	QC																				
552034	Soil	383	0.78	0.5	0.2	13.2	<0.1	28.0	0.24	0.14	0.16	23	0.24	0.104	2.7	5.5	0.13	125.4	0.011	<20	0.41
REP 552034	QC																				
552036	Soil	2886	0.86	0.3	2.3	2.4	<0.1	177.1	1.18	0.29	0.27	19	2.44	0.118	40.1	6.4	0.19	238.1	0.009	<20	0.63
REP 552036	QC	2891	0.88	0.5	2.3	2.5	<0.1	173.9	1.15	0.29	0.26	19	2.46	0.118	38.7	6.1	0.18	237.0	0.011	<20	0.65
552047	Soil	67	0.06	0.2	<0.1	0.7	<0.1	18.7	0.18	0.07	0.06	<2	0.43	0.070	<0.5	3.3	0.08	72.2	0.001	<20	0.04
REP 552047	QC																				
552177	Soil	519	2.62	0.9	8.5	9.6	1.2	82.1	0.20	0.11	0.10	73	1.05	0.140	10.1	18.5	0.86	98.6	0.068	<20	1.58
REP 552177	QC	594	2.60	0.9	9.2	2.3	1.3	80.9	0.20	0.12	0.10	71	1.07	0.143	10.0	20.2	0.86	110.6	0.068	<20	1.59
552181	Soil	271	0.16	<0.1	<0.1	<0.2	<0.1	29.2	0.22	0.08	0.04	4	0.45	0.126	<0.5	5.0	0.07	119.0	0.007	<20	0.09
REP 552181	QC																				
552185	Soil	465	0.33	0.5	0.3	<0.2	0.1	337.5	0.72	0.30	0.07	9	1.99	0.178	2.2	5.5	0.17	113.7	0.005	<20	0.37
REP 552185	QC																				
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				

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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 2 of 4 **Part** 5

QUALITY CONTROL REPORT

SMI11000351.1

		1F Na %	1F K %	1F W ppm	1F Sc ppm	1F Ti ppm	1F S %	1F Hg ppb	1F Se ppm	1F Te ppm	1F Ga ppm	1F Cs ppm	1F Ge ppm	1F Hf ppm	1F Nb ppm	1F Rb ppm	1F Sn ppm	1F Ta ppm	1F Zr ppm	1F Y ppm	1F Ce ppm
537911	Soil	0.010	0.08	<0.1	0.3	0.04	0.07	92	0.3	<0.02	1.4	0.42	<0.1	<0.02	0.16	7.7	0.2	<0.05	<0.1	0.62	1.4
REP 537911	QC																				
537913	Soil	0.007	0.06	<0.1	0.2	0.03	0.05	65	<0.1	<0.02	2.1	0.46	<0.1	<0.02	0.05	6.5	0.2	<0.05	<0.1	1.01	4.0
REP 537913	QC	0.007	0.07	<0.1	0.2	0.04	0.05	69	0.2	0.03	2.3	0.48	<0.1	<0.02	0.05	6.7	0.2	<0.05	<0.1	0.98	3.8
537930	Soil	0.007	0.12	<0.1	0.2	0.17	0.11	230	<0.1	<0.02	0.2	0.38	<0.1	<0.02	0.03	9.9	<0.1	<0.05	<0.1	0.12	0.3
REP 537930	QC																				
537934	Soil	0.007	0.08	<0.1	0.8	0.08	0.15	153	0.7	<0.02	0.4	0.29	0.2	<0.02	0.05	4.4	0.1	<0.05	0.1	9.17	5.9
REP 537934	QC	0.007	0.08	<0.1	0.7	0.07	0.15	139	0.8	<0.02	0.4	0.28	0.2	<0.02	0.05	4.3	0.1	<0.05	0.1	8.89	5.7
552014	Soil	0.006	0.06	0.2	1.3	0.03	0.05	99	0.1	<0.02	2.9	0.51	<0.1	<0.02	0.40	9.2	0.1	<0.05	<0.1	1.33	5.7
REP 552014	QC																				
552034	Soil	0.008	0.09	0.1	0.2	0.05	0.07	80	0.2	<0.02	2.2	0.49	<0.1	<0.02	0.26	10.4	0.3	<0.05	0.2	1.31	4.3
REP 552034	QC																				
552036	Soil	0.010	0.08	0.2	1.1	0.10	0.14	155	0.6	<0.02	2.2	0.48	<0.1	<0.02	0.27	11.2	0.2	<0.05	0.2	42.98	28.8
REP 552036	QC	0.010	0.08	0.2	0.8	0.09	0.14	155	0.7	<0.02	2.2	0.52	<0.1	<0.02	0.26	12.0	0.2	<0.05	0.1	41.79	27.3
552047	Soil	0.010	0.06	<0.1	0.1	<0.02	0.13	99	<0.1	<0.02	0.1	0.07	<0.1	<0.02	0.04	2.7	0.2	<0.05	0.3	0.15	0.4
REP 552047	QC																				
552177	Soil	0.007	0.16	0.7	2.5	0.05	0.08	78	0.7	0.04	4.6	1.74	<0.1	<0.02	0.52	16.7	0.2	<0.05	0.3	6.99	12.1
REP 552177	QC	0.008	0.17	0.7	2.4	0.04	0.08	80	1.0	0.02	4.6	1.73	<0.1	<0.02	0.63	18.9	0.2	<0.05	0.3	7.26	13.1
552181	Soil	0.008	0.13	<0.1	0.5	0.02	0.12	148	<0.1	<0.02	0.4	0.31	<0.1	<0.02	0.07	6.2	0.1	<0.05	<0.1	0.23	0.7
REP 552181	QC																				
552185	Soil	0.007	0.09	<0.1	0.7	0.03	0.22	126	0.7	0.03	0.9	0.52	<0.1	<0.02	0.13	6.5	0.2	<0.05	0.2	2.05	2.3
REP 552185	QC																				
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				

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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 2 of 4 Part 6

QUALITY CONTROL REPORT

SMI11000351.1

		1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
537911	Soil	<0.02	<1	<0.1	0.6	<10	<2
REP 537911	QC						
537913	Soil	<0.02	<1	0.1	0.6	<10	<2
REP 537913	QC	<0.02	<1	<0.1	0.6	<10	<2
537930	Soil	<0.02	1	<0.1	<0.1	<10	<2
REP 537930	QC						
537934	Soil	<0.02	<1	0.2	0.4	10	<2
REP 537934	QC	<0.02	<1	0.2	0.4	<10	<2
552014	Soil	<0.02	<1	0.1	4.6	<10	<2
REP 552014	QC						
552034	Soil	<0.02	1	<0.1	1.4	<10	<2
REP 552034	QC						
552036	Soil	<0.02	<1	0.6	2.1	<10	<2
REP 552036	QC	<0.02	2	0.6	2.2	<10	<2
552047	Soil	<0.02	<1	<0.1	0.2	<10	<2
REP 552047	QC						
552177	Soil	<0.02	<1	0.4	12.6	<10	<2
REP 552177	QC	<0.02	3	0.5	11.8	<10	<2
552181	Soil	<0.02	3	0.1	0.3	<10	2
REP 552181	QC						
552185	Soil	<0.02	2	<0.1	1.1	<10	3
REP 552185	QC						
Reference Materials							
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 4 Part 1

QUALITY CONTROL REPORT

SMI11000351.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
STD DS8	Standard	10.89	95.64	117.2	288.9	1725	33.7	6.7	540	2.19	22.5	2.5	100.8	5.5	51.9	2.01	4.74	5.67	36	0.60	0.067
STD DS8	Standard	14.10	111.8	130.5	320.1	1903	37.7	7.4	611	2.48	26.4	3.0	116.8	6.6	64.1	2.34	5.53	6.91	43	0.71	0.080
STD DS8	Standard	11.31	99.66	119.3	288.4	1706	33.1	6.5	533	2.17	22.6	2.6	124.6	6.3	57.9	2.14	5.26	6.33	36	0.63	0.067
STD DS8	Standard	10.71	117.5	132.4	320.5	1851	37.8	7.5	586	2.50	25.0	2.6	113.9	6.3	56.1	2.31	5.47	7.15	38	0.63	0.079
STD DS8	Standard	10.87	96.49	111.7	286.3	1626	34.8	6.3	530	2.14	24.1	2.3	100.4	5.8	52.6	2.15	4.94	5.91	35	0.59	0.072
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
STD OREAS45CA Expected																					
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	5	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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: Aug 12, 2011 Shipment
Report Date: September 30, 2011

Page: 3 of 4 Part 2

QUALITY CONTROL REPORT

SMI11000351.1

		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Ti ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	1F15 Cs ppm 0.02	1F15 Ge ppm 0.1	1F15 Hf ppm 0.02
STD DS8	Standard	11.8	108.1	0.55	220.2	0.086	1	0.81	0.078	0.37	2.8	1.8	5.24	0.14	197	4.6	4.62	4.1	2.27	<0.1	0.07
STD DS8	Standard	17.0	122.8	0.61	279.9	0.109	3	0.92	0.089	0.41	3.1	2.1	5.79	0.16	203	5.4	5.25	4.7	2.59	<0.1	0.09
STD DS8	Standard	13.8	109.1	0.52	255.6	0.097	3	0.85	0.102	0.39	3.1	2.1	5.54	0.15	198	5.0	4.73	4.0	2.26	0.1	0.04
STD DS8	Standard	11.0	118.9	0.59	226.4	0.097	3	0.88	0.091	0.42	3.0	2.0	5.62	0.16	214	5.0	4.79	4.2	2.44	0.1	0.06
STD DS8	Standard	12.8	107.0	0.49	258.6	0.090	2	0.76	0.071	0.36	2.8	1.7	4.97	0.14	207	4.4	4.70	3.9	2.36	0.1	0.09
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
STD OREAS45CA Expected																					
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 4 Part 3

QUALITY CONTROL REPORT

SMI11000351.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F		
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
STD DS8	Standard	0.98	35.1	5.9	<0.05	1.3	4.70	21.7	2.05	47	4.4	23.5	111	327							
STD DS8	Standard	1.42	41.2	6.6	<0.05	1.4	6.60	28.9	2.35	53	5.5	28.4	123	361							
STD DS8	Standard	1.31	35.7	5.9	<0.05	1.4	5.47	24.8	2.14	60	4.7	23.4	108	342							
STD DS8	Standard	1.04	40.9	6.8	<0.05	1.3	4.60	19.9	2.24	57	5.2	26.0	121	359							
STD DS8	Standard	1.10	33.0	6.0	<0.05	1.8	4.83	23.2	1.94	52	4.4	23.9	94	321							
STD DS8	Standard														12.16	108.8	128.8	316.4	1864	37.5	7.4
STD DS8	Standard														12.34	108.3	121.1	292.5	1763	37.7	6.9
STD DS8	Standard														13.39	104.8	118.1	293.3	1528	35.6	7.0
STD DS8	Standard														12.42	104.4	119.9	288.8	1689	36.0	7.7
STD DS8	Standard														12.43	99.12	110.7	268.7	1495	34.3	6.9
STD DS8	Standard														13.38	109.2	121.6	311.6	1685	38.5	7.3
STD DS8	Standard														13.11	112.2	134.4	328.9	1788	34.5	7.0
STD DS8	Standard														12.28	108.0	142.6	310.3	1758	34.3	6.9
STD DS8	Standard														13.80	112.0	122.6	306.8	1714	35.4	7.1
STD OREAS45CA	Standard														0.83	477.6	19.29	56.4	265	228.0	87.8
STD OREAS45CA	Standard														0.84	500.4	19.32	58.5	248	246.5	91.1
STD OREAS45CA	Standard														0.73	489.3	20.53	62.7	273	237.4	90.3
STD OREAS45CA	Standard														0.87	498.0	18.51	63.2	264	244.0	88.0
STD OREAS45CA	Standard														0.63	463.6	17.47	57.6	237	228.8	87.9
STD OREAS45CA	Standard														0.74	493.3	20.42	64.7	265	232.5	88.9
STD OREAS45CA	Standard														0.79	455.1	23.11	58.4	257	238.7	80.2
STD OREAS45CA	Standard														0.84	469.3	23.78	65.7	286	242.0	81.5
STD OREAS45CA	Standard														0.71	531.8	20.86	63.5	271	255.2	90.1
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	13.44	110	123	312	1690	38.1	7.5
STD OREAS45CA Expected															1	494	20	60	275	240	92
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 4 Part 4

QUALITY CONTROL REPORT

SMI11000351.1

		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	
		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	
STD DS8	Standard																					
STD DS8	Standard																					
STD DS8	Standard																					
STD DS8	Standard																					
STD DS8	Standard																					
STD DS8	Standard	581	2.38	23.7	2.4	118.5	5.6	55.2	2.24	4.66	5.85	39	0.64	0.078	11.4	117.5	0.60	274.1	0.096	<20	0.88	
STD DS8	Standard	566	2.36	21.6	2.5	114.7	6.0	57.4	2.15	3.74	5.93	40	0.69	0.070	13.7	119.0	0.58	266.3	0.107	<20	0.86	
STD DS8	Standard	590	2.39	26.0	2.7	96.8	6.3	66.6	2.21	4.27	6.37	40	0.69	0.077	15.4	113.1	0.59	284.7	0.109	<20	0.89	
STD DS8	Standard	581	2.41	25.2	2.7	98.9	7.0	72.5	2.29	4.37	6.54	41	0.71	0.076	16.6	117.9	0.60	282.2	0.126	<20	0.91	
STD DS8	Standard	562	2.34	22.9	2.7	101.5	6.4	70.6	2.15	4.51	6.11	40	0.68	0.071	15.2	105.0	0.58	271.6	0.114	<20	0.88	
STD DS8	Standard	611	2.38	25.1	3.1	88.6	6.5	65.0	2.37	4.55	6.75	39	0.66	0.077	14.0	117.0	0.58	310.0	0.121	<20	0.89	
STD DS8	Standard	572	2.43	23.7	2.9	101.8	7.5	66.7	2.56	4.62	6.83	42	0.72	0.075	16.4	114.2	0.61	291.5	0.104	<20	0.92	
STD DS8	Standard	584	2.36	23.6	2.7	98.6	6.8	63.3	2.53	4.40	6.38	40	0.67	0.083	15.2	113.0	0.59	281.3	0.098	<20	0.88	
STD DS8	Standard	591	2.49	25.5	2.6	108.6	6.3	67.4	2.36	4.35	5.79	42	0.73	0.076	17.9	117.7	0.60	278.4	0.112	<20	0.95	
STD OREAS45CA	Standard	901	14.84	3.9	1.1	37.5	6.3	13.1	0.08	0.13	0.11	209	0.40	0.036	14.3	711.9	0.13	150.9	0.108	<20	3.30	
STD OREAS45CA	Standard	872	15.52	3.6	1.1	41.2	6.3	13.4	0.08	0.10	0.15	205	0.40	0.034	14.7	736.2	0.15	142.3	0.133	<20	3.61	
STD OREAS45CA	Standard	946	14.93	3.8	1.2	43.9	7.2	16.8	0.10	0.08	0.18	195	0.40	0.040	16.7	707.3	0.14	162.3	0.136	<20	3.79	
STD OREAS45CA	Standard	915	14.81	4.0	1.1	43.1	6.5	16.7	0.11	0.14	0.17	202	0.41	0.037	15.9	674.1	0.16	155.8	0.159	<20	3.83	
STD OREAS45CA	Standard	879	13.90	3.3	1.0	39.5	6.3	16.0	0.10	0.06	0.16	183	0.39	0.034	15.2	638.8	0.15	154.5	0.125	<20	3.60	
STD OREAS45CA	Standard	987	15.13	3.3	1.2	34.0	6.8	15.6	0.08	0.09	0.17	192	0.43	0.035	15.5	681.9	0.15	159.8	0.140	<20	3.43	
STD OREAS45CA	Standard	884	14.79	3.2	1.3	36.1	7.8	15.1	0.08	0.09	0.18	212	0.40	0.038	17.6	637.7	0.15	156.7	0.121	<20	3.45	
STD OREAS45CA	Standard	951	15.00	3.4	1.4	39.6	7.9	16.4	0.10	0.12	0.20	212	0.42	0.038	18.0	673.5	0.15	165.1	0.125	<20	3.50	
STD OREAS45CA	Standard	905	15.88	3.6	1.2	38.1	7.1	16.0	0.10	0.05	0.17	209	0.40	0.039	17.6	729.6	0.16	157.7	0.140	<20	4.02	
STD DS8 Expected		615	2.46	26	2.8	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	
STD OREAS45CA Expected		943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 3 of 4 Part 5

QUALITY CONTROL REPORT

SMI11000351.1

		1F Na %	1F K %	1F W ppm	1F Sc ppm	1F Ti ppm	1F S %	1F Hg ppb	1F Se ppm	1F Te ppm	1F Ga ppm	1F Cs ppm	1F Ge ppm	1F Hf ppm	1F Nb ppm	1F Rb ppm	1F Sn ppm	1F Ta ppm	1F Zr ppm	1F Y ppm	1F Ce ppm
STD DS8	Standard	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard	0.083	0.41	2.6	2.0	5.80	0.16	204	5.2	5.00	4.5	2.40	<0.1	0.04	0.75	37.5	6.3	<0.05	1.4	4.70	21.5
STD DS8	Standard	0.082	0.40	2.3	2.2	5.30	0.16	210	4.8	4.52	4.2	2.32	<0.1	0.05	0.90	34.7	5.8	<0.05	2.0	5.04	25.2
STD DS8	Standard	0.086	0.39	2.3	2.0	5.24	0.16	170	5.0	4.57	4.5	2.37	0.1	0.06	0.84	36.1	6.8	<0.05	1.4	5.57	26.9
STD DS8	Standard	0.090	0.39	2.4	2.2	5.15	0.16	163	5.3	4.91	5.0	2.44	0.1	0.08	1.06	35.9	6.7	<0.05	1.7	6.50	30.4
STD DS8	Standard	0.087	0.38	2.4	2.1	4.98	0.15	179	5.4	4.52	4.6	2.35	<0.1	0.07	0.90	37.1	6.4	<0.05	1.7	6.10	27.3
STD DS8	Standard	0.087	0.40	2.6	2.1	5.30	0.16	206	5.8	5.22	4.7	2.53	0.1	0.10	0.91	40.0	6.5	<0.05	2.1	5.59	26.5
STD DS8	Standard	0.084	0.41	2.7	2.2	5.93	0.17	210	5.4	4.97	4.8	2.55	<0.1	0.09	0.99	40.5	7.2	<0.05	1.7	6.24	27.8
STD DS8	Standard	0.085	0.40	2.8	2.1	5.68	0.16	176	5.5	5.06	4.4	2.47	<0.1	0.07	0.78	39.6	7.1	<0.05	1.6	5.60	23.9
STD DS8	Standard	0.094	0.41	3.0	2.1	5.64	0.16	164	5.4	5.13	4.8	2.58	<0.1	0.07	0.94	43.4	6.8	<0.05	1.6	6.60	31.4
STD OREAS45CA	Standard	0.004	0.07	<0.1	34.4	0.08	0.02	27	0.5	0.08	17.3	0.89	0.2	0.35	0.12	7.6	1.6	<0.05	16.4	7.26	32.1
STD OREAS45CA	Standard	0.009	0.07	<0.1	35.3	0.12	0.02	19	0.6	0.07	17.4	1.16	0.1	0.33	0.13	8.3	1.7	<0.05	15.7	7.25	32.5
STD OREAS45CA	Standard	0.013	0.07	<0.1	38.1	0.08	0.02	13	0.6	0.04	18.6	1.22	<0.1	0.51	0.13	9.5	2.0	<0.05	18.2	8.24	35.1
STD OREAS45CA	Standard	0.013	0.08	<0.1	38.9	0.08	0.03	33	1.1	0.04	19.1	1.27	0.2	0.38	0.14	9.7	1.8	<0.05	16.9	8.05	33.9
STD OREAS45CA	Standard	0.013	0.07	<0.1	36.3	0.07	0.02	27	1.0	0.08	18.9	1.16	0.1	0.56	0.12	9.3	1.7	<0.05	20.5	8.08	33.9
STD OREAS45CA	Standard	0.009	0.07	<0.1	38.1	0.06	0.02	30	1.2	0.09	17.7	1.01	0.2	0.56	0.18	9.0	1.8	<0.05	23.1	8.60	35.1
STD OREAS45CA	Standard	0.004	0.07	<0.1	37.9	0.11	0.02	27	0.3	0.07	18.9	1.05	<0.1	0.48	0.15	9.0	2.0	<0.05	19.9	8.48	34.9
STD OREAS45CA	Standard	0.004	0.07	<0.1	38.9	0.12	0.02	24	0.3	0.07	19.5	1.08	<0.1	0.60	0.19	9.2	2.1	<0.05	20.6	8.73	36.8
STD OREAS45CA	Standard	0.009	0.08	<0.1	37.8	0.13	0.03	26	0.7	<0.02	18.3	1.32	<0.1	0.56	0.12	10.3	2.0	<0.05	20.0	8.30	36.1
STD DS8 Expected		0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08	1.1	39	6.7	0.003	2.1	6.1	29.8
STD OREAS45CA Expected		0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4	1.03	0.11	0.5	0.22	8.2	1.8		21.6	7.84	35
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 3 of 4 Part 6

QUALITY CONTROL REPORT

SMI11000351.1

		1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard	2.19	59	5.4	26.1	111	372
STD DS8	Standard	1.97	54	4.9	25.6	111	336
STD DS8	Standard	2.20	44	5.1	26.9	89	321
STD DS8	Standard	2.21	50	5.6	26.3	118	343
STD DS8	Standard	2.00	57	4.5	26.6	115	303
STD DS8	Standard	2.06	56	4.3	28.2	121	345
STD DS8	Standard	2.41	62	5.0	25.2	107	364
STD DS8	Standard	2.50	51	4.7	25.9	114	352
STD DS8	Standard	2.41	55	5.2	25.6	100	332
STD OREAS45CA	Standard	0.08	1	0.6	5.8	28	66
STD OREAS45CA	Standard	0.08	<1	0.7	6.9	29	61
STD OREAS45CA	Standard	0.10	1	0.6	8.5	33	57
STD OREAS45CA	Standard	0.11	<1	0.8	8.2	40	54
STD OREAS45CA	Standard	0.08	<1	1.0	7.9	52	51
STD OREAS45CA	Standard	0.07	<1	0.6	7.5	20	64
STD OREAS45CA	Standard	0.10	<1	0.5	6.8	30	69
STD OREAS45CA	Standard	0.10	<1	0.7	6.9	34	63
STD OREAS45CA	Standard	0.10	<1	0.6	8.3	34	68
STD DS8 Expected		2.19	55	5.2	26.34	110	339
STD OREAS45CA Expected		0.09			6.2	36	61
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						



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: Aug 12, 2011 Shipment
 Report Date: September 30, 2011

Page: 4 of 4 Part 1

QUALITY CONTROL REPORT

SMI11000351.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	3.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 4 of 4 Part 2

QUALITY CONTROL REPORT

SMI11000351.1

		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Ti ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	1F15 Cs ppm 0.02	1F15 Ge ppm 0.1	1F15 Hf ppm 0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 4 of 4 Part 3

QUALITY CONTROL REPORT

SMI11000351.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	0.1
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK	Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK	Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK	Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK	Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK	Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK	Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1



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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 4 of 4 Part 4

QUALITY CONTROL REPORT

SMI11000351.1

		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	
		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	
BLK	Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	
BLK	Blank	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	
BLK	Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	
BLK	Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	
BLK	Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	
BLK	Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	
BLK	Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	



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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 4 of 4 Part 5

QUALITY CONTROL REPORT

SMI11000351.1

		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
		Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	
		%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	
BLK	Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	



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: Aug 12, 2011 Shipment

Report Date: September 30, 2011

Page: 4 of 4 Part 6

QUALITY CONTROL REPORT

SMI11000351.1

		1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2



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: Hugh Samson
Receiving Lab: Canada-Smithers
Received: August 26, 2011
Report Date: September 28, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS

SMI11000354.1

CLIENT JOB INFORMATION

Project: Aug 12, 2011 Shipment
Shipment ID: Aug-11
P.O. Number
Number of Samples: 238

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Air Dry, SS80, RJSV, 1F05, and 1F04.

ADDITIONAL COMMENTS

Version 2 includes 1F04 (0.5g) analysis for 'IS' samples only

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

CC: Dustin Perry
Dave Moore



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
537938	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537939	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537940	Soil			1.45	19.43	11.38	45.4	562	11.0	5.1	299	1.12	0.2	0.5	7.0	<0.1	34.8	0.26	0.16	0.21	27	0.28	0.110
537941	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537942	Soil			1.41	14.57	9.31	25.0	378	7.7	7.4	996	0.86	0.6	0.2	2.9	<0.1	45.2	0.19	0.15	0.14	22	0.52	0.099
537943	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537944	Soil			0.89	6.87	4.24	59.8	969	2.6	1.4	196	0.09	0.4	<0.1	0.3	<0.1	10.7	0.15	0.08	0.03	<2	0.13	0.119
537945	Soil			1.35	13.30	12.77	54.7	1041	4.2	3.1	105	0.44	1.0	<0.1	1.0	<0.1	10.6	0.32	0.14	0.09	10	0.06	0.181
537946	Soil			3.97	33.64	7.10	28.3	650	10.5	17.9	836	2.27	1.0	0.6	6.2	<0.1	44.9	0.18	0.14	0.12	85	0.49	0.131
537947	Soil			3.54	70.02	3.51	59.7	232	12.3	14.0	1162	2.88	1.2	0.5	9.1	0.3	55.4	0.40	0.11	0.06	89	1.33	0.236
537948	Soil			1.82	38.97	6.35	104.2	169	11.4	8.8	1118	2.15	1.0	0.2	3.2	<0.1	105.9	0.44	0.14	0.08	54	1.84	0.215
537949	Soil			1.09	23.81	8.84	75.9	969	11.3	9.8	747	1.99	0.6	0.1	2.1	<0.1	24.9	0.23	0.18	0.11	53	0.20	0.108
537950	Soil			0.84	15.24	11.26	46.6	505	7.3	7.4	606	1.24	0.3	<0.1	1.8	<0.1	26.4	0.19	0.14	0.12	36	0.24	0.102
537960	Soil			0.83	58.83	3.82	13.9	848	7.2	4.5	103	0.92	<0.1	0.5	4.0	<0.1	35.2	0.24	0.13	0.10	24	0.33	0.135
537961	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537962	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537963	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537964	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537965	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537966	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537967	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537968	Soil			1.47	15.94	9.31	69.6	1045	6.1	4.6	4152	0.59	2.0	<0.1	19.9	<0.1	20.1	0.68	0.14	0.17	12	0.42	0.175
537969	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537970	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537971	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537972	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537973	Soil			0.81	12.21	6.26	22.9	138	5.0	3.5	354	0.96	0.7	0.1	12.7	<0.1	19.2	0.14	0.24	0.07	26	0.23	0.103
537974	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537975	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537976	Soil			0.85	14.68	5.38	20.6	267	6.5	5.4	1119	0.99	0.2	0.1	8.0	<0.1	38.2	0.21	0.13	0.06	24	0.57	0.079

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
537938	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537939	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537940	Soil	6.7	24.1	0.31	114.7	0.005	<1	0.76	0.007	0.06	0.2	0.3	0.03	0.05	116	0.4	<0.02	4.2	0.87	<0.1	<0.02
537941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537942	Soil	5.4	13.6	0.27	141.4	0.011	<1	0.53	0.006	0.07	0.1	0.3	0.04	0.08	108	0.2	<0.02	2.3	0.93	<0.1	<0.02
537943	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537944	Soil	<0.5	3.6	0.05	69.1	0.002	4	0.17	0.007	0.06	<0.1	0.3	<0.02	0.16	204	0.6	<0.02	0.2	0.15	<0.1	<0.02
537945	Soil	0.9	9.5	0.08	152.6	0.003	<1	0.44	0.007	0.06	<0.1	0.2	<0.02	0.11	144	0.3	<0.02	0.7	0.41	<0.1	<0.02
537946	Soil	3.3	31.6	0.57	116.0	0.051	<1	0.90	0.006	0.08	0.2	0.9	0.03	0.08	106	0.6	<0.02	4.8	1.60	<0.1	<0.02
537947	Soil	4.4	37.9	1.07	110.7	0.048	1	1.26	0.003	0.30	0.3	2.6	0.05	0.14	52	0.8	<0.02	3.7	2.35	<0.1	<0.02
537948	Soil	1.7	36.5	0.61	80.8	0.026	4	0.70	0.004	0.15	0.1	1.2	0.03	0.23	86	0.3	<0.02	2.7	2.09	<0.1	<0.02
537949	Soil	1.6	31.9	0.43	151.8	0.025	<1	0.82	0.004	0.07	<0.1	0.4	<0.02	0.04	76	0.3	<0.02	3.6	0.60	<0.1	<0.02
537950	Soil	1.6	17.9	0.24	127.3	0.033	<1	0.62	0.004	0.06	<0.1	0.3	<0.02	0.05	90	0.3	<0.02	3.2	0.74	<0.1	<0.02
537960	Soil	13.6	12.3	0.23	118.8	0.007	<1	1.19	0.008	0.04	<0.1	0.2	0.04	0.11	92	0.3	<0.02	2.7	0.61	<0.1	<0.02
537961	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537962	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537964	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537965	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537967	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537968	Soil	2.2	9.5	0.12	124.6	0.003	<1	0.59	0.006	0.11	<0.1	0.2	0.04	0.10	167	0.4	0.02	2.2	0.64	<0.1	<0.02
537969	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537970	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537971	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537972	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537973	Soil	2.0	13.4	0.20	56.8	0.028	3	0.50	0.006	0.07	0.2	1.0	0.03	0.06	163	0.5	0.04	2.0	0.44	<0.1	0.02
537974	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537975	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537976	Soil	1.7	13.7	0.17	251.9	0.012	<1	0.39	0.004	0.07	0.1	0.4	0.03	0.07	129	0.3	0.02	1.5	0.53	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	1F
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	0.1
537938	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.03	18.10	4.19	50.0	65	2.5	0.8
537939	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.52	37.64	7.70	19.4	2111	11.7	16.2
537940	Soil	0.16	10.4	0.4	<0.05	<0.1	1.66	12.4	<0.02	<1	0.1	4.2	<10	<2	0.96	13.85	8.71	33.5	424	6.8	3.4
537941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.91	11.23	8.18	25.8	473	7.4	6.4
537942	Soil	0.34	16.9	0.2	<0.05	<0.1	3.49	10.9	<0.02	<1	0.2	2.6	<10	<2	1.29	12.48	8.75	22.4	375	6.5	6.4
537943	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.97	10.49	4.20	20.3	226	2.7	1.9
537944	Soil	0.05	8.0	0.1	<0.05	0.1	0.14	0.5	<0.02	<1	<0.1	<0.1	<10	<2	0.77	4.90	3.85	55.7	910	2.1	1.2
537945	Soil	0.07	7.8	0.3	<0.05	<0.1	0.37	1.7	<0.02	<1	0.2	0.2	<10	<2	1.25	7.61	12.11	49.0	999	3.2	2.7
537946	Soil	0.43	18.5	0.3	<0.05	0.2	2.67	7.1	<0.02	<1	0.2	3.8	<10	5	3.14	24.87	6.41	21.4	586	7.9	13.3
537947	Soil	0.38	89.4	0.1	<0.05	0.4	5.28	9.1	<0.02	<1	0.3	8.3	<10	<2	3.52	68.28	3.99	59.5	277	11.3	13.6
537948	Soil	0.50	47.7	0.2	<0.05	0.3	1.94	3.2	<0.02	<1	<0.1	5.0	<10	<2	1.74	33.75	6.73	98.7	166	9.8	7.9
537949	Soil	0.24	9.1	0.3	<0.05	0.1	1.01	3.0	<0.02	<1	0.2	3.7	<10	<2	1.00	19.69	9.18	74.3	1096	9.4	8.5
537950	Soil	0.50	9.4	0.4	<0.05	0.1	0.83	3.1	<0.02	1	0.1	2.1	<10	<2	0.70	12.43	9.86	45.6	563	6.0	5.9
537960	Soil	0.29	6.1	0.3	<0.05	<0.1	11.66	22.2	<0.02	<1	0.6	2.4	<10	<2	0.82	48.56	3.73	13.1	934	6.4	4.0
537961	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.59	71.67	5.66	26.9	910	13.2	7.9
537962	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.28	9.17	8.70	25.9	592	4.8	6.0
537963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.25	49.83	1.97	12.2	703	7.7	4.6
537964	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.82	26.46	5.70	20.7	867	6.8	8.1
537965	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.73	8.78	6.46	23.9	281	3.8	2.0
537966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.08	14.58	4.67	13.9	268	3.7	5.4
537967	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.11	31.63	3.83	17.4	605	6.0	3.1
537968	Soil	0.06	12.7	0.3	<0.05	<0.1	0.54	3.7	<0.02	<1	<0.1	0.9	<10	<2	1.14	12.76	9.13	64.4	1088	4.9	4.0
537969	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.61	45.45	2.34	18.8	509	3.5	15.4
537970	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.59	13.57	3.26	14.8	168	1.6	1.8
537971	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.04	61.57	3.56	18.0	474	4.2	4.8
537972	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.59	5.90	3.36	20.2	351	3.7	1.4
537973	Soil	0.21	6.4	0.2	<0.05	<0.1	0.76	3.8	<0.02	1	<0.1	2.5	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537974	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.67	6.51	4.84	26.9	616	3.7	1.1
537975	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.84	6.21	6.31	21.1	419	2.8	1.9
537976	Soil	0.16	6.2	0.2	<0.05	<0.1	0.96	3.1	<0.02	<1	<0.1	1.5	<10	<2	0.88	14.54	5.99	22.2	308	6.3	5.4

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	%
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	
537938	Soil	118	0.11	0.2	<0.1	6.6	<0.1	53.0	0.27	0.21	0.12	<2	0.84	0.110	<0.5	3.5	0.10	90.4	0.002	<20	0.06	
537939	Soil	1054	0.75	0.8	1.1	3.1	<0.1	68.6	1.06	0.41	0.11	14	0.74	0.172	34.3	13.0	0.19	228.8	0.002	<20	0.80	
537940	Soil	215	0.94	1.3	0.4	5.2	<0.1	30.4	0.18	0.10	0.18	25	0.20	0.064	5.6	19.7	0.24	80.2	0.004	<20	0.73	
537941	Soil	211	1.28	1.1	0.2	4.3	<0.1	34.1	0.13	0.10	0.15	26	0.18	0.086	3.7	19.1	0.24	162.5	0.024	<20	0.57	
537942	Soil	831	0.81	1.4	0.2	5.8	<0.1	50.0	0.20	0.14	0.14	23	0.47	0.080	5.7	13.8	0.25	127.5	0.015	<20	0.55	
537943	Soil	432	0.32	1.0	<0.1	2.2	<0.1	27.5	0.26	0.10	0.05	9	0.41	0.111	0.7	6.3	0.13	71.8	0.007	<20	0.14	
537944	Soil	170	0.07	1.3	<0.1	1.2	<0.1	9.7	0.15	0.07	0.03	<2	0.11	0.093	<0.5	2.6	0.04	59.3	0.002	<20	0.14	
537945	Soil	92	0.45	1.4	<0.1	1.2	<0.1	12.4	0.24	0.12	0.09	11	0.06	0.136	0.9	8.6	0.07	130.4	0.001	<20	0.37	
537946	Soil	659	1.97	1.4	0.5	4.9	<0.1	45.8	0.17	0.11	0.10	80	0.39	0.103	3.3	26.3	0.49	98.2	0.047	<20	0.85	
537947	Soil	1118	2.74	1.2	0.6	42.9	0.2	68.9	0.43	0.13	0.08	86	1.31	0.223	4.9	40.1	1.02	118.7	0.061	<20	1.22	
537948	Soil	992	1.96	0.3	0.2	2.1	<0.1	110.1	0.44	0.14	0.09	51	1.73	0.179	1.9	35.0	0.55	80.0	0.035	<20	0.67	
537949	Soil	718	1.90	1.5	0.1	5.9	<0.1	28.8	0.20	0.15	0.10	54	0.22	0.099	1.8	30.7	0.38	152.6	0.031	<20	0.80	
537950	Soil	525	1.19	2.0	<0.1	1.7	<0.1	32.2	0.13	0.13	0.20	39	0.25	0.097	1.9	17.6	0.23	124.9	0.038	<20	0.62	
537960	Soil	98	1.01	1.5	0.5	3.7	<0.1	37.4	0.21	0.12	0.11	30	0.32	0.124	13.1	13.4	0.25	114.5	0.009	<20	1.30	
537961	Soil	1076	1.20	2.0	0.2	5.3	<0.1	95.1	0.72	0.47	0.06	37	1.70	0.128	9.1	18.8	0.45	203.4	0.018	<20	0.95	
537962	Soil	84	0.31	0.4	<0.1	1.8	<0.1	42.2	0.44	0.14	0.07	8	0.30	0.089	0.8	6.3	0.11	199.2	0.006	<20	0.20	
537963	Soil	38	0.63	0.3	0.2	5.8	<0.1	89.5	1.02	0.64	0.05	7	1.44	0.148	8.1	6.0	0.16	92.7	0.003	<20	0.68	
537964	Soil	507	1.36	0.6	0.6	3.8	<0.1	46.2	0.64	0.14	0.13	49	0.73	0.221	4.1	25.3	0.24	88.3	0.007	<20	0.72	
537965	Soil	169	0.48	1.6	<0.1	34.0	<0.1	22.1	0.22	0.09	0.09	16	0.21	0.069	1.5	12.3	0.11	38.5	0.005	<20	0.33	
537966	Soil	60	0.92	1.4	0.2	1.6	<0.1	32.6	0.60	0.09	0.04	6	0.50	0.168	2.7	5.0	0.08	66.5	0.002	<20	0.24	
537967	Soil	53	0.84	0.3	0.8	4.3	<0.1	63.0	1.03	0.23	0.04	8	1.25	0.193	9.2	6.5	0.11	73.3	0.003	<20	0.47	
537968	Soil	4110	0.55	1.2	<0.1	22.8	<0.1	20.2	0.63	0.12	0.16	16	0.35	0.130	2.1	9.3	0.12	120.5	0.002	<20	0.58	
537969	Soil	2153	3.12	0.6	0.2	8.0	<0.1	36.8	0.60	0.23	0.05	6	0.64	0.146	4.8	6.0	0.07	82.1	0.002	<20	0.16	
537970	Soil	420	0.11	<0.1	<0.1	2.4	<0.1	63.8	0.64	0.11	0.03	<2	1.30	0.120	<0.5	2.8	0.11	35.2	0.002	<20	0.05	
537971	Soil	4032	0.16	<0.1	<0.1	4.3	<0.1	125.1	2.50	0.19	0.03	4	2.13	0.140	0.7	3.6	0.13	221.7	0.001	<20	0.10	
537972	Soil	75	0.30	<0.1	<0.1	11.3	<0.1	33.0	0.10	0.09	0.04	11	0.33	0.046	1.0	8.6	0.09	37.9	0.013	<20	0.22	
537973	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537974	Soil	380	0.12	1.5	<0.1	1.5	<0.1	10.2	0.15	0.07	0.04	6	0.18	0.090	0.6	7.5	0.06	50.7	0.008	<20	0.16	
537975	Soil	551	0.25	2.4	<0.1	1.0	<0.1	17.8	0.13	0.11	0.04	7	0.26	0.114	0.9	6.1	0.07	46.4	0.007	<20	0.15	
537976	Soil	1213	1.19	1.7	0.1	5.3	<0.1	45.5	0.23	0.16	0.07	32	0.65	0.075	2.1	16.5	0.20	258.0	0.021	<20	0.43	

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
537938	Soil			0.006	0.10	<0.1	0.4	0.03	0.16	198	0.2	0.03	0.2	0.16	<0.1	<0.02	0.06	4.7	0.2	<0.05	0.3	0.23	1.1
537939	Soil			0.006	0.11	0.1	0.2	0.07	0.16	225	0.2	0.02	1.2	0.39	<0.1	<0.02	0.17	7.9	0.2	<0.05	<0.1	17.74	63.6
537940	Soil			0.002	0.05	0.2	0.2	0.05	0.04	64	0.1	<0.02	3.4	0.70	<0.1	<0.02	0.15	7.3	0.2	<0.05	<0.1	1.36	10.4
537941	Soil			0.005	0.08	0.2	0.6	0.07	0.06	121	0.1	<0.02	2.7	0.76	<0.1	<0.02	0.50	9.6	0.3	<0.05	0.1	1.19	7.1
537942	Soil			0.004	0.08	0.1	0.3	0.07	0.07	99	0.1	<0.02	2.4	1.13	<0.1	<0.02	0.31	20.3	0.3	<0.05	<0.1	3.61	11.9
537943	Soil			0.004	0.16	<0.1	0.4	0.06	0.12	171	0.1	<0.02	0.6	0.21	<0.1	<0.02	0.11	9.0	<0.1	<0.05	<0.1	0.44	1.6
537944	Soil			0.004	0.06	<0.1	0.2	0.02	0.14	191	0.2	<0.02	0.1	0.14	<0.1	<0.02	0.03	7.0	<0.1	<0.05	0.1	0.12	0.8
537945	Soil			0.004	0.06	<0.1	0.2	0.02	0.10	147	0.2	<0.02	0.8	0.44	<0.1	<0.02	0.07	6.9	0.3	<0.05	<0.1	0.37	2.0
537946	Soil			0.005	0.08	0.2	0.8	0.07	0.07	87	0.2	0.02	4.3	1.54	<0.1	<0.02	0.36	16.9	0.2	<0.05	<0.1	2.59	7.2
537947	Soil			0.004	0.29	0.3	2.7	0.10	0.13	61	0.7	0.03	3.8	2.75	<0.1	<0.02	0.41	97.5	0.1	<0.05	0.1	6.05	10.3
537948	Soil			0.001	0.15	0.1	1.2	0.05	0.21	110	0.2	<0.02	2.7	2.45	<0.1	<0.02	0.45	48.4	0.2	<0.05	0.1	2.11	4.0
537949	Soil			0.003	0.07	0.1	0.3	0.04	0.06	75	0.1	<0.02	3.4	0.71	<0.1	<0.02	0.34	9.9	0.3	<0.05	<0.1	1.21	3.7
537950	Soil			0.002	0.06	<0.1	0.3	0.03	0.05	86	0.1	<0.02	3.1	0.86	<0.1	<0.02	0.52	11.4	0.4	<0.05	<0.1	1.03	3.9
537960	Soil			0.009	0.05	<0.1	0.2	0.08	0.12	90	0.2	<0.02	3.0	0.79	<0.1	<0.02	0.38	7.4	0.2	<0.05	<0.1	12.23	24.0
537961	Soil			0.011	0.15	0.1	1.6	0.10	0.19	141	0.5	<0.02	2.1	0.83	<0.1	<0.02	0.21	8.2	0.2	<0.05	0.3	16.65	7.6
537962	Soil			0.011	0.10	<0.1	0.3	0.04	0.16	181	0.2	0.03	0.6	0.72	<0.1	<0.02	0.11	7.4	0.1	<0.05	<0.1	0.51	1.8
537963	Soil			0.011	0.08	<0.1	0.4	0.06	0.22	193	0.6	<0.02	0.5	0.22	0.1	<0.02	0.10	3.9	0.1	<0.05	<0.1	9.26	15.5
537964	Soil			0.008	0.10	<0.1	0.4	0.21	0.18	117	0.5	0.02	3.2	1.98	<0.1	<0.02	0.25	16.5	0.3	<0.05	<0.1	3.89	8.6
537965	Soil			0.004	0.06	<0.1	0.1	0.03	0.07	89	0.2	<0.02	1.9	0.42	<0.1	<0.02	0.08	9.0	0.2	<0.05	<0.1	0.92	3.2
537966	Soil			0.011	0.09	<0.1	0.3	0.03	0.18	152	0.3	<0.02	0.3	0.20	<0.1	<0.02	0.06	10.1	<0.1	<0.05	<0.1	2.66	5.7
537967	Soil			0.013	0.08	<0.1	0.4	0.05	0.23	250	0.4	<0.02	0.4	0.29	<0.1	<0.02	0.08	7.9	0.1	<0.05	<0.1	9.77	18.1
537968	Soil			0.004	0.11	<0.1	0.2	0.05	0.09	165	0.2	0.02	2.1	0.67	<0.1	<0.02	0.04	12.4	0.2	<0.05	<0.1	0.54	4.4
537969	Soil			0.017	0.07	<0.1	0.6	0.06	0.21	134	0.3	0.02	0.3	0.18	<0.1	<0.02	0.05	5.1	0.2	<0.05	<0.1	5.71	11.2
537970	Soil			0.006	0.11	<0.1	0.3	<0.02	0.16	156	0.2	<0.02	0.1	0.34	<0.1	<0.02	0.04	10.4	0.1	<0.05	0.1	0.43	1.0
537971	Soil			0.010	0.13	<0.1	0.2	0.15	0.22	249	0.3	<0.02	0.2	0.21	<0.1	<0.02	0.04	8.3	<0.1	<0.05	<0.1	1.54	1.7
537972	Soil			0.007	0.05	<0.1	0.2	0.02	0.07	123	0.1	<0.02	1.0	0.46	<0.1	<0.02	0.23	4.0	0.1	<0.05	<0.1	0.63	2.4
537973	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537974	Soil			0.006	0.08	<0.1	0.2	0.04	0.09	160	0.2	<0.02	0.6	0.28	<0.1	<0.02	0.11	6.0	0.1	<0.05	<0.1	0.24	1.5
537975	Soil			0.004	0.09	<0.1	0.3	0.14	0.09	177	0.1	<0.02	0.6	0.56	<0.1	<0.02	0.08	7.1	0.2	<0.05	<0.1	0.37	2.0
537976	Soil			0.003	0.08	0.1	0.7	0.06	0.07	132	0.2	<0.02	1.9	0.75	<0.1	<0.02	0.22	9.2	0.2	<0.05	<0.1	1.31	4.3



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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 2 of 9 **Part** 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
				ppm	ppb	ppm	ppm	ppb	ppb
				0.02	1	0.1	0.1	10	2
537938	Soil			<0.02	<1	<0.1	0.3	<10	<2
537939	Soil			<0.02	<1	0.6	1.8	<10	<2
537940	Soil			<0.02	<1	0.2	3.4	<10	<2
537941	Soil			<0.02	<1	0.1	2.8	<10	<2
537942	Soil			<0.02	<1	<0.1	2.6	<10	<2
537943	Soil			<0.02	<1	<0.1	0.7	<10	<2
537944	Soil			<0.02	<1	<0.1	0.1	<10	<2
537945	Soil			<0.02	<1	0.1	0.5	<10	<2
537946	Soil			<0.02	<1	0.2	3.7	<10	<2
537947	Soil			<0.02	<1	0.2	8.7	<10	<2
537948	Soil			<0.02	<1	<0.1	5.0	<10	<2
537949	Soil			<0.02	<1	0.2	3.4	<10	<2
537950	Soil			<0.02	<1	0.1	2.1	<10	<2
537960	Soil			<0.02	<1	0.5	2.9	<10	<2
537961	Soil			<0.02	<1	0.2	4.4	<10	<2
537962	Soil			<0.02	<1	<0.1	0.5	<10	<2
537963	Soil			<0.02	<1	0.4	0.5	<10	<2
537964	Soil			<0.02	<1	0.2	2.2	<10	<2
537965	Soil			<0.02	<1	<0.1	0.8	<10	<2
537966	Soil			<0.02	<1	0.1	0.2	<10	<2
537967	Soil			<0.02	<1	0.3	0.3	<10	<2
537968	Soil			<0.02	<1	0.2	1.0	<10	<2
537969	Soil			<0.02	<1	0.1	0.3	<10	<2
537970	Soil			<0.02	<1	<0.1	0.1	<10	<2
537971	Soil			<0.02	<1	<0.1	0.2	<10	<2
537972	Soil			<0.02	<1	<0.1	0.4	<10	<2
537973	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537974	Soil			<0.02	1	<0.1	0.4	<10	<2
537975	Soil			<0.02	<1	<0.1	0.4	<10	<2
537976	Soil			<0.02	<1	<0.1	1.7	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 3 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
537977	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537978	Soil			2.54	187.1	8.58	34.4	750	29.1	42.8	1342	2.57	2.1	0.6	8.0	<0.1	48.4	0.75	0.84	0.11	62	0.77	0.156
537979	Soil			3.84	106.8	3.07	34.4	491	12.5	14.6	1901	3.44	1.1	1.2	14.7	0.1	118.4	0.82	0.26	0.05	47	1.43	0.172
537980	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537981	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537982	Soil			0.77	15.61	8.26	43.1	243	7.2	4.2	768	0.83	<0.1	<0.1	2.6	<0.1	25.6	0.32	0.10	0.10	20	0.19	0.096
537983	Soil			0.82	11.89	5.00	40.8	242	3.8	2.3	520	0.50	<0.1	<0.1	787.3	<0.1	13.5	0.32	0.11	0.03	9	0.25	0.119
537984	Soil			0.91	14.92	11.43	33.8	1210	6.9	2.8	208	0.83	<0.1	<0.1	6.0	<0.1	24.8	0.25	0.21	0.12	26	0.19	0.090
537985	Soil			0.82	13.43	7.57	20.8	452	6.1	3.3	212	1.31	0.4	0.1	2.7	<0.1	27.1	0.18	0.19	0.11	37	0.19	0.042
537986	Soil			0.70	14.75	10.36	41.4	145	5.7	3.8	1241	1.19	0.3	0.1	7.4	<0.1	25.0	0.42	0.13	0.17	28	0.34	0.060
537987	Soil			1.19	9.67	10.51	36.1	305	6.0	2.6	361	0.76	0.2	<0.1	6.4	<0.1	26.6	0.22	0.15	0.11	24	0.30	0.068
537988	Soil			1.02	12.71	7.10	17.4	325	8.9	8.7	134	1.16	<0.1	0.2	2.8	<0.1	68.3	0.26	0.19	0.07	28	0.49	0.082
537989	Soil			0.84	13.93	7.04	45.7	773	6.1	4.5	692	1.32	0.3	<0.1	8.4	<0.1	22.5	0.20	0.16	0.08	31	0.37	0.088
540551	Soil			2.21	19.07	8.12	18.8	227	9.7	7.1	329	1.31	<0.1	<0.1	0.8	<0.1	40.1	0.35	0.13	0.07	32	0.54	0.091
540552	Soil			1.50	59.48	2.76	18.9	203	5.2	0.9	307	0.11	<0.1	0.1	0.3	<0.1	74.2	0.89	0.11	<0.02	4	2.33	0.096
540553	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540554	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540555	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540556	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540557	Soil			0.67	16.67	4.30	17.8	528	4.9	6.5	131	1.11	1.0	0.1	2.4	<0.1	31.5	0.07	0.22	0.07	34	0.34	0.062
540558	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540559	Soil			0.63	7.14	5.20	19.1	917	1.7	0.6	764	0.11	0.4	<0.1	1.6	<0.1	9.8	0.11	0.14	0.04	3	0.42	0.109
540560	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540561	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540562	Soil			1.29	5.99	7.66	17.3	442	2.7	2.0	546	0.79	0.5	<0.1	2.0	<0.1	22.7	0.07	0.14	0.10	25	0.28	0.056
540563	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540564	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540565	Soil			3.14	110.9	3.29	9.1	1489	1.5	0.4	646	0.11	0.2	0.2	1.7	<0.1	181.7	0.78	0.15	0.05	3	3.44	0.097
540566	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540567	Soil			0.83	16.71	5.94	24.7	1517	3.8	3.0	259	0.40	0.2	0.2	9.7	<0.1	55.6	0.25	0.17	0.08	12	0.72	0.095

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
537977	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537978	Soil	17.2	41.3	0.60	197.5	0.016	1	1.76	0.013	0.17	0.2	1.8	0.10	0.15	113	1.1	0.04	3.7	1.75	<0.1	0.03
537979	Soil	6.5	27.3	0.43	194.1	0.020	2	0.91	0.009	0.10	0.1	2.2	0.08	0.20	125	1.1	0.07	2.0	0.93	<0.1	<0.02
537980	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537981	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537982	Soil	1.7	16.2	0.09	173.3	0.005	<1	0.59	0.006	0.06	<0.1	0.1	<0.02	0.06	82	0.3	0.02	1.8	0.25	<0.1	<0.02
537983	Soil	0.6	8.3	0.11	57.5	0.016	1	0.24	0.007	0.08	<0.1	0.5	0.06	0.12	174	0.5	0.04	0.7	0.25	<0.1	<0.02
537984	Soil	2.2	15.4	0.08	155.5	0.013	<1	0.62	0.007	0.04	0.1	0.3	<0.02	0.06	131	0.4	<0.02	2.5	0.40	<0.1	<0.02
537985	Soil	2.7	17.7	0.11	106.0	0.040	<1	0.64	0.006	0.03	<0.1	0.6	<0.02	0.02	36	0.2	<0.02	3.2	0.31	<0.1	<0.02
537986	Soil	2.4	18.0	0.14	143.2	0.009	<1	0.78	0.005	0.04	<0.1	0.3	<0.02	0.03	53	0.2	0.03	2.9	0.39	<0.1	<0.02
537987	Soil	1.8	14.4	0.11	142.4	0.026	<1	0.47	0.005	0.04	0.1	0.4	<0.02	0.05	85	0.3	<0.02	2.5	0.29	<0.1	<0.02
537988	Soil	2.1	19.5	0.26	205.6	0.020	<1	0.48	0.006	0.08	0.1	0.5	<0.02	0.08	76	0.4	0.06	2.1	0.43	<0.1	<0.02
537989	Soil	1.2	21.5	0.20	80.9	0.046	2	0.49	0.005	0.06	<0.1	0.8	0.06	0.08	187	0.3	0.04	2.2	0.65	<0.1	<0.02
540551	Soil	1.3	27.0	0.18	96.9	0.018	<1	0.40	0.005	0.07	0.1	0.3	<0.02	0.07	61	0.3	<0.02	2.4	0.84	<0.1	<0.02
540552	Soil	1.3	2.8	0.09	44.4	0.003	3	0.12	0.010	0.06	<0.1	0.2	0.03	0.25	101	0.6	<0.02	0.1	0.12	<0.1	<0.02
540553	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540554	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540555	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540556	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540557	Soil	1.5	13.4	0.26	33.3	0.082	2	0.46	0.006	0.06	0.1	1.1	0.05	0.05	122	0.6	<0.02	2.7	0.80	<0.1	0.02
540558	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540559	Soil	0.5	2.6	0.04	92.7	0.005	1	0.07	0.005	0.08	<0.1	0.3	0.11	0.12	280	1.0	<0.02	0.3	0.41	<0.1	<0.02
540560	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540561	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540562	Soil	1.2	10.1	0.07	59.7	0.059	2	0.18	0.004	0.06	0.2	0.7	0.05	0.04	59	0.3	<0.02	1.9	0.42	<0.1	<0.02
540563	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540564	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540565	Soil	5.2	2.6	0.08	130.6	0.003	5	0.12	0.005	0.07	<0.1	0.4	0.03	0.18	220	0.3	<0.02	0.3	0.86	0.1	<0.02
540566	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540567	Soil	3.0	8.2	0.12	147.6	0.012	1	0.31	0.006	0.07	0.1	0.2	0.03	0.09	146	0.3	<0.02	1.7	0.61	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 3 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	1F
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	0.1
537977	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	11.09	124.3	4.37	16.9	2137	14.5	15.4	
537978	Soil	0.22	16.4	0.2	<0.05	<0.1	23.85	32.9	<0.02	3	0.7	5.8	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537979	Soil	0.18	10.1	0.1	<0.05	0.1	8.30	9.5	<0.02	<1	0.2	5.0	<10	<2	3.79	97.49	3.48	33.3	546	12.2	14.3
537980	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.68	48.07	2.74	18.4	386	8.0	6.7	
537981	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537982	Soil	0.13	3.7	0.2	<0.05	<0.1	0.78	3.0	<0.02	<1	0.1	0.7	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537983	Soil	0.08	5.9	0.1	<0.05	<0.1	0.35	1.1	<0.02	3	<0.1	0.4	<10	<2	0.86	11.69	5.11	42.3	172	3.1	2.2
537984	Soil	0.18	3.7	0.4	<0.05	<0.1	0.76	4.2	<0.02	<1	<0.1	0.6	<10	<2	0.87	13.57	10.36	32.6	1149	6.1	2.4
537985	Soil	0.57	2.7	0.4	<0.05	0.1	1.13	5.2	<0.02	2	0.1	0.8	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537986	Soil	0.10	5.8	0.3	<0.05	<0.1	1.14	4.5	<0.02	<1	<0.1	1.0	<10	<2	0.63	15.06	11.23	44.6	158	5.8	4.1
537987	Soil	0.23	3.2	0.3	<0.05	0.1	0.77	3.3	<0.02	<1	0.1	0.9	<10	<2	1.10	9.75	10.11	36.3	299	5.1	2.5
537988	Soil	0.25	10.6	0.2	<0.05	<0.1	1.38	3.8	<0.02	2	<0.1	1.7	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
537989	Soil	0.26	14.3	0.2	<0.05	0.2	0.81	2.4	<0.02	2	<0.1	1.5	<10	<2	0.91	14.00	7.35	48.2	822	5.4	4.5
540551	Soil	0.30	12.3	0.3	<0.05	<0.1	0.89	2.6	<0.02	<1	<0.1	1.4	<10	<2	1.95	17.27	8.14	20.5	227	7.5	6.4
540552	Soil	0.03	4.0	<0.1	<0.05	0.2	1.37	1.4	<0.02	<1	<0.1	0.1	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
540553	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.76	88.25	4.35	8.1	207	4.8	0.7	
540554	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.15	43.36	4.63	69.7	157	6.6	7.2	
540555	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.83	91.73	5.35	32.0	250	2.9	1.7	
540556	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.96	69.70	6.30	33.0	772	5.7	5.3	
540557	Soil	0.29	8.3	0.3	<0.05	0.4	1.82	3.1	<0.02	2	0.1	2.6	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
540558	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.73	8.68	5.09	26.7	1110	2.4	1.7	
540559	Soil	0.07	7.6	0.2	<0.05	0.2	0.17	1.0	<0.02	<1	<0.1	<0.1	<10	<2	0.66	37.73	5.22	20.8	905	1.6	0.7
540560	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.04	41.10	4.06	53.2	246	2.1	0.6	
540561	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.18	6.83	7.26	33.1	466	2.8	2.3	
540562	Soil	0.26	8.8	0.3	<0.05	0.5	0.83	2.4	<0.02	<1	<0.1	0.2	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
540563	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.92	25.64	3.79	56.2	453	3.4	0.8	
540564	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.23	11.47	7.09	27.7	671	3.4	2.9	
540565	Soil	0.03	6.1	0.2	<0.05	0.3	6.57	1.5	<0.02	2	0.2	0.1	<10	<2	2.40	111.2	2.87	8.5	1277	1.4	0.5
540566	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.40	42.98	5.06	49.2	265	1.8	0.8	
540567	Soil	0.18	8.3	0.2	<0.05	<0.1	2.02	5.2	<0.02	1	<0.1	0.7	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 3 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
537977	Soil	513	4.60	2.2	0.7	11.1	<0.1	54.0	1.57	0.42	0.06	41	0.64	0.254	7.1	18.2	0.13	140.0	0.003	<20	0.62
537978	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537979	Soil	1912	3.56	2.2	1.4	14.9	0.1	125.4	0.88	0.29	0.06	52	1.47	0.162	6.9	30.3	0.45	203.5	0.019	<20	0.95
537980	Soil	244	1.23	0.7	0.3	14.8	<0.1	64.6	0.89	0.18	0.04	15	0.95	0.203	4.7	10.1	0.13	118.8	0.001	<20	0.34
537981	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537982	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537983	Soil	485	0.53	0.5	<0.1	2.0	<0.1	16.6	0.27	0.15	0.09	13	0.28	0.114	0.6	9.2	0.14	62.4	0.019	<20	0.26
537984	Soil	186	0.85	0.6	<0.1	0.9	<0.1	34.3	0.31	0.19	0.12	30	0.22	0.079	2.7	15.4	0.10	156.7	0.021	<20	0.67
537985	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537986	Soil	1306	1.35	0.6	0.1	6.9	<0.1	37.9	0.51	0.14	0.19	36	0.41	0.066	3.2	20.1	0.20	166.1	0.023	<20	0.89
537987	Soil	353	0.88	0.6	<0.1	3.7	<0.1	34.7	0.21	0.17	0.15	30	0.35	0.071	2.2	14.3	0.15	147.0	0.038	<20	0.53
537988	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537989	Soil	691	1.20	0.7	<0.1	1.5	<0.1	29.8	0.25	0.17	0.12	33	0.42	0.093	1.5	18.1	0.25	97.0	0.051	<20	0.53
540551	Soil	309	1.32	0.7	0.1	0.5	<0.1	55.6	0.34	0.17	0.08	38	0.62	0.105	1.6	25.5	0.22	108.1	0.040	<20	0.47
540552	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540553	Soil	325	0.10	<0.1	0.2	1.1	<0.1	86.4	1.10	0.14	0.12	6	2.74	0.084	0.9	3.9	0.10	49.9	0.002	<20	0.11
540554	Soil	5974	0.38	0.7	<0.1	2.9	<0.1	100.0	0.73	0.25	0.08	7	2.88	0.141	0.6	6.0	0.13	143.1	0.002	<20	0.16
540555	Soil	210	0.11	0.8	<0.1	3.8	<0.1	31.7	0.34	0.17	0.16	2	0.73	0.124	<0.5	4.3	0.10	82.9	0.005	<20	0.10
540556	Soil	99	0.23	0.3	<0.1	1.7	<0.1	47.1	0.23	0.12	0.12	5	0.54	0.118	0.8	5.5	0.23	104.5	0.008	<20	0.19
540557	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540558	Soil	642	0.75	0.9	<0.1	0.5	<0.1	23.6	0.10	0.24	0.06	21	0.34	0.074	0.9	12.4	0.08	105.8	0.038	<20	0.18
540559	Soil	784	0.13	<0.1	<0.1	1.6	<0.1	12.9	0.14	0.15	0.11	3	0.42	0.126	0.6	3.1	0.05	103.4	0.005	<20	0.09
540560	Soil	2625	0.11	<0.1	<0.1	4.1	<0.1	7.9	0.13	0.09	0.12	2	0.38	0.168	<0.5	3.7	0.09	96.9	0.003	<20	0.09
540561	Soil	2621	0.45	<0.1	<0.1	4.4	<0.1	26.2	0.12	0.14	0.07	14	0.37	0.109	1.2	7.9	0.11	120.2	0.020	<20	0.21
540562	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540563	Soil	1636	0.08	0.3	<0.1	1.8	<0.1	9.9	0.18	0.08	0.10	2	0.41	0.147	<0.5	6.2	0.07	82.1	0.005	<20	0.11
540564	Soil	474	1.15	0.5	<0.1	0.9	<0.1	26.9	0.28	0.12	0.08	26	0.35	0.087	1.3	15.4	0.09	95.0	0.041	<20	0.22
540565	Soil	604	0.12	<0.1	0.2	2.8	<0.1	186.1	0.81	0.14	0.04	3	3.28	0.102	5.0	2.3	0.08	133.5	0.002	<20	0.11
540566	Soil	111	0.15	0.3	<0.1	2.1	<0.1	50.0	0.17	0.11	0.12	3	0.52	0.123	<0.5	4.3	0.06	132.9	0.004	<20	0.10
540567	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 3 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method Analyte Unit MDL	1F Na % 0.001	1F K % 0.01	1F W ppm 0.1	1F Sc ppm 0.1	1F TI ppm 0.02	1F S % 0.02	1F Hg ppb 5	1F Se ppm 0.1	1F Te ppm 0.02	1F Ga ppm 0.1	1F Cs ppm 0.02	1F Ge ppm 0.1	1F Hf ppm 0.02	1F Nb ppm 0.02	1F Rb ppm 0.1	1F Sn ppm 0.1	1F Ta ppm 0.05	1F Zr ppm 0.1	1F Y ppm 0.01	1F Ce ppm 0.1	
537977	Soil	0.024	0.09	0.1	0.7	0.26	0.31	211	0.9	0.02	0.9	0.52	<0.1	<0.02	0.14	5.2	<0.1	<0.05	<0.1	11.92	11.3
537978	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537979	Soil	0.009	0.11	0.2	2.1	0.10	0.19	144	0.8	0.03	2.5	1.03	<0.1	<0.02	0.23	11.3	0.1	<0.05	<0.1	9.70	11.4
537980	Soil	0.025	0.07	<0.1	0.3	0.08	0.29	118	0.4	<0.02	0.3	0.29	<0.1	<0.02	0.06	3.8	0.1	<0.05	<0.1	6.67	8.5
537981	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537982	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537983	Soil	0.007	0.09	<0.1	0.6	0.06	0.09	188	0.4	<0.02	0.9	0.27	<0.1	<0.02	0.14	6.6	0.2	<0.05	<0.1	0.48	1.6
537984	Soil	0.006	0.04	<0.1	0.4	0.02	0.06	114	0.2	0.02	3.1	0.42	<0.1	<0.02	0.37	3.9	0.4	<0.05	<0.1	1.11	5.5
537985	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537986	Soil	0.002	0.05	<0.1	0.5	0.04	0.04	56	0.4	0.03	3.7	0.57	<0.1	<0.02	0.16	9.1	0.3	<0.05	<0.1	1.62	6.5
537987	Soil	0.006	0.05	0.2	0.5	0.03	0.06	77	0.3	<0.02	2.8	0.36	<0.1	<0.02	0.32	4.2	0.4	<0.05	0.1	1.08	4.4
537988	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537989	Soil	0.007	0.06	0.1	0.9	0.07	0.08	185	0.3	0.03	2.4	0.66	<0.1	<0.02	0.34	14.7	0.3	<0.05	0.2	1.06	3.2
540551	Soil	0.005	0.07	0.1	0.5	0.02	0.07	64	0.2	0.03	2.7	1.03	<0.1	<0.02	0.40	15.9	0.3	<0.05	<0.1	1.28	3.9
540552	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540553	Soil	0.012	0.05	<0.1	0.2	0.02	0.24	107	0.4	<0.02	0.2	0.09	<0.1	<0.02	0.05	3.0	<0.1	<0.05	0.1	1.28	1.2
540554	Soil	0.018	0.09	<0.1	0.2	0.14	0.28	106	0.9	0.04	0.3	0.08	<0.1	<0.02	0.03	5.2	0.1	<0.05	<0.1	0.98	1.0
540555	Soil	0.010	0.12	<0.1	0.3	0.04	0.16	142	0.3	<0.02	0.2	0.21	<0.1	<0.02	0.06	7.4	0.1	<0.05	0.2	0.21	1.1
540556	Soil	0.009	0.08	<0.1	0.4	0.04	0.16	133	0.4	0.02	0.5	0.23	<0.1	<0.02	0.08	6.5	0.1	<0.05	<0.1	0.83	2.0
540557	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540558	Soil	0.007	0.07	<0.1	1.0	0.09	0.07	186	0.3	<0.02	1.2	0.52	<0.1	<0.02	0.22	8.3	0.2	<0.05	0.1	0.69	2.1
540559	Soil	0.006	0.09	<0.1	0.5	0.11	0.12	260	0.2	0.03	0.3	0.41	<0.1	<0.02	0.06	7.9	0.2	<0.05	<0.1	0.20	1.4
540560	Soil	0.007	0.16	<0.1	0.3	0.17	0.12	173	0.1	<0.02	0.3	0.30	<0.1	<0.02	0.03	20.0	0.1	<0.05	<0.1	0.15	1.0
540561	Soil	0.006	0.11	<0.1	0.4	0.12	0.08	109	0.1	<0.02	1.2	0.42	<0.1	<0.02	0.07	13.4	0.2	<0.05	<0.1	0.64	2.5
540562	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540563	Soil	0.006	0.13	<0.1	0.1	0.15	0.12	238	0.3	<0.02	0.2	0.32	<0.1	<0.02	0.04	17.5	0.1	<0.05	<0.1	0.15	1.0
540564	Soil	0.008	0.08	0.1	0.7	0.07	0.07	97	0.1	0.03	1.1	0.52	<0.1	<0.02	0.22	11.3	0.2	<0.05	0.4	0.84	2.9
540565	Soil	0.005	0.08	<0.1	0.4	<0.02	0.18	171	0.3	0.02	0.2	0.74	<0.1	<0.02	0.03	5.3	<0.1	<0.05	0.1	6.38	1.7
540566	Soil	0.008	0.10	<0.1	0.3	0.02	0.15	194	0.3	<0.02	0.3	0.99	<0.1	<0.02	0.07	6.6	0.1	<0.05	0.2	0.17	1.2
540567	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 3 of 9 **Part** 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
537977	Soil	<0.02	<1	0.3	1.1	<10	<2
537978	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537979	Soil	<0.02	<1	0.2	5.8	<10	<2
537980	Soil	<0.02	2	0.2	0.5	<10	<2
537981	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537982	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537983	Soil	<0.02	<1	<0.1	0.7	<10	<2
537984	Soil	<0.02	<1	0.2	0.6	<10	<2
537985	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537986	Soil	<0.02	1	0.1	1.4	<10	<2
537987	Soil	<0.02	1	<0.1	1.1	<10	<2
537988	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537989	Soil	<0.02	<1	<0.1	1.6	<10	<2
540551	Soil	<0.02	1	0.1	1.7	<10	<2
540552	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540553	Soil	<0.02	<1	<0.1	0.1	<10	<2
540554	Soil	<0.02	1	<0.1	0.3	<10	<2
540555	Soil	<0.02	2	<0.1	0.2	<10	<2
540556	Soil	<0.02	<1	0.1	0.3	<10	<2
540557	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540558	Soil	<0.02	<1	<0.1	0.4	<10	<2
540559	Soil	<0.02	<1	<0.1	0.2	<10	<2
540560	Soil	<0.02	<1	<0.1	0.2	<10	<2
540561	Soil	<0.02	<1	0.1	0.4	<10	<2
540562	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540563	Soil	<0.02	<1	<0.1	0.1	<10	<2
540564	Soil	<0.02	1	<0.1	0.4	<10	<2
540565	Soil	<0.02	<1	<0.1	0.3	<10	<2
540566	Soil	<0.02	2	<0.1	0.3	<10	<2
540567	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
540987	Soil	1.52	7.66	6.44	31.6	639	1.4	0.5	412	0.10	<0.1	<0.1	0.3	0.1	28.6	0.31	0.10	0.04	3	0.44	0.115
540988	Soil	1.27	7.76	6.48	30.0	464	2.3	1.7	353	0.50	0.4	<0.1	3.6	<0.1	21.4	0.12	0.15	0.07	16	0.36	0.094
510501	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510502	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510503	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510504	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510505	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510506	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510507	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510508	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510509	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510511	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510512	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510513	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510514	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510515	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510516	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510517	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510518	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510519	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510520	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510521	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510522	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510523	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
540959	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540960	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540961	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540962	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
540987	Soil	<0.5	3.0	0.04	83.1	0.003	1	0.08	0.006	0.09	<0.1	0.3	0.04	0.14	258	0.4	<0.02	0.4	0.53	<0.1	<0.02
540988	Soil	0.9	6.4	0.07	110.0	0.009	<1	0.22	0.004	0.08	0.1	0.2	0.05	0.09	221	0.4	<0.02	1.2	0.51	<0.1	<0.02
510501	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510502	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510503	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510504	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510505	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510506	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510507	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510508	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510509	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510511	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510512	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510513	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510514	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510515	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510516	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510517	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510518	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510519	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510520	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510521	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510522	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510523	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
540959	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540960	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540961	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540962	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 4 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
540987	Soil	0.06	4.8	0.2	<0.05	0.2	0.18	0.7	<0.02	<1	<0.1	0.3	<10	<2	1.52	17.02	6.57	35.5	649	1.5	0.6
540988	Soil	0.12	5.2	0.2	<0.05	<0.1	0.30	1.6	<0.02	<1	<0.1	0.4	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
510501	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510502	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510503	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510504	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510505	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510506	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510507	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510508	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510509	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510511	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510512	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510513	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510514	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510515	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510516	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510517	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510518	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510519	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510520	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510521	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510522	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510523	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
540959	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.95	24.41	7.67	21.5	889	5.2	4.1
540960	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.01	11.79	5.75	26.0	512	5.1	3.5
540961	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.78	26.03	4.16	20.4	837	8.1	4.3
540962	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.33	51.11	8.47	27.0	1131	9.9	24.8
540963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.99	45.80	2.44	18.4	767	8.7	5.8

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 4 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
540987	Soil	459	0.12	0.2	<0.1	1.8	<0.1	35.2	0.28	0.13	0.07	3	0.52	0.142	<0.5	3.3	0.05	91.7	0.004	<20	0.11
540988	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
510501	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510502	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510503	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510504	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510505	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510506	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510507	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510508	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510509	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510511	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510512	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510513	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510514	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510515	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510516	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510517	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510518	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510519	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510520	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510521	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510522	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510523	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
540959	Soil	128	0.28	0.2	<0.1	2.1	<0.1	37.5	0.16	0.10	0.07	9	0.31	0.110	1.2	8.2	0.15	152.6	0.009	<20	0.25
540960	Soil	123	0.19	<0.1	<0.1	4.1	<0.1	37.8	0.19	0.11	0.05	5	0.33	0.123	0.9	6.1	0.17	113.3	0.011	<20	0.16
540961	Soil	148	0.72	0.4	0.3	3.2	<0.1	61.9	0.16	0.19	0.05	24	1.00	0.108	4.3	18.0	0.34	90.9	0.028	<20	0.51
540962	Soil	2417	0.81	0.2	1.2	1.7	<0.1	56.1	0.97	0.41	0.08	18	0.91	0.178	8.9	13.1	0.29	157.4	0.007	<20	0.52
540963	Soil	162	0.88	<0.1	1.9	3.3	<0.1	63.6	0.49	0.24	0.05	20	1.17	0.217	6.7	17.3	0.31	85.1	0.007	<20	0.64

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 4 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
Unit	MDL	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
540987	Soil	0.007	0.10	<0.1	0.5	0.04	0.15	230	0.5	0.03	0.3	0.56	<0.1	<0.02	0.03	5.8	0.1	<0.05	<0.1	0.20	1.2
540988	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
510501	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510502	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510503	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510504	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510505	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510506	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510507	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510508	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510509	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510511	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510512	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510513	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510514	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510515	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510516	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510517	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510518	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510519	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510520	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510521	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510522	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510523	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
540959	Soil	0.007	0.09	<0.1	0.3	0.03	0.11	116	0.4	<0.02	0.8	0.45	<0.1	<0.02	0.18	8.6	0.2	<0.05	<0.1	0.59	2.5
540960	Soil	0.007	0.10	<0.1	0.4	0.04	0.11	121	0.2	<0.02	0.6	0.40	<0.1	<0.02	0.13	8.3	0.1	<0.05	<0.1	0.43	2.0
540961	Soil	0.007	0.07	0.7	0.7	0.02	0.11	150	0.4	<0.02	1.9	0.52	<0.1	<0.02	0.29	7.4	0.2	<0.05	<0.1	4.08	8.3
540962	Soil	0.009	0.13	<0.1	0.6	0.12	0.14	286	0.5	0.03	1.2	0.55	<0.1	<0.02	0.12	11.7	0.2	<0.05	<0.1	9.12	18.8
540963	Soil	0.009	0.12	0.1	0.3	0.04	0.16	202	0.4	<0.02	1.5	0.57	<0.1	<0.02	0.30	12.4	0.1	<0.05	<0.1	6.50	13.3

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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 4 of 9 **Part** 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
540987	Soil	<0.02	<1	<0.1	0.2	<10	<2
540988	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
510501	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510502	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510503	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510504	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510505	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510506	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510507	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510508	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510509	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510511	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510512	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510513	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510514	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510515	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510516	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510517	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510518	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510519	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510520	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510521	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510522	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
510523	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
540959	Soil	<0.02	1	<0.1	0.4	<10	<2
540960	Soil	<0.02	<1	0.1	0.2	<10	<2
540961	Soil	<0.02	<1	0.3	1.8	<10	<2
540962	Soil	<0.02	1	0.4	1.4	<10	<2
540963	Soil	<0.02	<1	0.3	1.6	<10	<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

Project: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
540964	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540965	Soil	1.03	53.01	10.23	36.2	850	23.1	71.8	2095	1.58	0.3	0.5	3.1	<0.1	37.6	0.23	0.36	0.07	40	0.47	0.171
540966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540967	Soil	1.28	67.45	5.11	21.7	453	13.9	18.2	3363	0.38	<0.1	0.5	2.9	0.1	82.6	1.36	0.63	0.03	6	1.48	0.204
540968	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540969	Soil	2.09	18.50	5.91	14.8	330	5.6	6.2	745	0.67	0.3	0.2	1.5	0.1	74.4	0.97	0.09	0.06	18	1.36	0.133
540970	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540971	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540972	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540973	Soil	1.11	23.60	5.34	58.7	215	4.8	5.5	1007	0.60	0.2	<0.1	<0.2	<0.1	89.4	2.48	0.08	0.05	17	2.43	0.146
540974	Soil	0.88	8.98	8.44	44.5	161	3.7	2.5	205	0.49	<0.1	<0.1	0.2	<0.1	22.3	0.28	0.12	0.05	12	0.35	0.119
540975	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540976	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540977	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540978	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540979	Soil	0.93	8.30	6.20	49.5	695	2.5	1.5	737	0.20	<0.1	0.1	<0.2	<0.1	13.6	0.18	0.10	0.09	6	0.42	0.139
540980	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540981	Soil	1.58	8.00	7.23	12.9	149	2.2	1.6	203	0.23	0.3	<0.1	2.5	<0.1	76.8	0.37	0.11	0.10	7	0.99	0.132
540982	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540983	Soil	0.72	4.11	6.82	47.4	1461	2.1	0.8	1475	0.12	<0.1	<0.1	1.0	<0.1	15.4	0.12	0.10	0.07	3	0.41	0.146
540984	Soil	0.87	6.01	6.75	51.8	1680	2.8	1.0	960	0.19	<0.1	<0.1	3.4	<0.1	20.9	0.22	0.12	0.07	5	0.52	0.131
540985	Soil	0.91	14.17	6.12	34.1	1235	5.6	26.0	655	0.63	<0.1	0.2	1.2	<0.1	33.8	0.29	0.13	0.07	6	0.43	0.261
1115096	Soil	0.32	27.58	4.56	38.4	188	3.2	6.9	397	1.92	0.2	<0.1	0.6	<0.1	39.9	0.10	0.09	0.06	61	0.38	0.058
1115097	Soil	1.29	16.98	7.65	40.3	453	8.9	6.6	560	2.06	1.0	0.1	1.8	<0.1	37.2	0.26	0.19	0.10	69	0.46	0.087
1115098	Soil	1.83	68.41	6.00	42.3	104	11.3	17.3	1941	3.03	1.4	0.2	14.6	0.2	49.0	0.27	0.43	0.11	82	0.56	0.095
1115099	Soil	1.27	14.58	5.97	21.5	679	6.8	8.7	164	1.37	0.3	0.1	15.7	<0.1	43.1	0.58	0.27	0.09	39	0.36	0.112
1115100	Soil	1.59	25.42	8.55	44.6	1744	11.6	10.8	1856	2.09	0.8	0.5	8.3	0.2	69.2	0.69	0.28	0.12	50	1.20	0.117
537441	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537442	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537443	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
540964	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
540965	Soil	10.9	38.9	0.45	174.6	0.031	<1	1.10	0.006	0.10	0.2	1.3	0.07	0.10	199	0.8	0.02	2.4	1.24	0.2	<0.02
540966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540967	Soil	14.9	11.6	0.18	134.2	0.005	<1	0.59	0.008	0.09	<0.1	1.4	0.12	0.20	328	0.9	<0.02	0.6	0.30	0.5	<0.02
540968	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540969	Soil	1.1	11.5	0.29	75.8	0.017	<1	0.27	0.007	0.08	0.1	0.7	0.03	0.20	130	0.4	<0.02	1.3	0.54	0.1	<0.02
540970	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540971	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540972	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540973	Soil	0.6	10.0	0.29	65.0	0.017	3	0.22	0.005	0.10	<0.1	0.6	0.03	0.23	123	0.5	<0.02	1.1	0.39	0.2	<0.02
540974	Soil	0.6	8.1	0.09	117.0	0.011	<1	0.22	0.005	0.10	0.1	0.2	0.03	0.11	184	0.8	<0.02	1.0	0.62	0.2	<0.02
540975	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540976	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540977	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540978	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540979	Soil	0.6	4.9	0.07	93.1	0.009	<1	0.11	0.005	0.13	<0.1	0.3	0.14	0.14	287	0.3	<0.02	0.6	0.35	0.2	<0.02
540980	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540981	Soil	<0.5	5.4	0.10	31.7	0.007	2	0.09	0.004	0.12	<0.1	0.5	0.05	0.15	216	0.3	<0.02	0.4	0.19	<0.1	<0.02
540982	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540983	Soil	<0.5	2.8	0.06	90.9	0.007	2	0.10	0.006	0.13	<0.1	0.6	0.11	0.11	223	0.4	<0.02	0.3	0.40	<0.1	<0.02
540984	Soil	0.7	3.5	0.07	108.5	0.010	1	0.15	0.007	0.09	<0.1	0.4	0.12	0.12	284	0.4	<0.02	0.4	0.29	<0.1	<0.02
540985	Soil	3.2	4.4	0.13	85.6	0.004	2	0.47	0.006	0.16	<0.1	0.5	0.10	0.15	186	0.4	<0.02	0.5	0.35	<0.1	<0.02
1115096	Soil	1.1	3.3	0.50	100.3	0.148	<1	0.93	0.007	0.05	<0.1	1.3	<0.02	0.03	59	0.2	<0.02	3.8	0.43	<0.1	0.03
1115097	Soil	1.8	22.8	0.40	158.2	0.039	<1	0.83	0.008	0.07	0.2	1.3	0.05	0.05	96	0.2	<0.02	3.7	0.85	<0.1	<0.02
1115098	Soil	3.1	30.1	0.78	248.6	0.049	<1	1.35	0.008	0.11	0.1	3.2	0.06	0.06	120	0.2	0.03	4.2	1.24	<0.1	<0.02
1115099	Soil	1.7	21.0	0.34	84.5	0.013	<1	0.61	0.007	0.09	0.1	0.4	0.03	0.09	84	0.3	0.04	2.5	0.79	<0.1	<0.02
1115100	Soil	3.8	40.4	0.53	127.6	0.032	<1	0.95	0.006	0.08	0.2	2.0	0.04	0.06	113	0.3	<0.02	3.5	2.32	<0.1	<0.02
537441	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537442	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537443	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 5 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
540964	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.02	47.20	4.14	21.4	365	9.4	18.5	
540965	Soil	0.23	20.0	0.2	<0.05	<0.1	11.74	29.4	<0.02	2	0.3	3.6	<10	<2	0.98	53.92	9.17	33.5	765	21.3	66.5
540966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.33	19.08	3.82	21.0	325	5.3	4.5	
540967	Soil	0.06	7.4	<0.1	<0.05	0.2	17.05	40.0	<0.02	<1	0.6	<0.1	<10	<2	0.98	63.73	3.93	21.1	346	13.4	17.2
540968	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.63	62.93	1.92	11.5	431	9.7	2.9	
540969	Soil	0.20	13.0	0.2	<0.05	0.2	0.79	2.2	<0.02	<1	0.1	1.2	<10	2	1.66	15.55	5.07	12.6	256	4.6	5.0
540970	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.75	28.67	3.63	22.0	264	6.1	21.5	
540971	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.66	26.58	2.87	32.6	82	2.0	7.6	
540972	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.19	15.96	5.37	22.8	54	2.8	2.0	
540973	Soil	0.15	23.9	0.2	<0.05	<0.1	0.61	0.9	<0.02	<1	0.1	0.6	<10	<2	1.00	22.17	4.64	48.4	172	4.2	4.7
540974	Soil	0.07	15.5	0.2	<0.05	<0.1	0.33	1.3	<0.02	4	0.2	0.4	<10	<2	0.82	7.77	7.47	45.8	149	3.0	2.2
540975	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.06	21.58	1.63	28.6	45	3.2	3.1	
540976	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.89	8.02	8.15	26.7	302	4.3	2.6	
540977	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.93	24.27	3.81	36.4	699	7.0	6.9	
540978	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.13	45.18	2.76	14.9	957	6.5	15.4	
540979	Soil	0.08	11.5	0.2	<0.05	<0.1	0.35	1.1	<0.02	1	<0.1	0.1	<10	<2	0.90	8.01	5.90	47.4	693	2.6	1.4
540980	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.94	13.42	8.25	58.2	802	3.8	2.5	
540981	Soil	0.07	7.2	0.1	<0.05	0.1	0.24	0.7	<0.02	2	<0.1	0.5	<10	<2	1.81	9.53	8.45	14.4	194	2.3	1.9
540982	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.39	23.11	2.76	11.9	248	4.6	39.0	
540983	Soil	0.04	12.4	<0.1	<0.05	<0.1	0.16	0.8	<0.02	2	<0.1	0.1	<10	<2	0.69	5.54	7.19	49.2	1454	2.4	1.1
540984	Soil	0.10	4.8	0.1	<0.05	<0.1	0.26	1.3	<0.02	<1	<0.1	0.3	<10	<2	0.96	8.10	7.76	54.6	1822	3.0	1.2
540985	Soil	0.04	13.4	0.1	<0.05	<0.1	2.61	6.5	<0.02	2	0.2	0.4	<10	<2	0.89	14.02	5.93	30.0	1170	5.0	23.8
1115096	Soil	0.68	3.0	0.2	<0.05	0.3	1.51	2.4	<0.02	<1	<0.1	3.9	<10	<2	0.32	29.98	4.75	39.5	195	3.4	6.9
1115097	Soil	0.60	7.9	0.2	<0.05	0.2	1.20	3.6	<0.02	<1	<0.1	4.6	<10	<2	1.30	20.38	8.47	42.5	506	8.9	6.9
1115098	Soil	0.35	16.3	0.1	<0.05	<0.1	2.71	7.9	<0.02	<1	0.1	10.3	<10	<2	1.74	77.07	6.51	46.4	108	12.1	18.1
1115099	Soil	0.16	10.8	0.2	<0.05	<0.1	0.99	3.4	<0.02	2	0.1	2.7	<10	<2	1.33	16.91	6.41	21.3	655	8.0	9.3
1115100	Soil	0.80	14.0	0.3	<0.05	0.1	2.53	8.0	<0.02	<1	0.1	14.1	<10	<2	1.54	29.37	9.29	45.4	1837	12.4	10.8
537441	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	11.40	142.4	3.34	32.2	120	82.0	13.4	
537442	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537443	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.33	27.91	5.61	77.3	171	10.1	4.2	

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

Project: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 5 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method Analyte	Unit	MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
			Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
			ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%		
			1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
540964	Soil		308	0.78	0.4	0.6	4.5	<0.1	52.2	0.26	0.24	0.07	15	0.68	0.149	6.9	11.3	0.22	150.0	0.009	<20	0.54
540965	Soil		2254	1.67	0.6	0.5	2.7	<0.1	44.9	0.24	0.33	0.09	44	0.48	0.182	11.0	37.6	0.49	181.5	0.032	<20	1.18
540966	Soil		158	0.53	<0.1	0.1	2.5	<0.1	55.4	0.32	0.10	0.06	17	0.97	0.109	1.2	14.9	0.34	48.4	0.023	<20	0.33
540967	Soil		3142	0.36	0.2	0.4	2.4	<0.1	77.6	1.21	0.53	0.04	5	1.35	0.187	12.9	11.0	0.20	124.4	0.003	<20	0.57
540968	Soil		656	0.34	0.4	0.7	3.5	<0.1	95.6	0.87	0.31	0.04	7	1.67	0.182	10.2	7.8	0.19	105.2	0.002	<20	0.52
540969	Soil		645	0.70	0.9	0.2	6.4	0.1	74.6	0.80	0.12	0.39	18	1.30	0.133	0.9	10.4	0.29	63.3	0.014	<20	0.28
540970	Soil		3597	4.92	1.7	<0.1	27.4	<0.1	74.6	0.50	0.18	0.13	25	1.49	0.232	0.8	7.9	0.10	98.0	0.002	<20	0.16
540971	Soil		8310	2.05	1.2	0.1	0.9	<0.1	115.8	0.77	0.07	0.08	4	2.43	0.179	<0.5	4.3	0.12	367.6	0.002	<20	0.08
540972	Soil		82	0.11	0.9	<0.1	1.8	<0.1	52.3	2.06	0.10	0.09	<2	1.12	0.118	<0.5	3.2	0.11	17.6	0.002	<20	0.07
540973	Soil		980	0.65	1.3	<0.1	0.5	<0.1	91.7	2.17	0.10	0.05	18	2.40	0.145	0.5	10.2	0.33	65.9	0.010	<20	0.23
540974	Soil		223	0.47	1.2	<0.1	0.7	<0.1	24.3	0.30	0.12	0.13	11	0.31	0.136	0.5	8.0	0.11	118.1	0.008	<20	0.25
540975	Soil		3394	0.70	1.3	<0.1	3.1	<0.1	122.2	0.09	0.24	0.05	<2	2.90	0.112	<0.5	5.2	0.11	69.7	0.001	<20	0.05
540976	Soil		286	0.43	1.1	<0.1	<0.2	<0.1	23.0	0.15	0.12	0.08	12	0.24	0.106	1.1	7.9	0.10	136.8	0.008	<20	0.21
540977	Soil		59	0.61	1.7	0.1	12.3	<0.1	46.2	0.49	0.14	0.24	13	0.66	0.116	2.4	11.4	0.17	112.8	0.011	<20	0.31
540978	Soil		2470	1.37	2.0	0.3	16.3	<0.1	139.7	1.42	0.25	0.05	22	2.48	0.180	2.9	16.2	0.24	74.8	0.007	<20	0.48
540979	Soil		753	0.21	1.0	0.1	<0.2	<0.1	15.1	0.17	0.11	0.14	5	0.38	0.149	<0.5	4.6	0.08	97.9	0.005	<20	0.12
540980	Soil		608	0.47	1.8	<0.1	2.7	<0.1	16.9	0.21	0.13	0.15	12	0.26	0.147	0.8	8.2	0.09	94.2	0.006	<20	0.17
540981	Soil		238	0.24	1.1	<0.1	<0.2	<0.1	95.0	0.43	0.12	0.07	7	1.10	0.146	<0.5	6.7	0.12	39.5	0.008	<20	0.11
540982	Soil		3135	1.90	1.2	<0.1	0.7	<0.1	110.0	0.50	0.16	0.10	9	2.44	0.179	<0.5	9.4	0.12	56.4	0.002	<20	0.15
540983	Soil		1534	0.17	0.8	<0.1	0.2	<0.1	18.4	0.12	0.13	0.08	3	0.43	0.149	<0.5	3.9	0.07	101.9	0.006	<20	0.11
540984	Soil		955	0.24	1.0	<0.1	0.3	<0.1	27.1	0.22	0.12	0.07	6	0.56	0.136	0.8	5.8	0.08	122.5	0.009	<20	0.16
540985	Soil		633	0.64	1.4	0.2	0.4	<0.1	36.4	0.29	0.12	0.06	7	0.40	0.224	3.3	4.8	0.12	91.5	0.002	<20	0.41
1115096	Soil		386	1.88	1.7	<0.1	<0.2	<0.1	38.4	0.10	0.07	0.04	61	0.30	0.061	1.1	3.5	0.50	105.7	0.149	<20	0.89
1115097	Soil		598	2.02	3.0	0.1	<0.2	<0.1	44.1	0.31	0.23	0.08	72	0.47	0.098	2.2	22.3	0.44	180.4	0.050	<20	0.80
1115098	Soil		2082	3.09	3.4	0.2	10.6	0.2	55.1	0.28	0.44	0.10	89	0.58	0.104	3.4	28.8	0.82	270.3	0.052	<20	1.34
1115099	Soil		173	1.35	2.4	0.2	5.0	<0.1	45.4	0.58	0.28	0.11	40	0.34	0.114	1.8	21.8	0.36	90.3	0.011	<20	0.62
1115100	Soil		2018	2.11	2.3	0.5	1.2	0.2	82.2	0.78	0.27	0.13	51	1.29	0.125	4.2	39.0	0.54	137.0	0.031	<20	0.98
537441	Soil		440	1.05	1.8	0.2	2.4	<0.1	57.5	0.43	0.13	0.09	23	1.22	0.108	1.9	52.6	1.05	55.3	0.019	<20	0.73
537442	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537443	Soil		1602	0.31	1.7	<0.1	4.9	<0.1	48.8	0.14	0.12	0.07	6	0.68	0.168	0.7	10.1	0.11	265.0	0.006	<20	0.25

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 5 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
540964	Soil			0.007	0.10	<0.1	0.3	0.04	0.11	159	0.4	<0.02	1.1	0.60	<0.1	<0.02	0.20	13.0	0.2	<0.05	<0.1	6.88	13.9
540965	Soil			0.007	0.12	0.1	1.5	0.07	0.10	169	0.5	0.03	2.6	1.13	<0.1	<0.02	0.26	18.8	0.2	<0.05	<0.1	11.76	25.6
540966	Soil			0.007	0.08	0.1	0.5	<0.02	0.16	106	0.2	<0.02	1.1	0.36	<0.1	<0.02	0.20	5.5	0.1	<0.05	<0.1	0.98	2.6
540967	Soil			0.007	0.09	<0.1	0.5	0.09	0.18	229	0.7	<0.02	0.5	0.22	0.2	<0.02	0.04	6.2	<0.1	<0.05	<0.1	15.19	32.2
540968	Soil			0.008	0.07	<0.1	0.4	0.05	0.23	129	0.6	<0.02	0.3	0.08	0.2	<0.02	0.04	3.1	<0.1	<0.05	<0.1	12.64	19.7
540969	Soil			0.008	0.08	<0.1	0.6	0.04	0.18	107	0.3	0.02	1.0	0.45	<0.1	<0.02	0.13	10.5	0.2	<0.05	<0.1	0.65	1.4
540970	Soil			0.018	0.08	<0.1	0.3	0.09	0.24	107	0.3	<0.02	0.3	0.11	<0.1	<0.02	0.04	4.5	0.2	<0.05	<0.1	1.69	1.4
540971	Soil			0.010	0.08	<0.1	0.2	0.06	0.30	116	0.5	<0.02	0.3	0.25	<0.1	<0.02	0.03	4.7	<0.1	<0.05	<0.1	0.39	0.4
540972	Soil			0.008	0.07	<0.1	0.4	<0.02	0.19	142	0.4	0.03	0.1	0.06	<0.1	<0.02	0.02	5.4	0.1	<0.05	0.2	0.27	0.4
540973	Soil			0.006	0.11	<0.1	0.3	0.03	0.22	111	0.2	<0.02	0.9	0.32	<0.1	<0.02	0.10	21.2	<0.1	<0.05	<0.1	0.55	0.8
540974	Soil			0.005	0.10	<0.1	0.3	0.02	0.11	177	0.2	0.03	0.8	0.55	<0.1	<0.02	0.04	15.3	0.2	<0.05	<0.1	0.25	0.7
540975	Soil			0.010	0.07	<0.1	0.1	<0.02	0.21	47	0.3	<0.02	0.1	0.09	<0.1	<0.02	0.03	4.4	0.2	<0.05	0.1	0.22	<0.1
540976	Soil			0.006	0.07	<0.1	0.2	0.04	0.09	126	0.2	0.02	0.9	0.29	<0.1	<0.02	0.09	5.3	0.2	<0.05	<0.1	0.38	1.5
540977	Soil			0.007	0.08	<0.1	0.3	<0.02	0.13	117	<0.1	<0.02	1.1	0.29	<0.1	<0.02	0.17	10.0	0.2	<0.05	<0.1	2.88	4.4
540978	Soil			0.008	0.06	0.3	0.4	0.12	0.19	126	0.5	<0.02	0.9	0.40	<0.1	<0.02	0.10	7.7	<0.1	<0.05	<0.1	3.68	5.2
540979	Soil			0.006	0.14	<0.1	0.2	0.13	0.14	219	0.2	<0.02	0.4	0.31	<0.1	<0.02	0.06	10.4	0.2	<0.05	<0.1	0.25	0.7
540980	Soil			0.007	0.13	<0.1	0.2	0.09	0.12	152	0.2	<0.02	0.6	0.72	<0.1	<0.02	0.07	11.6	0.2	<0.05	<0.1	0.59	1.4
540981	Soil			0.004	0.12	<0.1	0.4	0.04	0.15	235	0.2	<0.02	0.5	0.22	<0.1	<0.02	0.06	8.5	0.1	<0.05	0.2	0.26	0.6
540982	Soil			0.009	0.08	<0.1	0.2	0.11	0.23	139	0.4	<0.02	0.3	0.22	0.1	<0.02	0.03	5.5	<0.1	<0.05	<0.1	0.78	0.7
540983	Soil			0.006	0.14	<0.1	0.3	0.11	0.11	246	0.2	<0.02	0.3	0.39	<0.1	<0.02	0.05	13.0	0.1	<0.05	<0.1	0.18	0.6
540984	Soil			0.006	0.09	<0.1	0.2	0.12	0.12	296	0.2	0.03	0.6	0.32	<0.1	<0.02	0.08	5.4	0.1	<0.05	<0.1	0.30	1.3
540985	Soil			0.007	0.17	<0.1	0.1	0.09	0.15	187	0.2	<0.02	0.5	0.30	<0.1	<0.02	0.04	12.9	<0.1	<0.05	<0.1	2.58	5.8
1115096	Soil			0.008	0.05	<0.1	0.8	<0.02	0.03	70	<0.1	<0.02	3.6	0.48	<0.1	<0.02	0.60	3.3	0.2	<0.05	<0.1	1.34	2.1
1115097	Soil			0.009	0.07	0.1	1.0	0.05	0.05	89	0.2	0.02	4.1	1.06	<0.1	<0.02	0.54	10.4	0.3	<0.05	0.1	1.29	3.8
1115098	Soil			0.010	0.11	0.1	3.0	0.05	0.07	120	0.2	0.09	4.4	1.36	<0.1	<0.02	0.32	19.1	0.2	<0.05	0.1	2.95	8.3
1115099	Soil			0.009	0.09	0.1	0.3	0.03	0.09	78	0.2	0.04	2.7	0.75	<0.1	<0.02	0.17	11.0	0.2	<0.05	<0.1	0.96	3.2
1115100	Soil			0.009	0.09	0.1	1.8	0.04	0.07	132	0.3	0.02	3.6	2.35	<0.1	<0.02	0.62	16.1	0.3	<0.05	0.1	2.69	8.3
537441	Soil			0.018	0.08	0.6	1.0	0.13	0.24	86	1.2	<0.02	1.7	1.48	0.2	<0.02	0.44	13.5	0.1	<0.05	0.3	1.88	2.7
537442	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537443	Soil			0.011	0.12	<0.1	<0.1	0.29	0.15	313	0.4	<0.02	0.7	1.31	<0.1	<0.02	0.09	18.1	0.1	<0.05	<0.1	0.43	1.0



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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 5 of 9 **Part** 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
540964	Soil	<0.02	<1	0.4	1.1	<10	<2
540965	Soil	<0.02	<1	0.4	3.9	<10	<2
540966	Soil	<0.02	<1	0.1	1.5	<10	<2
540967	Soil	<0.02	<1	0.3	0.3	<10	<2
540968	Soil	<0.02	<1	0.3	0.2	<10	<2
540969	Soil	<0.02	1	<0.1	1.5	<10	<2
540970	Soil	<0.02	2	<0.1	0.4	<10	<2
540971	Soil	<0.02	1	<0.1	0.3	<10	<2
540972	Soil	<0.02	<1	<0.1	0.1	<10	<2
540973	Soil	<0.02	1	<0.1	1.7	<10	<2
540974	Soil	<0.02	2	<0.1	0.7	<10	<2
540975	Soil	<0.02	1	<0.1	0.2	<10	<2
540976	Soil	<0.02	1	<0.1	0.6	<10	<2
540977	Soil	<0.02	<1	<0.1	0.9	<10	<2
540978	Soil	<0.02	2	0.1	1.3	<10	<2
540979	Soil	<0.02	<1	<0.1	0.3	<10	<2
540980	Soil	<0.02	<1	<0.1	0.7	<10	<2
540981	Soil	<0.02	<1	<0.1	0.6	<10	<2
540982	Soil	<0.02	2	<0.1	0.4	<10	<2
540983	Soil	<0.02	<1	<0.1	0.4	<10	<2
540984	Soil	<0.02	<1	<0.1	0.3	<10	<2
540985	Soil	<0.02	<1	0.2	0.4	<10	<2
1115096	Soil	<0.02	<1	<0.1	3.6	<10	<2
1115097	Soil	<0.02	<1	<0.1	4.9	<10	<2
1115098	Soil	0.02	<1	0.2	10.8	<10	<2
1115099	Soil	<0.02	<1	0.1	3.1	<10	<2
1115100	Soil	<0.02	<1	0.1	13.8	<10	<2
537441	Soil	<0.02	6	<0.1	4.1	<10	4
537442	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537443	Soil	<0.02	<1	<0.1	0.6	<10	<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

Project: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 6 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
537444	Soil			13.18	46.79	6.06	68.8	141	17.6	8.4	4861	0.91	0.3	<0.1	1.2	<0.1	73.8	0.14	0.10	0.07	18	1.00	0.113
537445	Soil			16.66	68.52	4.24	18.2	72	13.1	16.1	612	0.95	<0.1	0.2	1.8	<0.1	40.2	0.28	0.08	0.08	37	0.82	0.083
537446	Soil			20.00	1339	4.39	27.9	147	44.0	208.3	675	0.58	<0.1	0.6	1.0	<0.1	34.4	0.42	0.17	0.04	15	1.88	0.174
537447	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537448	Soil			33.25	103.9	5.37	16.9	177	10.7	115.4	1291	0.41	<0.1	0.2	<0.2	<0.1	41.8	0.74	0.12	0.02	8	2.03	0.166
537449	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537450	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537521	Soil			3.95	22.58	4.01	26.3	28	10.4	6.5	557	1.11	0.6	<0.1	5.6	<0.1	51.6	0.09	0.07	0.03	30	1.10	0.093
537522	Soil			1.47	13.10	6.28	34.5	217	9.5	4.4	997	0.98	0.4	0.1	0.2	<0.1	41.7	0.16	0.09	0.06	27	0.58	0.116
537523	Soil			1.95	21.81	5.63	59.8	671	8.5	2.9	479	0.59	0.4	0.1	1.7	<0.1	37.3	0.24	0.12	0.07	12	0.44	0.115
537524	Soil			2.01	17.54	5.51	64.3	270	11.0	3.7	404	0.74	0.3	0.1	2.8	<0.1	51.6	0.13	0.10	0.06	20	0.53	0.091
537525	Soil			6.11	7.25	2.62	15.1	79	4.7	2.2	163	0.34	<0.1	<0.1	<0.2	<0.1	31.6	0.26	0.07	<0.02	8	0.43	0.100
540486	Soil			1.64	5.78	2.85	24.9	270	5.2	0.9	71	0.24	<0.1	0.1	<0.2	<0.1	26.5	0.11	0.07	<0.02	5	0.24	0.089
540487	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540488	Soil			7.47	12.21	4.05	32.7	359	7.1	3.3	572	0.74	<0.1	<0.1	<0.2	<0.1	25.2	0.26	0.06	0.02	32	0.34	0.092
540489	Soil			34.13	16.42	4.51	9.9	118	3.1	1.6	48	0.26	<0.1	0.7	4.3	0.1	59.4	0.33	0.07	<0.02	7	1.05	0.073
540490	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540491	Soil			2.03	15.60	2.29	37.0	91	6.7	3.8	90	0.61	0.5	<0.1	1.7	<0.1	35.3	0.33	0.07	<0.02	15	0.62	0.083
541706	Soil			9.71	21.25	1.85	45.2	69	11.2	1.5	166	0.20	<0.1	<0.1	<0.2	<0.1	31.9	0.31	0.05	<0.02	3	0.84	0.117
541707	Soil			7.40	5.32	3.57	32.0	53	4.0	0.7	73	0.11	<0.1	<0.1	<0.2	<0.1	19.3	0.02	<0.02	<0.02	<2	0.67	0.101
541708	Soil			5.01	46.59	3.18	20.7	171	16.6	5.8	192	1.85	0.3	0.2	1.7	<0.1	27.0	0.09	0.07	0.05	56	0.26	0.064
541709	Soil			4.49	34.46	4.45	22.5	126	15.7	4.8	184	1.23	0.7	0.1	0.8	<0.1	33.1	0.10	0.09	0.06	31	0.29	0.092
541710	Soil			6.52	87.99	3.18	35.8	43	23.1	10.4	483	1.54	<0.1	0.1	1.2	<0.1	59.9	0.07	0.06	0.03	44	0.97	0.081
541711	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541712	Soil			17.07	18.61	3.41	129.2	198	4.9	2.9	2992	0.32	<0.1	<0.1	3.3	<0.1	37.3	0.41	0.12	0.48	6	1.43	0.123
541713	Soil			15.86	45.18	5.49	34.2	86	11.6	10.6	678	1.12	0.9	0.2	2.7	<0.1	40.5	0.25	0.12	0.18	32	1.11	0.078
541714	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541715	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541716	Soil			11.21	36.46	5.07	31.7	66	7.0	20.9	1156	1.22	1.1	0.1	0.8	<0.1	53.6	0.61	0.11	0.15	31	1.64	0.081
541717	Soil			47.77	22.14	2.77	48.5	108	3.5	3.1	631	0.19	<0.1	<0.1	<0.2	0.1	32.8	0.79	0.04	0.10	3	1.09	0.087

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
537444	Soil	1.3	18.9	0.23	308.9	0.009	2	0.73	0.011	0.07	0.5	0.4	0.11	0.14	181	0.5	<0.02	2.0	1.37	<0.1	<0.02
537445	Soil	1.5	24.0	0.32	56.0	0.073	2	0.62	0.012	0.09	0.5	1.0	0.02	0.13	95	0.3	0.04	3.4	0.82	<0.1	<0.02
537446	Soil	11.4	11.7	0.39	17.7	0.011	5	0.61	0.011	0.08	0.3	0.6	0.05	0.30	154	3.2	0.02	1.5	0.67	0.3	<0.02
537447	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537448	Soil	3.4	6.6	0.20	22.4	0.007	3	0.45	0.008	0.10	0.3	0.7	0.05	0.18	168	2.2	<0.02	0.7	1.00	<0.1	0.02
537449	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537450	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537521	Soil	2.0	18.4	0.38	163.9	0.039	1	0.80	0.018	0.07	0.2	1.0	<0.02	0.11	83	0.4	<0.02	2.2	0.41	<0.1	0.02
537522	Soil	2.1	16.5	0.23	193.0	0.026	<1	0.69	0.013	0.07	0.2	0.4	0.03	0.10	152	0.3	<0.02	2.6	0.78	<0.1	<0.02
537523	Soil	1.7	10.4	0.14	198.3	0.008	<1	0.41	0.009	0.08	0.1	0.3	0.04	0.12	147	0.3	0.03	1.5	1.35	<0.1	<0.02
537524	Soil	2.0	15.6	0.17	235.8	0.019	<1	0.50	0.012	0.06	0.2	0.3	0.03	0.11	134	0.3	<0.02	2.3	0.63	<0.1	<0.02
537525	Soil	0.8	8.5	0.12	63.8	0.014	<1	0.22	0.010	0.10	0.2	0.9	0.02	0.13	177	0.7	<0.02	0.7	0.49	<0.1	<0.02
540486	Soil	1.1	7.1	0.08	88.8	0.012	<1	0.16	0.012	0.06	<0.1	0.3	0.03	0.10	192	0.5	<0.02	0.7	0.34	<0.1	<0.02
540487	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540488	Soil	2.3	15.4	0.18	107.8	0.032	3	0.49	0.012	0.11	0.2	0.7	0.04	0.10	89	0.3	<0.02	3.5	1.08	<0.1	<0.02
540489	Soil	1.7	5.8	0.08	52.8	0.021	1	0.22	0.011	0.07	0.2	0.9	<0.02	0.17	101	0.7	<0.02	1.1	0.20	<0.1	<0.02
540490	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540491	Soil	0.8	14.6	0.22	72.0	0.029	<1	0.40	0.013	0.07	0.2	1.0	<0.02	0.13	168	0.5	0.02	1.1	0.24	<0.1	<0.02
541706	Soil	0.6	7.5	0.12	50.2	0.006	2	0.14	0.008	0.05	0.1	0.7	0.05	0.21	164	0.7	<0.02	0.4	0.52	<0.1	<0.02
541707	Soil	<0.5	3.9	0.04	98.5	0.004	<1	0.08	0.007	0.05	<0.1	0.4	0.04	0.17	243	0.5	<0.02	0.1	0.16	<0.1	<0.02
541708	Soil	2.2	39.7	0.42	38.5	0.068	<1	1.19	0.018	0.05	0.4	1.2	0.03	0.07	68	0.4	0.04	5.4	0.67	<0.1	<0.02
541709	Soil	2.0	29.3	0.31	79.4	0.020	<1	0.83	0.014	0.06	0.2	0.4	0.03	0.08	52	0.4	<0.02	3.3	1.41	<0.1	<0.02
541710	Soil	1.8	31.3	0.44	127.1	0.041	1	1.02	0.015	0.05	0.6	0.9	0.04	0.10	131	0.4	0.04	4.1	0.62	<0.1	<0.02
541711	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541712	Soil	0.9	6.4	0.11	294.0	0.013	7	0.25	0.006	0.12	0.1	0.7	0.25	0.14	261	0.3	<0.02	0.7	1.98	<0.1	<0.02
541713	Soil	3.0	22.6	0.30	92.9	0.046	2	0.72	0.011	0.09	0.8	1.1	0.05	0.10	130	0.3	<0.02	2.8	1.30	<0.1	<0.02
541714	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541715	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541716	Soil	2.1	12.2	0.36	76.6	0.038	4	0.72	0.010	0.09	0.5	1.1	0.04	0.14	91	0.3	<0.02	2.8	1.40	<0.1	<0.02
541717	Soil	<0.5	2.8	0.13	63.7	0.005	5	0.10	0.008	0.08	<0.1	0.8	0.03	0.18	141	0.4	<0.02	0.3	0.27	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 6 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
537444	Soil	0.23	22.0	0.1	<0.05	<0.1	0.80	3.0	<0.02	<1	<0.1	1.7	<10	<2	12.38	50.42	6.33	74.8	145	17.3	8.3
537445	Soil	1.39	14.5	0.3	<0.05	0.4	0.89	2.6	<0.02	<1	<0.1	2.1	<10	<2	15.92	69.01	4.46	18.1	67	12.8	15.6
537446	Soil	0.21	4.5	<0.1	<0.05	0.3	8.40	6.7	<0.02	1	0.3	2.1	15	<2	19.38	1395	4.38	26.5	141	45.1	189.9
537447	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	30.17	16.73	4.25	35.8	139	5.3	3.0
537448	Soil	0.14	9.2	<0.1	<0.05	0.2	3.04	4.5	<0.02	<1	<0.1	0.8	<10	<2	32.74	118.0	6.03	18.5	179	12.9	128.2
537449	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	22.65	49.63	4.96	23.0	497	7.8	15.6
537450	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.85	11.43	4.04	13.8	315	5.2	4.0
537521	Soil	0.80	9.0	0.1	<0.05	0.7	1.45	4.2	<0.02	<1	<0.1	3.1	<10	<2	4.20	22.76	4.24	26.2	40	9.7	5.6
537522	Soil	0.95	10.5	0.3	<0.05	<0.1	0.99	3.9	<0.02	<1	0.1	2.1	<10	<2	1.61	14.65	6.54	35.4	215	10.5	4.3
537523	Soil	0.66	12.8	0.3	<0.05	<0.1	0.79	3.1	<0.02	<1	<0.1	0.8	<10	<2	1.66	19.88	5.31	55.6	599	7.6	2.7
537524	Soil	0.83	8.4	0.3	<0.05	<0.1	1.07	3.7	<0.02	<1	<0.1	1.0	<10	<2	2.26	17.98	5.55	61.5	273	10.4	3.3
537525	Soil	0.13	6.7	<0.1	<0.05	0.2	0.40	1.2	<0.02	<1	<0.1	0.5	<10	<2	5.94	9.07	2.86	15.2	65	5.0	2.4
540486	Soil	0.35	4.4	0.1	<0.05	<0.1	0.32	2.0	<0.02	<1	<0.1	0.3	<10	<2	1.66	7.54	3.29	24.9	252	5.6	1.0
540487	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.10	11.28	4.73	64.4	95	5.0	1.1
540488	Soil	1.67	12.2	0.3	<0.05	<0.1	0.69	4.4	<0.02	1	<0.1	1.3	<10	<2	6.23	12.73	3.67	29.4	328	6.3	3.0
540489	Soil	0.85	4.2	0.2	<0.05	0.5	0.89	2.7	<0.02	<1	<0.1	0.5	<10	<2	34.50	21.00	5.25	10.8	100	3.5	1.7
540490	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.41	17.45	2.06	50.5	54	4.3	1.1
540491	Soil	0.22	2.2	<0.1	<0.05	0.3	0.72	1.5	<0.02	<1	<0.1	1.4	<10	<2	1.75	18.27	2.55	35.5	84	6.4	3.5
541706	Soil	0.08	5.4	<0.1	<0.05	0.4	0.38	1.1	<0.02	<1	<0.1	0.2	<10	<2	10.02	25.09	2.27	49.6	70	12.3	1.8
541707	Soil	0.03	5.9	<0.1	<0.05	0.2	0.10	0.5	<0.02	<1	<0.1	<0.1	<10	<2	7.85	8.24	4.56	36.9	59	4.5	0.8
541708	Soil	2.26	8.1	0.5	<0.05	0.7	1.67	4.6	<0.02	2	<0.1	3.2	<10	<2	4.33	45.87	3.13	18.1	159	15.2	5.4
541709	Soil	0.67	29.2	0.2	<0.05	0.1	1.24	4.1	<0.02	<1	<0.1	2.6	<10	<2	3.82	33.04	4.19	19.2	110	14.0	4.3
541710	Soil	1.17	12.2	0.2	<0.05	0.3	1.31	3.6	<0.02	<1	0.1	4.8	<10	<2	5.68	86.15	3.07	35.1	38	21.8	9.3
541711	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	16.94	104.6	1.17	17.1	50	11.0	31.4
541712	Soil	0.41	19.8	0.7	<0.05	0.1	0.41	1.8	<0.02	<1	<0.1	0.4	<10	<2	15.85	19.35	3.63	133.3	274	5.4	2.9
541713	Soil	0.86	16.5	0.3	<0.05	0.1	1.57	4.8	<0.02	<1	0.1	2.7	<10	<2	15.50	47.64	5.66	35.3	105	12.2	10.9
541714	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	8.99	19.90	2.90	27.4	33	4.3	13.8
541715	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	14.29	27.06	6.01	19.4	239	5.9	3.3
541716	Soil	0.76	15.7	0.3	<0.05	0.3	1.61	4.7	<0.02	<1	<0.1	3.9	<10	<2	10.67	37.87	5.06	31.8	93	8.0	21.1
541717	Soil	0.06	8.4	0.4	<0.05	0.4	0.35	0.7	<0.02	<1	<0.1	0.2	<10	<2	49.45	23.82	2.86	51.3	170	3.6	3.0

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 6 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
537444	Soil	5197	0.88	1.6	<0.1	<0.2	<0.1	86.2	0.14	0.11	0.07	20	1.07	0.114	1.4	17.5	0.23	314.4	0.009	<20	0.77
537445	Soil	639	0.82	1.8	0.1	0.7	<0.1	44.8	0.29	0.08	0.08	35	0.90	0.090	1.5	20.5	0.31	61.5	0.076	<20	0.59
537446	Soil	717	0.51	2.2	0.6	0.6	<0.1	38.3	0.48	0.19	0.04	14	1.91	0.176	11.6	12.5	0.41	19.3	0.011	<20	0.58
537447	Soil	121	0.19	1.8	<0.1	2.2	<0.1	36.3	0.19	0.08	0.09	4	0.69	0.132	0.5	6.5	0.10	74.6	0.008	<20	0.18
537448	Soil	1412	0.48	1.6	0.2	<0.2	<0.1	51.9	0.84	0.13	0.05	11	2.23	0.176	3.8	8.8	0.24	26.9	0.007	<20	0.51
537449	Soil	367	0.62	1.5	0.2	6.7	<0.1	32.6	0.28	0.15	0.09	15	0.69	0.143	2.2	10.9	0.16	71.5	0.009	<20	0.40
537450	Soil	65	0.52	1.6	<0.1	3.7	<0.1	24.5	0.10	0.11	0.10	19	0.19	0.064	1.2	8.7	0.09	73.1	0.029	<20	0.22
537521	Soil	552	0.98	2.7	<0.1	<0.2	<0.1	60.3	0.09	0.09	<0.02	26	1.27	0.108	1.8	16.8	0.36	180.2	0.037	<20	0.81
537522	Soil	975	0.99	2.6	0.1	<0.2	<0.1	47.4	0.18	0.11	0.06	30	0.62	0.117	2.1	19.2	0.24	198.2	0.032	<20	0.71
537523	Soil	436	0.56	2.7	0.1	0.2	<0.1	38.3	0.23	0.12	0.16	12	0.39	0.112	1.6	9.4	0.13	195.1	0.007	<20	0.38
537524	Soil	411	0.67	2.8	0.1	<0.2	<0.1	53.4	0.16	0.10	0.07	20	0.48	0.091	2.0	13.9	0.18	251.3	0.021	<20	0.49
537525	Soil	169	0.36	4.1	<0.1	<0.2	<0.1	34.8	0.29	0.09	0.02	9	0.44	0.104	0.9	9.2	0.14	64.3	0.014	<20	0.23
540486	Soil	71	0.26	0.5	0.1	0.8	<0.1	27.8	0.17	0.10	0.31	6	0.23	0.087	1.1	7.4	0.09	97.4	0.012	<20	0.16
540487	Soil	481	0.23	0.7	<0.1	4.3	<0.1	19.5	0.11	0.14	0.13	10	0.31	0.116	1.1	8.6	0.10	65.0	0.028	<20	0.20
540488	Soil	496	0.71	0.7	0.1	6.0	<0.1	25.3	0.25	0.07	0.10	33	0.29	0.084	2.1	13.7	0.18	96.2	0.029	<20	0.46
540489	Soil	52	0.27	0.6	0.8	1.4	0.2	69.9	0.36	0.11	0.12	8	1.12	0.079	2.0	6.6	0.10	59.7	0.021	<20	0.24
540490	Soil	276	0.18	1.3	<0.1	3.3	<0.1	52.5	0.15	0.18	0.06	3	0.62	0.097	<0.5	4.4	0.08	87.1	0.005	<20	0.11
540491	Soil	96	0.66	1.2	0.1	1.2	<0.1	39.0	0.38	0.10	0.08	17	0.62	0.082	0.9	13.7	0.25	73.9	0.029	<20	0.40
541706	Soil	169	0.22	0.8	<0.1	0.9	<0.1	38.5	0.34	0.10	0.09	4	0.86	0.124	0.7	9.8	0.14	55.3	0.007	<20	0.15
541707	Soil	85	0.15	0.5	<0.1	0.7	<0.1	23.7	0.08	0.08	0.04	2	0.72	0.113	<0.5	4.9	0.05	117.0	0.005	<20	0.10
541708	Soil	175	1.71	0.8	0.2	0.2	<0.1	28.9	0.13	0.09	0.09	56	0.25	0.064	2.1	35.8	0.44	37.5	0.082	<20	1.22
541709	Soil	168	1.12	1.0	0.1	0.6	<0.1	34.4	0.10	0.10	0.10	31	0.25	0.083	2.0	25.9	0.31	74.1	0.025	<20	0.85
541710	Soil	440	1.43	0.8	0.2	0.9	<0.1	61.4	0.08	0.08	0.07	46	0.93	0.077	1.8	29.9	0.48	115.0	0.056	<20	1.07
541711	Soil	353	0.30	0.6	<0.1	1.1	<0.1	32.7	0.39	0.08	0.04	8	1.38	0.102	1.3	8.8	0.28	23.3	0.012	<20	0.26
541712	Soil	3273	0.33	0.7	<0.1	0.4	<0.1	45.5	0.41	0.10	0.05	6	1.48	0.131	1.1	8.9	0.12	336.1	0.010	<20	0.26
541713	Soil	727	1.17	1.0	0.2	0.4	<0.1	48.9	0.28	0.11	0.28	36	1.22	0.092	3.4	25.0	0.36	100.7	0.056	<20	0.82
541714	Soil	60	0.39	0.4	<0.1	1.1	<0.1	38.7	0.33	0.07	0.11	11	0.73	0.071	0.8	7.1	0.12	36.5	0.026	<20	0.27
541715	Soil	210	0.31	0.7	<0.1	0.4	<0.1	42.9	0.79	0.10	0.08	6	0.76	0.127	1.3	7.6	0.11	153.9	0.010	<20	0.33
541716	Soil	1216	1.18	1.0	0.2	1.0	0.1	64.9	0.58	0.13	0.08	31	1.73	0.089	2.4	13.7	0.40	79.8	0.042	<20	0.77
541717	Soil	641	0.21	0.3	<0.1	0.5	<0.1	39.6	0.86	0.06	0.03	4	1.11	0.098	0.6	4.5	0.15	67.7	0.006	<20	0.12

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 6 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
537444	Soil			0.011	0.07	0.4	0.2	0.11	0.15	162	0.3	0.05	2.0	1.34	<0.1	<0.02	0.17	24.1	0.2	<0.05	<0.1	0.84	2.7
537445	Soil			0.011	0.10	0.6	0.6	0.02	0.15	124	0.3	0.05	3.1	0.85	<0.1	<0.02	1.31	15.7	0.3	<0.05	0.2	0.76	2.2
537446	Soil			0.011	0.08	0.4	0.5	0.04	0.31	155	3.2	<0.02	1.5	0.69	0.2	<0.02	0.21	5.0	<0.1	<0.05	0.4	9.07	6.4
537447	Soil			0.008	0.11	0.2	0.4	<0.02	0.16	166	0.3	0.02	0.4	0.52	<0.1	<0.02	0.12	14.3	<0.1	<0.05	0.2	0.26	0.9
537448	Soil			0.010	0.11	0.3	0.5	0.05	0.20	196	2.2	<0.02	0.9	0.95	<0.1	<0.02	0.18	9.4	0.1	<0.05	0.3	3.40	4.7
537449	Soil			0.011	0.11	0.2	0.2	0.06	0.14	186	0.4	0.04	1.6	0.92	<0.1	<0.02	0.59	14.6	0.2	<0.05	0.2	1.34	3.6
537450	Soil			0.011	0.05	0.2	0.5	<0.02	0.09	96	0.2	<0.02	1.4	0.19	<0.1	<0.02	0.99	4.1	0.3	<0.05	0.3	0.44	2.0
537521	Soil			0.015	0.08	0.2	0.6	<0.02	0.13	106	0.3	<0.02	2.1	0.47	<0.1	<0.02	0.54	10.6	0.1	<0.05	0.2	1.35	3.1
537522	Soil			0.013	0.07	0.2	0.3	0.03	0.11	140	0.3	<0.02	2.8	0.79	<0.1	<0.02	0.89	11.1	0.3	<0.05	<0.1	1.05	3.8
537523	Soil			0.009	0.08	0.1	0.1	0.04	0.13	138	0.2	<0.02	1.4	1.31	<0.1	<0.02	0.46	12.6	0.2	<0.05	<0.1	0.62	2.6
537524	Soil			0.011	0.06	0.2	0.2	0.03	0.12	132	0.2	<0.02	2.1	0.64	<0.1	<0.02	0.67	8.9	0.3	<0.05	<0.1	0.99	3.4
537525	Soil			0.011	0.11	0.2	0.8	0.03	0.13	149	0.4	<0.02	0.8	0.50	<0.1	<0.02	0.17	6.7	0.1	<0.05	0.3	0.44	1.2
540486	Soil			0.011	0.06	<0.1	0.2	0.03	0.12	156	0.2	<0.02	0.7	0.36	<0.1	<0.02	0.36	4.3	0.2	<0.05	<0.1	0.29	2.3
540487	Soil			0.009	0.13	<0.1	0.2	0.06	0.11	130	0.3	<0.02	1.6	0.39	<0.1	<0.02	1.13	8.3	0.4	<0.05	<0.1	0.37	2.5
540488	Soil			0.010	0.10	0.1	0.5	0.03	0.10	82	0.2	<0.02	3.2	0.93	<0.1	<0.02	1.33	10.8	0.4	<0.05	<0.1	0.64	4.2
540489	Soil			0.009	0.07	<0.1	0.6	<0.02	0.18	122	0.6	<0.02	1.2	0.22	<0.1	<0.02	0.87	4.8	0.3	<0.05	0.7	1.02	3.5
540490	Soil			0.011	0.08	<0.1	0.3	<0.02	0.16	109	0.4	0.02	0.3	0.15	<0.1	<0.02	0.10	5.5	0.1	<0.05	0.4	0.25	1.0
540491	Soil			0.011	0.06	0.2	0.8	<0.02	0.13	153	0.3	<0.02	1.4	0.25	<0.1	<0.02	0.26	2.5	0.1	<0.05	0.4	0.77	1.9
541706	Soil			0.007	0.05	0.2	0.6	0.04	0.21	163	0.5	<0.02	0.5	0.56	<0.1	<0.02	0.13	5.8	<0.1	<0.05	0.5	0.46	1.5
541707	Soil			0.006	0.05	<0.1	0.2	0.03	0.18	227	0.3	<0.02	0.2	0.20	<0.1	<0.02	0.06	6.8	0.1	<0.05	0.4	0.18	1.1
541708	Soil			0.016	0.05	0.4	0.9	0.03	0.07	68	0.3	0.03	5.1	0.76	<0.1	0.02	1.85	9.5	0.5	<0.05	0.4	1.70	4.5
541709	Soil			0.011	0.06	1.1	0.3	0.03	0.08	76	0.2	0.03	2.9	1.43	<0.1	<0.02	0.49	29.9	0.3	<0.05	<0.1	1.23	4.1
541710	Soil			0.014	0.05	0.6	0.7	0.04	0.09	117	0.2	0.04	4.0	0.73	<0.1	<0.02	1.08	13.4	0.2	<0.05	0.1	1.43	3.8
541711	Soil			0.019	0.17	0.1	0.5	<0.02	0.26	80	0.9	<0.02	0.6	0.39	<0.1	<0.02	0.10	9.0	<0.1	<0.05	0.2	0.62	2.1
541712	Soil			0.005	0.13	0.1	0.2	0.29	0.14	298	0.4	0.05	0.8	1.95	<0.1	<0.02	0.37	19.8	0.2	<0.05	<0.1	0.48	2.3
541713	Soil			0.009	0.09	0.6	1.1	0.02	0.11	132	0.3	<0.02	3.2	1.41	<0.1	<0.02	0.88	18.8	0.2	<0.05	0.2	1.85	5.8
541714	Soil			0.009	0.04	0.2	0.5	<0.02	0.16	96	0.4	0.02	1.2	0.25	<0.1	0.02	0.65	4.9	0.2	<0.05	0.5	0.64	1.7
541715	Soil			0.007	0.10	0.3	0.3	0.02	0.14	119	0.3	<0.02	0.7	1.38	<0.1	<0.02	0.18	18.5	0.1	<0.05	<0.1	0.64	2.6
541716	Soil			0.009	0.09	0.4	1.1	0.04	0.14	101	0.5	<0.02	2.8	1.52	<0.1	<0.02	0.76	16.8	0.2	<0.05	0.2	1.82	5.1
541717	Soil			0.007	0.08	<0.1	0.6	0.05	0.19	176	0.5	<0.02	0.3	0.32	<0.1	<0.02	0.09	8.3	<0.1	<0.05	0.2	0.41	1.2



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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 6 of 9 **Part** 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
				ppm	ppb	ppm	ppm	ppb	ppb
				0.02	1	0.1	0.1	10	2
537444	Soil			<0.02	<1	<0.1	1.6	<10	<2
537445	Soil			<0.02	<1	<0.1	1.8	<10	<2
537446	Soil			<0.02	5	0.3	2.1	<10	<2
537447	Soil			<0.02	<1	<0.1	0.4	<10	<2
537448	Soil			<0.02	4	0.1	1.2	<10	<2
537449	Soil			<0.02	<1	0.1	1.4	<10	<2
537450	Soil			<0.02	<1	<0.1	0.5	<10	<2
537521	Soil			<0.02	<1	<0.1	2.5	<10	<2
537522	Soil			<0.02	<1	<0.1	1.9	<10	<2
537523	Soil			<0.02	<1	0.1	0.9	<10	<2
537524	Soil			<0.02	<1	<0.1	1.1	<10	<2
537525	Soil			<0.02	<1	<0.1	0.8	<10	<2
540486	Soil			<0.02	<1	<0.1	0.4	<10	<2
540487	Soil			<0.02	<1	<0.1	0.4	<10	<2
540488	Soil			<0.02	<1	<0.1	1.3	<10	<2
540489	Soil			<0.02	9	<0.1	0.6	<10	<2
540490	Soil			<0.02	2	<0.1	0.3	<10	<2
540491	Soil			<0.02	<1	<0.1	1.8	<10	<2
541706	Soil			<0.02	<1	<0.1	0.3	<10	<2
541707	Soil			<0.02	<1	<0.1	0.1	<10	<2
541708	Soil			<0.02	<1	<0.1	3.2	<10	<2
541709	Soil			<0.02	<1	<0.1	2.2	<10	<2
541710	Soil			<0.02	<1	0.1	4.3	<10	<2
541711	Soil			<0.02	<1	<0.1	0.9	<10	<2
541712	Soil			<0.02	<1	<0.1	0.5	<10	<2
541713	Soil			<0.02	<1	<0.1	3.2	<10	<2
541714	Soil			<0.02	<1	<0.1	0.7	<10	<2
541715	Soil			<0.02	<1	<0.1	0.5	<10	<2
541716	Soil			<0.02	<1	<0.1	4.2	<10	<2
541717	Soil			<0.02	<1	<0.1	0.3	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
541718	Soil			1.67	12.53	6.94	15.2	269	8.0	2.9	958	0.70	0.8	0.1	4.1	<0.1	41.0	0.14	0.13	0.14	22	0.65	0.064
541719	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541720	Soil			1.56	11.13	5.52	21.0	323	8.3	3.6	353	1.20	1.5	0.2	3.4	<0.1	28.9	0.13	0.11	0.10	41	0.40	0.069
541721	Soil			9.34	15.41	3.30	32.5	184	5.4	4.6	2258	0.53	0.7	<0.1	2.1	0.2	54.9	1.93	0.10	0.06	13	1.50	0.085
541724	Soil			0.46	10.58	5.14	30.8	93	8.0	3.6	1367	1.12	1.3	0.1	1.0	<0.1	19.9	0.07	0.11	0.07	36	0.22	0.072
541725	Soil			0.50	6.54	3.17	19.6	419	3.9	1.2	175	0.72	3.4	<0.1	1.4	<0.1	30.5	0.06	0.08	0.05	22	0.20	0.103
541726	Soil			0.66	9.46	4.13	18.1	175	10.1	3.2	127	1.25	2.4	0.1	1.8	<0.1	22.5	0.04	0.10	0.05	45	0.13	0.063
541727	Soil			0.58	7.92	3.67	20.3	63	3.4	1.0	103	0.37	3.0	<0.1	<0.2	<0.1	15.9	0.10	0.11	0.06	13	0.29	0.085
541728	Soil			1.85	77.72	2.22	11.7	335	5.2	4.1	620	0.61	1.4	1.8	3.1	0.1	73.3	0.27	0.34	0.05	17	2.94	0.214
541729	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541730	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541731	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541732	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541733	Soil			0.96	11.75	2.49	14.1	305	2.8	1.5	47	0.47	2.3	0.2	1.3	<0.1	21.4	0.23	0.07	0.07	7	0.23	0.144
541734	Soil			5.18	131.2	3.78	37.2	356	16.2	11.8	548	1.96	2.7	1.2	5.5	<0.1	40.5	0.27	0.13	0.08	47	0.94	0.122
541735	Soil			6.55	365.9	5.18	39.2	179	14.7	81.6	1429	0.56	1.8	0.4	3.1	0.1	45.2	2.06	0.16	0.07	11	1.58	0.111
541736	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541737	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541738	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541739	Soil			4.60	77.85	3.75	52.2	519	17.1	9.6	359	2.70	3.2	4.2	5.4	0.1	26.4	0.18	0.09	0.07	67	0.24	0.084
541740	Soil			2.70	21.07	5.76	43.3	278	9.6	9.2	796	1.80	2.4	0.5	2.8	<0.1	33.5	0.29	0.13	0.10	56	0.34	0.074
541741	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541742	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541743	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541744	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541745	Soil			0.69	12.88	3.99	19.2	353	5.5	2.8	98	0.89	2.4	0.3	1.8	<0.1	29.0	0.09	0.11	0.14	17	0.26	0.173
541746	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541747	Soil			0.43	13.04	3.41	41.4	96	3.3	1.9	285	0.18	6.0	<0.1	<0.2	<0.1	36.4	0.22	0.10	0.05	3	0.51	0.180
541748	Soil			0.46	10.02	4.34	24.8	229	3.1	2.2	127	0.22	5.7	<0.1	<0.2	<0.1	32.2	0.24	0.10	0.04	6	0.33	0.102
541749	Soil			0.52	12.44	4.55	19.7	291	4.9	2.3	73	0.72	1.6	0.2	5.2	<0.1	32.0	0.15	0.10	0.13	22	0.28	0.064

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
541718	Soil	3.0	15.5	0.15	183.8	0.023	1	0.48	0.010	0.05	0.1	0.4	0.06	0.07	98	<0.1	<0.02	2.8	0.84	<0.1	<0.02
541719	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541720	Soil	2.1	18.0	0.24	93.1	0.060	1	0.74	0.012	0.05	0.2	0.8	0.02	0.08	100	0.3	<0.02	4.4	0.43	<0.1	<0.02
541721	Soil	0.9	9.2	0.27	154.7	0.019	5	0.32	0.013	0.08	0.2	0.8	0.05	0.15	280	0.4	<0.02	1.1	0.48	<0.1	0.02
541724	Soil	3.0	18.5	0.29	100.2	0.063	<1	0.54	0.010	0.06	0.1	0.5	0.11	0.06	138	<0.1	<0.02	5.1	0.52	<0.1	<0.02
541725	Soil	1.0	15.5	0.08	87.7	0.015	1	0.23	0.010	0.09	<0.1	0.3	0.04	0.09	207	0.3	0.04	1.3	0.62	<0.1	<0.02
541726	Soil	2.0	29.4	0.25	51.5	0.087	1	0.49	0.009	0.06	<0.1	0.4	0.04	0.04	38	0.2	<0.02	4.4	0.80	<0.1	<0.02
541727	Soil	0.8	10.8	0.05	56.0	0.023	2	0.13	0.009	0.08	<0.1	0.4	0.03	0.09	165	<0.1	<0.02	0.7	0.36	<0.1	<0.02
541728	Soil	24.4	16.4	0.16	130.2	0.008	3	1.16	0.008	0.06	<0.1	0.7	0.04	0.27	138	1.5	<0.02	1.8	0.46	0.2	0.02
541729	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541730	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541731	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541732	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541733	Soil	2.1	4.6	0.06	95.3	0.007	1	0.47	0.008	0.08	<0.1	0.4	<0.02	0.15	139	0.3	<0.02	1.0	0.31	<0.1	<0.02
541734	Soil	7.2	30.7	0.61	116.2	0.029	1	1.59	0.014	0.08	0.2	1.4	0.09	0.18	66	0.7	0.06	4.6	1.17	<0.1	<0.02
541735	Soil	3.5	7.9	0.16	114.8	0.015	4	0.45	0.008	0.08	0.3	1.0	0.23	0.23	185	0.7	0.02	1.1	0.85	<0.1	<0.02
541736	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541737	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541738	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541739	Soil	6.6	41.3	0.70	108.7	0.051	1	2.08	0.012	0.07	0.1	2.0	0.09	0.09	88	0.7	<0.02	6.0	1.37	<0.1	0.02
541740	Soil	3.2	24.4	0.40	94.1	0.068	<1	1.14	0.012	0.07	0.2	1.2	0.06	0.09	76	0.2	<0.02	5.7	1.13	<0.1	<0.02
541741	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541742	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541743	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541744	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541745	Soil	2.5	13.6	0.15	106.6	0.003	<1	0.86	0.011	0.06	<0.1	0.2	0.07	0.14	192	0.2	<0.02	2.3	0.93	<0.1	<0.02
541746	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541747	Soil	0.8	4.2	0.08	136.1	0.006	1	0.22	0.013	0.12	<0.1	0.5	0.09	0.17	198	0.4	<0.02	0.4	0.67	<0.1	<0.02
541748	Soil	1.3	5.4	0.07	136.2	0.012	<1	0.29	0.009	0.08	<0.1	0.3	<0.02	0.11	137	0.2	<0.02	1.0	0.29	<0.1	<0.02
541749	Soil	2.9	11.2	0.13	78.6	0.025	1	0.66	0.008	0.05	<0.1	0.3	0.03	0.07	68	0.2	<0.02	3.4	0.45	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 7 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
541718	Soil	1.10	9.1	0.7	<0.05	<0.1	1.01	5.3	<0.02	<1	<0.1	1.1	<10	<2	1.39	12.41	6.95	15.2	287	8.1	3.0
541719	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.97	14.95	4.19	50.1	162	11.4	6.8
541720	Soil	2.03	8.3	0.6	<0.05	0.3	1.21	3.9	<0.02	<1	<0.1	2.2	<10	<2	1.46	11.04	5.31	22.1	319	8.3	3.4
541721	Soil	0.16	5.6	0.1	<0.05	0.3	0.61	1.5	<0.02	<1	<0.1	1.4	<10	<2	8.91	16.07	3.47	32.9	228	6.8	4.7
541724	Soil	1.63	6.6	0.9	<0.05	0.1	0.96	6.2	<0.02	<1	<0.1	1.6	<10	<2	0.46	10.17	4.85	27.3	132	8.5	3.5
541725	Soil	0.40	9.1	0.4	<0.05	<0.1	0.41	1.9	<0.02	<1	<0.1	0.4	<10	<2	0.54	6.65	3.11	18.2	423	4.5	1.2
541726	Soil	0.88	7.4	0.4	<0.05	<0.1	0.94	4.0	<0.02	<1	<0.1	1.5	<10	<2	0.61	9.13	4.16	18.7	229	9.9	3.1
541727	Soil	0.52	5.3	0.4	<0.05	<0.1	0.25	1.5	<0.02	<1	<0.1	0.2	<10	<2	0.66	8.11	3.59	19.5	89	3.7	0.9
541728	Soil	0.37	3.4	0.2	<0.05	0.5	21.90	9.3	<0.02	3	0.5	1.8	<10	<2	1.74	73.27	2.06	11.2	342	5.1	3.7
541729	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.54	13.12	4.84	30.1	108	5.9	4.9
541730	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.65	9.81	4.27	15.3	214	4.5	1.5
541731	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.67	11.16	4.67	35.4	169	3.8	1.4
541732	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.58	14.06	1.70	39.6	117	1.5	0.8
541733	Soil	0.26	2.7	0.3	<0.05	0.1	1.09	3.6	<0.02	<1	<0.1	0.3	<10	<2	0.91	11.53	2.39	13.2	354	2.8	1.5
541734	Soil	1.28	11.0	0.3	<0.05	0.4	6.68	9.7	<0.02	<1	0.2	7.0	<10	<2	5.41	141.5	4.12	38.8	397	16.8	12.4
541735	Soil	0.38	7.6	0.2	<0.05	0.6	3.39	4.1	<0.02	<1	0.1	1.8	<10	<2	6.72	378.1	5.58	38.8	221	15.6	84.3
541736	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.22	28.22	4.05	23.6	383	5.2	4.3
541737	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.15	24.10	4.19	27.2	353	7.0	3.5
541738	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.38	16.03	3.77	19.4	384	4.1	1.7
541739	Soil	1.71	5.5	0.5	<0.05	0.8	8.07	11.1	<0.02	<1	0.4	10.8	<10	<2	4.98	102.2	4.87	64.4	660	20.3	11.5
541740	Soil	1.70	8.3	0.5	<0.05	0.4	1.74	6.0	<0.02	<1	0.1	4.7	<10	<2	2.89	24.54	6.57	45.0	317	11.4	10.3
541741	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.49	47.16	4.22	35.2	596	12.4	6.7
541742	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	5.02	38.54	2.72	63.7	285	6.0	29.6
541743	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.02	46.54	3.69	29.6	573	9.3	13.7
541744	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.44	26.32	5.32	30.0	766	26.3	25.6
541745	Soil	0.35	8.3	0.3	<0.05	<0.1	1.59	4.7	<0.02	<1	0.1	1.2	<10	<2	0.72	15.21	4.85	20.9	421	6.0	3.1
541746	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.73	10.71	4.21	24.7	104	4.1	1.9
541747	Soil	0.13	9.3	<0.1	<0.05	0.4	0.62	1.5	<0.02	<1	<0.1	0.2	<10	2	0.50	14.64	3.99	41.2	136	3.9	2.0
541748	Soil	0.42	5.7	0.2	<0.05	0.2	0.67	2.2	<0.02	<1	<0.1	0.2	<10	<2	0.64	11.28	5.32	27.2	270	3.6	2.3
541749	Soil	1.24	5.2	0.5	<0.05	0.1	1.54	5.4	0.02	<1	<0.1	1.1	<10	<2	0.53	14.36	5.29	22.5	342	5.2	2.4

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 7 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	%
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	
541718	Soil	901	0.79	0.6	0.2	<0.2	<0.1	47.6	0.14	0.13	0.14	28	0.70	0.065	3.5	17.3	0.18	185.5	0.031	<20	0.57	
541719	Soil	629	1.46	0.9	<0.1	0.4	<0.1	61.7	0.11	0.08	0.05	50	0.61	0.101	1.4	22.2	0.48	113.5	0.065	<20	0.86	
541720	Soil	325	1.32	0.9	0.2	2.0	<0.1	34.6	0.12	0.12	0.09	50	0.40	0.071	2.4	19.6	0.28	89.3	0.071	<20	0.88	
541721	Soil	2522	0.67	1.0	<0.1	2.0	<0.1	64.6	1.90	0.13	<0.02	17	1.58	0.092	1.0	11.9	0.32	161.2	0.019	<20	0.38	
541724	Soil	1406	1.23	0.6	0.1	2.6	<0.1	24.8	0.06	0.09	0.09	41	0.21	0.068	3.2	20.2	0.32	96.5	0.059	<20	0.66	
541725	Soil	169	0.70	0.4	<0.1	0.3	<0.1	34.6	0.04	0.09	0.03	22	0.19	0.105	1.1	14.9	0.08	87.3	0.013	<20	0.25	
541726	Soil	138	1.29	0.8	0.2	<0.2	<0.1	28.3	0.04	0.07	0.06	49	0.15	0.065	2.2	28.6	0.28	53.4	0.082	<20	0.61	
541727	Soil	110	0.37	0.6	<0.1	1.4	<0.1	19.2	0.10	0.10	0.05	13	0.29	0.092	0.9	10.9	0.06	61.7	0.021	<20	0.14	
541728	Soil	598	0.59	0.6	1.8	2.9	<0.1	80.5	0.30	0.35	0.02	16	2.98	0.206	24.7	16.0	0.16	128.7	0.006	<20	1.15	
541729	Soil	1682	1.03	0.6	0.2	1.8	<0.1	27.9	0.09	0.12	0.06	28	0.36	0.095	1.8	18.2	0.22	180.0	0.019	<20	0.39	
541730	Soil	114	0.91	0.5	<0.1	2.2	<0.1	25.7	0.11	0.11	0.06	36	0.15	0.069	1.7	22.7	0.10	56.3	0.094	<20	0.26	
541731	Soil	972	0.87	0.7	<0.1	2.4	<0.1	24.6	0.06	0.11	0.05	24	0.24	0.093	1.8	17.9	0.06	106.1	0.011	<20	0.19	
541732	Soil	227	0.10	0.3	<0.1	1.5	<0.1	15.2	0.31	0.05	<0.02	<2	0.32	0.104	<0.5	3.1	0.04	356.3	0.003	<20	0.08	
541733	Soil	47	0.50	0.4	0.2	2.8	<0.1	24.0	0.24	0.08	0.03	7	0.23	0.142	2.1	5.6	0.06	96.8	0.004	<20	0.47	
541734	Soil	593	2.02	0.9	1.4	4.7	0.1	52.5	0.30	0.14	0.08	51	1.02	0.141	8.7	34.8	0.68	132.3	0.044	<20	1.76	
541735	Soil	1633	0.64	0.8	0.4	3.5	<0.1	54.3	2.16	0.17	0.06	13	1.65	0.119	3.9	9.9	0.19	126.0	0.011	<20	0.50	
541736	Soil	266	0.43	0.9	<0.1	2.5	<0.1	21.3	0.18	0.15	0.09	8	0.25	0.111	1.2	9.1	0.09	53.8	0.007	<20	0.23	
541737	Soil	301	1.16	1.1	0.2	4.7	<0.1	27.7	0.17	0.15	0.05	34	0.34	0.101	2.0	18.2	0.26	53.0	0.038	<20	0.66	
541738	Soil	204	0.35	0.6	0.2	1.5	<0.1	39.6	0.05	0.07	0.04	9	0.33	0.105	1.0	6.4	0.09	111.5	0.006	<20	0.22	
541739	Soil	415	3.00	3.1	5.5	4.0	0.2	36.0	0.24	0.11	0.11	76	0.32	0.098	8.6	51.8	0.79	128.6	0.074	<20	2.44	
541740	Soil	847	1.82	1.5	0.5	12.9	<0.1	38.4	0.30	0.11	0.13	59	0.34	0.075	3.5	27.9	0.42	100.1	0.075	<20	1.20	
541741	Soil	204	1.54	1.7	1.9	2.2	<0.1	47.3	0.31	0.13	0.11	41	0.79	0.135	5.4	30.3	0.47	99.3	0.038	<20	1.43	
541742	Soil	8073	1.99	1.5	0.4	3.5	<0.1	73.8	0.71	0.16	0.04	8	1.28	0.144	4.2	6.3	0.10	243.3	0.004	<20	0.36	
541743	Soil	184	0.78	1.4	1.1	3.1	<0.1	64.9	0.68	0.13	0.07	19	0.98	0.098	7.0	13.8	0.23	96.5	0.019	<20	0.80	
541744	Soil	1252	1.55	1.7	0.5	3.4	<0.1	41.7	0.31	0.17	0.09	49	0.44	0.120	3.9	71.2	0.50	122.3	0.026	<20	1.23	
541745	Soil	114	0.88	1.7	0.4	4.6	<0.1	36.6	0.10	0.11	0.08	17	0.30	0.183	3.0	16.6	0.16	120.9	0.004	<20	0.89	
541746	Soil	276	0.40	1.2	0.1	0.8	<0.1	28.4	0.10	0.11	0.06	14	0.44	0.101	1.4	8.8	0.08	111.8	0.016	<20	0.28	
541747	Soil	307	0.17	1.2	0.1	1.4	<0.1	43.8	0.21	0.10	0.04	3	0.55	0.179	0.9	4.4	0.08	152.7	0.003	<20	0.22	
541748	Soil	139	0.24	1.1	<0.1	0.6	<0.1	38.2	0.28	0.11	0.08	7	0.37	0.097	1.4	6.2	0.07	155.7	0.009	<20	0.32	
541749	Soil	91	0.78	1.1	0.2	1.8	<0.1	40.3	0.16	0.08	0.10	24	0.34	0.067	3.5	13.6	0.15	91.5	0.032	<20	0.71	

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 7 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
541718	Soil			0.009	0.05	0.1	0.3	0.07	0.07	95	0.2	<0.02	3.1	0.89	<0.1	<0.02	0.96	9.9	0.6	<0.05	<0.1	1.34	6.6
541719	Soil			0.014	0.09	0.3	0.8	0.04	0.08	100	0.2	0.04	3.3	0.47	<0.1	<0.02	0.78	11.8	0.2	<0.05	0.1	1.57	3.0
541720	Soil			0.011	0.05	0.2	0.6	0.03	0.08	94	0.2	0.05	4.6	0.45	<0.1	<0.02	1.94	8.7	0.5	<0.05	0.3	1.44	4.7
541721	Soil			0.013	0.08	0.1	0.8	0.06	0.15	287	0.5	<0.02	1.2	0.47	<0.1	<0.02	0.17	5.4	0.1	<0.05	0.2	0.74	2.0
541724	Soil			0.009	0.06	<0.1	0.4	0.12	0.06	100	0.2	<0.02	5.0	0.44	<0.1	<0.02	1.81	5.8	0.8	<0.05	0.1	1.12	6.4
541725	Soil			0.009	0.09	<0.1	0.1	0.05	0.09	175	0.3	0.05	1.5	0.53	<0.1	<0.02	0.50	8.1	0.2	<0.05	<0.1	0.47	2.4
541726	Soil			0.008	0.06	<0.1	0.3	0.05	0.04	59	0.2	<0.02	4.6	0.73	<0.1	<0.02	1.43	6.9	0.5	<0.05	0.3	1.03	4.4
541727	Soil			0.007	0.08	<0.1	0.2	0.04	0.09	183	0.2	<0.02	0.9	0.35	<0.1	<0.02	0.73	5.5	0.2	<0.05	0.1	0.33	2.0
541728	Soil			0.006	0.06	<0.1	0.4	0.04	0.25	123	1.5	<0.02	1.7	0.46	<0.1	<0.02	0.29	3.5	0.1	<0.05	0.1	21.55	9.6
541729	Soil			0.007	0.09	<0.1	0.3	0.16	0.09	138	0.2	0.03	1.9	0.61	<0.1	<0.02	0.24	7.2	0.2	<0.05	<0.1	0.78	3.7
541730	Soil			0.006	0.05	<0.1	0.4	0.07	0.06	96	0.1	<0.02	2.5	0.72	<0.1	<0.02	1.43	5.1	0.5	<0.05	0.3	0.62	3.6
541731	Soil			0.007	0.07	0.1	0.3	0.17	0.08	164	0.2	<0.02	1.0	0.77	<0.1	<0.02	0.30	6.2	0.3	<0.05	<0.1	0.54	3.6
541732	Soil			0.006	0.06	<0.1	0.2	0.06	0.13	154	0.2	0.02	0.2	0.19	<0.1	<0.02	0.06	4.6	<0.1	<0.05	0.1	0.14	0.8
541733	Soil			0.008	0.08	<0.1	<0.1	<0.02	0.16	143	0.4	<0.02	0.9	0.29	<0.1	<0.02	0.38	2.3	0.2	<0.05	<0.1	1.11	3.8
541734	Soil			0.016	0.09	0.1	1.4	0.12	0.18	103	0.6	0.05	5.1	1.38	<0.1	0.02	1.35	12.5	0.4	<0.05	0.6	7.65	11.7
541735	Soil			0.008	0.08	0.3	0.5	0.26	0.24	194	0.7	0.03	1.2	0.83	<0.1	<0.02	0.35	7.0	0.2	<0.05	0.4	3.71	4.8
541736	Soil			0.010	0.08	<0.1	0.1	0.09	0.10	134	0.2	0.03	0.7	0.46	<0.1	<0.02	0.23	5.0	0.3	<0.05	<0.1	0.56	2.1
541737	Soil			0.009	0.07	0.1	0.5	0.08	0.10	111	0.3	<0.02	2.6	0.83	<0.1	<0.02	0.97	7.8	0.3	<0.05	0.4	1.58	3.6
541738	Soil			0.010	0.07	<0.1	0.2	0.05	0.14	216	0.5	<0.02	0.7	0.44	<0.1	<0.02	0.21	5.6	0.1	<0.05	<0.1	0.37	1.5
541739	Soil			0.014	0.09	0.2	2.8	0.12	0.09	117	1.3	0.02	7.1	1.69	<0.1	0.04	1.53	6.9	0.6	<0.05	1.3	10.25	13.8
541740	Soil			0.012	0.08	0.3	1.3	0.07	0.09	79	0.5	<0.02	5.5	1.18	<0.1	0.02	1.46	9.0	0.6	<0.05	0.8	1.91	6.5
541741	Soil			0.025	0.09	0.2	1.5	0.03	0.21	118	1.5	0.03	4.6	0.82	<0.1	0.03	1.57	4.8	0.4	<0.05	1.1	4.66	7.8
541742	Soil			0.034	0.06	<0.1	0.6	0.12	0.25	146	1.0	<0.02	0.6	0.21	<0.1	<0.02	0.16	3.7	<0.1	<0.05	0.1	5.29	5.4
541743	Soil			0.018	0.10	<0.1	0.7	0.04	0.18	127	0.8	<0.02	2.0	0.30	<0.1	<0.02	0.80	4.3	0.3	<0.05	0.7	5.25	10.6
541744	Soil			0.015	0.09	<0.1	0.5	0.09	0.16	103	0.8	<0.02	4.2	1.76	<0.1	<0.02	0.44	9.8	0.3	<0.05	<0.1	2.57	7.0
541745	Soil			0.009	0.06	0.5	0.2	0.08	0.14	201	0.6	<0.02	2.5	1.04	<0.1	<0.02	0.34	9.1	0.3	<0.05	<0.1	1.95	5.6
541746	Soil			0.011	0.10	<0.1	0.3	0.07	0.11	147	0.4	<0.02	1.4	0.54	<0.1	<0.02	0.43	6.5	0.2	<0.05	<0.1	0.73	2.4
541747	Soil			0.014	0.12	<0.1	<0.1	0.11	0.16	236	0.6	<0.02	0.4	0.62	<0.1	<0.02	0.10	10.2	<0.1	<0.05	<0.1	0.67	1.7
541748	Soil			0.010	0.08	<0.1	0.1	0.03	0.12	143	0.5	<0.02	1.0	0.26	<0.1	<0.02	0.52	5.3	0.2	<0.05	<0.1	0.82	2.5
541749	Soil			0.010	0.05	<0.1	0.4	0.03	0.08	77	0.4	0.02	3.7	0.43	<0.1	<0.02	1.45	5.7	0.5	<0.05	0.3	1.91	6.9



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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 7 of 9 **Part** 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F In	1F Re	1F Be	1F Li	1F Pd	1F Pt
				ppm	ppb	ppm	ppm	ppb	ppb
				0.02	1	0.1	0.1	10	2
541718	Soil			<0.02	<1	<0.1	1.0	<10	<2
541719	Soil			<0.02	<1	<0.1	3.4	<10	<2
541720	Soil			<0.02	<1	<0.1	2.5	<10	<2
541721	Soil			<0.02	<1	<0.1	1.6	<10	<2
541724	Soil			<0.02	<1	<0.1	1.7	<10	<2
541725	Soil			<0.02	<1	<0.1	0.4	<10	<2
541726	Soil			<0.02	<1	<0.1	1.7	<10	<2
541727	Soil			<0.02	<1	<0.1	0.2	<10	<2
541728	Soil			<0.02	2	0.4	2.0	12	<2
541729	Soil			<0.02	<1	<0.1	1.5	<10	<2
541730	Soil			<0.02	<1	<0.1	0.4	<10	<2
541731	Soil			<0.02	<1	<0.1	0.5	<10	<2
541732	Soil			<0.02	<1	<0.1	0.1	<10	<2
541733	Soil			<0.02	<1	<0.1	0.4	<10	<2
541734	Soil			<0.02	<1	0.3	8.6	<10	<2
541735	Soil			<0.02	<1	<0.1	2.1	<10	<2
541736	Soil			<0.02	<1	<0.1	0.6	<10	<2
541737	Soil			<0.02	<1	0.1	1.9	<10	<2
541738	Soil			<0.02	<1	<0.1	0.2	<10	<2
541739	Soil			0.02	3	0.3	10.5	<10	<2
541740	Soil			<0.02	2	0.2	3.9	<10	<2
541741	Soil			<0.02	<1	<0.1	5.2	<10	<2
541742	Soil			<0.02	1	0.2	0.3	<10	3
541743	Soil			<0.02	2	0.1	2.4	<10	<2
541744	Soil			<0.02	<1	0.3	3.9	<10	2
541745	Soil			<0.02	<1	0.4	1.1	<10	<2
541746	Soil			<0.02	<1	<0.1	0.4	<10	<2
541747	Soil			<0.02	2	0.2	0.1	<10	<2
541748	Soil			<0.02	<1	<0.1	0.2	<10	<2
541749	Soil			<0.02	2	<0.1	1.2	<10	<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

Project: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
541750	Soil			3.06	40.69	6.28	46.8	292	8.5	15.4	3138	0.61	3.7	0.2	4.6	<0.1	31.1	0.59	0.15	0.11	10	0.56	0.147
541751	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537422	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537423	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537424	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537425	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537426	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537427	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537428	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537429	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537430	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537431	Soil			1.63	29.31	6.59	27.4	486	11.1	6.9	1153	1.12	2.1	0.1	1.0	<0.1	58.6	0.08	0.11	0.12	31	0.80	0.086
537432	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537433	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537434	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537435	Soil			1.61	21.74	9.44	24.1	235	11.1	3.2	119	0.66	3.0	0.1	0.9	<0.1	40.7	0.09	0.14	0.12	17	0.34	0.083
537436	Soil			4.07	333.6	3.88	18.5	234	40.4	26.4	763	0.95	2.2	0.3	2.5	<0.1	55.2	0.29	0.16	0.06	20	1.59	0.109
537437	Soil			5.58	15.77	2.10	33.3	77	8.8	2.1	62	0.32	1.2	<0.1	0.5	<0.1	17.5	0.13	0.06	0.04	7	0.43	0.070
537438	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537439	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537440	Soil			7.96	24.16	2.60	20.6	98	13.6	5.0	175	0.67	1.4	<0.1	1.0	<0.1	39.9	0.13	0.05	0.06	18	0.60	0.097
537526	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537527	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537528	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537529	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537530	Soil			0.43	10.96	3.86	32.2	127	5.9	6.3	629	0.82	2.5	0.1	1.6	<0.1	31.9	0.11	0.12	0.05	21	0.45	0.119
537531	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537532	Soil			0.98	12.00	3.77	46.2	376	5.9	2.2	706	0.37	1.8	<0.1	1.1	<0.1	31.6	0.20	0.08	0.06	12	0.43	0.110
537533	Soil			1.53	33.95	3.28	25.6	1009	6.8	5.4	204	1.01	4.0	0.5	1.4	<0.1	37.5	0.36	0.12	0.05	28	0.70	0.156
537534	Soil			2.34	36.37	4.65	28.7	302	7.9	9.8	1157	1.18	3.6	0.3	17.5	<0.1	51.6	0.42	0.18	0.06	38	1.40	0.157



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
541750	Soil	2.5	8.5	0.14	231.2	0.007	4	0.57	0.007	0.09	<0.1	0.3	0.11	0.16	169	0.4	0.03	1.2	0.60	<0.1	<0.02
541751	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537422	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537423	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537424	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537425	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537426	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537427	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537428	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537429	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537430	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537431	Soil	2.1	19.9	0.29	232.6	0.030	2	0.84	0.009	0.07	0.3	0.7	0.04	0.13	139	0.3	0.03	2.8	0.67	<0.1	<0.02
537432	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537433	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537434	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537435	Soil	2.3	19.0	0.11	238.4	0.010	<1	0.44	0.011	0.06	0.2	0.3	0.04	0.08	89	0.4	<0.02	1.9	0.40	<0.1	0.02
537436	Soil	5.7	19.5	0.67	42.9	0.014	5	1.27	0.011	0.09	0.6	1.4	0.14	0.17	80	1.1	0.02	1.8	1.52	0.2	<0.02
537437	Soil	0.6	11.9	0.14	30.7	0.013	2	0.19	0.010	0.10	0.2	0.7	<0.02	0.14	120	0.3	0.03	0.6	0.79	<0.1	<0.02
537438	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537439	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537440	Soil	0.9	18.6	0.32	49.6	0.028	1	0.46	0.012	0.10	0.6	0.7	0.04	0.13	88	0.4	0.02	1.5	0.82	<0.1	<0.02
537526	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537527	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537528	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537529	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537530	Soil	2.1	13.2	0.21	80.7	0.019	<1	0.54	0.010	0.09	<0.1	0.3	0.05	0.11	161	0.2	<0.02	2.0	0.76	<0.1	<0.02
537531	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537532	Soil	0.9	7.2	0.15	166.9	0.022	2	0.20	0.011	0.11	0.1	0.5	0.03	0.13	114	0.4	0.03	1.2	0.59	<0.1	<0.02
537533	Soil	5.8	15.0	0.28	62.4	0.016	<1	1.16	0.010	0.09	0.1	0.5	0.03	0.24	121	0.3	<0.02	2.9	0.37	<0.1	<0.02
537534	Soil	4.8	18.7	0.34	110.8	0.021	<1	1.20	0.010	0.09	0.1	0.4	0.06	0.21	78	0.3	<0.02	3.5	0.60	<0.1	<0.02

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 8 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
541750	Soil	0.19	7.2	0.2	<0.05	<0.1	1.44	5.3	<0.02	<1	0.1	0.9	<10	<2	2.86	41.87	6.86	48.3	304	7.4	14.5
541751	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537422	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	69.86	181.1	3.74	33.4	154	13.4	6.0
537423	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	57.32	309.5	8.69	26.5	536	14.0	9.2
537424	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	37.55	72.49	3.85	58.0	205	10.1	4.5
537425	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	6.61	15.71	2.83	69.2	78	3.7	1.2
537426	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	26.41	18.47	3.61	17.9	215	3.7	1.4
537427	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	17.64	28.01	3.97	25.1	138	6.3	3.5
537428	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	9.80	10.74	4.60	35.7	99	2.8	1.0
537429	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.68	21.69	4.83	31.0	747	6.9	2.3
537430	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.11	37.92	6.40	55.5	343	13.2	11.2
537431	Soil	0.65	19.2	0.3	<0.05	0.1	1.34	3.8	<0.02	<1	0.1	2.2	<10	<2	1.50	33.38	7.45	29.7	480	11.4	7.2
537432	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537433	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.49	20.05	3.96	24.3	240	9.6	2.5
537434	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	15.11	49.09	4.27	33.5	155	4.7	4.0
537435	Soil	0.23	5.8	0.3	<0.05	<0.1	1.17	4.5	<0.02	<1	<0.1	0.7	<10	<2	1.60	25.40	11.30	25.6	244	11.1	3.5
537436	Soil	0.61	15.0	0.2	<0.05	0.5	5.13	4.3	<0.02	<1	0.3	2.4	<10	3	3.96	351.7	4.73	23.8	239	43.3	27.4
537437	Soil	0.25	18.7	<0.1	<0.05	0.3	0.46	1.0	<0.02	1	<0.1	0.8	<10	<2	6.37	23.80	3.03	44.2	85	12.1	2.7
537438	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	9.40	15.33	5.03	41.0	53	9.1	4.8
537439	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	21.71	41.01	5.52	34.1	129	19.5	6.8
537440	Soil	0.21	20.6	0.1	<0.05	<0.1	0.81	1.6	<0.02	<1	<0.1	1.8	<10	<2	8.69	32.26	3.41	26.3	103	16.1	6.4
537526	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.99	12.36	4.71	36.0	671	10.8	7.0
537527	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537528	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	3.57	21.28	3.07	39.4	208	5.6	1.9
537529	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.04	60.14	3.48	110.5	145	10.2	7.5
537530	Soil	0.29	9.6	0.1	<0.05	<0.1	1.66	4.3	<0.02	<1	0.1	1.3	<10	<2	0.49	14.34	5.12	39.1	154	6.9	7.0
537531	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.75	11.33	3.72	27.4	324	4.4	3.4
537532	Soil	0.66	8.9	0.2	<0.05	<0.1	0.43	1.6	<0.02	<1	<0.1	0.5	<10	<2	0.99	14.08	4.55	54.5	431	6.4	2.7
537533	Soil	0.93	7.8	0.3	<0.05	0.1	3.29	9.9	<0.02	<1	0.3	2.4	<10	<2	1.45	34.62	3.62	25.3	1033	7.6	5.7
537534	Soil	1.06	11.8	0.3	<0.05	0.1	2.94	8.9	<0.02	<1	0.2	3.3	<10	<2	2.24	38.24	5.00	30.7	350	8.8	10.7

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 8 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	%
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	
541750	Soil	3138	0.49	2.1	0.1	1.3	<0.1	35.7	0.63	0.13	0.07	10	0.60	0.140	2.5	8.5	0.12	240.6	0.004	<20	0.53	
541751	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537422	Soil	341	0.74	2.0	0.5	4.3	0.1	56.9	1.38	0.14	0.33	21	2.48	0.088	2.1	19.1	0.33	36.6	0.024	<20	0.58	
537423	Soil	1913	0.43	1.9	0.9	4.4	<0.1	83.6	1.39	0.31	0.18	10	2.56	0.122	4.8	10.7	0.19	55.9	0.007	<20	0.61	
537424	Soil	331	0.39	1.6	0.2	0.9	<0.1	74.1	1.65	0.09	0.25	9	2.41	0.085	0.6	13.6	0.22	36.0	0.011	<20	0.28	
537425	Soil	50	0.11	1.1	<0.1	0.5	<0.1	22.5	0.81	0.09	0.05	<2	0.54	0.080	<0.5	4.8	0.05	22.3	0.003	<20	0.07	
537426	Soil	120	0.16	0.7	<0.1	0.6	<0.1	43.5	0.34	0.08	0.07	3	0.82	0.084	<0.5	5.7	0.07	31.8	0.005	<20	0.11	
537427	Soil	106	0.32	0.7	<0.1	1.6	<0.1	25.4	0.65	0.14	0.15	8	0.45	0.072	0.6	9.4	0.12	33.1	0.010	<20	0.20	
537428	Soil	202	0.18	0.4	<0.1	0.5	<0.1	21.6	0.31	0.10	0.04	3	0.40	0.088	<0.5	4.3	0.06	73.0	0.005	<20	0.10	
537429	Soil	125	0.53	0.4	<0.1	<0.2	<0.1	19.8	0.16	0.09	0.06	13	0.24	0.062	1.3	12.1	0.16	94.9	0.007	<20	0.35	
537430	Soil	1405	1.26	1.0	<0.1	0.7	<0.1	95.5	0.19	0.09	0.21	36	1.34	0.119	1.1	20.0	0.47	221.8	0.051	<20	0.58	
537431	Soil	1217	1.16	1.1	0.1	3.3	<0.1	66.5	0.09	0.11	0.11	34	0.81	0.084	2.3	20.8	0.30	243.5	0.035	<20	0.89	
537432	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537433	Soil	357	0.64	1.1	<0.1	0.4	<0.1	47.6	0.08	0.09	0.06	20	0.73	0.109	1.1	14.2	0.19	169.1	0.034	<20	0.39	
537434	Soil	450	0.24	1.3	0.1	0.4	<0.1	76.8	0.85	0.11	0.06	6	1.65	0.154	1.7	5.8	0.27	83.6	0.009	<20	0.29	
537435	Soil	126	0.68	1.2	0.1	<0.2	<0.1	49.3	0.12	0.13	0.12	19	0.37	0.079	2.5	20.1	0.12	261.1	0.010	<20	0.50	
537436	Soil	787	1.07	2.7	0.4	1.6	0.1	66.7	0.34	0.22	0.06	25	1.68	0.115	6.3	23.6	0.73	46.7	0.020	<20	1.45	
537437	Soil	86	0.38	1.2	<0.1	<0.2	<0.1	24.2	0.16	0.07	0.04	9	0.54	0.084	0.7	16.5	0.17	37.9	0.017	<20	0.25	
537438	Soil	172	0.24	1.2	<0.1	0.5	<0.1	28.9	0.30	0.11	0.05	5	0.53	0.098	0.6	11.2	0.19	47.2	0.010	<20	0.17	
537439	Soil	520	0.69	1.5	<0.1	0.6	<0.1	55.3	0.52	0.12	0.06	17	1.13	0.125	1.4	23.1	0.54	60.3	0.022	<20	0.52	
537440	Soil	202	0.82	1.1	<0.1	<0.2	<0.1	51.6	0.15	0.07	0.06	23	0.68	0.101	1.0	25.3	0.38	56.8	0.034	<20	0.56	
537526	Soil	201	0.47	1.5	0.1	0.7	<0.1	45.3	0.51	0.17	0.05	12	0.87	0.134	1.5	18.7	0.15	43.8	0.016	<20	0.35	
537527	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537528	Soil	72	0.33	1.9	0.4	1.5	<0.1	50.3	0.41	0.22	0.04	10	1.33	0.079	1.2	12.8	0.10	34.9	0.013	<20	0.27	
537529	Soil	631	0.95	2.3	1.4	5.4	<0.1	56.2	1.46	0.19	0.05	41	1.81	0.102	3.5	22.8	0.31	66.5	0.032	<20	0.78	
537530	Soil	691	0.91	1.3	0.2	0.6	<0.1	41.3	0.15	0.15	0.05	25	0.53	0.133	2.4	16.4	0.25	92.6	0.024	<20	0.57	
537531	Soil	73	0.26	1.5	<0.1	1.2	<0.1	49.5	0.23	0.11	0.04	6	0.79	0.121	1.0	7.2	0.09	113.1	0.008	<20	0.27	
537532	Soil	793	0.42	0.5	<0.1	<0.2	<0.1	34.1	0.24	0.08	0.06	14	0.51	0.120	0.9	9.7	0.18	177.7	0.019	<20	0.22	
537533	Soil	208	1.00	0.8	0.4	0.3	<0.1	35.6	0.38	0.09	0.06	28	0.71	0.146	5.6	15.0	0.27	64.5	0.012	<20	1.14	
537534	Soil	1254	1.18	0.8	0.3	0.6	<0.1	49.2	0.45	0.14	0.07	39	1.46	0.139	4.7	17.8	0.32	114.8	0.014	<20	1.23	

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 8 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
541750	Soil			0.008	0.09	<0.1	0.2	0.09	0.15	166	0.7	<0.02	1.1	0.39	<0.1	<0.02	0.16	5.4	0.1	<0.05	<0.1	1.42	5.2
541751	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537422	Soil			0.014	0.08	0.1	1.2	0.06	0.17	106	0.7	0.03	1.5	1.61	<0.1	0.03	0.32	8.5	0.1	<0.05	0.8	2.48	2.7
537423	Soil			0.008	0.08	0.2	0.6	0.27	0.21	146	1.1	0.03	1.1	2.02	0.1	<0.02	0.16	7.8	0.1	<0.05	0.2	5.20	3.3
537424	Soil			0.008	0.09	<0.1	0.7	0.04	0.19	133	0.7	<0.02	0.8	3.32	<0.1	<0.02	0.12	13.6	0.1	<0.05	0.4	0.67	1.0
537425	Soil			0.007	0.07	<0.1	0.3	0.03	0.14	150	0.6	<0.02	0.2	0.44	<0.1	<0.02	0.06	6.6	0.1	<0.05	0.3	0.20	0.6
537426	Soil			0.008	0.07	<0.1	0.4	0.05	0.15	173	0.7	<0.02	0.3	0.92	<0.1	<0.02	0.08	9.3	<0.1	<0.05	0.3	0.26	0.6
537427	Soil			0.009	0.07	<0.1	0.6	0.09	0.12	117	0.6	<0.02	0.7	1.61	<0.1	<0.02	0.21	10.7	0.1	<0.05	0.7	0.43	1.0
537428	Soil			0.009	0.09	<0.1	0.3	0.04	0.12	138	0.5	<0.02	0.3	0.59	<0.1	<0.02	0.07	11.2	0.1	<0.05	0.1	0.23	0.8
537429	Soil			0.013	0.07	<0.1	0.2	0.02	0.09	107	0.6	<0.02	1.1	0.23	<0.1	<0.02	0.22	6.2	0.2	<0.05	<0.1	0.57	2.5
537430	Soil			0.013	0.10	0.3	0.9	0.03	0.17	132	0.7	0.36	2.9	0.58	<0.1	<0.02	0.89	17.2	0.2	<0.05	0.2	0.85	2.2
537431	Soil			0.012	0.07	0.2	0.8	0.04	0.12	130	0.7	<0.02	2.8	0.50	<0.1	<0.02	0.60	18.0	0.3	<0.05	0.2	1.48	4.1
537432	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537433	Soil			0.011	0.08	0.2	0.5	0.02	0.14	135	0.6	<0.02	1.8	0.72	<0.1	<0.02	0.93	9.1	0.3	<0.05	0.2	0.68	2.0
537434	Soil			0.010	0.10	0.2	0.4	0.03	0.23	140	0.6	<0.02	0.7	0.30	<0.1	<0.02	0.40	9.3	0.2	<0.05	0.2	1.44	2.3
537435	Soil			0.011	0.06	0.2	0.3	0.03	0.08	85	0.4	<0.02	1.9	0.35	<0.1	<0.02	0.39	5.2	0.4	<0.05	<0.1	1.29	4.7
537436	Soil			0.016	0.09	0.6	1.7	0.15	0.18	94	1.3	<0.02	2.0	1.67	0.1	<0.02	0.59	16.0	0.2	<0.05	0.3	5.73	4.8
537437	Soil			0.011	0.11	0.2	0.6	0.03	0.14	142	0.6	<0.02	0.8	0.84	<0.1	<0.02	0.35	22.0	0.1	<0.05	0.2	0.63	1.2
537438	Soil			0.009	0.12	0.4	0.5	0.03	0.17	138	0.6	<0.02	0.5	0.47	<0.1	<0.02	0.15	19.9	0.1	<0.05	0.2	0.36	1.1
537439	Soil			0.011	0.13	0.6	1.1	0.03	0.19	160	0.6	0.03	1.6	1.69	<0.1	0.03	0.44	34.2	0.2	<0.05	0.8	1.19	2.5
537440	Soil			0.015	0.11	0.5	0.9	0.05	0.13	117	0.7	0.05	1.8	0.79	<0.1	<0.02	0.28	20.8	0.1	<0.05	0.3	1.01	1.9
537526	Soil			0.018	0.13	<0.1	0.5	0.03	0.18	138	0.7	<0.02	1.1	0.63	<0.1	<0.02	0.69	14.6	0.2	<0.05	0.3	1.23	2.9
537527	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537528	Soil			0.014	0.06	0.2	0.8	<0.02	0.19	119	1.5	<0.02	0.8	0.21	<0.1	0.04	0.48	2.1	0.1	<0.05	1.4	1.19	2.2
537529	Soil			0.015	0.08	0.3	1.0	0.05	0.18	122	1.0	<0.02	2.5	0.55	<0.1	<0.02	0.64	6.6	0.2	<0.05	0.4	3.24	6.3
537530	Soil			0.011	0.10	<0.1	0.5	0.06	0.11	189	0.7	<0.02	2.2	0.71	<0.1	<0.02	0.40	9.4	0.2	<0.05	<0.1	1.96	4.6
537531	Soil			0.009	0.09	<0.1	0.5	<0.02	0.16	134	0.7	<0.02	0.5	0.19	<0.1	<0.02	0.24	5.5	0.1	<0.05	<0.1	0.92	1.8
537532	Soil			0.012	0.10	0.1	0.5	0.04	0.13	179	0.2	<0.02	1.3	0.49	<0.1	<0.02	0.77	9.1	0.2	<0.05	0.1	0.46	1.6
537533	Soil			0.012	0.09	0.1	0.4	0.03	0.22	133	0.2	<0.02	2.9	0.27	<0.1	<0.02	1.38	6.0	0.3	<0.05	0.6	3.19	9.8
537534	Soil			0.012	0.09	<0.1	0.5	0.06	0.20	111	0.3	<0.02	3.8	0.39	<0.1	<0.02	1.40	9.6	0.3	<0.05	0.3	2.87	8.7



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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 8 of 9 Part 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F In ppm	1F Re ppb	1F Be ppm	1F Li ppm	1F Pd ppb	1F Pt ppb
				0.02	1	0.1	0.1	10	2
541750	Soil			<0.02	1	0.1	0.8	<10	4
541751	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537422	Soil			<0.02	<1	<0.1	5.1	<10	<2
537423	Soil			<0.02	2	0.4	1.9	11	<2
537424	Soil			<0.02	2	<0.1	2.5	<10	<2
537425	Soil			<0.02	<1	<0.1	0.1	<10	<2
537426	Soil			<0.02	1	<0.1	0.3	<10	<2
537427	Soil			<0.02	<1	<0.1	1.0	<10	<2
537428	Soil			<0.02	<1	<0.1	0.2	<10	<2
537429	Soil			<0.02	<1	<0.1	0.6	<10	<2
537430	Soil			<0.02	<1	<0.1	2.6	<10	<2
537431	Soil			<0.02	<1	0.2	2.0	<10	<2
537432	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537433	Soil			<0.02	<1	<0.1	1.1	<10	<2
537434	Soil			<0.02	<1	<0.1	0.4	<10	<2
537435	Soil			<0.02	<1	0.1	0.6	<10	<2
537436	Soil			<0.02	<1	0.3	2.4	<10	<2
537437	Soil			<0.02	<1	<0.1	0.9	<10	<2
537438	Soil			<0.02	<1	<0.1	0.3	<10	<2
537439	Soil			<0.02	1	<0.1	2.3	<10	<2
537440	Soil			<0.02	<1	<0.1	2.1	<10	<2
537526	Soil			<0.02	<1	<0.1	1.1	<10	<2
537527	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
537528	Soil			<0.02	<1	<0.1	0.8	<10	<2
537529	Soil			<0.02	<1	0.2	3.2	<10	<2
537530	Soil			<0.02	<1	0.2	1.5	<10	<2
537531	Soil			<0.02	<1	0.2	0.2	<10	<2
537532	Soil			<0.02	<1	<0.1	0.6	<10	<2
537533	Soil			<0.02	<1	0.3	2.3	<10	<2
537534	Soil			<0.02	<1	0.2	2.9	<10	<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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 9 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
Unit	MDL	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
537535	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537536	Soil	2.58	30.26	2.98	22.4	168	5.5	5.5	1348	0.60	<0.1	0.1	0.3	<0.1	69.9	0.46	0.15	0.03	17	2.04	0.150
537537	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537538	Soil	1.71	23.51	3.89	33.2	159	5.2	4.3	999	0.52	<0.1	0.2	<0.2	<0.1	55.7	0.56	0.15	0.04	12	1.56	0.176
537539	Soil	2.35	162.7	4.03	38.7	483	12.2	12.1	1210	1.78	2.8	0.6	5.2	<0.1	60.8	0.31	0.49	0.07	53	1.59	0.140
537540	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537541	Soil	2.76	14.39	4.72	33.9	74	4.6	2.5	415	0.31	0.7	0.1	0.6	0.1	40.5	0.39	0.15	0.05	7	0.78	0.098
537542	Soil	2.46	12.51	2.76	25.7	125	8.3	1.3	153	0.42	0.7	0.1	<0.2	0.2	46.4	0.14	0.21	0.06	9	1.30	0.091
537543	Soil	1.06	27.53	5.79	143.8	152	30.0	5.5	8111	1.49	5.8	0.3	8.9	0.2	31.7	0.20	0.62	0.18	22	0.99	0.117
537544	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537545	Soil	0.98	12.25	5.40	25.8	112	4.4	9.0	1415	0.51	0.8	0.3	2.7	<0.1	26.0	0.33	0.14	0.11	10	0.50	0.152
537546	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537547	Soil	1.35	27.95	5.17	50.4	66	9.0	12.3	1357	0.61	<0.1	<0.1	1.6	<0.1	38.6	1.66	0.12	0.09	10	1.15	0.104
537548	Soil	0.76	18.12	4.33	22.9	143	5.1	2.5	106	0.86	3.0	0.2	2.3	<0.1	24.0	0.17	0.30	0.30	18	0.23	0.134
540492	Soil	6.23	12.45	6.18	29.7	376	7.0	3.2	451	0.82	1.7	0.1	1.3	0.1	36.5	0.29	0.13	0.10	38	0.43	0.072
540493	Soil	33.09	23.33	2.18	21.8	116	4.7	1.8	75	0.23	<0.1	<0.1	1.6	<0.1	77.8	0.86	0.14	0.07	6	1.60	0.069
540494	Soil	4.21	17.89	2.13	102.5	62	4.2	16.3	372	0.09	<0.1	<0.1	0.9	<0.1	34.2	1.62	0.05	0.04	<2	1.70	0.091
540495	Soil	1.30	34.16	6.73	37.9	148	15.4	7.6	347	1.14	1.0	0.2	1.2	<0.1	61.4	0.11	0.15	0.12	30	0.50	0.097
540496	Soil	1.32	17.10	6.71	25.7	87	14.1	5.8	4004	1.22	0.5	0.1	1.9	<0.1	85.5	0.24	0.14	0.11	32	1.52	0.096
540497	Soil	0.66	28.63	3.97	44.1	135	10.8	9.2	1114	1.15	0.5	<0.1	1.0	<0.1	120.9	0.43	0.08	0.06	30	1.79	0.117
540498	Soil	0.92	17.92	5.93	24.8	253	10.2	4.9	261	1.53	1.3	0.1	1.5	0.1	56.4	0.23	0.15	0.13	47	0.64	0.064
540499	Soil	3.52	13.31	3.76	41.6	209	4.3	2.0	260	0.41	0.9	0.1	2.0	<0.1	25.8	0.20	0.10	0.08	13	0.53	0.133
540500	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541701	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541702	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541703	Soil	14.08	48.97	4.02	23.7	168	23.0	12.1	967	0.87	<0.1	<0.1	1.8	<0.1	68.9	0.38	0.07	0.06	21	1.43	0.128
541704	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541705	Soil	10.86	20.78	2.85	18.8	143	9.1	6.3	673	0.28	<0.1	<0.1	0.7	<0.1	32.2	0.28	0.07	0.03	6	0.50	0.061



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 9 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	1F15 Cs ppm	1F15 Ge ppm	1F15 Hf ppm
Unit	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
537535	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537536	Soil	3.8	9.2	0.22	109.7	0.015	2	0.62	0.010	0.08	0.1	0.6	0.06	0.21	118	0.4	<0.02	1.5	0.32	<0.1	<0.02
537537	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537538	Soil	3.2	7.9	0.19	87.0	0.013	1	0.57	0.009	0.12	<0.1	0.7	0.04	0.24	95	0.4	<0.02	1.1	0.51	<0.1	0.03
537539	Soil	11.2	39.9	0.52	125.8	0.025	1	1.66	0.009	0.07	0.2	1.2	0.11	0.18	64	2.7	0.05	5.0	1.08	<0.1	<0.02
537540	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537541	Soil	1.6	5.5	0.10	126.0	0.013	2	0.23	0.008	0.09	<0.1	0.6	0.03	0.17	153	0.7	<0.02	1.0	0.87	<0.1	0.03
537542	Soil	2.1	8.2	0.12	81.1	0.010	<1	0.30	0.007	0.06	<0.1	0.8	0.04	0.16	142	0.5	<0.02	0.9	0.34	<0.1	0.09
537543	Soil	7.1	22.3	0.34	381.8	0.021	6	1.02	0.012	0.09	0.1	2.3	0.44	0.12	359	0.6	0.05	3.5	0.89	<0.1	<0.02
537544	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537545	Soil	3.4	5.8	0.10	223.6	0.010	4	0.43	0.008	0.11	<0.1	0.5	0.06	0.15	177	0.3	<0.02	1.2	0.60	<0.1	<0.02
537546	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537547	Soil	1.3	6.0	0.14	66.5	0.014	4	0.38	0.011	0.09	<0.1	0.5	0.16	0.17	147	0.6	0.04	1.0	0.72	<0.1	<0.02
537548	Soil	1.9	9.5	0.15	63.9	0.014	3	0.80	0.011	0.07	0.2	0.4	0.05	0.14	156	0.4	0.05	2.7	1.56	<0.1	<0.02
540492	Soil	1.5	12.1	0.20	108.0	0.052	3	0.34	0.015	0.08	0.2	1.1	0.04	0.09	95	0.2	0.03	2.5	0.45	<0.1	<0.02
540493	Soil	0.8	5.7	0.07	44.9	0.008	3	0.15	0.011	0.05	0.1	0.6	0.04	0.22	113	0.4	0.02	0.5	0.26	<0.1	<0.02
540494	Soil	<0.5	2.8	0.30	27.6	0.002	11	0.05	0.012	0.07	<0.1	0.3	<0.02	0.23	119	0.3	<0.02	0.1	0.12	<0.1	<0.02
540495	Soil	3.2	29.7	0.26	188.8	0.014	1	0.82	0.009	0.06	0.1	0.3	0.04	0.08	108	0.2	0.04	3.1	0.92	<0.1	<0.02
540496	Soil	2.0	16.1	0.28	377.1	0.039	4	0.76	0.011	0.06	0.2	0.8	0.12	0.11	186	0.1	0.04	3.4	0.95	<0.1	<0.02
540497	Soil	1.6	16.8	0.39	244.1	0.034	4	0.88	0.013	0.08	0.2	0.9	0.03	0.13	126	0.3	0.03	2.5	0.61	<0.1	<0.02
540498	Soil	2.8	20.1	0.33	147.3	0.067	1	0.98	0.010	0.05	0.4	1.3	0.03	0.06	111	0.2	0.05	4.6	0.55	<0.1	<0.02
540499	Soil	1.9	7.3	0.10	99.1	0.016	2	0.35	0.008	0.13	0.3	0.4	0.05	0.12	156	0.2	0.03	1.6	0.59	<0.1	<0.02
540500	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541701	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541702	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541703	Soil	1.1	22.7	0.51	118.3	0.021	5	0.65	0.014	0.09	0.6	0.8	0.04	0.19	96	0.1	0.03	1.9	0.93	<0.1	<0.02
541704	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541705	Soil	0.8	7.1	0.18	99.7	0.008	2	0.21	0.005	0.06	0.2	0.4	0.03	0.07	57	<0.1	0.03	0.7	0.74	<0.1	<0.02



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 9 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F	1F	1F	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag	Ni	Co
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	
537535	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.12	21.47	3.73	17.3	248	4.5	3.7	
537536	Soil	0.60	8.4	0.1	<0.05	0.2	2.54	6.2	<0.02	<1	0.2	1.9	<10	<2	2.12	33.18	3.23	24.7	183	6.0	6.4
537537	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.73	30.06	4.86	31.6	277	5.2	3.8	
537538	Soil	0.49	13.7	0.1	<0.05	0.3	2.39	5.0	<0.02	<1	0.1	1.3	<10	<2	1.55	24.69	3.85	31.1	156	5.2	4.3
537539	Soil	2.48	9.4	0.4	<0.05	0.5	14.53	7.7	<0.02	2	0.4	6.6	12	<2	2.37	164.1	4.19	42.6	457	11.9	13.2
537540	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.03	13.90	4.18	29.6	141	2.9	2.2	
537541	Soil	0.71	11.3	0.1	<0.05	0.8	1.40	2.6	<0.02	<1	<0.1	0.8	<10	<2	2.32	12.73	3.96	31.3	56	3.9	2.3
537542	Soil	1.32	5.6	0.1	<0.05	3.9	2.14	3.7	<0.02	<1	0.1	1.5	<10	<2	2.42	13.94	2.97	26.7	111	9.5	1.7
537543	Soil	3.66	7.7	0.7	<0.05	0.8	7.16	13.7	0.06	<1	0.5	7.0	<10	<2	1.07	26.81	5.09	135.3	132	29.2	5.5
537544	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.74	14.35	4.42	34.1	481	6.0	2.1	
537545	Soil	0.49	8.5	0.3	<0.05	<0.1	1.97	6.5	<0.02	<1	0.1	0.8	<10	<2	0.98	13.79	5.19	28.6	111	4.1	9.6
537546	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.60	69.91	4.53	13.5	253	5.9	2.8	
537547	Soil	0.21	7.3	0.2	<0.05	<0.1	1.66	3.4	<0.02	<1	<0.1	1.6	<10	<2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537548	Soil	0.77	5.8	0.5	<0.05	<0.1	0.90	3.8	<0.02	<1	<0.1	1.5	<10	<2	0.78	18.63	4.22	23.2	130	5.3	2.8
540492	Soil	0.94	5.7	0.3	<0.05	0.3	0.81	2.6	<0.02	<1	<0.1	1.5	<10	<2	5.46	11.95	4.79	27.0	312	6.6	3.1
540493	Soil	0.26	3.4	0.2	<0.05	0.5	0.72	1.2	<0.02	2	<0.1	0.7	<10	<2	31.81	22.57	1.76	20.5	94	5.2	1.8
540494	Soil	0.04	6.6	0.1	<0.05	0.2	0.14	0.3	<0.02	<1	<0.1	0.2	<10	<2	3.80	17.30	1.96	90.3	32	3.9	16.2
540495	Soil	1.00	7.2	0.4	<0.05	<0.1	2.26	6.8	<0.02	<1	0.2	2.4	<10	<2	1.22	34.35	5.80	36.7	138	16.2	8.3
540496	Soil	1.18	16.8	0.4	<0.05	<0.1	1.15	4.5	<0.02	<1	<0.1	2.8	<10	<2	1.33	17.87	5.86	25.5	77	14.3	6.1
540497	Soil	0.84	8.0	0.2	<0.05	0.4	1.22	3.2	<0.02	<1	<0.1	3.5	<10	<2	0.65	27.86	3.29	41.9	125	11.4	9.2
540498	Soil	1.44	11.1	0.4	<0.05	0.4	1.69	5.2	<0.02	<1	0.1	3.0	<10	<2	0.84	18.25	5.30	24.3	236	10.1	5.3
540499	Soil	1.01	12.8	0.3	<0.05	<0.1	0.80	3.6	<0.02	<1	<0.1	0.7	<10	<2	3.50	13.78	3.32	40.9	199	4.3	2.1
540500	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.64	9.20	3.09	38.4	72	4.5	0.9	
541701	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	4.78	18.98	3.08	44.8	100	8.5	2.3	
541702	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	14.69	19.67	3.30	17.2	77	13.6	6.3	
541703	Soil	0.41	23.3	0.1	<0.05	0.2	0.88	2.1	<0.02	<1	<0.1	3.4	<10	<2	12.84	50.08	3.40	23.7	153	22.1	13.1
541704	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	20.40	45.23	4.77	39.2	262	19.4	14.7	
541705	Soil	0.12	16.0	<0.1	<0.05	<0.1	0.66	1.5	<0.02	<1	<0.1	0.7	<10	<2	3.23	19.62	2.79	27.0	89	9.1	3.9



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 9 of 9 Part 4

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
Unit		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	
MDL		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
537535	Soil	731	0.37	0.5	0.2	11.8	<0.1	66.1	0.79	0.18	0.04	10	2.02	0.144	3.6	6.6	0.15	85.6	0.005	<20	0.50
537536	Soil	1477	0.66	0.5	0.2	<0.2	<0.1	69.5	0.52	0.12	0.03	19	2.19	0.146	3.9	11.6	0.23	116.4	0.009	<20	0.66
537537	Soil	1123	0.43	0.6	0.1	0.8	<0.1	57.2	0.95	0.14	0.04	10	1.74	0.180	2.8	7.9	0.16	95.5	0.005	<20	0.51
537538	Soil	1132	0.52	0.8	0.1	2.5	<0.1	53.7	0.58	0.17	0.05	13	1.64	0.187	2.9	8.0	0.21	86.5	0.009	<20	0.60
537539	Soil	1263	1.84	2.7	0.6	3.7	<0.1	58.9	0.38	0.49	0.08	56	1.61	0.163	10.5	43.2	0.54	124.9	0.030	<20	1.74
537540	Soil	245	0.24	0.6	0.1	0.7	<0.1	25.2	0.20	0.12	0.06	5	0.50	0.167	1.2	4.5	0.10	131.7	0.007	<20	0.23
537541	Soil	376	0.27	0.7	0.1	0.6	<0.1	34.5	0.40	0.12	0.06	6	0.79	0.106	1.3	4.7	0.10	112.7	0.010	<20	0.21
537542	Soil	167	0.49	1.9	0.1	0.6	0.2	45.5	0.15	0.23	0.06	10	1.37	0.104	2.1	9.1	0.15	82.6	0.009	<20	0.36
537543	Soil	7316	1.47	5.4	0.3	1.7	0.2	27.3	0.15	0.46	0.09	21	0.90	0.103	6.2	22.0	0.35	315.3	0.017	<20	0.95
537544	Soil	511	0.24	1.1	<0.1	0.5	<0.1	34.1	0.15	0.23	0.05	4	0.39	0.136	0.8	6.7	0.13	190.5	0.006	<20	0.36
537545	Soil	1385	0.46	0.8	0.2	<0.2	<0.1	24.4	0.32	0.12	0.06	9	0.50	0.140	3.2	5.8	0.11	198.0	0.009	<20	0.44
537546	Soil	707	0.31	1.7	0.2	0.6	<0.1	59.4	0.66	0.21	0.06	5	2.90	0.148	3.6	5.8	0.12	68.4	0.007	<20	0.56
537547	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537548	Soil	104	0.81	0.9	0.1	1.7	<0.1	22.6	0.16	0.12	0.09	17	0.23	0.128	1.7	9.2	0.15	58.0	0.012	<20	0.73
540492	Soil	410	0.73	1.0	<0.1	<0.2	<0.1	29.1	0.23	0.12	0.06	34	0.38	0.066	1.2	11.5	0.21	86.2	0.054	<20	0.31
540493	Soil	66	0.21	0.9	<0.1	0.6	<0.1	69.4	0.76	0.12	0.04	5	1.56	0.066	0.6	8.2	0.08	37.4	0.008	<20	0.14
540494	Soil	331	0.07	<0.1	<0.1	<0.2	<0.1	29.0	1.40	0.06	0.03	<2	1.60	0.084	<0.5	2.8	0.31	22.2	0.002	<20	0.05
540495	Soil	335	1.07	0.8	0.2	0.4	<0.1	55.0	0.11	0.12	0.10	29	0.50	0.097	3.0	31.6	0.28	164.2	0.020	<20	0.78
540496	Soil	3864	1.14	1.1	<0.1	3.8	<0.1	76.5	0.19	0.12	0.10	31	1.43	0.091	1.9	16.6	0.30	333.3	0.047	<20	0.71
540497	Soil	1022	1.03	1.1	<0.1	0.2	<0.1	106.0	0.42	0.07	0.05	28	1.68	0.115	1.3	17.8	0.39	201.8	0.035	<20	0.79
540498	Soil	254	1.40	1.1	0.1	1.5	<0.1	49.5	0.24	0.12	0.11	45	0.64	0.068	2.6	19.4	0.32	128.0	0.081	<20	0.92
540499	Soil	258	0.34	1.2	<0.1	19.4	<0.1	23.3	0.23	0.09	0.08	11	0.51	0.142	1.8	7.2	0.11	85.8	0.019	<20	0.35
540500	Soil	187	0.19	1.1	<0.1	<0.2	<0.1	14.0	0.20	0.11	0.05	4	0.34	0.152	0.7	5.7	0.11	62.7	0.008	<20	0.14
541701	Soil	77	0.23	1.0	<0.1	0.4	<0.1	20.6	0.35	0.13	0.05	4	0.37	0.115	0.8	6.8	0.13	48.8	0.006	<20	0.16
541702	Soil	186	0.28	0.7	<0.1	0.3	<0.1	34.5	0.46	0.09	0.05	5	0.66	0.103	0.7	9.4	0.18	35.0	0.009	<20	0.20
541703	Soil	957	0.83	0.7	<0.1	1.0	<0.1	59.9	0.34	0.06	0.06	20	1.35	0.126	0.9	22.6	0.50	99.9	0.021	<20	0.60
541704	Soil	1355	0.57	0.8	<0.1	<0.2	<0.1	60.1	0.56	0.09	0.06	12	1.01	0.121	1.6	15.8	0.36	178.2	0.013	<20	0.43
541705	Soil	123	0.69	0.6	<0.1	0.7	<0.1	27.2	0.18	0.08	0.06	21	0.39	0.112	1.2	15.7	0.18	42.0	0.026	<20	0.44



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 9 of 9 Part 5

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	Unit	MDL	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
				%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
537535	Soil			0.010	0.12	0.1	0.3	0.03	0.20	188	0.2	<0.02	1.1	0.43	<0.1	<0.02	0.60	7.1	0.1	<0.05	0.1	2.25	6.6
537536	Soil			0.012	0.08	<0.1	0.4	0.07	0.21	161	0.3	<0.02	1.6	0.28	<0.1	<0.02	0.63	8.2	0.1	<0.05	0.2	2.64	6.8
537537	Soil			0.011	0.14	<0.1	0.4	0.05	0.29	104	0.6	<0.02	1.0	0.35	<0.1	<0.02	0.51	9.7	0.1	<0.05	0.2	2.11	4.0
537538	Soil			0.009	0.12	<0.1	0.4	0.04	0.25	112	0.6	<0.02	1.2	0.40	<0.1	<0.02	0.38	11.9	0.2	<0.05	0.2	2.18	4.8
537539	Soil			0.009	0.07	0.2	0.9	0.10	0.20	79	3.0	0.03	5.2	0.99	<0.1	<0.02	1.93	9.1	0.5	<0.05	0.5	14.39	7.3
537540	Soil			0.010	0.11	<0.1	0.2	0.06	0.16	151	0.3	<0.02	0.8	0.56	<0.1	<0.02	0.40	8.8	0.2	<0.05	<0.1	0.85	2.1
537541	Soil			0.007	0.09	<0.1	0.4	0.03	0.17	135	0.4	<0.02	0.8	0.64	<0.1	<0.02	0.54	9.2	0.2	<0.05	0.5	1.12	2.2
537542	Soil			0.008	0.06	<0.1	0.7	0.04	0.17	141	0.6	0.05	1.1	0.27	<0.1	0.11	1.56	4.9	0.2	<0.05	5.4	2.29	3.8
537543	Soil			0.010	0.08	0.1	1.6	0.38	0.13	325	0.6	<0.02	3.8	0.61	<0.1	0.03	3.11	6.0	0.6	<0.05	2.7	6.53	12.2
537544	Soil			0.010	0.09	<0.1	0.2	0.03	0.13	134	0.2	<0.02	0.8	0.40	<0.1	<0.02	0.41	6.4	0.2	<0.05	<0.1	0.65	1.7
537545	Soil			0.007	0.11	<0.1	0.2	0.05	0.14	194	0.3	0.03	1.4	0.47	<0.1	<0.02	0.47	7.3	0.2	<0.05	<0.1	2.02	6.2
537546	Soil			0.013	0.07	<0.1	0.4	0.05	0.26	153	3.8	0.03	0.9	0.40	<0.1	<0.02	0.21	4.6	0.1	<0.05	0.6	4.13	3.4
537547	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537548	Soil			0.009	0.06	0.1	0.2	0.06	0.14	148	0.5	0.02	2.6	1.10	<0.1	<0.02	0.90	4.4	0.3	<0.05	0.2	0.82	3.4
540492	Soil			0.011	0.07	0.2	0.9	<0.02	0.08	91	0.2	0.03	2.3	0.36	<0.1	<0.02	0.72	4.6	0.2	<0.05	0.3	0.64	2.2
540493	Soil			0.011	0.05	<0.1	0.5	0.02	0.21	118	0.5	<0.02	0.5	0.19	<0.1	<0.02	0.22	3.2	<0.1	<0.05	0.5	0.65	1.0
540494	Soil			0.011	0.07	<0.1	0.3	<0.02	0.22	100	0.4	<0.02	0.2	0.11	<0.1	<0.02	0.05	5.9	<0.1	<0.05	<0.1	0.11	0.4
540495	Soil			0.008	0.05	0.1	0.4	0.02	0.08	94	0.3	<0.02	3.0	0.80	<0.1	<0.02	0.80	6.9	0.4	<0.05	<0.1	2.10	6.1
540496	Soil			0.009	0.06	0.2	0.7	0.09	0.10	161	0.3	0.04	3.4	0.83	<0.1	<0.02	0.94	15.6	0.3	<0.05	0.2	1.09	4.1
540497	Soil			0.011	0.08	0.2	0.8	<0.02	0.12	114	0.4	0.04	2.4	0.51	<0.1	<0.02	0.67	7.3	0.1	<0.05	0.3	1.07	2.5
540498	Soil			0.009	0.05	0.3	1.1	<0.02	0.06	87	0.2	0.06	4.4	0.50	<0.1	<0.02	1.23	10.3	0.4	<0.05	0.5	1.59	4.7
540499	Soil			0.006	0.12	0.2	0.4	0.05	0.12	150	0.2	0.04	1.5	0.51	<0.1	<0.02	0.91	11.5	0.3	<0.05	0.1	0.73	3.1
540500	Soil			0.012	0.11	<0.1	0.5	0.06	0.11	224	0.3	<0.02	0.5	0.48	<0.1	<0.02	0.45	14.3	0.1	<0.05	0.9	0.47	1.4
541701	Soil			0.011	0.09	<0.1	0.7	0.03	0.13	132	0.2	<0.02	0.5	0.41	<0.1	<0.02	0.37	11.7	0.1	<0.05	1.3	0.61	1.6
541702	Soil			0.010	0.09	0.1	0.5	0.03	0.17	102	0.2	<0.02	0.6	0.86	<0.1	<0.02	0.21	15.7	0.1	<0.05	0.5	0.43	1.2
541703	Soil			0.014	0.09	0.7	0.9	0.03	0.19	102	0.2	0.03	1.7	0.75	<0.1	<0.02	0.32	19.8	0.1	<0.05	0.2	0.77	1.8
541704	Soil			0.010	0.13	0.4	0.4	0.05	0.14	117	0.4	<0.02	1.3	1.10	<0.1	<0.02	0.21	26.0	0.1	<0.05	<0.1	1.17	2.7
541705	Soil			0.013	0.05	0.3	0.5	0.06	0.12	190	0.4	0.05	2.1	0.35	<0.1	<0.02	0.42	8.0	0.1	<0.05	0.2	0.81	2.3



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: Aug 12, 2011 Shipment
Report Date: September 28, 2011

Page: 9 of 9 **Part** 6

CERTIFICATE OF ANALYSIS

SMI11000354.1

Method	Analyte	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
Unit		ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	1	0.1	0.1	10	2
537535	Soil	<0.02	<1	0.1	0.9	<10	<2
537536	Soil	<0.02	<1	0.2	2.0	<10	<2
537537	Soil	<0.02	<1	0.1	1.2	<10	<2
537538	Soil	<0.02	<1	0.2	1.6	<10	<2
537539	Soil	0.02	<1	0.4	7.2	11	<2
537540	Soil	<0.02	<1	0.1	0.4	<10	<2
537541	Soil	<0.02	<1	<0.1	0.7	<10	<2
537542	Soil	<0.02	<1	0.2	1.9	<10	<2
537543	Soil	<0.02	<1	0.6	5.8	<10	<2
537544	Soil	<0.02	<1	0.1	0.6	<10	<2
537545	Soil	<0.02	<1	0.1	0.6	<10	<2
537546	Soil	<0.02	<1	0.1	1.2	<10	<2
537547	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537548	Soil	<0.02	<1	<0.1	1.4	<10	<2
540492	Soil	<0.02	<1	<0.1	1.1	<10	<2
540493	Soil	<0.02	4	<0.1	0.7	12	<2
540494	Soil	<0.02	<1	<0.1	<0.1	<10	<2
540495	Soil	<0.02	<1	0.2	2.3	<10	<2
540496	Soil	<0.02	<1	<0.1	2.9	<10	<2
540497	Soil	<0.02	<1	<0.1	3.4	<10	2
540498	Soil	<0.02	<1	0.1	2.8	<10	<2
540499	Soil	<0.02	<1	<0.1	0.5	<10	<2
540500	Soil	<0.02	<1	<0.1	0.6	<10	<2
541701	Soil	<0.02	<1	0.1	0.5	<10	<2
541702	Soil	<0.02	<1	<0.1	0.8	<10	<2
541703	Soil	<0.02	<1	0.1	2.9	<10	<2
541704	Soil	<0.02	<1	<0.1	1.4	<10	<2
541705	Soil	<0.02	<1	<0.1	1.2	<10	<2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

SMI11000354.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
537963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537963	QC																				
537974	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537974	QC																				
537989	Soil	0.84	13.93	7.04	45.7	773	6.1	4.5	692	1.32	0.3	<0.1	8.4	<0.1	22.5	0.20	0.16	0.08	31	0.37	0.088
REP 537989	QC	0.82	13.56	6.93	46.8	811	5.8	4.0	687	1.22	<0.1	<0.1	4.2	<0.1	22.1	0.21	0.18	0.07	29	0.37	0.087
540565	Soil	3.14	110.9	3.29	9.1	1489	1.5	0.4	646	0.11	0.2	0.2	1.7	<0.1	181.7	0.78	0.15	0.05	3	3.44	0.097
REP 540565	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540961	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 540961	QC																				
540979	Soil	0.93	8.30	6.20	49.5	695	2.5	1.5	737	0.20	<0.1	0.1	<0.2	<0.1	13.6	0.18	0.10	0.09	6	0.42	0.139
REP 540979	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540983	Soil	0.72	4.11	6.82	47.4	1461	2.1	0.8	1475	0.12	<0.1	<0.1	1.0	<0.1	15.4	0.12	0.10	0.07	3	0.41	0.146
REP 540983	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537450	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537450	QC																				
540486	Soil	1.64	5.78	2.85	24.9	270	5.2	0.9	71	0.24	<0.1	0.1	<0.2	<0.1	26.5	0.11	0.07	<0.02	5	0.24	0.089
REP 540486	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541706	Soil	9.71	21.25	1.85	45.2	69	11.2	1.5	166	0.20	<0.1	<0.1	<0.2	<0.1	31.9	0.31	0.05	<0.02	3	0.84	0.117
REP 541706	QC																				
541729	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541729	QC																				
541747	Soil	0.43	13.04	3.41	41.4	96	3.3	1.9	285	0.18	6.0	<0.1	<0.2	<0.1	36.4	0.22	0.10	0.05	3	0.51	0.180
REP 541747	QC	0.41	13.66	3.50	39.6	112	3.2	1.9	291	0.19	6.2	0.1	0.7	<0.1	36.9	0.23	0.09	0.04	3	0.52	0.188
541750	Soil	3.06	40.69	6.28	46.8	292	8.5	15.4	3138	0.61	3.7	0.2	4.6	<0.1	31.1	0.59	0.15	0.11	10	0.56	0.147
REP 541750	QC																				
537429	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537429	QC																				

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

SMI11000354.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
Pulp Duplicates																					
537963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537963	QC																				
537974	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537974	QC																				
537989	Soil	1.2	21.5	0.20	80.9	0.046	2	0.49	0.005	0.06	<0.1	0.8	0.06	0.08	187	0.3	0.04	2.2	0.65	<0.1	<0.02
REP 537989	QC	1.3	19.4	0.20	82.7	0.044	1	0.50	0.005	0.06	0.1	0.7	0.06	0.08	205	0.6	0.04	2.1	0.66	0.1	<0.02
540565	Soil	5.2	2.6	0.08	130.6	0.003	5	0.12	0.005	0.07	<0.1	0.4	0.03	0.18	220	0.3	<0.02	0.3	0.86	0.1	<0.02
REP 540565	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540961	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 540961	QC																				
540979	Soil	0.6	4.9	0.07	93.1	0.009	<1	0.11	0.005	0.13	<0.1	0.3	0.14	0.14	287	0.3	<0.02	0.6	0.35	0.2	<0.02
REP 540979	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540983	Soil	<0.5	2.8	0.06	90.9	0.007	2	0.10	0.006	0.13	<0.1	0.6	0.11	0.11	223	0.4	<0.02	0.3	0.40	<0.1	<0.02
REP 540983	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537450	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537450	QC																				
540486	Soil	1.1	7.1	0.08	88.8	0.012	<1	0.16	0.012	0.06	<0.1	0.3	0.03	0.10	192	0.5	<0.02	0.7	0.34	<0.1	<0.02
REP 540486	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541706	Soil	0.6	7.5	0.12	50.2	0.006	2	0.14	0.008	0.05	0.1	0.7	0.05	0.21	164	0.7	<0.02	0.4	0.52	<0.1	<0.02
REP 541706	QC																				
541729	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 541729	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
541747	Soil	0.8	4.2	0.08	136.1	0.006	1	0.22	0.013	0.12	<0.1	0.5	0.09	0.17	198	0.4	<0.02	0.4	0.67	<0.1	<0.02
REP 541747	QC	0.9	2.8	0.08	141.2	0.006	1	0.23	0.013	0.12	<0.1	0.5	0.09	0.16	285	0.2	<0.02	0.5	0.71	<0.1	<0.02
541750	Soil	2.5	8.5	0.14	231.2	0.007	4	0.57	0.007	0.09	<0.1	0.3	0.11	0.16	169	0.4	0.03	1.2	0.60	<0.1	<0.02
REP 541750	QC																				
537429	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537429	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 1 of 3 Part 3

QUALITY CONTROL REPORT

SMI11000354.1

Method	Analyte	Unit	MDL	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt	1F Mo	1F Cu	1F Pb	1F Zn	1F Ag	1F Ni	1F Co
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm
				0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2	0.1	0.1
Pulp Duplicates																							
537963	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.25	49.83	1.97	12.2	703	7.7	4.6
REP 537963	QC																1.29	51.53	1.99	12.3	710	8.1	4.6
537974	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.67	6.51	4.84	26.9	616	3.7	1.1
REP 537974	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
537989	Soil			0.26	14.3	0.2	<0.05	0.2	0.81	2.4	<0.02	2	<0.1	1.5	<10	<2	0.91	14.00	7.35	48.2	822	5.4	4.5
REP 537989	QC			0.26	13.7	0.2	<0.05	0.2	0.74	2.3	<0.02	<1	<0.1	1.5	<10	<2							
540565	Soil			0.03	6.1	0.2	<0.05	0.3	6.57	1.5	<0.02	2	0.2	0.1	<10	<2	2.40	111.2	2.87	8.5	1277	1.4	0.5
REP 540565	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
540961	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.78	26.03	4.16	20.4	837	8.1	4.3
REP 540961	QC																0.79	25.52	4.17	22.2	791	8.1	4.0
540979	Soil			0.08	11.5	0.2	<0.05	<0.1	0.35	1.1	<0.02	1	<0.1	0.1	<10	<2	0.90	8.01	5.90	47.4	693	2.6	1.4
REP 540979	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
540983	Soil			0.04	12.4	<0.1	<0.05	<0.1	0.16	0.8	<0.02	2	<0.1	0.1	<10	<2	0.69	5.54	7.19	49.2	1454	2.4	1.1
REP 540983	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
537450	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.85	11.43	4.04	13.8	315	5.2	4.0
REP 537450	QC																3.01	11.99	4.19	14.3	351	5.6	3.9
540486	Soil			0.35	4.4	0.1	<0.05	<0.1	0.32	2.0	<0.02	<1	<0.1	0.3	<10	<2	1.66	7.54	3.29	24.9	252	5.6	1.0
REP 540486	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
541706	Soil			0.08	5.4	<0.1	<0.05	0.4	0.38	1.1	<0.02	<1	<0.1	0.2	<10	<2	10.02	25.09	2.27	49.6	70	12.3	1.8
REP 541706	QC																9.93	26.31	2.29	47.5	68	12.6	1.8
541729	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.54	13.12	4.84	30.1	108	5.9	4.9
REP 541729	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
541747	Soil			0.13	9.3	<0.1	<0.05	0.4	0.62	1.5	<0.02	<1	<0.1	0.2	<10	2	0.50	14.64	3.99	41.2	136	3.9	2.0
REP 541747	QC			0.10	10.3	0.1	<0.05	0.4	0.68	1.6	<0.02	<1	<0.1	0.3	<10	<2							
541750	Soil			0.19	7.2	0.2	<0.05	<0.1	1.44	5.3	<0.02	<1	0.1	0.9	<10	<2	2.86	41.87	6.86	48.3	304	7.4	14.5
REP 541750	QC																2.84	45.99	7.19	51.3	312	8.1	16.7
537429	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.68	21.69	4.83	31.0	747	6.9	2.3
REP 537429	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 1 of 3 Part 4

QUALITY CONTROL REPORT

SMI11000354.1

Method	Analyte	Unit	MDL	1F Mn	1F Fe	1F As	1F U	1F Au	1F Th	1F Sr	1F Cd	1F Sb	1F Bi	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al
		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%
		1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
Pulp Duplicates																							
537963	Soil	38	0.63	0.3	0.2	5.8	<0.1	89.5	1.02	0.64	0.05	7	1.44	0.148	8.1	6.0	0.16	92.7	0.003	<20	0.68		
REP 537963	QC	38	0.63	0.2	0.2	5.6	<0.1	91.0	1.09	0.67	0.04	7	1.43	0.145	8.1	5.4	0.17	96.1	0.004	<20	0.67		
537974	Soil	380	0.12	1.5	<0.1	1.5	<0.1	10.2	0.15	0.07	0.04	6	0.18	0.090	0.6	7.5	0.06	50.7	0.008	<20	0.16		
REP 537974	QC																						
537989	Soil	691	1.20	0.7	<0.1	1.5	<0.1	29.8	0.25	0.17	0.12	33	0.42	0.093	1.5	18.1	0.25	97.0	0.051	<20	0.53		
REP 537989	QC																						
540565	Soil	604	0.12	<0.1	0.2	2.8	<0.1	186.1	0.81	0.14	0.04	3	3.28	0.102	5.0	2.3	0.08	133.5	0.002	<20	0.11		
REP 540565	QC																						
540961	Soil	148	0.72	0.4	0.3	3.2	<0.1	61.9	0.16	0.19	0.05	24	1.00	0.108	4.3	18.0	0.34	90.9	0.028	<20	0.51		
REP 540961	QC	146	0.72	0.2	0.3	2.2	<0.1	58.9	0.17	0.18	0.08	24	0.99	0.104	4.1	16.8	0.33	93.3	0.026	<20	0.51		
540979	Soil	753	0.21	1.0	0.1	<0.2	<0.1	15.1	0.17	0.11	0.14	5	0.38	0.149	<0.5	4.6	0.08	97.9	0.005	<20	0.12		
REP 540979	QC																						
540983	Soil	1534	0.17	0.8	<0.1	0.2	<0.1	18.4	0.12	0.13	0.08	3	0.43	0.149	<0.5	3.9	0.07	101.9	0.006	<20	0.11		
REP 540983	QC																						
537450	Soil	65	0.52	1.6	<0.1	3.7	<0.1	24.5	0.10	0.11	0.10	19	0.19	0.064	1.2	8.7	0.09	73.1	0.029	<20	0.22		
REP 537450	QC	68	0.47	1.9	<0.1	5.2	<0.1	26.6	0.12	0.13	0.09	18	0.21	0.069	1.2	9.1	0.09	76.7	0.030	<20	0.23		
540486	Soil	71	0.26	0.5	0.1	0.8	<0.1	27.8	0.17	0.10	0.31	6	0.23	0.087	1.1	7.4	0.09	97.4	0.012	<20	0.16		
REP 540486	QC																						
541706	Soil	169	0.22	0.8	<0.1	0.9	<0.1	38.5	0.34	0.10	0.09	4	0.86	0.124	0.7	9.8	0.14	55.3	0.007	<20	0.15		
REP 541706	QC	173	0.22	0.8	<0.1	0.3	<0.1	39.3	0.36	0.12	0.05	4	0.87	0.119	0.7	9.4	0.14	54.3	0.007	<20	0.15		
541729	Soil	1682	1.03	0.6	0.2	1.8	<0.1	27.9	0.09	0.12	0.06	28	0.36	0.095	1.8	18.2	0.22	180.0	0.019	<20	0.39		
REP 541729	QC																						
541747	Soil	307	0.17	1.2	0.1	1.4	<0.1	43.8	0.21	0.10	0.04	3	0.55	0.179	0.9	4.4	0.08	152.7	0.003	<20	0.22		
REP 541747	QC																						
541750	Soil	3138	0.49	2.1	0.1	1.3	<0.1	35.7	0.63	0.13	0.07	10	0.60	0.140	2.5	8.5	0.12	240.6	0.004	<20	0.53		
REP 541750	QC	3443	0.59	2.1	0.2	3.5	<0.1	37.0	0.66	0.13	0.08	12	0.61	0.126	2.7	7.8	0.13	253.5	0.004	<20	0.58		
537429	Soil	125	0.53	0.4	<0.1	<0.2	<0.1	19.8	0.16	0.09	0.06	13	0.24	0.062	1.3	12.1	0.16	94.9	0.007	<20	0.35		
REP 537429	QC																						



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 1 of 3 Part 5

QUALITY CONTROL REPORT

SMI11000354.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	
Unit	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	
Pulp Duplicates																					
537963	Soil	0.011	0.08	<0.1	0.4	0.06	0.22	193	0.6	<0.02	0.5	0.22	0.1	<0.02	0.10	3.9	0.1	<0.05	<0.1	9.26	15.5
REP 537963	QC	0.011	0.07	<0.1	0.5	0.05	0.22	224	0.4	<0.02	0.5	0.22	0.2	<0.02	0.11	4.2	0.1	<0.05	<0.1	9.56	15.4
537974	Soil	0.006	0.08	<0.1	0.2	0.04	0.09	160	0.2	<0.02	0.6	0.28	<0.1	<0.02	0.11	6.0	0.1	<0.05	<0.1	0.24	1.5
REP 537974	QC																				
537989	Soil	0.007	0.06	0.1	0.9	0.07	0.08	185	0.3	0.03	2.4	0.66	<0.1	<0.02	0.34	14.7	0.3	<0.05	0.2	1.06	3.2
REP 537989	QC																				
540565	Soil	0.005	0.08	<0.1	0.4	<0.02	0.18	171	0.3	0.02	0.2	0.74	<0.1	<0.02	0.03	5.3	<0.1	<0.05	0.1	6.38	1.7
REP 540565	QC																				
540961	Soil	0.007	0.07	0.7	0.7	0.02	0.11	150	0.4	<0.02	1.9	0.52	<0.1	<0.02	0.29	7.4	0.2	<0.05	<0.1	4.08	8.3
REP 540961	QC	0.007	0.07	0.1	0.6	0.02	0.11	135	0.5	<0.02	1.8	0.49	<0.1	<0.02	0.29	7.1	0.2	<0.05	0.1	3.95	8.2
540979	Soil	0.006	0.14	<0.1	0.2	0.13	0.14	219	0.2	<0.02	0.4	0.31	<0.1	<0.02	0.06	10.4	0.2	<0.05	<0.1	0.25	0.7
REP 540979	QC																				
540983	Soil	0.006	0.14	<0.1	0.3	0.11	0.11	246	0.2	<0.02	0.3	0.39	<0.1	<0.02	0.05	13.0	0.1	<0.05	<0.1	0.18	0.6
REP 540983	QC																				
537450	Soil	0.011	0.05	0.2	0.5	<0.02	0.09	96	0.2	<0.02	1.4	0.19	<0.1	<0.02	0.99	4.1	0.3	<0.05	0.3	0.44	2.0
REP 537450	QC	0.011	0.05	0.2	0.5	<0.02	0.09	89	0.2	0.02	1.4	0.20	<0.1	<0.02	1.09	4.5	0.3	<0.05	0.4	0.44	2.1
540486	Soil	0.011	0.06	<0.1	0.2	0.03	0.12	156	0.2	<0.02	0.7	0.36	<0.1	<0.02	0.36	4.3	0.2	<0.05	<0.1	0.29	2.3
REP 540486	QC																				
541706	Soil	0.007	0.05	0.2	0.6	0.04	0.21	163	0.5	<0.02	0.5	0.56	<0.1	<0.02	0.13	5.8	<0.1	<0.05	0.5	0.46	1.5
REP 541706	QC	0.007	0.05	0.2	0.4	0.04	0.21	146	0.5	0.03	0.4	0.55	<0.1	<0.02	0.13	6.2	<0.1	<0.05	0.6	0.47	1.6
541729	Soil	0.007	0.09	<0.1	0.3	0.16	0.09	138	0.2	0.03	1.9	0.61	<0.1	<0.02	0.24	7.2	0.2	<0.05	<0.1	0.78	3.7
REP 541729	QC																				
541747	Soil	0.014	0.12	<0.1	<0.1	0.11	0.16	236	0.6	<0.02	0.4	0.62	<0.1	<0.02	0.10	10.2	<0.1	<0.05	<0.1	0.67	1.7
REP 541747	QC																				
541750	Soil	0.008	0.09	<0.1	0.2	0.09	0.15	166	0.7	<0.02	1.1	0.39	<0.1	<0.02	0.16	5.4	0.1	<0.05	<0.1	1.42	5.2
REP 541750	QC	0.008	0.08	<0.1	0.2	0.11	0.15	171	0.5	0.04	1.2	0.44	<0.1	<0.02	0.15	5.9	0.2	<0.05	<0.1	1.57	5.5
537429	Soil	0.013	0.07	<0.1	0.2	0.02	0.09	107	0.6	<0.02	1.1	0.23	<0.1	<0.02	0.22	6.2	0.2	<0.05	<0.1	0.57	2.5
REP 537429	QC																				

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: Aug 12, 2011 Shipment

Report Date: September 28, 2011

Page: 1 of 3 Part 6

QUALITY CONTROL REPORT

SMI11000354.1

Method Analyte	Unit	1F	1F	1F	1F	1F	1F
		In	Re	Be	Li	Pd	Pt
MDL	MDL	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	1	0.1	0.1	10	2
Pulp Duplicates							
537963	Soil	<0.02	<1	0.4	0.5	<10	<2
REP 537963	QC	<0.02	<1	0.4	0.6	<10	<2
537974	Soil	<0.02	1	<0.1	0.4	<10	<2
REP 537974	QC						
537989	Soil	<0.02	<1	<0.1	1.6	<10	<2
REP 537989	QC						
540565	Soil	<0.02	<1	<0.1	0.3	<10	<2
REP 540565	QC						
540961	Soil	<0.02	<1	0.3	1.8	<10	<2
REP 540961	QC	<0.02	<1	0.2	1.9	<10	<2
540979	Soil	<0.02	<1	<0.1	0.3	<10	<2
REP 540979	QC						
540983	Soil	<0.02	<1	<0.1	0.4	<10	<2
REP 540983	QC						
537450	Soil	<0.02	<1	<0.1	0.5	<10	<2
REP 537450	QC	<0.02	<1	<0.1	0.5	<10	<2
540486	Soil	<0.02	<1	<0.1	0.4	<10	<2
REP 540486	QC						
541706	Soil	<0.02	<1	<0.1	0.3	<10	<2
REP 541706	QC	<0.02	<1	<0.1	0.3	<10	<2
541729	Soil	<0.02	<1	<0.1	1.5	<10	<2
REP 541729	QC						
541747	Soil	<0.02	2	0.2	0.1	<10	<2
REP 541747	QC						
541750	Soil	<0.02	1	0.1	0.8	<10	4
REP 541750	QC	<0.02	<1	0.2	0.8	<10	2
537429	Soil	<0.02	<1	<0.1	0.6	<10	<2
REP 537429	QC						



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

SMI11000354.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
537526	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537526	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537546	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537546	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540498	Soil	0.92	17.92	5.93	24.8	253	10.2	4.9	261	1.53	1.3	0.1	1.5	0.1	56.4	0.23	0.15	0.13	47	0.64	0.064
REP 540498	QC																				
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard	13.01	110.8	129.1	330.7	1892	41.1	8.2	661	2.61	30.0	2.7	124.0	6.5	57.2	2.54	5.23	6.94	43	0.71	0.084
STD DS8	Standard	12.47	109.5	113.2	302.8	1647	38.6	7.6	578	2.40	25.0	2.7	106.4	6.5	60.2	2.21	4.79	6.32	40	0.63	0.075
STD DS8	Standard	13.16	102.9	127.4	311.6	1864	36.3	7.0	616	2.39	26.7	2.9	115.8	7.0	67.3	2.33	5.73	6.91	41	0.72	0.085
STD DS8	Standard	11.74	104.1	113.4	290.8	1659	35.6	7.3	560	2.28	25.6	2.6	100.7	5.9	59.0	2.20	5.25	6.26	38	0.65	0.076
STD DS8	Standard	12.71	106.4	120.0	301.0	1760	36.6	7.1	603	2.46	27.2	2.7	109.3	6.6	58.0	2.15	5.25	5.80	41	0.70	0.078
STD DS8	Standard	12.40	98.92	119.9	300.1	1786	35.7	7.1	594	2.46	23.9	2.6	105.3	6.4	58.6	2.22	5.28	6.52	39	0.68	0.083
STD DS8	Standard	13.33	112.2	126.9	317.3	1823	39.8	7.5	626	2.51	26.7	2.9	135.6	7.0	58.9	2.46	5.14	6.22	43	0.72	0.078
STD DS8	Standard	14.15	103.3	124.6	302.4	1722	38.7	7.4	595	2.30	25.0	2.8	120.4	7.1	59.9	2.14	5.20	6.29	38	0.69	0.075
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

SMI11000354.1

		1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	1F15 Cs ppm	1F15 Ge ppm	1F15 Hf ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
537526	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537526	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
537546	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 537546	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
540498	Soil	2.8	20.1	0.33	147.3	0.067	1	0.98	0.010	0.05	0.4	1.3	0.03	0.06	111	0.2	0.05	4.6	0.55	<0.1	<0.02
REP 540498	QC																				
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard	12.9	127.5	0.64	253.1	0.100	2	1.02	0.119	0.46	2.8	2.1	5.85	0.17	215	5.8	4.74	4.8	2.66	<0.1	0.07
STD DS8	Standard	12.8	113.5	0.60	232.3	0.104	2	0.86	0.080	0.40	2.4	2.0	4.91	0.17	178	5.0	4.46	4.3	2.25	<0.1	0.07
STD DS8	Standard	15.4	119.8	0.61	286.8	0.106	3	0.92	0.094	0.42	3.1	2.2	5.65	0.15	194	5.2	5.12	4.9	2.55	<0.1	0.07
STD DS8	Standard	13.0	113.3	0.56	264.8	0.106	3	0.90	0.106	0.41	2.9	2.1	5.00	0.14	177	4.5	4.78	4.3	2.27	<0.1	0.07
STD DS8	Standard	14.1	118.3	0.60	256.7	0.109	3	0.89	0.089	0.41	2.9	2.0	5.25	0.16	198	4.9	4.55	4.6	2.37	0.2	0.06
STD DS8	Standard	13.5	119.5	0.59	255.8	0.102	2	0.98	0.114	0.43	2.9	2.3	5.35	0.16	207	4.6	4.62	4.3	2.33	0.1	0.08
STD DS8	Standard	14.6	126.2	0.62	265.3	0.116	2	0.90	0.086	0.41	3.2	2.2	5.52	0.17	208	5.2	5.14	4.4	2.54	0.1	0.12
STD DS8	Standard	16.1	114.0	0.59	254.7	0.111	3	0.86	0.083	0.39	3.2	2.2	5.46	0.16	182	5.1	5.19	4.7	2.51	<0.1	0.08
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

SMI11000354.1

		1F15 Nb ppm 0.02	1F15 Rb ppm 0.1	1F15 Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2	1F Mo ppm 0.01	1F Cu ppm 0.01	1F Pb ppm 0.01	1F Zn ppm 0.1	1F Ag ppb 2	1F Ni ppm 0.1	1F Co ppm 0.1
537526	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.99	12.36	4.71	36.0	671	10.8	7.0
REP 537526	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
537546	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.60	69.91	4.53	13.5	253	5.9	2.8
REP 537546	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.							
540498	Soil	1.44	11.1	0.4	<0.05	0.4	1.69	5.2	<0.02	<1	0.1	3.0	<10	<2	0.84	18.25	5.30	24.3	236	10.1	5.3
REP 540498	QC														0.87	17.88	5.27	23.2	223	9.8	5.1
Reference Materials																					
STD DS8	Standard														12.50	103.8	117.4	301.4	1656	38.2	7.5
STD DS8	Standard														13.76	119.3	128.6	324.9	2028	39.0	7.4
STD DS8	Standard	1.14	40.0	6.9	<0.05	1.7	5.15	24.8	2.28	55	5.6	29.3	109	388							
STD DS8	Standard	0.83	35.8	6.4	<0.05	1.8	4.92	22.3	2.04	50	4.6	24.5	89	319							
STD DS8	Standard	1.43	39.7	6.7	<0.05	1.9	6.12	29.9	2.30	60	5.3	30.3	121	368							
STD DS8	Standard	1.22	35.7	6.8	<0.05	1.7	5.10	24.2	2.06	55	5.3	25.8	96	340							
STD DS8	Standard	1.38	37.3	6.3	<0.05	1.6	5.67	25.9	2.11	49	5.2	27.2	105	322							
STD DS8	Standard	1.27	35.6	6.0	<0.05	1.5	5.28	25.9	1.95	61	4.9	29.1	125	346							
STD DS8	Standard	1.40	39.2	6.9	<0.05	2.2	5.79	27.8	2.26	57	5.8	26.9	117	356							
STD DS8	Standard	1.52	37.9	6.2	<0.05	2.0	6.27	28.8	2.13	52	5.1	25.3	119	348							
STD DS8	Standard														14.17	107.2	123.6	322.9	1704	38.8	8.0
STD DS8	Standard														13.82	112.1	130.5	321.5	2090	37.1	7.4
STD DS8	Standard														14.85	106.3	135.6	330.5	2086	37.0	6.9
STD DS8	Standard														14.45	120.3	121.7	313.6	1936	38.7	8.0
STD DS8	Standard														13.34	109.8	130.7	307.8	1840	38.8	7.6
STD OREAS45CA	Standard														0.68	504.4	20.24	61.6	290	253.9	86.3
STD OREAS45CA	Standard														0.73	510.8	21.17	63.0	262	245.3	88.6
STD OREAS45CA	Standard														0.90	516.8	19.75	62.7	269	255.5	89.7
STD OREAS45CA	Standard														0.93	529.0	21.03	64.5	274	265.7	93.9
STD OREAS45CA	Standard														0.97	523.9	22.61	62.6	280	252.0	90.4
STD OREAS45CA	Standard														0.80	564.9	20.43	71.7	267	285.9	89.8
STD OREAS45CA	Standard														0.60	533.6	20.40	61.9	266	269.3	86.4

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 3 Part 4

QUALITY CONTROL REPORT

SMI11000354.1

		1F Mn ppm	1F Fe %	1F As ppm	1F U ppm	1F Au ppb	1F Th ppm	1F Sr ppm	1F Cd ppm	1F Sb ppm	1F Bi ppm	1F V ppm	1F Ca %	1F P %	1F La ppm	1F Cr ppm	1F Mg %	1F Ba ppm	1F Ti %	1F B ppm	1F Al %
537526	Soil	201	0.47	1.5	0.1	0.7	<0.1	45.3	0.51	0.17	0.05	12	0.87	0.134	1.5	18.7	0.15	43.8	0.016	<20	0.35
REP 537526	QC																				
537546	Soil	707	0.31	1.7	0.2	0.6	<0.1	59.4	0.66	0.21	0.06	5	2.90	0.148	3.6	5.8	0.12	68.4	0.007	<20	0.56
REP 537546	QC																				
540498	Soil	254	1.40	1.1	0.1	1.5	<0.1	49.5	0.24	0.12	0.11	45	0.64	0.068	2.6	19.4	0.32	128.0	0.081	<20	0.92
REP 540498	QC	250	1.43	1.4	0.1	<0.2	<0.1	49.5	0.25	0.13	0.12	46	0.64	0.067	2.7	20.2	0.33	125.9	0.083	<20	0.92
Reference Materials																					
STD DS8	Standard	578	2.33	22.5	2.6	92.5	6.6	59.1	2.14	4.01	5.46	39	0.69	0.071	15.4	115.5	0.58	262.7	0.109	<20	0.88
STD DS8	Standard	596	2.52	25.6	2.8	103.9	7.4	69.4	2.38	3.32	6.96	42	0.73	0.074	17.1	122.6	0.62	288.3	0.121	<20	0.95
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard	612	2.55	26.1	2.5	110.7	6.7	63.7	2.47	4.74	6.40	43	0.75	0.085	15.8	118.2	0.62	275.5	0.121	<20	0.96
STD DS8	Standard	614	2.55	28.7	2.8	107.3	6.6	71.3	2.44	5.16	6.83	43	0.72	0.084	15.0	121.1	0.62	293.4	0.111	<20	0.92
STD DS8	Standard	609	2.50	26.2	2.9	156.6	6.9	71.9	2.31	4.82	6.70	42	0.73	0.076	17.3	128.0	0.61	307.6	0.110	<20	0.94
STD DS8	Standard	627	2.60	28.5	3.1	101.7	7.6	76.1	2.50	5.31	7.05	45	0.81	0.084	18.7	123.7	0.65	317.2	0.143	<20	1.03
STD DS8	Standard	627	2.49	27.0	3.0	105.3	6.5	75.7	2.43	4.99	6.55	42	0.76	0.082	17.5	118.8	0.63	301.0	0.119	<20	1.01
STD OREAS45CA	Standard	869	15.11	3.5	1.1	44.2	7.1	13.4	0.09	0.04	0.15	208	0.42	0.034	15.9	786.7	0.14	147.5	0.110	<20	3.75
STD OREAS45CA	Standard	868	14.72	4.7	1.2	39.0	7.3	14.9	0.09	0.07	0.18	194	0.40	0.036	16.5	682.3	0.15	151.1	0.158	<20	3.89
STD OREAS45CA	Standard	951	16.95	3.6	1.1	45.2	6.8	14.9	0.09	0.08	0.18	221	0.42	0.042	16.3	751.3	0.16	155.7	0.139	<20	3.89
STD OREAS45CA	Standard	986	17.09	4.8	1.3	43.7	7.6	17.0	0.08	0.14	0.16	224	0.42	0.042	17.4	757.6	0.17	171.5	0.155	<20	3.97
STD OREAS45CA	Standard	913	16.23	3.6	1.3	50.3	7.7	15.8	0.10	0.10	0.18	205	0.39	0.038	18.3	830.4	0.15	171.6	0.144	<20	3.84
STD OREAS45CA	Standard	908	15.84	4.2	1.2	42.7	7.0	17.5	0.10	0.08	0.19	222	0.41	0.040	17.6	705.7	0.18	175.4	0.179	<20	4.28
STD OREAS45CA	Standard	923	15.53	3.9	1.2	42.3	7.1	16.0	0.08	0.04	0.15	204	0.40	0.038	16.7	715.6	0.15	158.6	0.124	<20	4.11

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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 2 of 3 Part 5

QUALITY CONTROL REPORT

SMI11000354.1

		1F Na %	1F K %	1F W ppm	1F Sc ppm	1F Ti ppm	1F S %	1F Hg ppb	1F Se ppm	1F Te ppm	1F Ga ppm	1F Cs ppm	1F Ge ppm	1F Hf ppm	1F Nb ppm	1F Rb ppm	1F Sn ppm	1F Ta ppm	1F Zr ppm	1F Y ppm	1F Ce ppm
537526	Soil	0.018	0.13	<0.1	0.5	0.03	0.18	138	0.7	<0.02	1.1	0.63	<0.1	<0.02	0.69	14.6	0.2	<0.05	0.3	1.23	2.9
REP 537526	QC																				
537546	Soil	0.013	0.07	<0.1	0.4	0.05	0.26	153	3.8	0.03	0.9	0.40	<0.1	<0.02	0.21	4.6	0.1	<0.05	0.6	4.13	3.4
REP 537546	QC																				
540498	Soil	0.009	0.05	0.3	1.1	<0.02	0.06	87	0.2	0.06	4.4	0.50	<0.1	<0.02	1.23	10.3	0.4	<0.05	0.5	1.59	4.7
REP 540498	QC	0.009	0.05	0.3	1.1	<0.02	0.06	105	0.2	0.05	4.4	0.49	<0.1	<0.02	1.23	10.3	0.4	<0.05	0.5	1.59	4.7
Reference Materials																					
STD DS8	Standard	0.086	0.38	2.1	2.3	5.26	0.15	165	4.8	4.73	4.7	2.34	0.1	0.06	0.82	36.0	5.8	<0.05	1.5	5.83	26.8
STD DS8	Standard	0.097	0.42	2.2	2.3	5.55	0.16	189	5.4	4.81	4.8	2.46	<0.1	0.07	0.82	37.4	7.1	<0.05	1.7	5.69	29.9
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard	0.087	0.42	3.0	2.2	5.62	0.17	208	5.3	4.98	5.1	2.54	<0.1	0.06	1.08	38.2	6.8	<0.05	1.9	6.01	28.7
STD DS8	Standard	0.090	0.42	2.5	2.0	5.58	0.17	198	5.1	4.98	4.6	2.41	<0.1	0.05	0.94	38.1	7.0	<0.05	1.3	5.87	26.1
STD DS8	Standard	0.096	0.42	2.9	2.2	5.95	0.16	221	5.7	5.27	4.8	2.66	0.1	0.07	1.12	39.8	6.6	<0.05	1.7	6.53	32.1
STD DS8	Standard	0.114	0.45	2.4	2.8	5.42	0.17	192	5.6	5.22	5.1	2.59	0.1	0.09	1.38	40.3	7.6	<0.05	2.5	7.52	33.0
STD DS8	Standard	0.103	0.43	2.6	2.2	5.59	0.16	183	5.1	4.92	4.8	2.46	<0.1	0.04	1.10	37.7	6.8	<0.05	1.2	6.65	31.3
STD OREAS45CA	Standard	0.008	0.08	<0.1	39.3	0.13	<0.02	42	0.4	0.02	18.6	1.12	0.2	0.34	0.08	9.0	1.5	<0.05	14.1	7.77	35.0
STD OREAS45CA	Standard	0.013	0.08	<0.1	40.5	0.07	0.02	24	1.0	<0.02	18.7	1.17	0.1	0.46	0.10	9.1	2.0	<0.05	17.9	7.65	34.0
STD OREAS45CA	Standard	0.006	0.08	<0.1	37.8	0.08	<0.02	40	0.9	0.07	19.4	1.19	0.1	0.38	0.12	9.2	1.8	<0.05	16.3	7.87	34.3
STD OREAS45CA	Standard	0.015	0.07	<0.1	37.4	0.11	0.02	32	0.4	0.07	19.2	1.27	<0.1	0.46	0.13	9.5	2.0	<0.05	17.3	8.19	36.4
STD OREAS45CA	Standard	0.010	0.08	<0.1	37.6	0.14	0.03	42	0.6	0.07	19.9	1.43	<0.1	0.47	0.12	10.0	2.0	<0.05	19.1	8.54	40.2
STD OREAS45CA	Standard	0.008	0.09	<0.1	43.0	0.09	0.03	35	1.0	0.06	19.3	1.46	0.2	0.50	0.14	10.9	2.2	<0.05	21.4	8.71	37.0
STD OREAS45CA	Standard	0.006	0.08	<0.1	35.5	0.12	<0.02	27	0.7	0.03	18.7	1.19	<0.1	0.46	0.08	8.9	1.9	<0.05	17.2	7.97	34.2

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

Project: Aug 12, 2011 Shipment

Report Date: September 28, 2011

Page: 2 of 3 Part 6

QUALITY CONTROL REPORT

SMI11000354.1

		1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
537526	Soil	<0.02	<1	<0.1	1.1	<10	<2
REP 537526	QC						
537546	Soil	<0.02	<1	0.1	1.2	<10	<2
REP 537546	QC						
540498	Soil	<0.02	<1	0.1	2.8	<10	<2
REP 540498	QC	<0.02	<1	0.1	2.9	<10	<2
Reference Materials							
STD DS8	Standard	1.90	52	4.8	24.2	103	326
STD DS8	Standard	2.48	67	5.8	23.5	101	348
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard						
STD DS8	Standard	2.17	60	5.4	29.3	115	358
STD DS8	Standard	2.25	55	5.0	29.5	110	363
STD DS8	Standard	2.29	65	4.8	27.0	138	380
STD DS8	Standard	2.30	54	5.4	29.3	102	345
STD DS8	Standard	2.17	47	4.7	27.8	113	344
STD OREAS45CA	Standard	0.09	<1	0.6	7.4	30	64
STD OREAS45CA	Standard	0.09	<1	0.5	7.5	50	55
STD OREAS45CA	Standard	0.08	<1	0.9	8.4	53	62
STD OREAS45CA	Standard	0.11	<1	0.5	8.3	45	66
STD OREAS45CA	Standard	0.11	<1	0.7	8.7	24	72
STD OREAS45CA	Standard	0.10	<1	0.5	8.8	33	61
STD OREAS45CA	Standard	0.09	<1	0.5	8.3	38	65



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: Aug 12, 2011 Shipment

Report Date: September 28, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

SMI11000354.1

	1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
STD DS8 Expected	13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
STD OREAS45CA Expected																				
BLK Blank																				
BLK Blank																				
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

SMI11000354.1

	1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Ti ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	1F15 Cs ppm 0.02	1F15 Ge ppm 0.1	1F15 Hf ppm 0.02	
STD DS8 Expected	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08	
STD OREAS45CA Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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: Aug 12, 2011 Shipment

Report Date: September 28, 2011

Page: 3 of 3 Part 3

QUALITY CONTROL REPORT

SMI11000354.1

	1F15 Nb ppm 0.02	1F15 Rb ppm 0.1	1F15 Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2	1F Mo ppm 0.01	1F Cu ppm 0.01	1F Pb ppm 0.01	1F Zn ppm 0.1	1F Ag ppb 2	1F Ni ppm 0.1	1F Co ppm 0.1
STD DS8 Expected	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	13.44	110	123	312	1690	38.1	7.5
STD OREAS45CA Expected														1	494	20	60	275	240	92
BLK Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1
BLK Blank														<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1



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: Aug 12, 2011 Shipment
 Report Date: September 28, 2011

Page: 3 of 3 Part 4

QUALITY CONTROL REPORT

SMI11000354.1

	1F Mn ppm	1F Fe %	1F As ppm	1F U ppm	1F Au ppb	1F Th ppm	1F Sr ppm	1F Cd ppm	1F Sb ppm	1F Bi ppm	1F V ppm	1F Ca %	1F P %	1F La ppm	1F Cr ppm	1F Mg %	1F Ba ppm	1F Ti %	1F B ppm	1F Al %
	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01
STD DS8 Expected	615	2.46	26	2.8	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93
STD OREAS45CA Expected	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592
BLK Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01
BLK Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01
BLK Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01
BLK Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01
BLK Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01
BLK Blank	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01

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: Aug 12, 2011 Shipment

Report Date: September 28, 2011

Page: 3 of 3 Part 5

QUALITY CONTROL REPORT

SMI11000354.1

	1F Na	1F K	1F W	1F Sc	1F Ti	1F S	1F Hg	1F Se	1F Te	1F Ga	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce
	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1
STD DS8 Expected	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08	1.1	39	6.7	0.003	2.1	6.1	29.8
STD OREAS45CA Expected	0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4	1.03	0.11	0.5	0.22	8.2	1.8		21.6	7.84	35
BLK Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1
BLK Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1
BLK Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1
BLK Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	0.3
BLK Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	0.7
BLK Blank	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	0.3



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: Aug 12, 2011 Shipment

Report Date: September 28, 2011

Page: 3 of 3 Part 6

QUALITY CONTROL REPORT

SMI11000354.1

		1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
STD DS8 Expected		2.19	55	5.2	26.34	110	339
STD OREAS45CA Expected		0.09			6.2	36	61
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<1	<0.1	<0.1	<10	<2