



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: Geological, Geochemical and Prospecting Report – Rugged Mt. Shake and Shake West**

**TOTAL COST: \$3,750**

AUTHOR(S): Alan Raven

SIGNATURE(S):

A handwritten signature in black ink, appearing to read "Alan Raven".

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5152333

YEAR OF WORK: 2011

PROPERTY NAME: Rugged Mt. Shake

CLAIM NAME(S) (on which work was done): Rugged Mt Shake (tenure # 840670)

COMMODITIES SOUGHT: copper, gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104G 150, 104G 155

MINING DIVISION: Liard

NTS / BCGS: NTS 104 G/13E

LATITUDE: 57° 49"

LONGITUDE: 132° 02' (at centre of work)

UTM Zone: 9 EASTING: 345500 NORTHING: 6410500

OWNER(S): P. A. Walker

MAILING ADDRESS:

15781 Quick Road West, Telkwa, BC, V0J 2X2

OPERATOR(S) [who paid for the work]: Serengeti Resources Inc

MAILING ADDRESS:

Suite 1700 – 750 West Pender St, Vancouver, BC, V6C 2T8

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)

Copper, gold, silver, malachite, pyrite, vein, disseminated, porphyry, Stuhini, syenite, volcanic, sedimentary, syenite dykes, hornfelsed sedimentary, Stikine, Taku plateau, Early Jurassic.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

AR #s – 253, 1893, 20154 and 20414

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)		ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area): Mapping: 1.5 by 2 km	1:10000	1:20000	840670	\$1,475
Photo interpretation				
GEOPHYSICAL (line-kilometres)				
Ground				
Magnetic				
Electromagnetic				
Induced Polarization				
Radiometric				
Seismic				
Other				
Airborne				
GEOCHEMICAL (number of samples analysed for ...)				
Soil				
Silt	38	elements	840670	
Rock: 22				
Other				
DRILLING (total metres, number of holes, size, storage location)				
Core				
Non-core				
RELATED TECHNICAL				\$550
Sampling / Assaying				
Petrographic				
Mineralographic				
Metallurgic	1.5	1:10,000	1:20,000	840670
PROSPECTING (scale/area):	by 2			\$1,300
km				
PREPATORY / PHYSICAL				
Line/grid (km)				
Topo/Photogrammetric (scale, area)				
Legal Surveys (scale, area)				
Road, local access (km)/trail				
Trench (number/metres)				
Underground development (metres)				
Other				
			<b>TOTAL COST</b>	<b>\$3,325</b>

BC Geological Survey  
Assessment Report  
33249

## Geological, Geochemical and Prospecting Report

Rugged Mt. Shake (840670) and Shake West (840677)

Mining Division - Liard

NTS – 104 G/13E

Lat/Long – 57° 49' N, 132° 2' W

Owner - P. Walker

15781 Quick Road West  
Telkwa, BC V0J 2X2

Operator – Serengeti Resources

Suite 1700 – 750 West Pender St,  
Vancouver, BC V6C 2T8

Author – A. Raven

Date – February 14, 2012

## Table of contents

Summary	3
Conclusions	3
Recommendations	3
Introduction	4
Location and access	4
Topography, vegetation and climate	4
Exploration history	4
Claim status	7
Geology	
Regional geology	7
Property geology	7
Geochemistry	
Rock samples	12
Statement of costs	13
Bibliography	14
Statement of Qualifications – A. Raven	15
Figures	
Figure 1 – Location Map	5
Figure 2 – Claim Map	6
Figure 3 – Regional Geology	8
Figure 4 – Property Geology and sample location and ID numbers	9
Figure 5 – Copper in rocks with anomalous values at 1:10,000	10
Figure 6 – Copper with selected gold values at 1:10,000	11
Appendix A – Rock sample descriptions and analytical results (Serengeti)	
Appendix B – Analytical certificates and methodology (Acme Labs)	

## **Summary**

The objective of this survey was to determine if economic copper mineralization was evident and could be located in the area of the syenite intrusive into the overlying package of volcanoclastic/sedimentary rocks within the boundaries of the Walker claims (840670 and 840677).

A Serengeti Resources Inc field team, two geologist and three assistants, carried out a one day sampling and geological mapping reconnaissance program on the Walker claims during the exploration program on their adjoining claims. A total of 22 rock samples were collected from the Walker claims during the mapping, prospecting traverses. This reconnaissance traverse was carried out on July 25, 2011 from the Serengeti fly camp.

Serengeti's crew located low grade copper mineralization and anomalous gold values in some of the rock samples collected from the Walker claims. These anomalous samples were located within the structurally deformed syenites.

Rock samples of interest range from 1015 ppm to 2845 ppm copper with two samples weakly anomalous in gold – 76 and 107 ppb – and two samples weakly anomalous in silver – 2.6 and 3.3 ppm. See appendix A – Rock sample descriptions - for details.

## **Conclusions**

On the portion of the Rugged Mt Shake examined by the Serengeti crew, they did not locate any copper mineralization of economic interest. The syenites are locally mineralized with copper along what appear to be structural zones, generally 1 to 3 metres in width. Further prospecting may be warranted in the southern portion of tenure 840670 and the western portion of tenure 840677 as these were not visited by the crew. There is potential to discover new mineral occurrences in these unvisited areas.

## **Recommendations**

Further prospecting in the southern portion of tenure 840670 and the western portion of tenure 840677 as these were not visited by the crew to locate any new mineralization of interest (Serengeti). Research has shown that the mineralization of interest, primarily copper, is structurally controlled therefore the use of remote sensing (air photography) to delineate structure before further prospecting is carried may be useful.

## **Introduction**

The Rugged Mt Shake (840670) and Shake West (840677) claims, located in northwestern BC, cover a gossan in the Stuhini Group volcanic and sediments associated with syenite intrusions. The project area was prospected extensively in the past for gold vein and porphyry mineralization. This program was to prospect, map and locate any mineralization of interest be it gold or copper in an area within close proximity to the base camp. The areas targeted are within the contact areas of various syenite dykes into the volcanic/sedimentary rocks. A Serengeti Resources Inc field team, two geologist and three assistants, carried out a one day sampling and geological mapping reconnaissance program on the Walker claims during their exploration program on their adjoining claims. A total of 22 rock samples were collected during the mapping, prospecting traverses and sent for analysis to Acme Laboratories located in Vancouver BC.

## **Location and access**

The Rugged Mt Shake (840670) and Shake West (840677) claims are located approximately 28 kilometres southwest of Telegraph Creek on Rugged Mountain, in northwestern BC (see figure 1). Access to the property was by helicopter from Telegraph Creek to a fly camp located on Rugged Mountain

## **Topography, vegetation and climate**

The claims are located on Rugged Mountain and topography is very steep and rugged, ranging from 635 metres to 1823 metres. The majority of the claims is above tree-line and is outcrop, talus or alpine vegetation. The lower elevations are covered with a dense growth of slide alder, bracken and devil's club. On the north slope of Rugged Mountain there are minor patches of permanent snow.

The property is in the Coast Mountain rain shadow and has a mild, relatively dry climate. Exploration can be carried out from May to October.


## **Exploration history**

Considerable detailed prospecting was carried out in the Rugged Mount Shake claim area beginning in the 1860's when placer gold was discovered in the Stikine River between Telegraph Creek and Glenora. At that time roads were built up the Chutine and Barrington Rivers to support the large placer operations. An assumption is made that the large gossan visible on Rugged Mountain would have been examined by the prospectors of the era. Additional prospecting was carried out in the 1890's, 1920's, 1930's and 1940's. Porphyry copper exploration in the 1950's and 1960's led to a number of claims being staked in the area. No written records of this work are available.



# Rugged Mt. Shake. Location Map




Map Center: 54.4781N 124.7082W

 **Rugged Mt. Shake. Location**

**Topographic Layers**

-  **Lakes 1:6M**
-  **Rivers 1:6M**

**BC Border Layers**

-  **BC Border 1:6M**

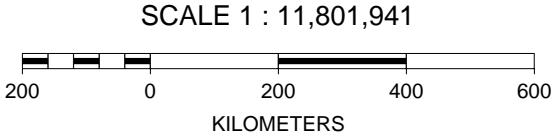


Figure 1 - Location map

# Rugged Mt. Shake. Claim Map

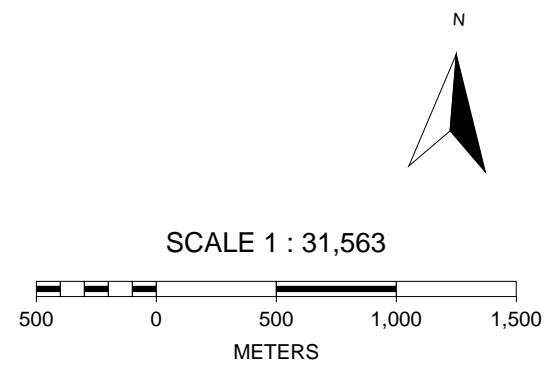
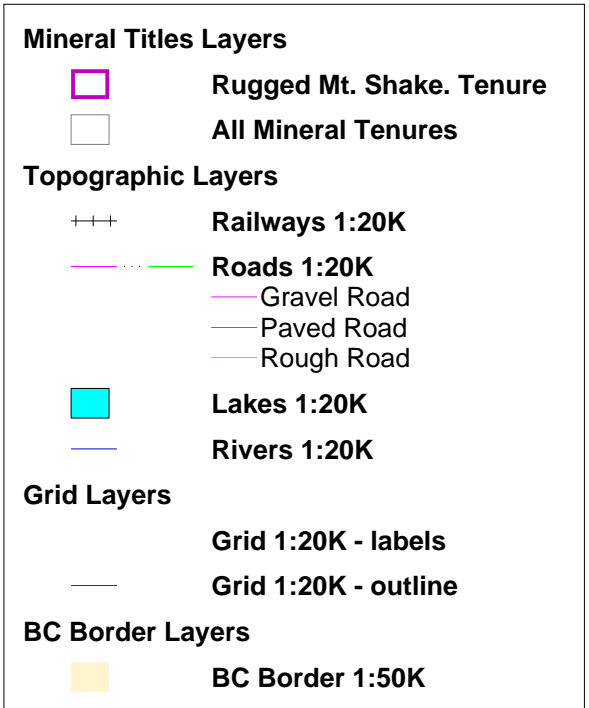
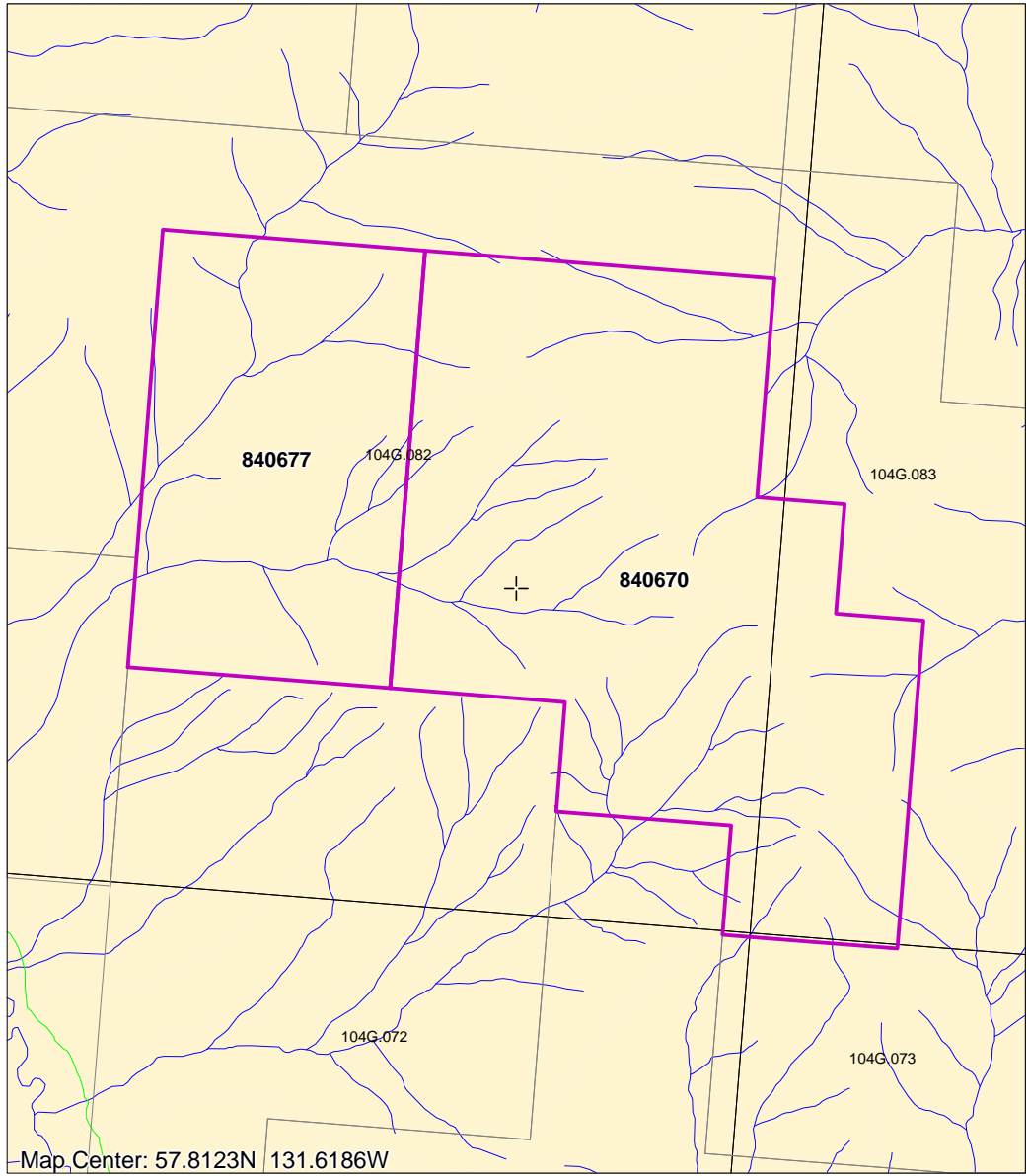


Figure 2 - Claim map



The present claims were staked by P. Walker in December of 2010 and an agreement was reached with Serengeti Resources to carry out a property examination while their crew was working in the area. A letter agreement was signed between Walker and Serengeti regarding this work where Serengeti would carry out the exploration work and supply Walker with the details of the work which they did less the proportionate allocation of the mobilization/de-mobilization cost of the crew. Within the letter agreement Serengeti agreed to file the assessment work which they did not do thus Walker has hired me to write this report.

Serengeti carried out a program of geological mapping and rock sampling using a five man crew on the Walker claims. Low grade copper mineralization and anomalous gold values were obtained from some of the rock samples.

### **Claim status**

Tenure #	Claim Name	Record date	Good to date*	Area (ha)
840670	Rugged Mt Shake	2010/Dec/12	2013/Dec/12	431.0
840677	Shake West	2010/Dec/12	2013/Dec/12	206.9

\*- assuming acceptance of this report.

### **Geology**

#### **Regional geology**

The Rugged Mt Shake project area is on the eastern flank of the main belt of the Coast Plutonic Complex and on the western margin of the Intermontane Belt within the Stikine Arch. The Stikine Arch consists of Permian to Middle Triassic oceanic sediments unconformably overlain by rocks equivalent to Upper Triassic Stuhini Group island arc volcanic and sediments. These volcanics and sediments have been intruded by syenitic stocks and by quartz diorite and granodiorite plutons of the Coast Complex, these being of post Lower Triassic age (Souther, 1971)

#### **Property geology**

The Rugged Mt Shake area is underlain by volcanic and sedimentary rocks of the Upper Triassic Stuhini Group. These rocks have been intruded by a differentiated syenite intrusive with the centre of this intrusive located on the southern flank of Rugged Mountain.

Volcanic members of the Stuhini Group consist of dark green, mafic volcanoclastics and minor augite porphyry flows. Overlying the volcanic rocks is a mixed sedimentary package of laminated siltstone,

# Regional Geology

## Rugged Mt. Shake Project Area

### Mineral Inventory Layers

- MINFILE status**
- Producer
  - Past Producer
  - Developed Prospect
  - Prospect
  - Showing
  - All Others

### MTO Mineral Titles Layers

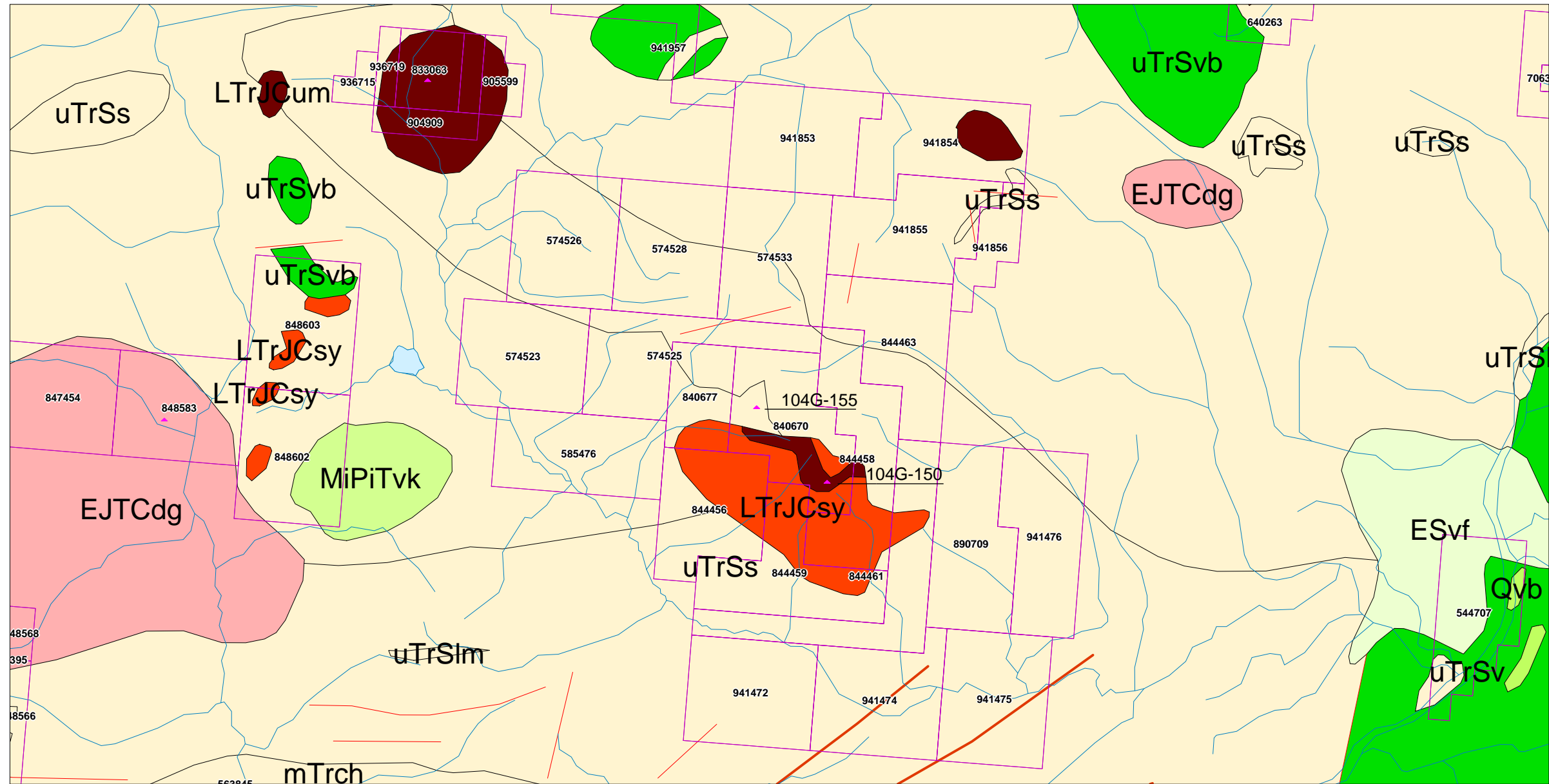
- MTO Mineral Titles Online Labels <200K**
- Coal
  - Placer
  - Mineral
  - Other
- MTO Mineral Claim Outlines**
- Mineral

### Topographic Layers

- Lakes 1:250K (<2M)
- Rivers 1:250K (<2M)

### BCGS Geology Layers 2005

- Contacts & Faults (<1.5M)**
- Contact
  - Extension Fault
  - Fault
  - Normal Fault
  - Thrust



SCALE 1 : 85,525

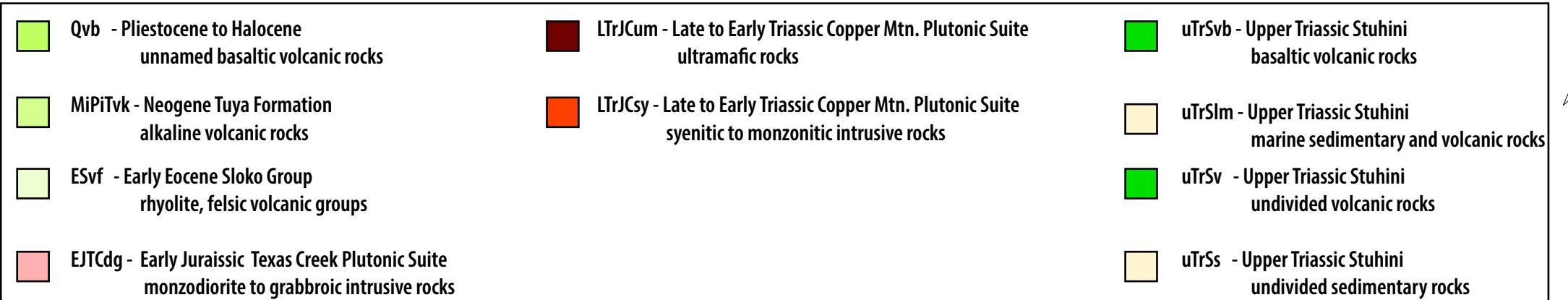
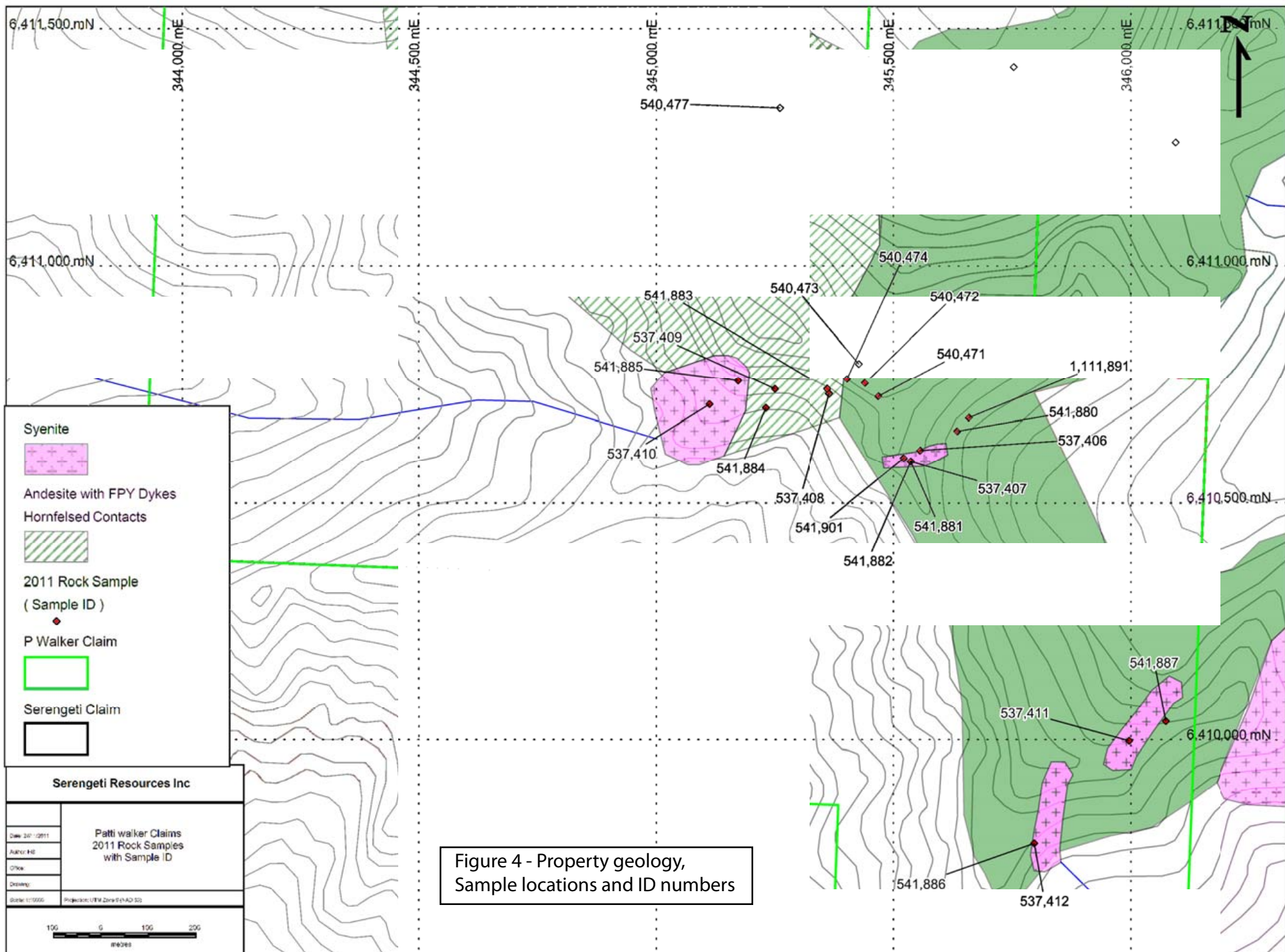
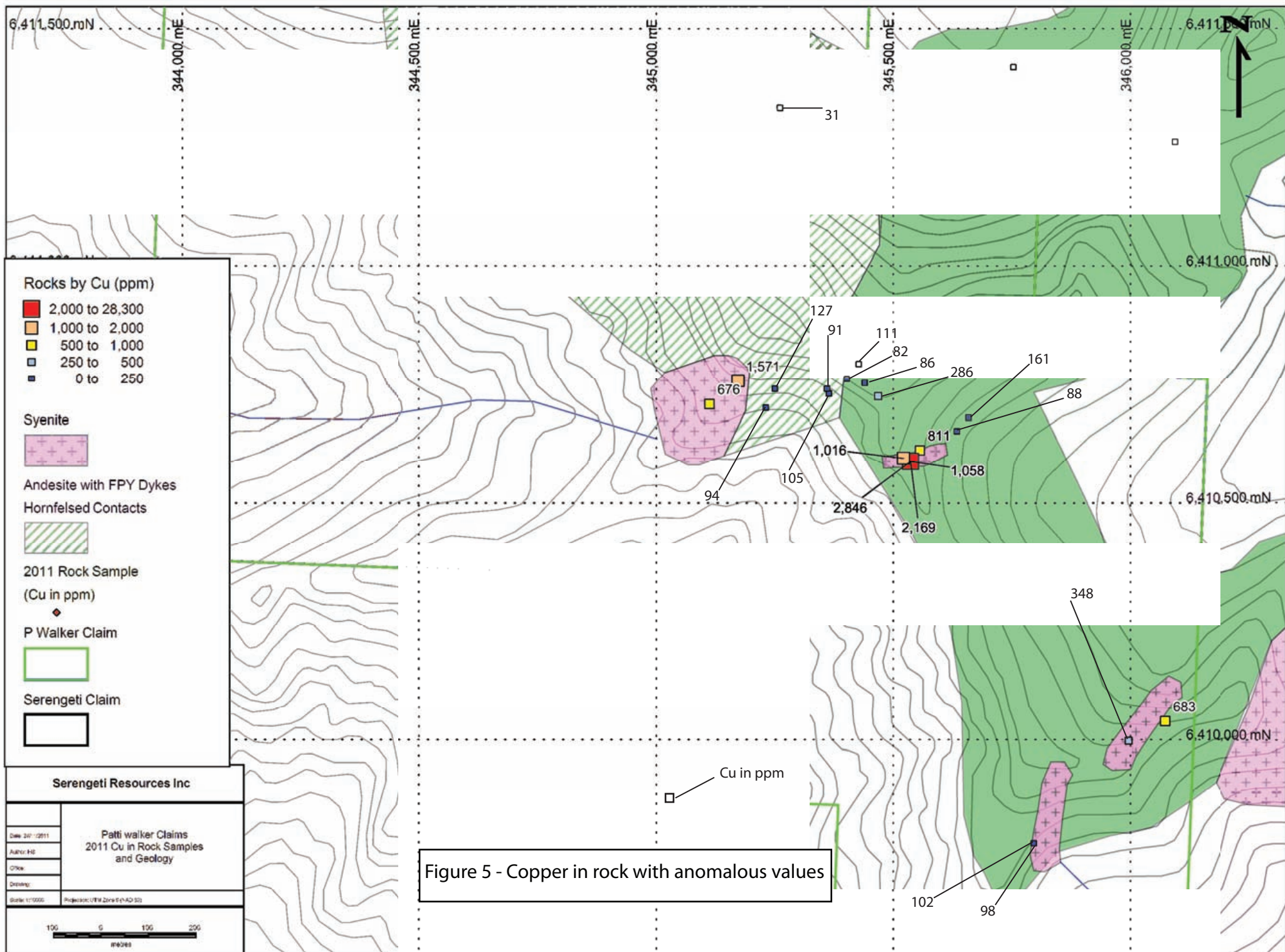
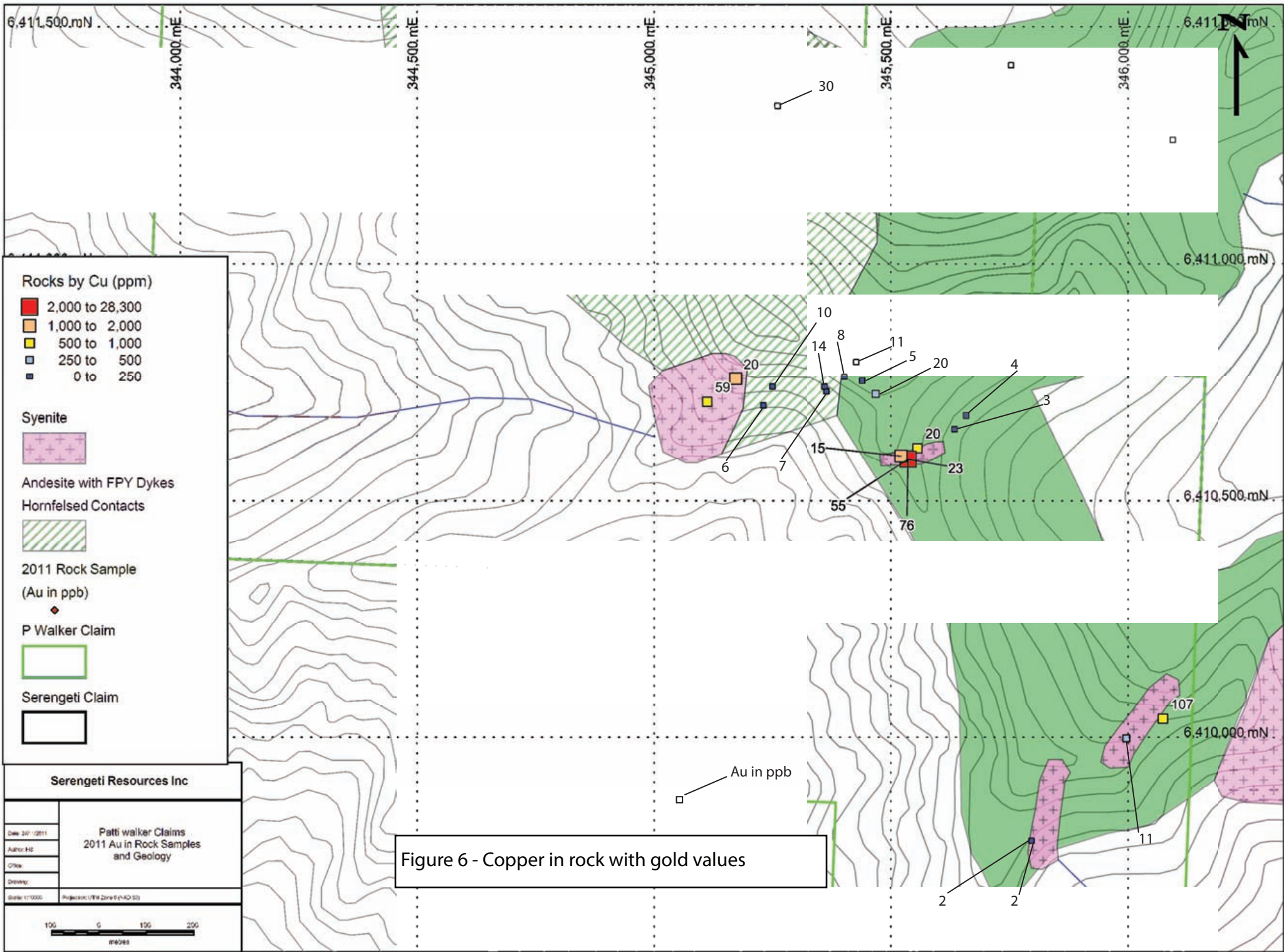


Figure 3 - Regional Geology







greywacke, argillite and thin discontinuous limestone horizons. This package contains 1 to 5% diagenetic pyrite and is largely un-deformed with bedding striking east-west with moderate northerly dips.

## **Serengeti notes on property geology**

“The geological reconnaissance yielded the following observations (see geological map for reference): the dominant lithologies occurring on the property are tuffs and flows of the andesitic volcanic, presumed to be part of the upper Triassic aged Stuhini Group. The andesites are unaltered and contain no economic mineralization. In the vicinity of Rugged Mtn, the andesites are intruded by several fresh feldspar porphyry dykes. The contacts between the dykes and the country andesites are weakly hornfelsed and pyritic. While the hornfelsing creates small gossans at the dyke contact zones, no mineralization was observed either in hand sample or in the assays of the hornfelsed material. In addition, several syenite bodies (lower Jurassic aged?) locally intrude the andesite country rock. The syenites are locally copper mineralized along what appear to be structural zones, generally 1 to 3 metre in width. The surrounding syenite is fresh and unmineralized.”

## **Rock Samples**

A total of 22 rock samples were collected by the Serengeti crew while completing a general geological reconnaissance of the Walker claims (see appendix A) for rock sample descriptions and for a map (figure 4) indicating the location of the samples. Analytical certificates are in appendix B.

Anomalous rock samples:

#537407 – 1058 ppm Cu, 537410 – 3.3 ppm Ag, #541881 – 2845 ppm Cu,  
#541882 – 2168 ppm Cu, 76 ppb Au, #541885 – 1570 ppm Cu,  
#541887 – 103 ppm Mo, 2.6 ppm Ag, 107 ppb Au  
#6410039 – 1015 ppm Cu

The rock samples collected in the field were placed in plastic sample bags with an identifying “assay” tag, transported to the field camp and from there shipped to Acme Analytical Laboratories of Vancouver where they were analyzed using the Acme 1DX3 analytical package. A permanent field marker was left at the sample site for relocation of the site if necessary; field notes were taken including the UTM location using handheld GPS units set to the NAD 83 data base and the descriptions of the rocks sampled were recorded in field notes. See appendix A for descriptions and analytical results.

## Statement of costs

### Serengeti costs

July 2011 work program – Walker claims one day with 5 man field crew July 25, 2011

### Serengeti staff

Senior geologist	1 day at \$425/day	425.00
Junior geologist	1 day at \$300/day	300.00
Field assistants (3)	3 man/days at \$250/man/day	750.00
Camp costs – fly camp	5 man/days at \$40/man/day	200.00
Analytical costs	22 samples at \$25/sample (Acme lab)	550.00
Report – Serengeti notes and maps only -	1 day at \$425	425.00
Total as supplied by Serengeti to Walker		2,650.00
Helicopter support to mob/demob the fly camp from Telegraph Creek		
Estimated at 1/6 of total		600.00
Mobilization/demobilization of Serengeti crew to Telegraph Creek		
Estimated at 1/6 of total		500.00
Report by A. Raven	3 days at \$300/day	900.00
<b>Grand total</b>		<b>\$3,750.00</b>

## Bibliography

- Allen, D.G., A. Panteleyev and A.T. Armstrong (1976): Galore Creek in CIM Special Volume 15 pp 402-414
- BCDM (1963 to 66) – Annual Reports; BC Department of Mines
- Brown, D.A. and Greig, C.J. (1990) – Geology of the Stikine River-Yehiniko Lake Area, Northwestern BC (104G/11W and 12E): British Columbia MEMPR, Geological Fieldwork 1989, Paper 1990-1, pp 141-151
- Dawson, G.J. (1988): Barrington River Prospecting Report.
- Geological Survey of Canada (1988): RGS, Sumdum – Telegraph Creek, BC – GSC Open File 1646.
- Hachey, P.O. (1958) Geology Report, Conwest-Balsam Group Assessment report #253
- Marud, Darcy (1990): Report of the Activities on the Rugged Mountain Property (Canyon 25) Assessment Report 20154
- Roberts, W.J. and C.L. Smith (1968) – Assessment report #1893
- Souther, J.G. (1959): Chutine Map Area, Cassiar District, BC; GSC preliminary Map 7-1959
- Souther, J.G. (1971): Telegraph Creek Map Area, BC; GSC Paper 71-44
- St. Clair Dunn, David (1990): Shake Project – report on the Geological and Geochemical Programs on the Shake 1 – 4 Claims, Liard MD; Assessment Report# 20414



## Statement of Qualifications

### **ALAN R. RAVEN**

I have been directly involved in the mineral exploration industry as a prospector and exploration field manager since 1969.

Between 1972 and 2011 I have taken a variety of prospector's courses and exploration short courses.

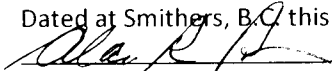
My field exploration experience includes geochemical and geophysical surveying, diamond drilling, prospecting, mapping, crew training and exploration program design, implementation and management in British Columbia and the Western United States (Washington, California, Nevada, Arizona and Utah)

I do not hold any interest in Tenure #840670 or 840677 – Rugged Mt Shake and Shake West referred to in this report.

I authored this report using data supplied by Serengeti Resources Inc, P. Walker and my own research

This Assessment Report is an accurate account of the 2011 exploration program as carried out by Serengeti crew in July of 2011.

Dated at Smithers, B.C. this 17 of February, 2012



Alan R. Raven

Box 722, Smithers, BC V0J 2N0

Phone: 250-847-2560

Email: hirange@telus.net

## **Appendix A**

Rock sample descriptions and analytical results

Property	Sample #	Zone	Easting (NAD83)	Northing (NAD83)	Elevation	Date	Lithology	Sampler	Notes	Type of Sample (Outcrop, subcrop, float, talus)	Width	ACME Job #	Sample#	Wgt (KG)	Mo (ppm)	Cu (ppm)
Stikine	537406	9	345556	6410611		25/07/2011	mafic syenite	DP	mafic syenite w potassic veining and tr mal/cpy. 1m chip	outcrop	1m	SMI11000338	537406	0.85	0.9	811.3
Stikine	537407	9	345536	6410588		25/07/2011	mafic syenite	DP	10m chip in mafic phase of sy w tr-1% mal and k-spar veining	outcrop	10m	SMI11000338	537407	1.39	1.4	1058.2
Stikine	537408	9	345364	6410730		25/07/2011	tuff	DP	10m chip in pyriticn tyff with mod sil and lim	outcrop	10m	SMI11000338	537408	1.00	3.2	104.5
Stikine	537409	9	345249	6410740		25/07/2011	hornfels	DP	10m chip in pyritic/lim stained hornfels	outcrop	10m	SMI11000338	537409	0.76	9.6	126.6
Stikine	537410	9	345112	6410708		25/07/2011	syenite	DP	2m chip across arg/lim/py structure (95) in syenite	outcrop	2m	SMI11000338	537410	0.49	31.2	676.3
Stikine	537411	9	345996	6409997		25/07/2011	ultramafic	DP	med grained ultramafic w mal on fractures and tr disscpy along syenite veinlets. 20m comnp grab along riudge	outcrop	20m	SMI11000338	537411	0.66	0.5	348.3
Stikine	537412	9	345796	6409782		25/07/2011	syenite	DP	follow up of homestake (31019) no evidence of anything repeatable. No visible sulfides/mal. Comp grab. Not altered	outcrop		SMI11000338	537412	0.62	0.3	98.1
Stikine	540471	9	345468	6410724	1763 m	26/07/2011	and	HS	composite grab over 5 m OC of strongly limonite stained and weathered volcanic. Sulfides weathered out. Looks like zone is 15-25 m, strikes over ~500 m @ 270 deg.	outcrop		SMI11000338	540471	1.33	49.0	286.2
Stikine	540472	9	345440	6410752	1762 m	26/07/2011	pyrox-syenite	HS	pyroxenite-phyric syenite. Trace to 2% py. Comp grab 5 m.	outcrop		SMI11000338	540472	1.16	1.3	86.0
Stikine	540473	9	345427	6410793	1767 m	26/07/2011	and	HS	comp grab over 5 m of strongly gossaneous py+/-sil altd volcanics. The gossans are samller, but sporadically cover the peak.	outcrop		SMI11000338	540473	1.45	14.8	110.5
Stikine	540474	9	345402	6410761	1731 m	26/07/2011	and	HS	comp grab over 5 m of strongly gossaneous py+/-sil altd volcanics. The gossans are samller, but sporadically cover the peak.	outcrop		SMI11000338	540474	1.32	13.8	82.2
Stikine	540477	9	345260	6411333	1515 m	26/07/2011	fpv	HS	comp grab of k-felds porph dyke which is the likely cause of extensive hornfels on cliff.	talus		SMI11000338	540477	1.04	3.0	31.1
Stikine	541880	9	345634	6410651		25/07/2011	andesite	DP	2m chip across tr py and minor lim stained andesite oc	outcrop	2m	SMI11000338	541880	0.68	7.0	87.6
Stikine	541881	9	345536	6410588		25/07/2011	mafic syenite	DP	10m chip in mafic phase of sy w tr-1% mal and k-spar veining	outcrop	10m	SMI11000338	541881	0.92	0.2	2845.5
Stikine	541882	9	345536	6410588		25/07/2011	mafic syenite	DP	10m chip in mafic phase of sy w tr-1% mal and k-spar veining	outcrop	10m	SMI11000338	541882	0.93	0.3	2168.6
Stikine	541883	9	345361	6410740		25/07/2011	granodi	DP	10m chip in hornblende granodiorite w tr cpy and 1% py.	outcrop	10m	SMI11000338	541883	0.68	1.7	90.5
Stikine	541884	9	345230	6410700		25/07/2011	hornfels	DP	10m chip in pyritic/lim stained hornfels	outcrop	10m	SMI11000338	541884	0.86	5.0	93.5
Stikine	541885	9	345172	6410757		25/07/2011	mafic syenite	DP	mafic intrusive w e-w structure (2m) running through it. 5m wide chip including wall rock. Tr mal	outcrop	5m	SMI11000338	541885	1.36	2.9	1570.7
Stikine	541886	9	345796	6409782		25/07/2011	syenite	DP	follow up of homestake (31019) no evidence of anything repeatable. No visible sulfides/mal. Comp grab. Not altered	outcrop		SMI11000338	541886	0.64	0.1	102.4

Stikine	541887	9	346073	6410039		25/07/2011	syenite	DP	comp grab (10m) in syenetic structure within hornfeld. Minor cpy/lim	outcrop	10m	SMI11000338	541887	0.81	103.7	683.4
Stikine	541901	9	345521	6410594		25/07/2011	syenite	DP	3m chip across heavily arg altered structure in syenite (100). 1% mal and alt does not extend into wall rock but there is tr cpy in wallrock as well	outcrop	3m	SMI11000338	541901	0.80	3.2	1015.6
Stikine	1111891	9	345659	6410679		25/07/2011	andesite	DP	2m chip across 1% py and strongly limonite stained andesite o/c	outcrop	2m	SMI11000338	1111891	0.59	1.8	161.0

Pb (ppm)	Zn (ppm)	Ag (ppm)	Ni (ppm)	Co (ppm)	Mn (ppm)	Fe (%)	As (ppm)	Au (ppb)	Th (ppm)	Sr (ppm)	Cd (ppm)	Sb (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)	Mg	Ba (ppm)	Ti (%)
6.3	33	0.4	21.3	15.0	398	3.69	0.7	19.7	1.3	105	0.1	<0.1	0.1	157	2.98	0.214	7	37	0.62	26	0.112
3.0	51	0.7	30.9	21.4	554	5.40	1.4	23.4	1.5	152	0.2	<0.1	<0.1	247	3.06	0.469	15	42	1.06	72	0.107
14.0	35	<0.1	15.6	15.6	739	4.03	5.3	6.6	1.9	137	0.1	0.4	<0.1	137	4.03	0.128	9	30	0.98	24	0.147
3.4	32	<0.1	27.2	16.7	706	4.48	9.0	9.5	1.0	55	<0.1	0.5	0.3	114	3.64	0.111	6	34	1.24	14	0.175
20.2	39	3.3	15.5	25.2	148	11.37	8.1	58.6	1.8	61	0.2	0.4	<0.1	134	0.43	0.171	7	30	0.16	54	0.353
3.0	72	0.2	15.8	23.4	776	6.02	1.7	10.8	2.1	232	0.2	<0.1	<0.1	326	2.86	0.336	15	46	1.27	127	0.142
8.5	74	<0.1	1.6	8.9	1015	2.79	1.2	2.3	3.0	282	0.2	0.2	<0.1	131	2.93	0.074	13	3	0.49	48	0.153
35.0	56	0.8	6.6	9.3	482	4.81	9.8	20.0	5.4	80	0.4	0.6	0.2	124	1.76	0.099	14	18	0.76	81	0.096
11.4	60	<0.1	10.4	15.8	958	3.91	3.8	5.2	4.1	90	<0.1	0.2	<0.1	148	3.67	0.116	11	23	1.32	31	0.176
9.7	82	0.2	27.6	15.5	493	4.49	17.3	10.6	0.8	167	0.9	0.9	0.1	117	4.90	0.112	6	38	0.91	14	0.182
19.6	79	0.1	29.0	18.5	721	3.41	7.5	7.5	1.1	137	0.5	0.4	0.1	120	4.31	0.123	6	35	0.88	53	0.146
13.0	27	0.2	0.6	2.4	247	1.24	6.3	29.3	1.9	70	0.2	0.2	0.3	36	1.54	0.013	6	3	0.15	40	0.012
15.4	61	0.1	23.8	16.3	687	3.64	4.4	2.5	1.3	84	0.4	0.2	0.6	108	5.09	0.120	12	27	0.63	15	0.134
4.7	61	1.3	24.9	24.2	583	6.31	1.0	55.4	1.5	152	0.4	0.1	0.1	301	2.62	0.414	14	58	1.14	34	0.095
12.8	69	1.6	29.1	27.6	647	6.67	1.2	76.3	1.7	172	0.4	<0.1	0.3	313	2.73	0.438	15	46	1.24	52	0.097
8.4	35	<0.1	5.2	8.9	484	2.65	3.2	13.5	5.4	158	0.1	0.3	<0.1	127	2.40	0.104	20	9	0.65	57	0.136
2.2	25	<0.1	24.3	17.0	437	3.67	3.1	6.2	1.1	78	<0.1	0.4	0.2	120	2.31	0.133	7	35	1.23	30	0.215
2.5	42	0.9	25.9	19.0	440	5.47	2.4	20.1	0.7	131	0.2	0.1	<0.1	223	2.11	0.259	10	63	0.84	58	0.172
7.9	70	<0.1	1.5	9.2	958	2.81	1.7	1.9	3.3	261	0.1	0.2	<0.1	134	2.62	0.071	14	3	0.47	69	0.176

24.7	59	2.6	17.7	61.5	987	12.52	15.0	107.0	1.3	188	0.3	1.1	<0.1	171	6.47	0.253	12	18	0.72	112	0.015
3.2	46	0.5	27.1	28.0	680	4.48	6.4	14.5	1.3	117	<0.1	0.2	<0.1	173	1.93	0.155	8	64	1.23	24	0.071
1.0	17	0.1	25.5	14.9	127	3.11	1.2	4.2	0.8	97	<0.1	0.1	<0.1	95	1.62	0.127	6	28	0.38	28	0.148

B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	Hg (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Ga (ppm)	Se (ppm)	Te (ppm)
8	1.89	0.028	0.07	0.5	0.01	5.0	<0.1	0.08	7	1.1	<0.2
3	1.26	0.036	0.06	0.3	0.02	8.0	<0.1	0.09	6	1.2	<0.2
7	2.09	0.062	0.11	0.7	0.02	8.5	<0.1	0.84	9	2.8	<0.2
5	2.11	0.053	0.10	0.9	0.02	6.3	<0.1	1.16	10	2.8	<0.2
2	0.23	0.017	0.29	<0.1	0.10	8.4	<0.1	2.39	5	8.8	<0.2
8	1.91	0.028	0.15	0.5	0.03	6.1	<0.1	<0.05	6	0.8	<0.2
2	1.12	0.037	0.21	0.2	0.05	2.2	<0.1	<0.05	6	<0.5	<0.2
3	1.65	0.011	0.33	0.2	0.07	4.9	0.2	0.73	10	3.3	<0.2
6	2.67	0.035	0.19	0.4	0.05	6.6	<0.1	0.40	11	0.7	<0.2
4	2.08	0.036	0.07	0.7	0.03	8.3	0.2	1.16	10	4.2	<0.2
5	1.63	0.041	0.09	1.0	0.02	9.0	<0.1	0.85	8	3.8	<0.2
3	0.72	0.064	0.16	<0.1	<0.01	0.4	<0.1	0.29	4	<0.5	<0.2
11	2.40	0.034	0.04	1.1	0.02	6.9	<0.1	1.17	8	3.2	<0.2
2	0.96	0.042	0.04	0.3	0.06	7.9	<0.1	<0.05	6	1.8	<0.2
3	1.07	0.043	0.06	0.2	0.05	8.8	<0.1	<0.05	7	1.2	<0.2
5	1.42	0.115	0.20	0.2	0.01	4.6	<0.1	0.40	9	0.9	<0.2
6	2.11	0.081	0.17	0.6	0.02	5.9	0.1	0.60	9	2.0	<0.2
4	1.24	0.036	0.19	0.2	0.02	5.6	<0.1	0.49	6	3.9	<0.2
3	1.17	0.040	0.41	0.2	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2

14	1.48	0.003	0.23	0.4	0.36	19.0	<0.1	0.36	5	6.6	1.4
1	1.94	0.012	0.07	<0.1	0.03	12.8	<0.1	0.13	10	2.0	<0.2
7	1.44	0.082	0.14	0.2	0.01	2.4	<0.1	1.02	6	4.2	<0.2



## Appendix B

Analytical certificates and methodology (Acme Labs)

## METHOD SPECIFICATIONS

### GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

<b>Package Codes:</b>	<b>1D01 to 1D03, 1DX1 to 1DX3, 1F01 to 1F07</b>
<b>Sample Digestion:</b>	<b>HNO<sub>3</sub>-HCl acid digestion</b>
<b>Instrumentation Method:</b>	<b>ICP-ES (1D), ICP-MS (1DX, 1F)</b>
<b>Applicability:</b>	<b>Sediment, Soil, Non-mineralized Rock and Drill Core</b>

#### Method Description:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO<sub>3</sub> and DI H<sub>2</sub>O for one hour in a heating block of hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

For 1F07, Lead isotopes (Pb<sub>204</sub>, Pb<sub>206</sub>, Pb<sub>207</sub>, Pb<sub>208</sub>) are suitable for geochemical exploration of U and other commodities where gross differences in natural to radiogenic Pb ratios, is a benefit. Isotope values can be reported in both concentrations and intensities. Sample splits of 0.25g, 0.5g, 15g or 30g can be analyzed.

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	2 ppb	100 ppm
Al*	0.01%	0.01%	0.01%	10%
As	2 ppm	0.5 ppm	0.1 ppm	10000 ppm
Au	2 ppm	0.5 ppb	0.2 ppb	100 ppm
B*^	20 ppm	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Ca*	0.01%	0.01%	0.01%	40%
Cd	0.5 ppm	0.1 ppm	0.01 ppm	2000 ppm
Co	1 ppm	0.1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	0.01 ppm	10000 ppm
Fe*	0.01%	0.01%	0.01%	40%
Ga*	-	1 ppm	0.1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	5 ppb	50 ppm
K*	0.01%	0.01%	0.01%	10%
La*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Mg*	0.01%	0.01%	0.01%	30%
Mn*	2 ppm	1 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	0.01 ppm	2000 ppm

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm	0.1 ppm	100 ppm
Sr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Te	-	0.2 ppm	0.02 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	0.1 ppm	2000 ppm
Ti*	0.01%	0.001%	0.001%	5%
Tl	5 ppm	0.1 ppm	0.02 ppm	1000 ppm
U*	8 ppm	0.1 ppm	0.05 ppm	2000 ppm
V*	1 ppm	2 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	0.05 ppm	100 ppm
Zn	1 ppm	1 ppm	0.1 ppm	10000 ppm
Be*	-	-	0.1 ppm	1000 ppm
Ce*	-	-	0.1 ppm	2000 ppm
Cs*	-	-	0.02 ppm	2000 ppm
Ge*	-	-	0.1 ppm	100 ppm
Hf*	-	-	0.02 ppm	1000 ppm
In	-	-	0.02 ppm	1000 ppm
Li*	-	-	0.1 ppm	2000 ppm
Nb*	-	-	0.02 ppm	2000 ppm
Rb*	-	-	0.1 ppm	2000 ppm
Re	-	-	1 ppb	1000 ppb
Sn*	-	-	0.1 ppm	100 ppm
Ta*	-	-	0.05 ppm	2000 ppm
Y*	-	-	0.01 ppm	2000 ppm
Zr*	-	-	0.1 ppm	2000 ppm
Pt*	-	-	2 ppb	100 ppm
Pd*	-	-	10 ppb	100 ppm
Pb <sub>204</sub>	-	-	0.01 ppm	10000 ppm
Pb <sub>206</sub>	-	-	0.01 ppm	10000 ppm
Pb <sub>207</sub>	-	-	0.01 ppm	10000 ppm
Pb <sub>208</sub>	-	-	0.01 ppm	10000 ppm

\* Solubility of some elements will be limited by mineral species present.

^Detection limit = 1 ppm for 15g / 30g analysis.

**Limitations:**

Au solubility can be limited by refractory and graphitic samples.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://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 24, 2011  
Report Date: September 18, 2011  
Page: 1 of 4

## CERTIFICATE OF ANALYSIS

SMI11000338.1

### CLIENT JOB INFORMATION

Project: Stikine Rocks  
Shipment ID: Aug-01  
P.O. Number  
Number of Samples: 61

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	61	Crush, split and pulverize 250 g rock to 200 mesh			SMI
1DX3	61	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.



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: Stikine Rocks  
 Report Date: September 18, 2011

Page: 2 of 4 Part 1

# CERTIFICATE OF ANALYSIS

SMI11000338.1

Method Analyte Unit MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	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	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
537406	Rock	0.85	0.9	811.3	6.3	33	0.4	21.3	15.0	398	3.69	0.7	19.7	1.3	105	0.1	<0.1	0.1	157	2.98	0.214
537407	Rock	1.39	1.4	1058	3.0	51	0.7	30.9	21.4	554	5.40	1.4	23.4	1.5	152	0.2	<0.1	<0.1	247	3.06	0.469
537408	Rock	1.00	3.2	104.5	14.0	35	<0.1	15.6	15.6	739	4.03	5.3	6.6	1.9	137	0.1	0.4	<0.1	137	4.03	0.128
537409	Rock	0.76	9.6	126.6	3.4	32	<0.1	27.2	16.7	706	4.48	9.0	9.5	1.0	55	<0.1	0.5	0.3	114	3.64	0.111
537410	Rock	0.49	31.2	676.3	20.2	39	3.3	15.5	25.2	148	11.37	8.1	58.6	1.8	61	0.2	0.4	<0.1	134	0.43	0.171
537411	Rock	0.66	0.5	348.3	3.0	72	0.2	15.8	23.4	776	6.02	1.7	10.8	2.1	232	0.2	<0.1	<0.1	326	2.86	0.336
537412	Rock	0.62	0.3	98.1	8.5	74	<0.1	1.6	8.9	1015	2.79	1.2	2.3	3.0	282	0.2	0.2	<0.1	131	2.93	0.074
540471	Rock	1.33	49.0	286.2	35.0	56	0.8	6.6	9.3	482	4.81	9.8	20.0	5.4	80	0.4	0.6	0.2	124	1.76	0.099
540472	Rock	1.16	1.3	86.0	11.4	60	<0.1	10.4	15.8	958	3.91	3.8	5.2	4.1	90	<0.1	0.2	<0.1	148	3.67	0.116
540473	Rock	1.45	14.8	110.5	9.7	82	0.2	27.6	15.5	493	4.49	17.3	10.6	0.8	167	0.9	0.9	0.1	117	4.90	0.112
540474	Rock	1.32	13.8	82.2	19.6	79	0.1	29.0	18.5	721	3.41	7.5	7.5	1.1	137	0.5	0.4	0.1	120	4.31	0.123
540477	Rock	1.04	3.0	31.1	13.0	27	0.2	0.6	2.4	247	1.24	6.3	29.3	1.9	70	0.2	0.2	0.3	36	1.54	0.013
541880	Rock	0.68	7.0	87.6	15.4	61	0.1	23.8	16.3	687	3.64	4.4	2.5	1.3	84	0.4	0.2	0.6	108	5.09	0.120
541881	Rock	0.92	0.2	2846	4.7	61	1.3	24.9	24.2	583	6.31	1.0	55.4	1.5	152	0.4	0.1	0.1	301	2.62	0.414
541882	Rock	0.93	0.3	2169	12.8	69	1.6	29.1	27.6	647	6.67	1.2	76.3	1.7	172	0.4	<0.1	0.3	313	2.73	0.438
541883	Rock	0.68	1.7	90.5	8.4	35	<0.1	5.2	8.9	484	2.65	3.2	13.5	5.4	158	0.1	0.3	<0.1	127	2.40	0.104
541884	Rock	0.86	5.0	93.5	2.2	25	<0.1	24.3	17.0	437	3.67	3.1	6.2	1.1	78	<0.1	0.4	0.2	120	2.31	0.133
541885	Rock	1.36	2.9	1571	2.5	42	0.9	25.9	19.0	440	5.47	2.4	20.1	0.7	131	0.2	0.1	<0.1	223	2.11	0.259
541886	Rock	0.64	0.1	102.4	7.9	70	<0.1	1.5	9.2	958	2.81	1.7	1.9	3.3	261	0.1	0.2	<0.1	134	2.62	0.071
541887	Rock	0.81	103.7	683.4	24.7	59	2.6	17.7	61.5	987	12.52	15.0	107.0	1.3	188	0.3	1.1	<0.1	171	6.47	0.253
541901	Rock	0.80	3.2	1016	3.2	46	0.5	27.1	28.0	680	4.48	6.4	14.5	1.3	117	<0.1	0.2	<0.1	173	1.93	0.155
1111891	Rock	0.59	1.8	161.0	1.0	17	0.1	25.5	14.9	127	3.11	1.2	4.2	0.8	97	<0.1	0.1	<0.1	95	1.62	0.127

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: Stikine Rocks  
 Report Date: September 18, 2011

Page: 2 of 4 Part 2

CERTIFICATE OF ANALYSIS

SMI11000338.1

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	0.1	0.01	0.1	0.05	1	0.5	0.2	
537406	Rock	7	37	0.62	26	0.112	8	1.89	0.028	0.07	0.5	0.01	5.0	<0.1	0.08	7	1.1	<0.2
537407	Rock	15	42	1.06	72	0.107	3	1.26	0.036	0.06	0.3	0.02	8.0	<0.1	0.09	6	1.2	<0.2
537408	Rock	9	30	0.98	24	0.147	7	2.09	0.062	0.11	0.7	0.02	8.5	<0.1	0.84	9	2.8	<0.2
537409	Rock	6	34	1.24	14	0.175	5	2.11	0.053	0.10	0.9	0.02	6.3	<0.1	1.16	10	2.8	<0.2
537410	Rock	7	30	0.16	54	0.353	2	0.23	0.017	0.29	<0.1	0.10	8.4	<0.1	2.39	5	8.8	<0.2
537411	Rock	15	46	1.27	127	0.142	8	1.91	0.028	0.15	0.5	0.03	6.1	<0.1	<0.05	6	0.8	<0.2
537412	Rock	13	3	0.49	48	0.153	2	1.12	0.037	0.21	0.2	0.05	2.2	<0.1	<0.05	6	<0.5	<0.2
540471	Rock	14	18	0.76	81	0.096	3	1.65	0.011	0.33	0.2	0.07	4.9	0.2	0.73	10	3.3	<0.2
540472	Rock	11	23	1.32	31	0.176	6	2.67	0.035	0.19	0.4	0.05	6.6	<0.1	0.40	11	0.7	<0.2
540473	Rock	6	38	0.91	14	0.182	4	2.08	0.036	0.07	0.7	0.03	8.3	0.2	1.16	10	4.2	<0.2
540474	Rock	6	35	0.88	53	0.146	5	1.63	0.041	0.09	1.0	0.02	9.0	<0.1	0.85	8	3.8	<0.2
540477	Rock	6	3	0.15	40	0.012	3	0.72	0.064	0.16	<0.1	<0.01	0.4	<0.1	0.29	4	<0.5	<0.2
541880	Rock	12	27	0.63	15	0.134	11	2.40	0.034	0.04	1.1	0.02	6.9	<0.1	1.17	8	3.2	<0.2
541881	Rock	14	58	1.14	34	0.095	2	0.96	0.042	0.04	0.3	0.06	7.9	<0.1	<0.05	6	1.8	<0.2
541882	Rock	15	46	1.24	52	0.097	3	1.07	0.043	0.06	0.2	0.05	8.8	<0.1	<0.05	7	1.2	<0.2
541883	Rock	20	9	0.65	57	0.136	5	1.42	0.115	0.20	0.2	0.01	4.6	<0.1	0.40	9	0.9	<0.2
541884	Rock	7	35	1.23	30	0.215	6	2.11	0.081	0.17	0.6	0.02	5.9	0.1	0.60	9	2.0	<0.2
541885	Rock	10	63	0.84	58	0.172	4	1.24	0.036	0.19	0.2	0.02	5.6	<0.1	0.49	6	3.9	<0.2
541886	Rock	14	3	0.47	69	0.176	3	1.17	0.040	0.41	0.2	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2
541887	Rock	12	18	0.72	112	0.015	14	1.48	0.003	0.23	0.4	0.36	19.0	<0.1	0.36	5	6.6	1.4
541901	Rock	8	64	1.23	24	0.071	1	1.94	0.012	0.07	<0.1	0.03	12.8	<0.1	0.13	10	2.0	<0.2
1111891	Rock	6	28	0.38	28	0.148	7	1.44	0.082	0.14	0.2	0.01	2.4	<0.1	1.02	6	4.2	<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:** Stikine Rocks  
**Report Date:** September 18, 2011

**Page:** 1 of 1 **Part** 1

QUALITY CONTROL REPORT

SMI11000338.1

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																					
REP G1	QC	<0.1	1.8	3.3	46	<0.1	2.9	4.3	584	2.04	<0.5	2.8	6.4	66	<0.1	<0.1	<0.1	38	0.50	0.075	
541887	Rock	0.81	103.7	683.4	24.7	59	2.6	17.7	61.5	987	12.52	15.0	107.0	1.3	188	0.3	1.1	<0.1	171	6.47	0.253
REP 541887	QC		104.5	694.1	25.4	60	2.8	17.7	61.6	1001	12.71	14.8	113.1	1.4	199	0.2	1.2	<0.1	172	6.56	0.257
Reference Materials																					
STD DS8	Standard	12.6	117.1	122.1	309	1.7	37.3	7.5	609	2.38	24.3	98.8	7.2	66	2.5	5.4	6.8	40	0.66	0.074	
STD DS8	Standard	13.4	113.8	127.9	310	1.7	41.1	8.1	639	2.59	23.9	108.2	7.8	73	2.2	5.8	7.2	44	0.76	0.076	
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	1.3	<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	0.2	<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	2.1	3.0	46	<0.1	2.8	4.3	563	2.00	<0.5	5.2	6.0	69	<0.1	<0.1	<0.1	37	0.48	0.076	
G1	Prep Blank																				
G1	Prep Blank	0.1	1.9	3.1	45	<0.1	3.4	4.4	581	2.04	<0.5	3.8	6.3	67	<0.1	<0.1	<0.1	38	0.52	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:** Stikine Rocks  
**Report Date:** September 18, 2011

**Page:** 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI11000338.1

Method	Analyte	1DX30 La ppm	1DX30 Cr ppm	1DX30 Mg %	1DX30 Ba ppm	1DX30 Ti %	1DX30 B ppm	1DX30 Al %	1DX30 Na %	1DX30 K %	1DX30 W ppm	1DX30 Hg ppm	1DX30 Sc ppm	1DX30 Ti ppm	1DX30 S %	1DX30 Ga ppm	1DX30 Se ppm	1DX30 Te ppm
Unit	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																		
REP G1	QC	11	13	0.56	203	0.138	1	1.00	0.095	0.49	<0.1	<0.01	2.0	0.2	<0.05	5	<0.5	<0.2
541887	Rock	12	18	0.72	112	0.015	14	1.48	0.003	0.23	0.4	0.36	19.0	<0.1	0.36	5	6.6	1.4
REP 541887	QC	13	19	0.72	113	0.015	14	1.51	0.003	0.23	0.4	0.38	19.4	<0.1	0.36	5	5.8	1.0
Reference Materials																		
STD DS8	Standard	15	115	0.61	259	0.121	2	0.92	0.091	0.41	2.9	0.21	2.1	4.9	0.16	4	4.8	4.3
STD DS8	Standard	16	120	0.63	275	0.130	4	0.95	0.093	0.42	3.0	0.20	2.4	5.1	0.17	5	5.4	4.7
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	11	12	0.56	203	0.133	3	0.97	0.087	0.48	<0.1	<0.01	1.9	0.2	<0.05	5	<0.5	<0.2
G1	Prep Blank																	
G1	Prep Blank	11	13	0.56	204	0.137	3	0.99	0.092	0.48	<0.1	<0.01	1.9	0.3	<0.05	5	<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.



