

TRITON EXPLORATION UPDATE

Triton Minerals Limited (ASX: TON, "Triton", "the Company") is pleased to provide an exploration update on the main activities at the key Balama North and Ancuabe graphite projects.

The Company confirms that since late March 2013, when the Mozambique projects became accessible, Triton has successfully completed a number of exploration milestones at the key graphite Balama North and Ancuabe projects. These include the following:

March 2013:

- Undertake initial reconnaissance mapping program at Balama North project
- Extensive Graphitic outcropping over **3.75km** strike zone, identified in License 5966 (Nicanda Hill prospect)

April 2013:

- Undertake initial reconnaissance mapping program at Ancuabe project
- Graphitic gneiss outcrops up to **4km** apart on License 5380 (Ancuabe project)

July – August 2013:

- Complete initial wide spaced RC drill program on Cobra Plains prospect
- Complete limited mapping programs on Balama North and Ancuabe projects
- Intersected substantial graphite mineralisation on Cobra Plains prospect in RC drilling including 109m of continuous graphite in hole TMBC0019

September - October 2013:

- Complete second phase an infill RC and diamond drilling program at Cobra Plains prospect
- Further substantial graphitic mineralisation with up to **105** culmative metres intersected at Cobra Plains (TMBC0059)
- Graphitic mineralisation with grades of up to **16.2%** TGC and Vanadium grades up to **0.36%** identified on Cobra Plains prospect (see press release dated 17 September 2013)
- Graphite mineralisation zone identified over 5km of strike length at the Cobra Plains prospect on License 5365
- Black Hills prospect identified with additional mapping on License 5365
- License 5966 granted, Company begins exploration on Nicanda Hill prospect
- Jumbo flake (**4mm**) high grade graphite (**9.43% TGC**) identified in surface rock chip samples taken on the Ancuabe Project (see press release dated 31 October 2013)

November 2013:

- Large flake (**1mm**) high grade graphite (**17.6% TGC**) identified in surface rock chip samples taken from the Nicanda Hill prospect (see press release dated 4 November 2013)
- Graphite mineralisation demonstrated over a zone that extends more than 10km on the Nicanda Hill and Cobra Plains prospects
- Charmers prospect identified in mapping on License 5966
- Triton take a **60%** majority interest in the JV partner Grafex Lda

December 2013:

- Diamond drilling and surface trenching program completed at Nicanda Hill prospect
- Reconnaissance mapping and rock sampling program completed on Black Hills and Charmers prospects
- Indications of graphite mineralisation continuity between Nicanda Hill and Cobra Plains prospects
- Substantial graphitic mineralisation with **156** cumulative metres intersected in drill hole TMBD0006 at Nicanda Hill and remains open in all directions

The Company is extremely pleased and encouraged by the tremendous progress that have been achieved in the development of Balama North project during 2013. The outstanding exploration and drill results at both the Nicanda Hill and Cobra Plains prospects continue to support Triton's interpretation and belief that the Balama North project has the potential to host multiple world class high grade large flake graphite substantial deposits.

Triton confirms assay results from the Cobra Plains RC and Diamond infill drill program are now trickling into the Company. Once the assay results have been reviewed and accordingly verified by Triton, the Company expects to provide an update to the market on the drilling results shortly.

Triton also confirms that these drill results will now assist the Company to complete a resource definition and refined scoping study for the Cobra Plains prospect by no later than mid-2014.

JORC TABLE CORRECTION

We refer to the Company's announcement which was released to the market on 10 December 2013. Triton confirms pursuant to ASX listing rule 5.7.1. the explanation as required in the 2012 JORC Code Table 1, in relation to Data Aggregation Methods and Balanced Reporting stated as not applicable in Table 5 of the announcement. The Company confirms data aggregation was not applied in this circumstance, as all data about the two diamond drill holes were fully disclosed in the announcement and the use of such methods was not required.

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Further, Triton confirms pursuant to ASX listing rule 5.7.2 requires that certain information, including “down hole width and depth” and “end of hole” is specified in a single table. Triton confirms that the relevant information was not contained in a single table, rather spread over two tables for ease of reading.

Thus, in order to comply with the listing rule requirements, annexed to this announcement in Tables 1 and 2 are a corrected tables outlining the simplified geology for drill holes TMB0005 and TMB0006.

Regards



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Competent Person's Statement

The information in this announcement that relates to Exploration Results on Balama North and Ancuabe projects is extracted from the reports entitled ASX Release “High Grade Vanadium Intersections At Cobra Plains Prospect, Balama North Project” dated 17 September 2013, ASX Release “Balama North Project “Cobra Plains Prospect” Drilling Intersects 105 Metres of Graphite” dated 14 October 2013”, ASX Release “High Grade Large Flake Graphite Identified at Ancuabe Project”, dated 31 October 2013, ASX Release “High Grade Large Flake Graphite Identified At Nicanda Hill Prospect Balama North Project” dated 4 November 2013 and Balama North Project “Nicanda Hill Prospect” Drilling Intersects 156 Metres of Graphite dated 10 December 2013 are available to view on www.tritonmineralsLtd.com.au The reports were issued in accordance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not necessarily limited to, statements concerning Triton Minerals Limited's planned exploration program and other statements that are not historic facts. When used in this document, the words such as “could”, “plan”, “estimate” “expect”, “intend”, “may”, “potential”, “should” and similar expressions are forward-looking statements. Although Triton Minerals Limited believes that its expectations reflected in these are reasonable, such statements involve risks and uncertainties, and no assurance can be given that actual results will be consistent with these forward-looking statements.

Table 1. Simplified geology for drill hole TMBD0005

Hole ID	Northing	Easting	RL (m)	Dip/ Azimuth (magnetic)	Hole Depth (m)	From (m)	To (m)	Drilled Intercept (m)	Simplified Geology
TMBD0005	8543166	477787	542	55°/136°	185.6	0	2.6	2.6	Overburden
						2.6	4.19	1.59	Graphite felsic schist
						4.19	5.14	0.95	Muscovite tonalitic gneiss
						5.14	18	12.86	Graphite felsic schist
						18	19.27	1.27	Muscovite tonalitic gneiss
						19.27	28.47	9.2	Graphite felsic schist
						28.47	33.8	5.33	Muscovite tonalitic gneiss
						33.8	60.55	26.75	Graphite roscoellite schist
						60.55	61.28	0.73	Muscovite tonalitic gneiss
						61.28	61.98	0.7	Graphite roscoellite schist
						61.98	62.51	0.53	Muscovite tonalitic gneiss
						62.51	64.27	1.76	Graphite biotite schist
						64.27	64.97	0.7	Muscovite tonalitic gneiss
						64.97	100	35.03	Graphite roscoellite schist
						100	101.62	1.62	Biotite tonalitic gneiss
						101.62	105.62	4	Graphite biotite schist
						105.62	112.14	6.52	Biotite tonalitic gneiss
						112.14	115.47	3.33	Graphite biotite schist
						115.47	118.79	3.32	Biotite tonalitic gneiss
						118.79	122.89	4.1	Graphite roscoellite schist
						122.89	123.04	0.15	Biotite tonalitic gneiss
						123.04	126.4	3.36	Graphite roscoellite schist
						126.4	127.04	0.64	Biotite tonalitic gneiss
						127.04	128.67	1.63	Graphite roscoellite schist
						128.67	129.84	1.17	Biotite tonalitic gneiss
						129.84	130.71	0.87	Graphite roscoellite schist
						130.71	131.21	0.5	Biotite tonalitic gneiss
						131.21	134.38	3.17	Graphite biotite schist
134.38	134.72	0.34	Biotite tonalitic gneiss						
134.72	139.05	4.33	Graphite biotite schist						
139.05	139.8	0.75	Biotite tonalitic gneiss						
139.8	143.08	3.28	Graphite biotite schist						
143.08	176.54	33.46	Biotite tonalitic gneiss						
Cumulative drilled width of graphite-bearing schist in hole:								115.96m	

Table 2. Simplified geology for drill hole TMBD0006.

Hole ID	Northing	Easting	RL (m)	Dip/ Azimuth (magnetic)	Hole Depth (m)	From (m)	To (m)	Drilled Intercept (m)	Simplified Geology
TMBD0006	8543166	477787	542	55°/136°	185.62	0	2.25	2.25	Overburden
						2.25	16.94	14.69	Graphite roscoellite schist
						16.94	18.98	2.04	Muscovite tonalitic gneiss
						18.98	34.72	15.74	Graphite roscoellite schist
						34.72	36.08	1.36	Muscovite tonalitic gneiss
						36.08	46.93	10.85	Graphite roscoellite schist
						46.93	47.52	0.59	Muscovite tonalitic gneiss
						47.52	49.73	2.21	Graphite roscoellite schist
						49.73	52.28	2.55	Muscovite tonalitic gneiss
						52.28	56.71	4.43	Graphite roscoellite schist
						56.71	57.88	1.17	Biotite tonalitic gneiss
						57.88	75.21	17.33	Graphite roscoellite schist
						75.21	88.12	12.91	Biotite tonalitic gneiss
						88.12	90.04	1.92	Graphite roscoellite schist
						90.04	90.47	0.43	Biotite tonalitic gneiss
						90.47	93.72	3.25	Graphite roscoellite schist
						93.72	94.79	1.07	Felsic schist
						94.79	96.31	1.52	Graphite biotite schist
						96.31	96.84	0.53	Biotite tonalitic gneiss
						96.84	97.21	0.37	Graphite felsic schist
						97.21	97.3	0.09	Biotite tonalitic gneiss
						97.3	125.62	28.32	Graphite felsic schist
						125.62	128.09	2.47	Graphite roscoellite schist
						128.09	130.27	2.18	Muscovite tonalitic gneiss
						130.27	133.6	3.33	Graphite felsic schist
						133.6	137.24	3.64	Graphite roscoellite schist
						137.24	141.57	4.33	Graphite biotite schist
						141.57	141.94	0.37	Muscovite tonalitic gneiss
						141.94	149.97	8.03	Graphite roscoellite schist
						149.97	150.24	0.27	Muscovite tonalitic gneiss
						150.24	159.32	9.08	Graphite roscoellite schist
						159.32	160	0.68	Muscovite tonalitic gneiss
160	165.02	5.02	Graphite roscoellite schist						
165.02	165.25	0.23	Muscovite tonalitic gneiss						
165.25	171.82	6.57	Graphite biotite schist						
171.82	172.93	1.11	Biotite tonalitic gneiss						
172.93	185.62	12.69	Graphite roscoellite schist						
Cumulative drilled width of graphite-bearing schist in hole:								155.79m	