



Cascade doubles mineralisation footprint and returns grades of up to 20.4% TGC

Highlights

- Cascade surface samples returned up to 20.4% TGC and averaged 10% TGC for outcrop and basement samples
- Epanko north drilling – 1,500m drilled in first month
- Cascade area being systematically pit sampled and trenched, confirming zones of high grade graphite mineralisation within a 1300m x 800m area
- Aerial survey completed over Epanko north and Cascade

Black Rock Mining Limited (ASX:BKT) is pleased to provide an update of exploration activities at its Mahenge project, Tanzania. The Company has two drilling rigs conducting an infill drill programme at Epanko north and field teams at both Cascade and Kituti prospects.

Early stage drilling is confirming extensive graphite mineralisation at Epanko north and Epanko northeast. Mapping and sampling at the Cascade prospect has significantly increased the strike length and width of the graphitic mineralised zone, prompting a comprehensive sampling programme. The 22km long Kituti structure is being mapped/sampled in detail to determine drill targets and metallurgical samples have been prepared from Epanko north for test work.



Photo 1. Coarse graphite flakes within outcrop at north Cascade. Graphite flakes are up to 7mm long.



Cascade prospect update – first assay results return high grades

Cascade project has a number of field teams progressing the evaluation of a 1300m by 800m footprint. Results have started to return from the laboratory with good grades confirming the potential of the prospect, with best assays of 20.4%, 15.5%, 12.85% and 12.7% TCG. Average grade for outcropping and basement pit samples is around 10% TGC.

- The area has been systematically mapped. Outcrops have been sampled and test pits dug to sample basement rock on a grid pattern. Assays are awaited
- The initial 186m trench (C1) has been widened to 400m, with most of the new trench extensions showing graphite mineralisation. This has been sampled and assays are awaited
- Outcropping graphitic schists in the creek (central Cascade) have been sampled over 300m across strike. Assays are awaited
- Aim is to drill the prospect upon validating surface mineralisation
- An aerial survey has been flown over the Company's main prospects, providing high resolution contour maps and photographs

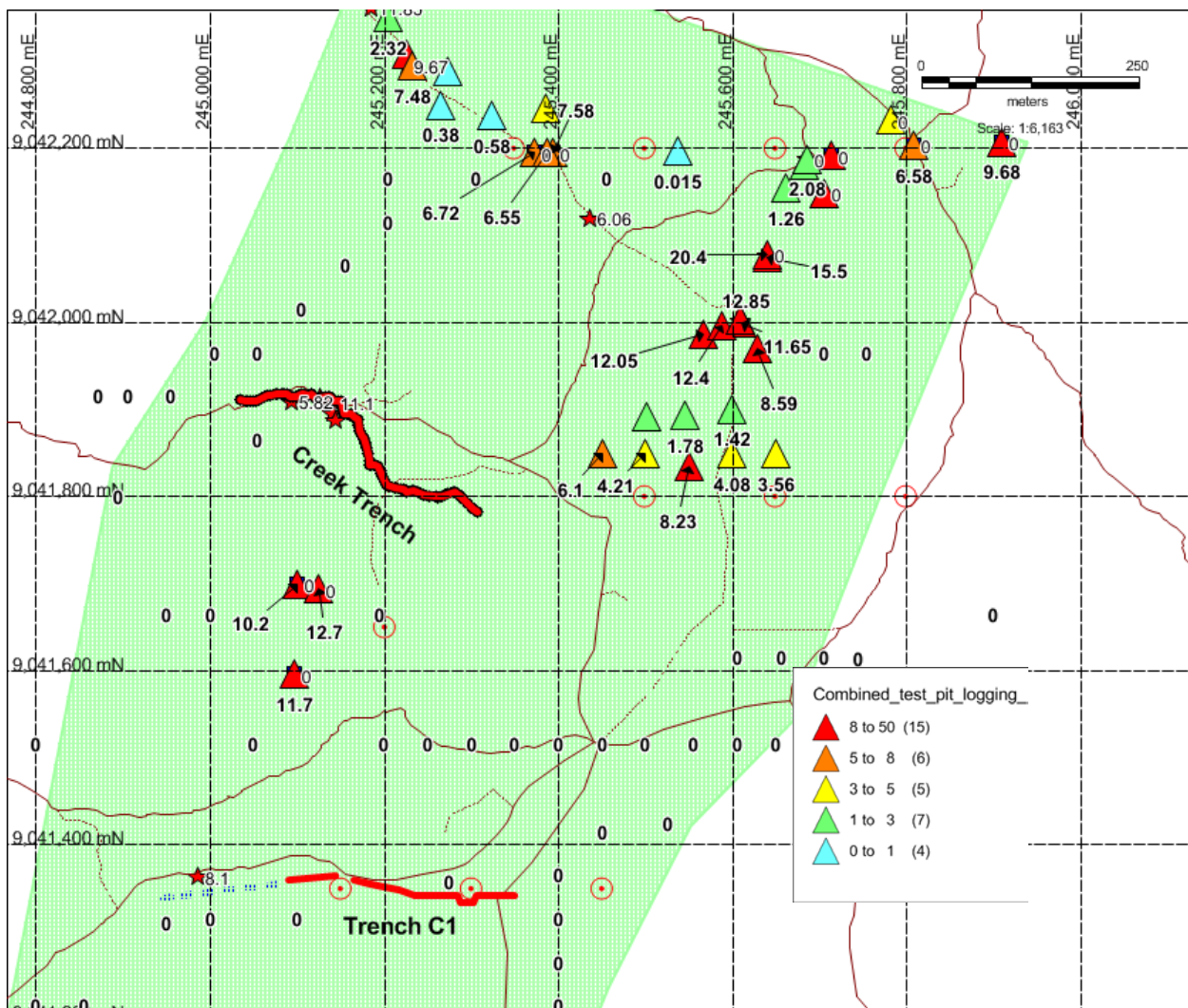


Figure 1. Cascade area showing test pits and results to date as %TGC.



The Cascade zone (4km north of Epanko north) returned a highly encouraging set of results from trenching completed in 2014. Within the **186m @ 5.95% TGC** total trench interval at trench C1, two higher grade zones were encountered: **24m @ 7.89% TGC** from 51m and **86m @ 8.34% TGC** from 115m. In addition, an east/west trending creek in the centre of the zone contains at least 200m of exposed graphitic basement, for which 5 chip samples taken in 2014 averaged 10.06% TGC. The Cascade prospect area was interpreted to have widths of 200–400m and strike of 600m, open to the north and south.

Mapping and sampling the cascade lode during June has substantially enlarged the surface mineralised zone to 800m in width by 1,300m of strike length. This is an incredible width of mineralised ground for this district.

We keenly await the results of approximately 300 outcrop/basement samples to complete the first part of the programme. This data should provide justification to commence drilling Cascade during this field season, shortly after the current Epanko north drill programme is completed.



Photo 2. Outcropping graphitic schist in Cascade creek showing abundant coarse flake graphite. This creek contains approximately 200m of araphite across strike.



Photo 3. test pit at ridge top showing less than a metre of cover before exposing graphitic basement. Sample #088 returned 12.85% TGC

Photo 4. Graphite mineralisation mapped and sampled along creek exposure. Five outcrop samples taken along this creek in 2014 averaged 10.06% TGC. The current sample programme will provide much more detail about the geology, width and grade of this graphite mineralised zone



Photo 5. Entire rock sequence in this photo is graphite mineralised.



Mahenge Exploration Programme Status

Work is focused on infill drilling the western lode of **Epanko North** to determine its bulk tonnage graphite potential. Over 1,500m of RC and diamond has been drilled in the first month of drilling. The first infill hole of this programme at Epanko north (RC16) drilled a highly encouraging 120m graphitic schist interval from 10m down-hole, indicating that this section hosts substantial widths of graphite mineralisation.

Maiden drilling at the **Epanko Northeast** lode returned zones of exceptionally coarse graphite from the first few drill holes with graphite flakes up to 8mm x 8mm, despite being pulverised by the RC hammer when drilled. High grades are expected from this section. Epanko Northeast (600m east of, and parallel to Epanko North) is a narrower, higher-grade graphite structure with >10% TGC trench grades. This lode is being drilled with the objective of defining a higher-grade source of graphite mineralisation in a separate pit.

The **Cascade** lode is the most exciting prospect at Mahenge. Originally a 400m x 600m zone of graphite mineralisation when found last year, recent work has doubled these dimensions. An intensive mapping, sampling and trenching programme is underway with multiple crews to define the surface extent and grade of this unusually wide zone. Cascade has potential to be larger in size than Epanko north – the current sampling programme will provide a guide to surface graphite grades, strike length and widths.

The 22km long **Kituti** structure is being traversed, mapped and trenched in more detail to determine wider mineralised zones for drill testing. To date, this structure has not been comprehensively mapped. The two drill holes completed at the Kituti prospect indicate that graphite mineralisation is near vertical in two parallel lodges with potential for significant tonnage along the 22km strike of the structure.

Managing Director, Steven Tambanis commented: *“We have an excellent exploration team on the ground at Mahenge managing two drill rigs at Epanko North and two separate programmes at Cascade and Kituti. Assay results have started to return from the laboratory with good results. This team is working to deliver a maiden resource from Epanko North and new drill targets from other areas.”*

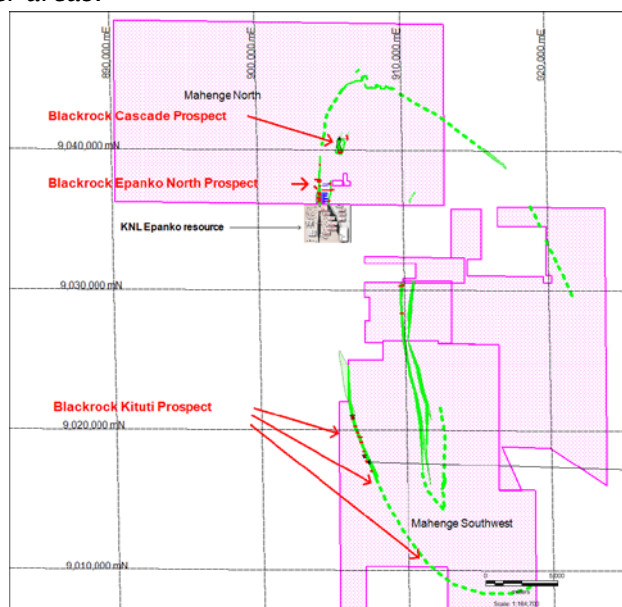


Figure 2. Location of Black Rock's projects within its Mahenge



Summary

"We are delighted with the highly encouraging initial results from Epanko north and Cascade. Two rigs are infill drilling Epanko north and Epanko northeast to develop a resource. Other crews are assessing Cascade and Kituti with the objective of developing additional stand-alone drill targets. The large field team is ensuring considerable progress and news flow over the next three months," said Steven Tambanis, Managing Director.

The current exploration programme continues to both confirm and enhance the prospectivity of BKT's Mahenge tenure. Epanko north and Epanko northeast are expected to deliver graphite resources this year, whilst the Cascade prospect is shaping up to be a stand-alone graphite zone, recently returning solid results with most assays expected over the next month. Following the successful capital raising in March this year, the Company is well funded to conduct this work.

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About Black Rock Mining

Black Rock Minerals Limited is an Australian based company listed on the Australian Securities Exchange. The Company has graphite tenements in the Mahenge region, Tanzania and is drilling its Epanko North prospect to determine a JORC compliant resource.

The company is building a skill and knowledge base to become an explorer, developer and diversified holder of graphite resources.

Shareholder value will be added by:

- *identifying and securing graphite projects with economic potential*
- *focussing on ground that can be commercialised quickly by converting into JORC compliant resources; and*
- *taking these resources into production*

Our focus is on establishing a JORC resource at Epanko North, Mahenge, whilst further exploring and drilling the Kituti, Cascade and Ndololo prospects.

Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Steven Tambanis, who is a member of the AusIMM. He is a full time employee of Black Rock Mining Limited. Steven Tambanis has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 and 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Steven Tambanis consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.