

ASX ANNOUNCEMENT

31 July 2018

FOURTH QUARTER ACTIVITIES REVIEW

Cassius Mining Limited ("**Cassius**" or "the **Company**") (**ASX Code: CMD**), is pleased to provide shareholders with the Company's Activities Review for the quarter ending 30 June 2018.

During the fourth quarter the Company:

- ✓ Completed the Aero-Mag & Radiometric Survey and engaged SRK Consulting to provide a detailed analysis of the results
- ✓ Completed the independent assessment of the proposed acquisition of the entire Large Scale Licence (with independent experts, RSM Corporate Australia (Pty) Limited and Snowden Mining Industry Consultants Pty Ltd).
- ✓ Entered into preliminary discussions with third parties in regard to possible opportunities in relation to the Company's Soalara Limestone Project.

HIGH RESOLUTION AERO-MAG & RADIOMETRIC SURVEY - COMPLETED

A high resolution aerial magnetic and radiometric survey was conducted in April 2018 across the entire Gbane Project Licence Area for the first time using the world's only 3-axis heli-gradiometer, capable of generating very high definition results.

- 689 line kms were flown based on 50 metre line spacings normal to the main strike of mineralisation (with approximate 500 metre overlap to licence boundaries)

The survey is being used for:

- ✓ Revision of ground mapping
- ✓ Targeting higher grade fold hinges of shallow plunging ore shoots and saddle reef structures for follow-up diamond drilling
- ✓ Identifying lower grade, higher tonnage mineralisation within narrow vein stock-works associated with Phase 3 intrusives for future exploration
- ✓ Identification of new target areas for future exploration based on combined geological mapping and geophysics

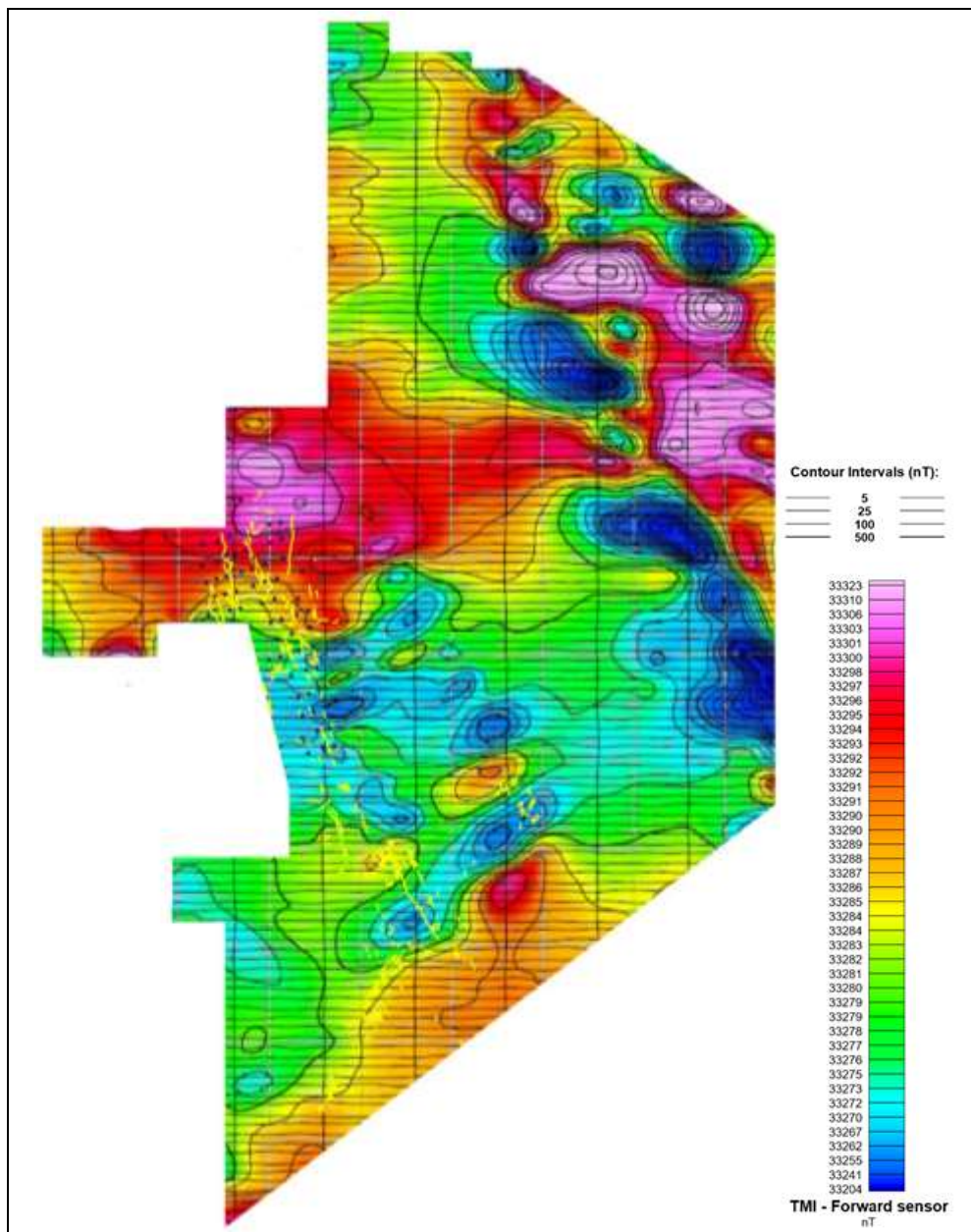


Fig 1: TMI overlay with the License

Figure 1 shows intense TMI gradient changes, with a strong NW-SE structure prominent.

Results of the survey are expected by mid Q1 2018-19 after which Cassius' technical team will formulate the forward exploration activity which we anticipate will:

- locate specific drill targets as extensions to existing gold mineralisation, and
- qualify locations for future geochemical sampling, auger or air-core.

INDEPENDENT ASSESSMENT OF ACQUISITION OF 100% INTEREST IN THE LARGE SCALE LICENCE – COMPLETED

As announced previously, the Company has agreed to terms to acquire the whole Large-Scale Licence covering an area of 13.79km², encompassing the balance of the Gbane Project Area as well as the option areas in the Joint Venture (the "**Licence Area**").

The acquisition requires the approval of shareholders. Accordingly, the Company engaged RSM Corporate Australia (Pty) Limited ("RSM") to provide an Independent Expert's Report. RSM requested an Independent Technical Valuation of the Cassius Mining Limited (Cassius) Large Scale Prospecting (LSP) Licence in northern Ghana (the Mineral Asset) by Snowden Mining Industry Consultants (Pty) Limited.

The Independent Expert Reports have now been completed and will accompany the Notice of Meeting setting out the details and resolutions relating to the proposed transaction. The Notice of Meeting will be dispatched to the Company's shareholders following completion of the standard reviews by the ASX.

The proposed acquisition encompasses the balance of the Gbane Project area and all the option areas included in the Company's Joint Venture agreement¹. This acquisition, which is conditional on shareholder approval, will conclude the Joint Venture by effectively transferring the balance of the Licence Area to the Company, who will then own 100% of the Licence Area.

SOALARA LIMESTONE PROJECT, MADAGASCAR

During the last Quarter the Company explored enquiries around a possible joint venture or industry trade sale of the Company's Limestone asset. The limestone should be suitable for manufacture of cement and lime, these will become two prime potential markets. A third potential market with reasonably large volume potential is the supply of limestone for glass-making as a result of the high quality of the limestone.

Those discussions remain on-going.

Background

The Soalara property is located on the coast in southwest Madagascar and consists of two contiguous permits that encompass a total area of 18.75 sq. km. The permits are granted to Soalara Calcaire SARLU, a Malagasy company Gulf acquired 100 % share capital in through its Malagasy subsidiary Austral Malagasy Mining SARL. In 2015, the permits were granted for the exploitation of limestone, and are valid for a period of 40 years.

¹ The Parties entered into a Joint Venture Agreement (the **Joint Venture**) following shareholder approval which was granted at a meeting of Company members on 26 May 2017 (**Shareholder Approval**).

Based on the report and its due diligence, the Company believes that, with a successful drilling programme and the development of a Pre-Feasibility study, the Project has the potential to be developed as a significant JORC compliant resource which could lead to a substantial uplift in the value of the Project.

Based on a successful drilling programme a Typical Resource Classification value ranges for limestone are²:

- Measured: USD\$0.15/t – USD\$0.20/t
- Indicated: USD\$0.03t/ -- USD\$0.05/t
- Inferred: USD\$0.01/t – USD\$0.02/t

CORPORATE

Increase Interest in Gbane Joint Venture

Based on the terms of the Gbane Project Joint Venture, the Company's exploration expenditure has resulted in an increase of the Company's interest in the Gbane Joint Venture Project.

The Company will now seek shareholder approval to acquire a 100% interest in the Large-Scale Licence.

SCHEDULE OF TENEMENTS as at 30 June 2018

Location	Tenement / Special License Number
Ghana	70% interest in the Gbane project
Madagascar	R14542 - 100% R14960 – 100%

SCHEDULE OF TENEMENTS DISPOSED OF DURING THE QUARTER

Location	Tenement / Special License Number
-	-

² These values are based on a database held by Ausrocks (Ausrocks, 2015) on Resource values for industrial minerals and quarry materials and are indicative only with an accuracy of +/-33%. The database has been generated from actual sales of projects. The range of values for each Resource Classification depend on:

- The quality of the limestone in the Resource.
- The size of the Resource.

The likely production rate which is linked to the Resource size and the potential market. For extremely large resources, a value is selected for the first 40 years production (a typical project life) and the remaining Resource is discounted at the minimum value. This assessment is based on an average production rate of 2 Mt/a for 40 years.

Attribution: Competent Person Statement

The information in Report that relates to Exploration Targets and Exploration Results is based on information compiled by Peter Gleeson who is a Member of the Institute of Materials, Minerals and Mining, a 'Recognized Professional Organization' (RPO) including in the list promulgated by the ASX from time to time. Peter Gleeson is a consultant working for SRK Consulting (UK) Ltd and has been engaged by Cassius Mining Ltd to prepare documentation for the Gbane Project. He has sufficient experience which is related to the style of mineralization and type of deposit under consideration and to the activity which has been undertaken, to qualify as Competent Person as defined by the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves", Peter Gleeson consents to the report being issued in the form and context in which its appears.

The information in Report that relates to Exploration Targets and Exploration Results is based on information compiled by Dr David Jefferson who is a Member of the Institute of Materials, Minerals and Mining, a 'Recognized Professional Organization' (RPO) including in the list promulgated by the ASX from time to time. Dr Jefferson is a consultant working for SRK Exploration Services Ltd and has been engaged by - Cassius Mining Ltd to prepare documentation for the Soalara Limestone Property. He has sufficient experience which is related to the style of mineralization and type of deposit under consideration and to the activity which has been undertaken, to qualify as Competent Person as define by the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves", Dr. Jefferson consents to the report being issued in the form and context in which its appears.

For further information, please visit www.cassiusmining.com or www.bacchuscapital.co.uk or contact:

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