



West Arunta Airborne EM Survey Underway

HIGHLIGHTS

- **West Arunta Project prospective for sediment-hosted zinc mineralisation**
- **Previous drilling identified anomalous zinc enrichment near surface**
- **Airborne EM survey to assist identification of primary mineralisation**
- **Survey to be followed by drill testing of targets in first half of 2018**

Cassini Resources Limited (ASX:CZI) (“Cassini” or the “Company”) is pleased to advise that a high-resolution, helicopter-borne, Airborne Electromagnetic (AEM) survey has commenced at the Company’s 100%-owned West Arunta Project in Western Australia (Figure 1).

Drilling by Cassini in 2016 tested several zinc anomalous outcrops identified through surface mapping and sampling (Figure 2). This drilling suggested that the West Arunta has potential to host sedimentary zinc mineralisation, although the zinc anomalous outcrops were interpreted to be the result of hydromorphic dispersion in the regolith from a nearby primary source.

The Company has engaged independent contractor NRG to fly their Xcite™ system, over the entire prospective horizon, striking over 35km, for a total of 1,000 line km. The survey will assist with mapping the regolith profile and the definition of key prospective stratigraphic positions, as well as potentially directly identifying base metal mineralisation.



Figure 1. West Arunta Project location.

The Company has also won funding through the WA Government Exploration Incentive Scheme for co-funded drilling at the Janus gravity anomaly which the Company believes may represent a dense body of base metal mineralisation, close to the anomalous surface Zn enrichment at the Enceladus Prospect. The Company plans to complete this drilling by the end of June 2018.

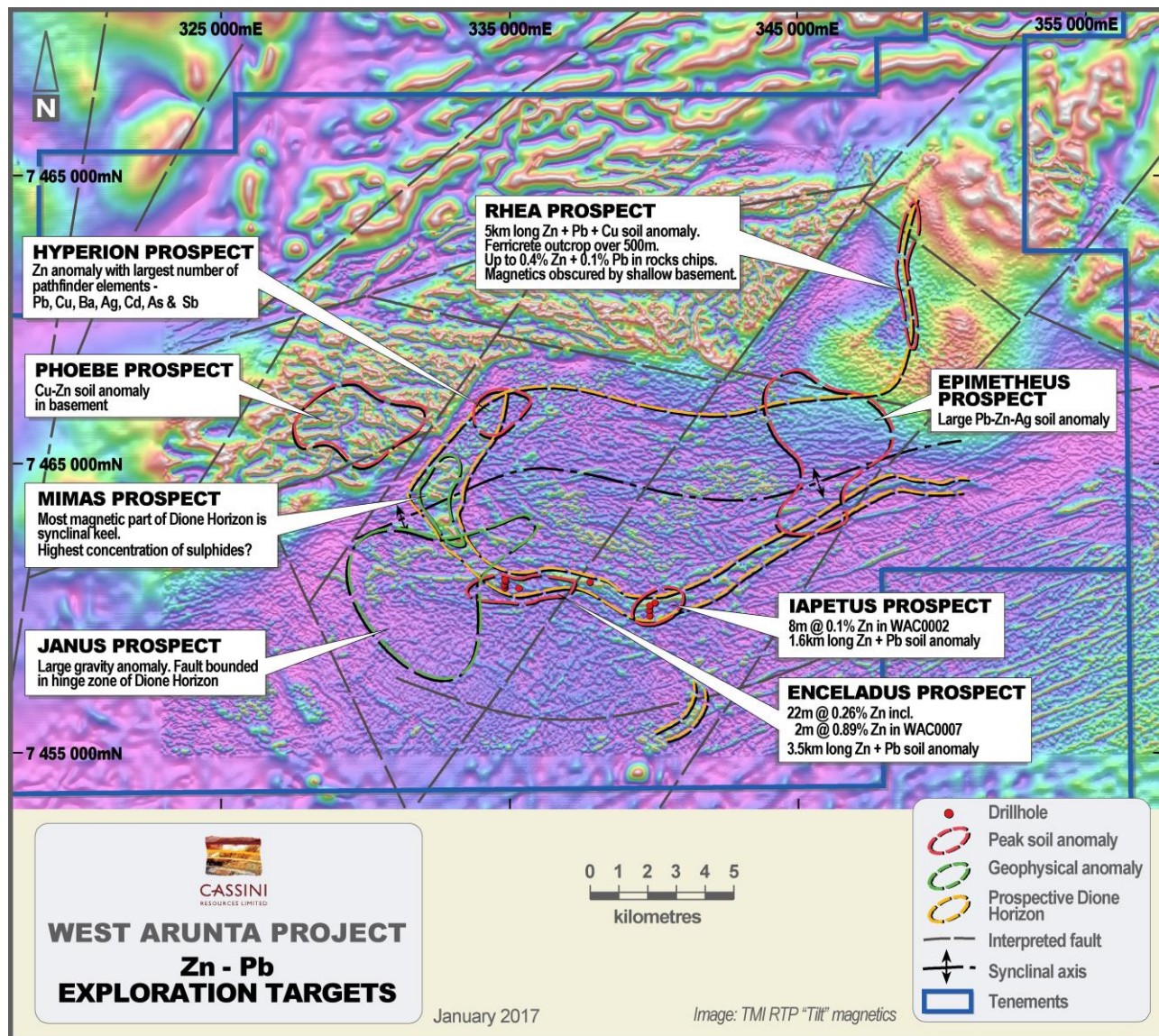


Figure 2. West Arunta Project Exploration Targets.

With the long-term outlook for the zinc price to remain strong due to current supply deficits, the West Arunta Zinc Project remains a key exploration asset for the Company. Cassini has a “first-mover” advantage, due to minimal historic exploration in the region and has built this project from conceptual model to proof-of-concept over the past few years. The Company looks forward to this exciting exploration phase of identifying primary sedimentary zinc mineralisation.



Figure 3. NRG Xcite™ system in operation.

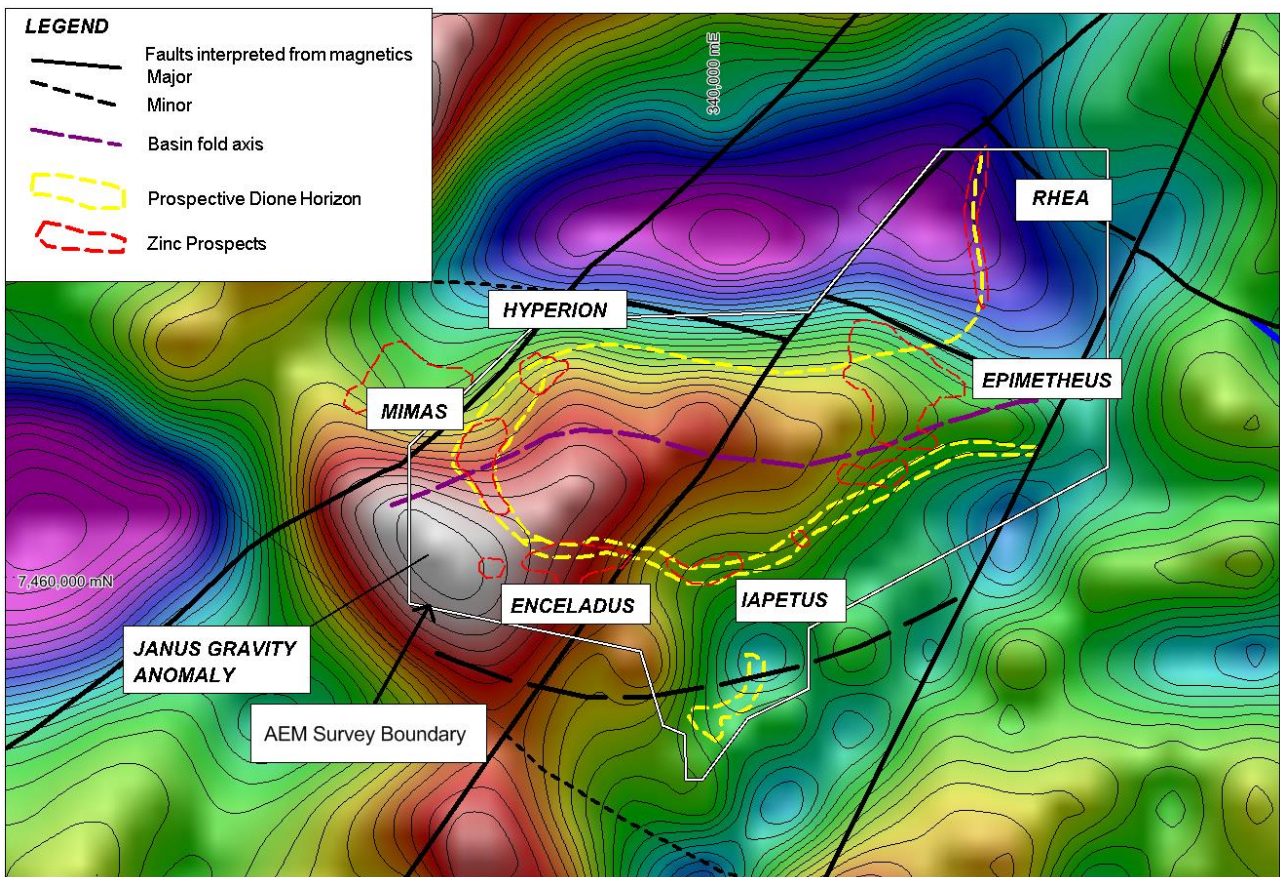


Figure 4. Area of AEM survey over Bouguer Gravity image and prospects

The Company is awaiting final results and interpretation of the Yarawindah Brook AEM survey which was completed in late February. The Company looks forward to providing an update on this project in the near future.

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About the Company

Cassini Resources Limited (ASX: CZI) is a base and precious metals developer and explorer based in Perth. In April 2014, Cassini acquired its flagship West Musgrave Project (WMP), located in Western Australia. The Project is a world-class asset which currently has over 1.0 million tonnes of contained nickel and 2.0 million tonnes of contained copper in Resource. The Project is a new mining camp with three existing nickel and copper sulphide deposits and a number of other significant regional exploration targets already identified. The WMP is the largest undeveloped nickel - copper project in Australia.

In August 2016, Cassini entered into a three-stage \$36M Farm-in/Joint Venture Agreement with prominent Australian mining company OZ Minerals Ltd (ASX: OZL). The Joint Venture provides a clear pathway to a decision to mine and potential cash flow for Cassini.

Cassini is also progressing its Mt Squires Gold Project, an early stage zinc exploration project in the West Arunta region and also has an option to acquire 80% of the Yarawindah Nickel – Copper - Cobalt Project, all located in Western Australia.

Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled or reviewed by Mr Greg Miles, who is an employee of the company. Mr Miles is a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Miles consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The Company is not aware of any new information or data, other than that disclosed in this report, that materially affects the information included in this report and that all material assumptions and parameters underpinning Exploration Results, Mineral Resource Estimates and Production Targets as reported in the market announcements dated 23 June 2016 continue to apply and have not materially changed.