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The Company Announcements Office  
ASX Limited Via E Lodgement

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## **EXPLORATION UPDATE ON BUDDADOO VANADIUM PROJECT**

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### **HIGHLIGHTS**

- **Exploration activities continue at the Buddadoo project in preparation for a further infill drilling program.**
- **Activities will primarily focus on Budd\_Gabbro\_04 which is a 350m wide and 6 km long intrusive with outcropping bands of massive and disseminated vanadiferous titanomagnetite mineralisation in the southern portion of Buddadoo Project.**
- **On-site work will focus on the parts of Budd\_Gabbro\_4 where RC intercepts indicate more extensive zones of titanomagnetite with higher vanadium concentration.**
- **Secondary targets extend some 500m to the east of Budd\_Gabbro\_04, where intervals of sub-cropping vanadium mineralisation hosted by a sequence of mafic and felsic gneisses have been intercepted and appear to also extend for some 6 km in length.**
- **The programme will commence in early September with mapping, sampling of stored RC chips for metallurgical work, a flora survey and selection of sites for the next round of RC drilling.**

### **Background**

The Board of Coziron Resources Limited ("CZR" or "Company") is pleased to advise that the Company is progressing the Buddadoo Vanadium Project that is located in the Murchison Province about 400km north of Perth. Activities will focus on the southern portion of the Buddadoo Gabbro (Budd\_Gabbro\_04) which generated broader intercepts of higher grade vanadium from the RC drilling programme completed in early 2018.

The new zones of vanadium mineralisation to the east of Budd\_Gabbro\_04 will also be followed up. The work will generate additional geological, geochemical and metallurgical data that can be utilised in the generation of a JORC-compliant resource and a scoping study for an operation to produce vanadiferous titanomagnetite for shipping of a concentrate from the port of Geraldton.

The vanadium mineralisation at Buddadoo is located 20 km east of a bitumen road between Morawa and Yalgoo and uses only 5 km of station tracks to an all-weather-made surface road that connects to the bitumen. All the known mineralisation either outcrops or shallowly subcrops and the interface between weathered and fresh rock is less than 10 m from the surface. Morawa, which is 70km west of Buddadoo is serviced by a railway line that transports iron-ore, wheat and other commodities some 150 km to the port of Geraldton.

### **Work Programmes and Results**

In the period since 28 RC drill-holes were completed and fully reported (see announcements to ASX on 31<sup>st</sup> January 2018, 28<sup>th</sup> February 2018, 21<sup>st</sup> March 2018, 18<sup>th</sup> April 2018, 3<sup>rd</sup> of May 2018 and 15<sup>th</sup> of May 2018), the geology and geophysics associated with the Buddadoo vanadium mineralisation has been reviewed and planning for the next stage of drilling completed.

The soil sampling, mapping and drilling programmes to date have outlined two types of mafic rocks at the southern end of the Buddadoo Project with vanadium mineralisation. The focus of future work is the 350m wide by 6 km long, high-order magnetic anomaly named Budd\_Gabbro\_04 with outcropping coarse-grained bands of massive and disseminated titanomagnetite that appears to be a single intrusive unit. This was previously targeted with 10 RC holes and all intercepted the same styles of massive and disseminated mineralisation that is observed in outcrop. The recently acquired geochemistry confirmed historical studies that suggested the magnetite has a trend of decreasing vanadium and increasing titanium to the west. The recent results also suggest the amount and extent of vanadium-rich mineralisation appears to be greater in the southern portion of the gabbro.

To the East of Budd\_Gabbro\_04, are lower order magnetic features that were initially attributed to Budd\_Gabbro\_6. However, mapping and drilling of 18 RC-holes have identified that the mineralisation is hosted by a suite of medium to coarse grained metasedimentary and metavolcanic felsic and mafic rocks with a suite of thinner mafic intrusives. All the drill intercepts from the eastern magnetic anomalies contain rocks with significantly higher and consistent vanadium to titanium ratios that would indicate potential for a vanadium-rich magnetite concentrate.

### **Proposed Programme**

Field-work is to commence in early September with cover infill mapping, further sampling of the first round RC-holes, a flora survey and selection of second-stage drill sites focussed on Budd\_Gabbro\_04.

Infill mapping will delineate the outcrop extent of the coarse-grained gabbro and provide the surface component of JORC-compliance for the mineralisation.

Additional sampling of the RC material will provide a first-stage metallurgical programme to establish mass-yield, mineralogy and composition of vanadiferous concentrate at a selection of grain-sizes. The priority drill-holes are from the central to southern region of the Budd\_Gabbro\_04 and selected higher-grade intervals from the holes to the east of Budd\_Gabbro\_04 to provide concentrates for comparative studies of the grain-size, mineralogy and geochemistry. The focus of the metallurgical programme is to determine whether historical studies that produced a concentrate with V<sub>2</sub>O<sub>5</sub> @ 1.7% and low silica from RAB-RC samples which would be suitable for the recovery of vanadium by roast-leach, could be generated at a grind-size of 700 microns or less is representative of the mineralised system.

The flora survey in early September will be completed within the optimum period for sampling vegetation near the outer boundary of the Yilgarn Ranges flora system. The flora study will be undertaken as the locations for the next round of gridded RC drilling are being selected.

### **Further Results**

Results from these programmes will be compiled and reported when the final results are available and interpreted.



For further information regarding this announcement please contact Rob Ramsay on 08 6211 5099.

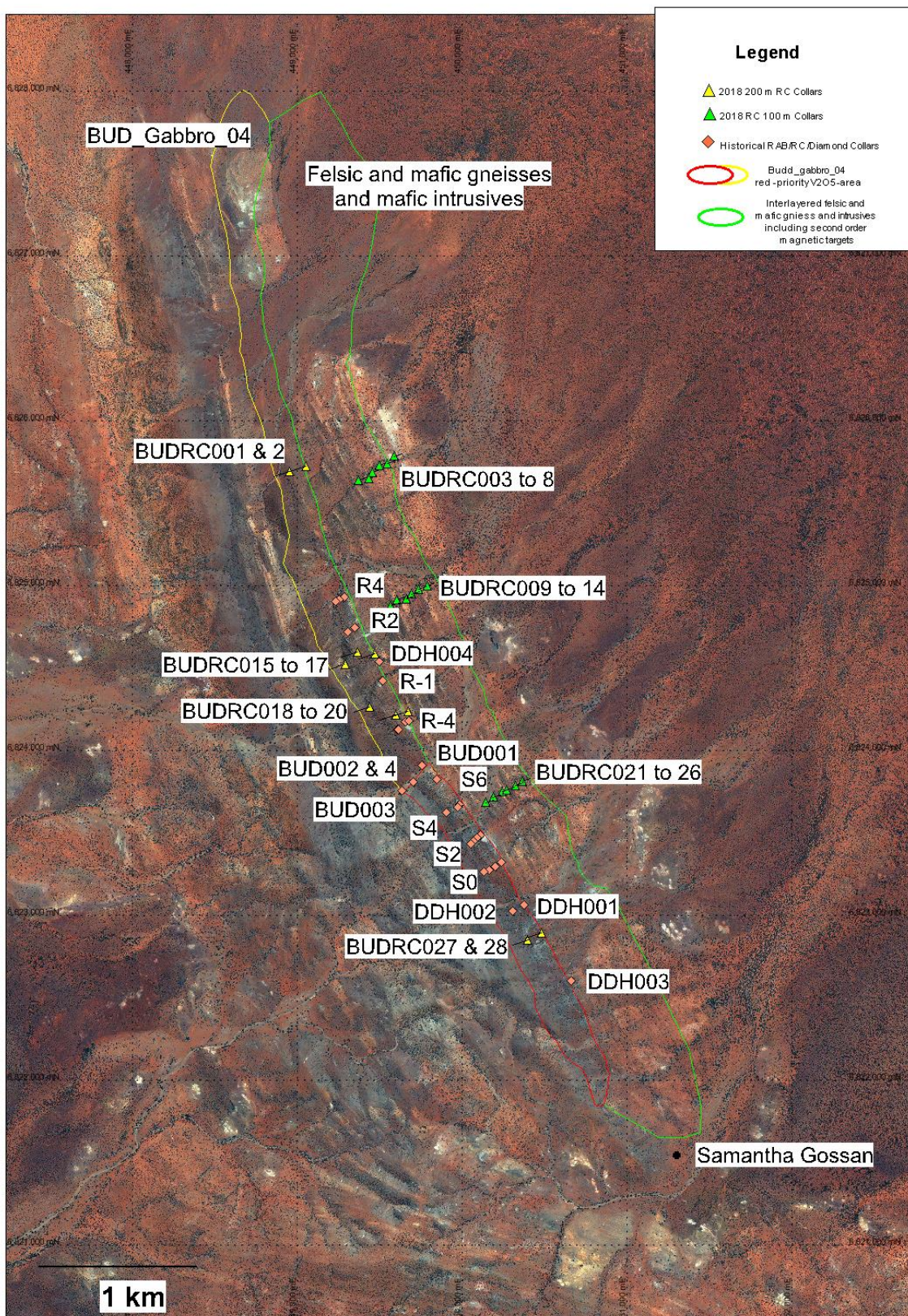


Figure 1. Location of historical and 2018-completed drill-collars on the Buddadoo vanadium prospect overlain on Quickbird satellite imagery with the outline of the Buddadoo Gabbro in Red and Yellow. The green polygon outlines vanadium mineralisation within a sequence of felsic and mafic gneisses and mafic intrusives. The red polygon is the high-priority area for mapping, metallurgical studies, a flora survey and infill drilling.



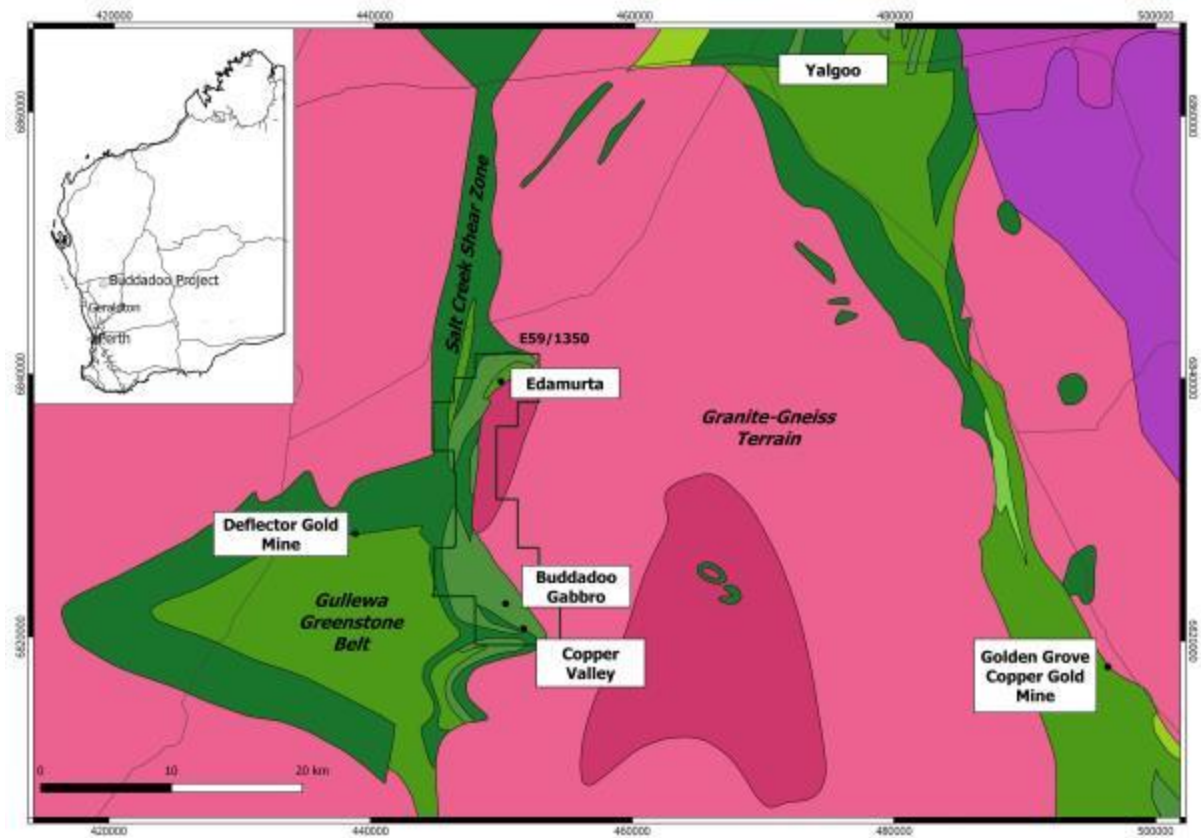


Figure 2. Location, geology and exploration prospects on the Buddadoo Project (E59/1350) overlain on the 1:500,000 scale digital regional geology from the Geological Survey of Western Australia.

### Competent Persons Statement

The information in this report that relates to mineral resources and exploration results is based on information compiled by Rob Ramsay (BSc Hons, MSc, PhD) who is a Member of the Australian Institute of Geoscientists. Rob Ramsay is a full-time Consultant Geologist for Coziron and 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 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Rob Ramsay has given his consent to the inclusion in this report of the matters based on the information in the form and context in which it appears.

### Cautionary Statements

There are some historical exploration results included that have not been collected and reported in accordance with the JORC Code 2012 and the Competent Person has not done sufficient work to disclose the exploration results in accordance with JORC Code 2012. However, there is nothing that has come to the attention of the acquirer that causes it to question the accuracy or reliability of the former owner's Exploration Results but the acquirer has not independently validated the former owners Exploration Results and therefore is not to be regarded as reporting, adopting or endorsing those results. The announcement is not otherwise misleading.