



# **Coziron Resources Limited (ASX: CZR)**

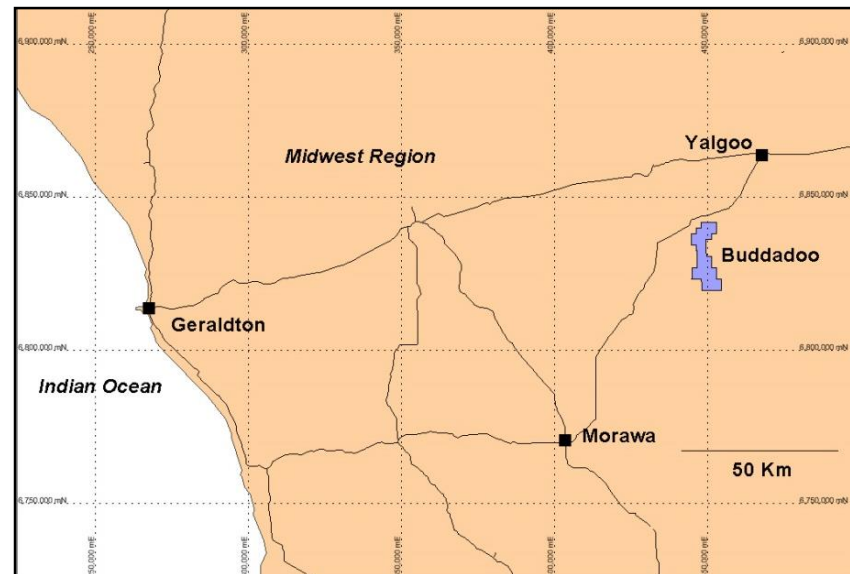
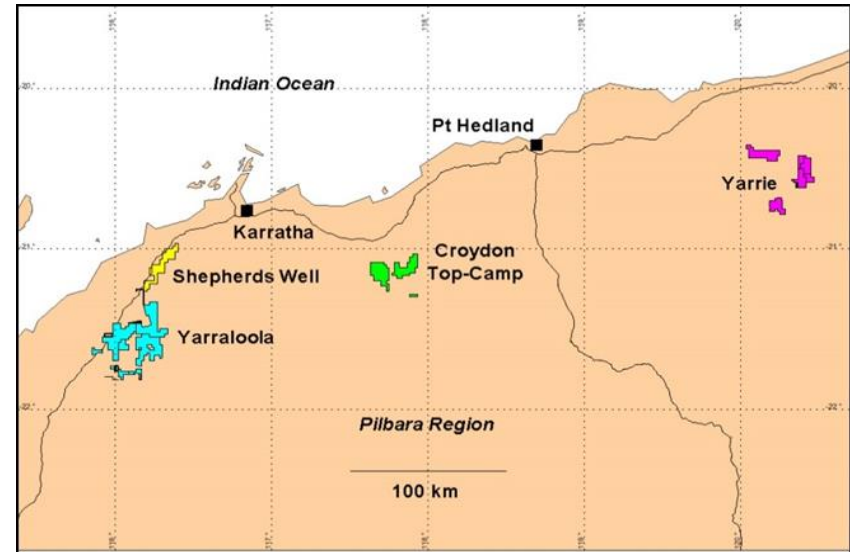
**Company Presentation**  
**April 2019**

# Advanced, Compelling & Development Ready

- Perth based, multi commodity exploration and development company housing Creasy Group assets.
- 5 Western Australian projects, all adjacent to current or proposed infrastructure, with drill-ready targets for new discoveries and prospects to rapidly advanced to JORC resources at Yarraloola and Buddadoo.
- Proven ability of team to deliver value at low cost is underpinned by Robe Mesa Deposit at Yarraloola with **JORC Resource containing a higher grade portion of 24.9Mt @ 56% Fe (calcining to 62.7%Fe)** CZR:ASX 8/2/2016.

- ❑ **Yarraloola** Iron Ore Project (85% CZR, 15% Creasy): magnetite mineralisation is ready for infill drilling and metallurgical studies that will contribute to the generation of a JORC resource
- ❑ **Croydon Top Camp**<sup>1</sup> Gold Project (70% CZR, 30% Creasy): drill ready targets for shear-zone gold and volcanic-hosted gold and base-metals
- ❑ **Buddadoo** Vanadium Project (85% CZR, 15% Creasy): proposed infill drilling on vanadium magnetite gabbro to establish maiden JORC resource.

<sup>1</sup> Croydon Top Camp Project under option to acquire 70% ownership for 40m CZR shares



## Capital Structure (15 April 2019)

Shares on Issue	1,785.55m
Share Price (ASX:CZR)	\$0.01
<b>Market Cap (undiluted)</b>	<b>\$17.86m</b>
Cash (31 Jan 2019)	\$0.06m
Creasy Group Convertible Debt <sup>1</sup>	\$2m
Directors Convertible Debt <sup>1</sup>	\$0.125m
Croydon Project option exercise Shares	40m

<sup>1</sup> Excludes accumulated interest

## Shareholders (pre debt conversion) %

Creasy Group	73.00%
Total top 20 holders	87.07%



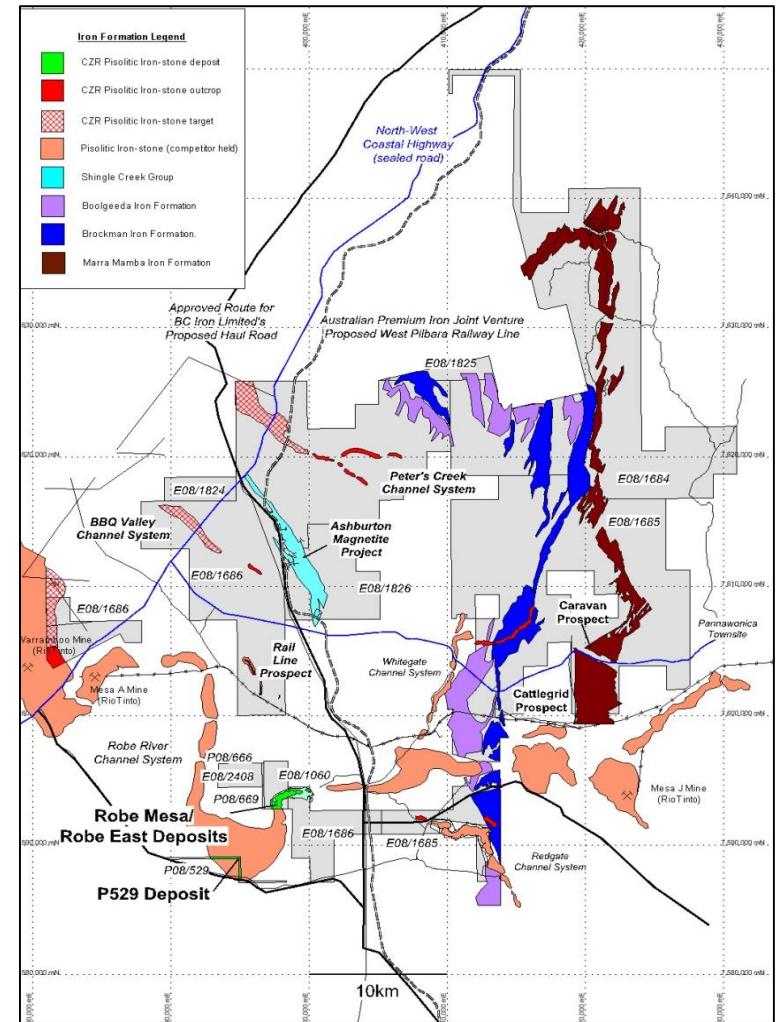
## Board

Adam Sierakowski	Chairman
Simon Jackson	Director
Rob Ramsay	Director
Stephen Lowe	Director

# Yarraloola Iron Ore Project

## Yarraloola:

- 988km<sup>2</sup> tenement package within 150km of Cape Preston East and 70km south of multi billion dollar Sino Magnetite Project.
- Bisected by embedded and emerging iron-ore transport infrastructure solutions and gas pipelines.
- +90Mt of Indicated and Inferred JORC-Compliant CID (channel iron-ore) resources discovered in the Robe Mesa, Robe East and P529 deposits about 150km by road to port at Cape Preston East (ASX:CZR 26/4/2017; 9/5/2017).
- Robe Mesa, Robe East and P529 deposits have opportunities to extend their resource envelopes by negotiated access.
- Ashburton magnetite is hosted by volcanic rocks that are not part of the Brockman Iron Formation but similar to the setting of the FMG Iron Bridge Deposit.
- Ashburton samples produce a high quality (>67% Fe) product at a coarser grain-size than material from the Brockman Iron Formation that is currently being processed by Citic Pacific and shipped through Cape Preston.
- Drill targets in Marra Mamba and Brockman Formations provide potential for Fe>60% in geological settings that host the regions largest and highest grade iron-ore mines.



Yarraloola Iron Formations and Targets

# Ashburton Magnetite

## Location

- Outcropping to sub-cropping magnetite mineralisation extends over an interval of 6km by 1km adjacent to proposed transportation corridors and within 5km of bitumen highway.

## Historical work and results:

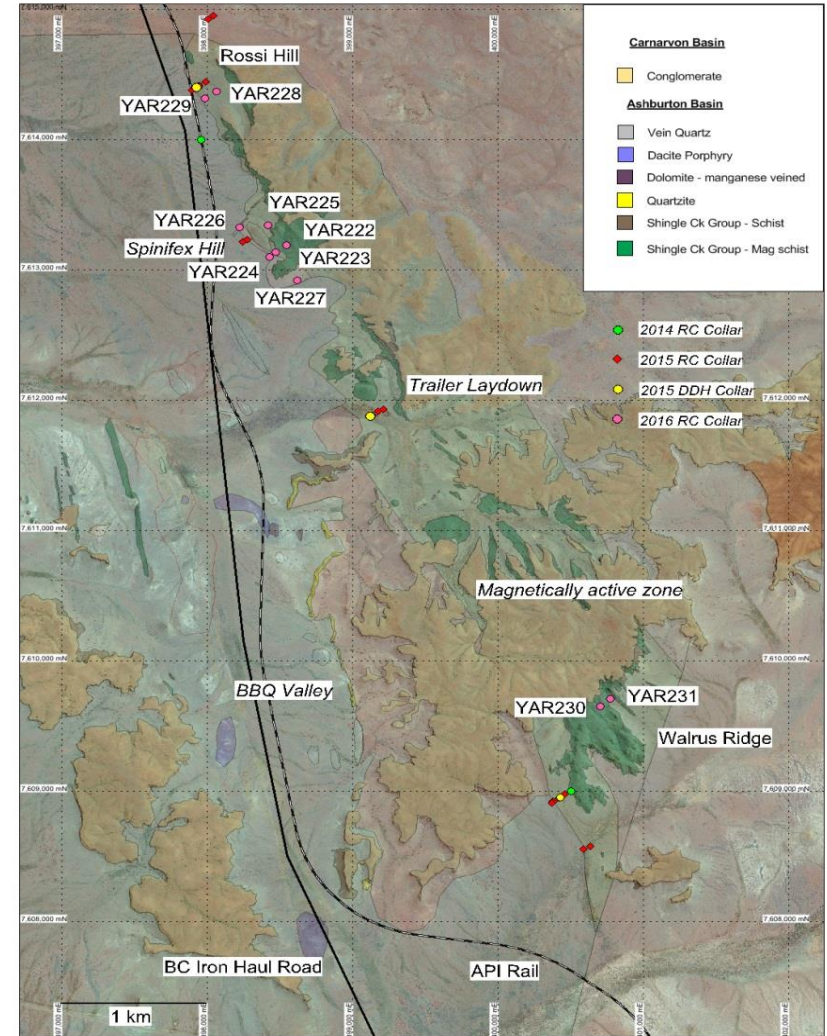
- To date, three programmes of exploratory inclined (-60°) RC drilling to 200m depth and one programme of three diamond holes for geology, geochemistry and mass-recovery.
- Spinifex Hill to Rossi prospects produce broader and more consistent results with 121m @ 26.4% Fe from 64m and 137m @ 28.3% Fe from 44m (YAR 223 and YAR227 respectively).

## Metallurgy

- Davis tube recovers up to 42% mass with Fe greater than 67% and SiO<sub>2</sub> less than 5% at a P80 of 22 microns.

## Work Programmes

- Gridded infill and extensional RC drilling with geochemistry and Davis Tube to contribute to development of a JORC compliant resource at Spinifex Hill to Rossi.
- Diamond drilling for core for a metallurgical study of the Spinifex Hill prospect.



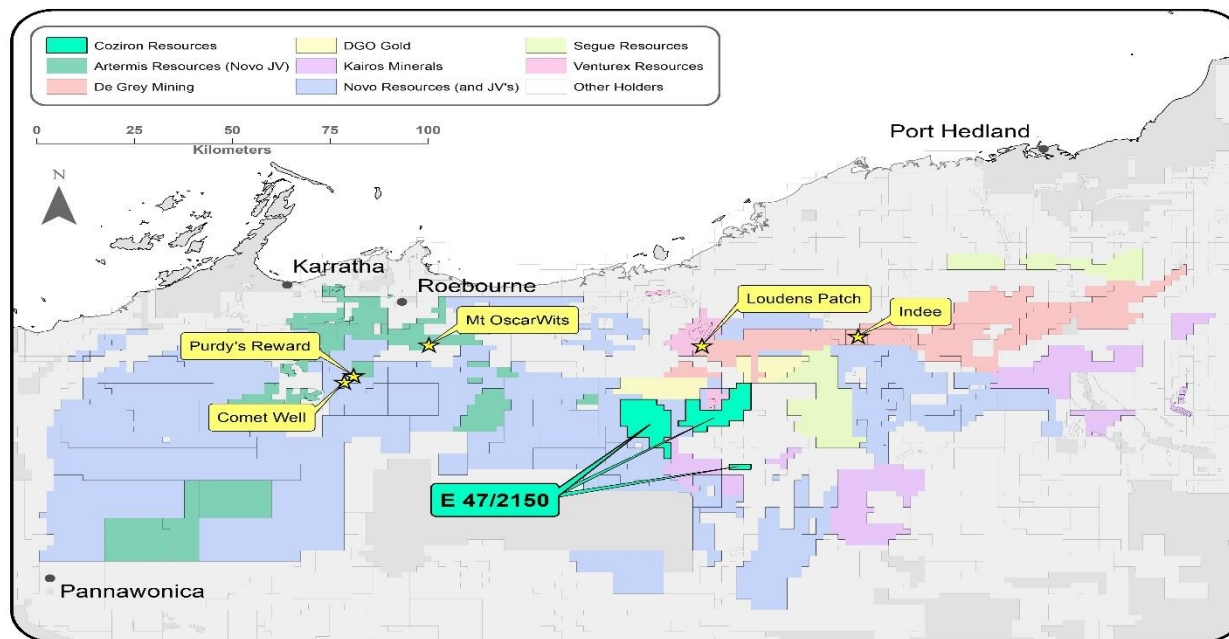
# Croydon Top-Camp Project

## Location

- 90km south-east of Karratha.
- Nearby projects have emerging gold inventories from structural gold geology with DeGrey Mining reporting 1.4 Moz @ 1.6g/t (ASX:DEG 29/10/2018; Calidus Resources, 1.25 Moz @ 1.83g/t (ASX:CAI 23/1/2019) and Millennium Minerals 1.16 Moz (ASX:MOY 4/2/2019)
- There is also a number of adjacent companies that continue to conglomerate style gold.
- Croydon Top-Camp project is centrally situated and shares geology for both styles of discoveries.

## Geology

- Covers two geological domains with prospectivity highlighted by exploration history and more recent geophysical and geochemical results.
- Eastern area has evidence of VMS mineralisation in volcanic greenstone-belt geology.
- Western area has had alluvial and eluvial gold production since 1886 and more recent geochemical results showing pathfinder-element anomalism along major faults cutting metasediments.



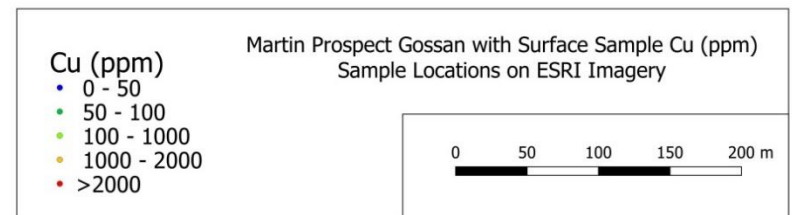
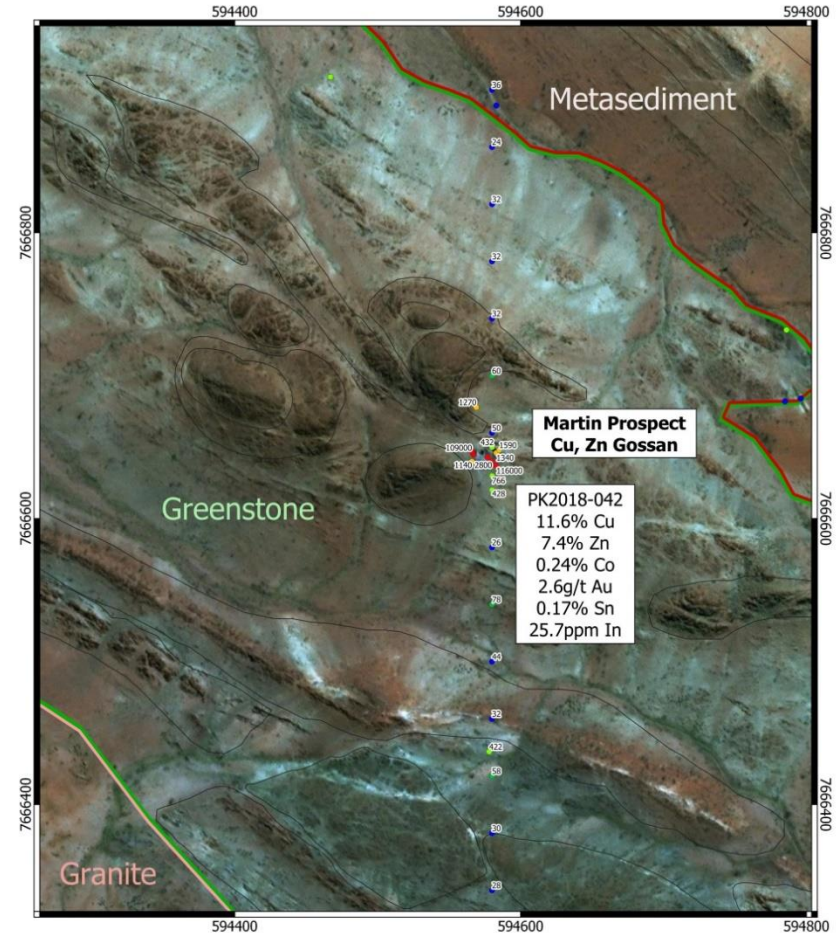
# Eastern CTCP VMS Targeted Exploration

## New Greenstone Belt

- 10km strike length of Greenstone Belt now delineated on Croydon Project as a zone of high prospectivity.
- Martin Prospect (ASX:CZR 6/12/2018) has a copper, zinc, gold-bearing gossan with other anomalous trace-elements reported from volcanic-hosted massive sulphide (VMS) systems.

## VMS Potential

- VMS deposits are often high grade, high value deposits that form in clusters in volcanic terrains.
- Area has had limited historical exploration and recent surface-sample geochemistry has identified priority VMS targets for drilling (ASX:CZR 6/12/2018).
- Other prospectivity includes gold and nickel in the greenstone belt and gold and lithium in granitic and felsic rocks that are intruding the greenstone belt.
- Martin Prospect is accessible and drill-ready for up to 500m of RC drilling



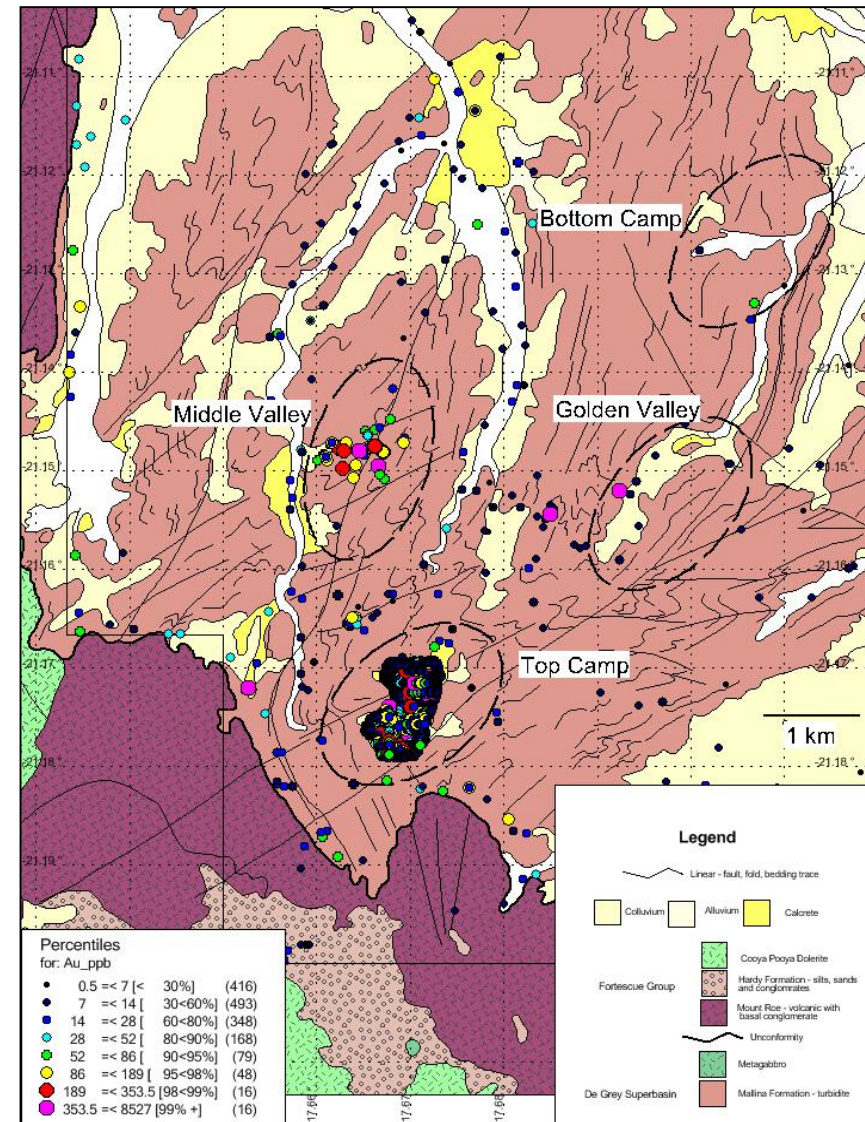
# Western CTCP Gold Exploration

## Historical Exploration Data Focusses Targeting

- Creasy Group exploration results generated excellent targets for follow-up gold exploration.
- 100km<sup>2</sup> area of predominantly sedimentary rocks in a basin with widespread evidence of gold prospector activity over an extended history.
- Top Camp and adjacent prospects are large-scale, with good access and **have reported gold (to 25g/t)** with pathfinder element anomalism in soil and rock-chips (ASX:CZR 10/10/2018; ASX:CZR 6/12/2018) .

## Structural Gold Focus

- Gold anomalism is present in areas where carbonate-rich rocks are cut by regional scale faults.
- Exploration is targeting high-grade sulphide-quartz veins in the faults and broad zones of replacement-style mineralisation in the adjacent carbonate-rich rocks.
- Top Camp area is ready for 2000m of first stage RC drilling, while other prospects are being infilled and upgraded to generate additional drill-targets.



Historical soil and drainage samples showing the distribution of gold.



# Buddadoo Vanadium Magnetite Project

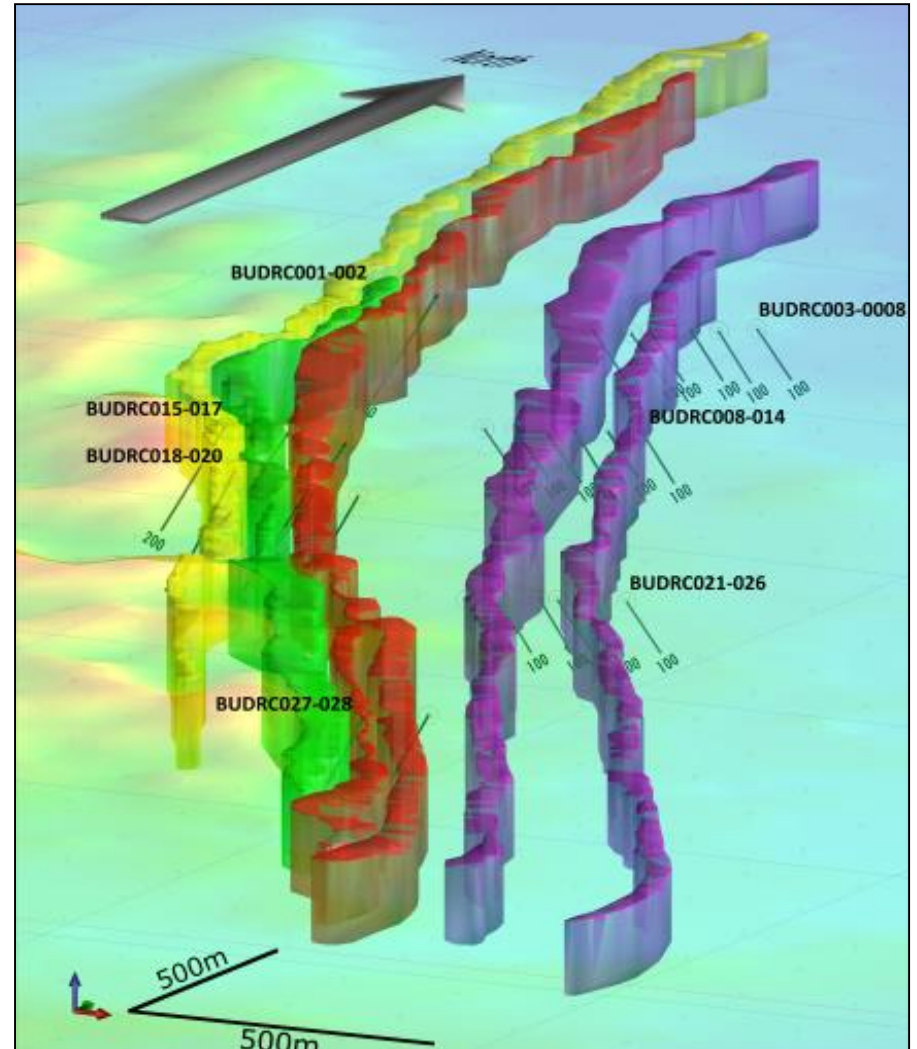
- Vanadium magnetite in 6km long by 300m wide gabbro and additional zones of mineralisation in adjacent rocks.
- Peer vanadium projects in Western Australia are more remote.
- Located only 180km from Geraldton Port, 45 km to Windimurra gas pipeline, 50 km to Karara mine rail spur or 60km to Guntha rail-siding underpin favourable project economics.
- Mineralisation outcrops, has minimal depth of weathering, coarse grainsize and mineralogy that assists magnetite recovery.
- Suitable for open pit mining followed by crushing, grinding and magnetic recovery of a vanadiferous magnetite concentrate.
- Product with low silica and alumina suited to direct shipping and market as either steel-pellet or roast-leach feed.
- Company is focussed on being a low CAPEX magnetite producer adjacent to road and rail transportation and a public access port.



Location of Buddadoo Project adjacent to port and rail infrastructure compared to peers

# Buddadoo Vanadium Magnetite

- Main Zone with bands of massive and disseminated magnetite intersected by 10 inclined (-60) RC holes to 200.
- Longest intercept is **188m @ 0.34% V<sub>2</sub>O<sub>5</sub> and highest grade intercept is 69m @ 0.39% V<sub>2</sub>O<sub>5</sub>** (both open at depth; ASX:CZR 3/5/2018).
- Eastern Zones with disseminated mineralisation are intersected by 18 inclined (-60) RC holes to 100m.
- Longest intercept is **88m @ 0.15% V<sub>2</sub>O<sub>5</sub> and highest grade intercept is 22m @ 0.47% V<sub>2</sub>O<sub>5</sub>** but many intercepts are open at depth (ASX:CZR 3/5/2018).
- Metallurgical results show -45 micron magnetite with **Fe from 66-68%, V<sub>2</sub>O<sub>5</sub> to 1.9% and TiO<sub>2</sub> less than 6%** as a potential feedstock for iron-ore pellets (ASX:CZR 7/2/2019).
- Next phase of work includes diamond and RC drilling, geochemistry and metallurgical test-work for the generation of a JORC resource and concentrate for marketing studies.



SURPAC model from the surface trace and drill intercepts showing the down dip projections of the Eastern Zones (purple) and Main Zones (red, green and yellow) of the vanadiferous magnetite mineralisation at Buddadoo.

# Upcoming Catalysts

## Drilling Ashburton magnetite

- Spinifex Hill – Diamond drilling for metallurgical test-work – Q3-19
- Spinifex Hill and Rossi – RC drilling to extend and infill the drill-grid and advance towards a JORC resource – Q3-19

## Drilling at Croydon

- Martin VMS prospect - Q2-19
- Top Camp Gold prospects - Mid-year.

## Advance Buddadoo towards JORC Resource and then marketing.

- Drilling - Q2-19
- Metallurgy - Q3-19
- Marketing - H2-19.

## Other projects

- Robe Mesa transport study commenced.

**CZR is a multi-commodity prospect incubator where effective low-cost and focussed exploration has the potential to convert any prospect into a company-maker.**



2018 RC drilling at the Buddadoo vanadium project

# Disclaimer & Competent Persons Statement

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## Competent Persons Statement

The information in this report that relates to mineral resources, exploration activities and 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 2012 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.