



HIGH-GRADE BASE METALS FOR THE CLEAN ENERGY ECONOMY



ASX:CRR | [CRITICALRESOURCES.COM.AU](https://criticalresources.com.au)

Investor Presentation
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COMPETENT PERSON STATEMENT

The information in this report that relates to exploration results and exploration targets is based on and fairly represents information compiled by Michael Leu, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy. Michael has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Michael consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

All parties have consented to the inclusion of their work for the purposes of this presentation. The interpretations and conclusions reached in this presentation are based on current geological theory and the best evidence available to the author at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for absolute certainty. Any economic decisions which might be taken on the basis of interpretations or conclusions contained in this presentation will therefore carry an element of risk.

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This release is authorised by the Board of Directors of Critical Resources Limited .

CORPORATE OVERVIEW

ROBERT MARTIN

Non-Executive Chairman

Currently Executive Chairman of Suvo Strategic Minerals Limited (ASX: SUV) Non-Executive Director for Parkd Limited (ASX: PKD) Mr Martin has more than 25 years' experience across a broad range of sectors including, mining, manufacturing, mining services and capital markets.

ALEX BIGGS

Chief Executive Officer

A Mining Engineer with experience at Venturex Resources, Palisade Capital Corporation, Barrick Gold as well as Principal positions in consultancy and advisory capacities. He also has experience in capital raising, both equity and debt as well as deal structuring and significant commercial expertise.

MICHAEL LEU

Non-Executive Director

An exploration geologist with more than 40 years' experience with Freeport, Getty Oil, Sovereign Gold Company, Queensland Ores, and Precious Metal Resources as well as academic positions teaching paleontology and geology at Macquarie University.

JEREMY WHYBROW

Non-Executive Director

An exploration geologist with more than 20 years' experience with Sons of Gwalia Ltd, PacMin Mining Corp Ltd, Teck Australia Pty Ltd, Mount Edon Gold Mines Pty Ltd and Croesus Mining.

JIHAD MALAEB

Non-Executive Director

A successful entrepreneur with more than 25 years business experience across marketing and distribution channels.

CAPITAL STRUCTURE

\$32m

MKT CAP at 2.9cps

\$1.5m

CASH at June 2021

1.1Bn

SHARES ON ISSUE



WHY CRITICAL RESOURCES?

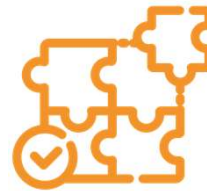
Targeting the clean energy and critical resource economy

Zn

Pb

Cu

Ag



PROBLEM

Increasing demand for critical metals compounded by stagnating mine supply and increasing consumption



SOLUTION

Supply of critical metals from high quality, high potential assets for evolving industries and products



OUR BUSINESS

Exposure to critical metals through exploring high quality assets with significant scale potential

Demand for Critical Minerals

The clean energy economy is driving demand for a range of metals in a range of applications

Critical minerals for critical technologies

					
Cu Copper		✓	✓	✓	✓
Pb Lead					✓
Ag Silver	✓	✓			✓
Zn Zinc	✓				✓

Source: BofA Global Research as at 31 Jan 2020

Metal intensity in energy technologies

	Copper	Zinc	Lead	Silver
Coal/ Gas				
Nuclear				
Hydro				
Geothermal				
Onshore Wind				
Offshore Wind				
Solar PV				
Concentrated Solar				
Energy Storage				
CCS				

Source: Morgans Financial July 2021

HALLS PEAK BASE METAL PROJECT

Highlights

Zn

Pb

Cu

Ag



Right geological setting for large scale massive sulphide mineralisation



Historically shallow mining and exploration - no exploration beyond 200m depth



Potential to host large scale SEDEX style deposit



VTEM conductor setting analogous to McArthur River deposit



Upcoming drill program to test geophysical targets at Gibsons and Sunnyside



Strong geophysical targets identified from VTEM survey

HIGH-GRADE BASE-METALS IN NSW

NEW ENGLAND FOLD BELT - MASSIVE SULPHIDE POTENTIAL

Halls Peak Project

- Located in prolific New South Wales base-metal region close to historic and currently producing mines
- Historic, small-scale mining at Halls Peak
- Previous project drilling intersected:

37.2m @ 8.7% Zn, 3.0% Pb, 85g/t Ag, 1.4% Cu¹

11.3m @ 15.18% Zn, 8.02% Pb, 597g/t Ag, 1.61% Cu²

11.2m @ 19.71% Zn, 10.77 % Pb, 134.96 g/t Ag, 0.8% Cu³

- Initial planned 17-hole ~4,000m drilling program to target base-metal hosted massive sulphide mineralisation at the **Gibson** and **Sunnyside** prospects
- Market spotlight on lead-zinc projects such as Earraheedy owned by Rumble Resources⁴
- Targeting large-scale SEDEX type deposit

¹ASX Announcement - Precious Metals Resources [03 Jan 2014]

²ASX Announcement- Force Commodities [15 Dec 2016]*

³ASX Announcement - Force Commodities [29 Dec 2016]*

⁴ASX Announcement - Rumble Resources [19 Apr 2021]

*Force Commodities is now Critical Resources



TWO DRILL-READY PROSPECTS

PLANNED EXPLORATION FOR GIBSONS AND SUNNYSIDE

Gibsons

- Planned 14 holes (2,500m)
- Geophysical data has identified deeper potential massive sulphide targets
- Deeper holes to be surveyed by DHEM to identify further extensions of mineralisation at depth
- Previous exploration in 2016 identified high grade massive sulphides
- Holes are designed to confirm near surface mineralisation and deeper SEDEX potential to a maximum depth of up to 500m

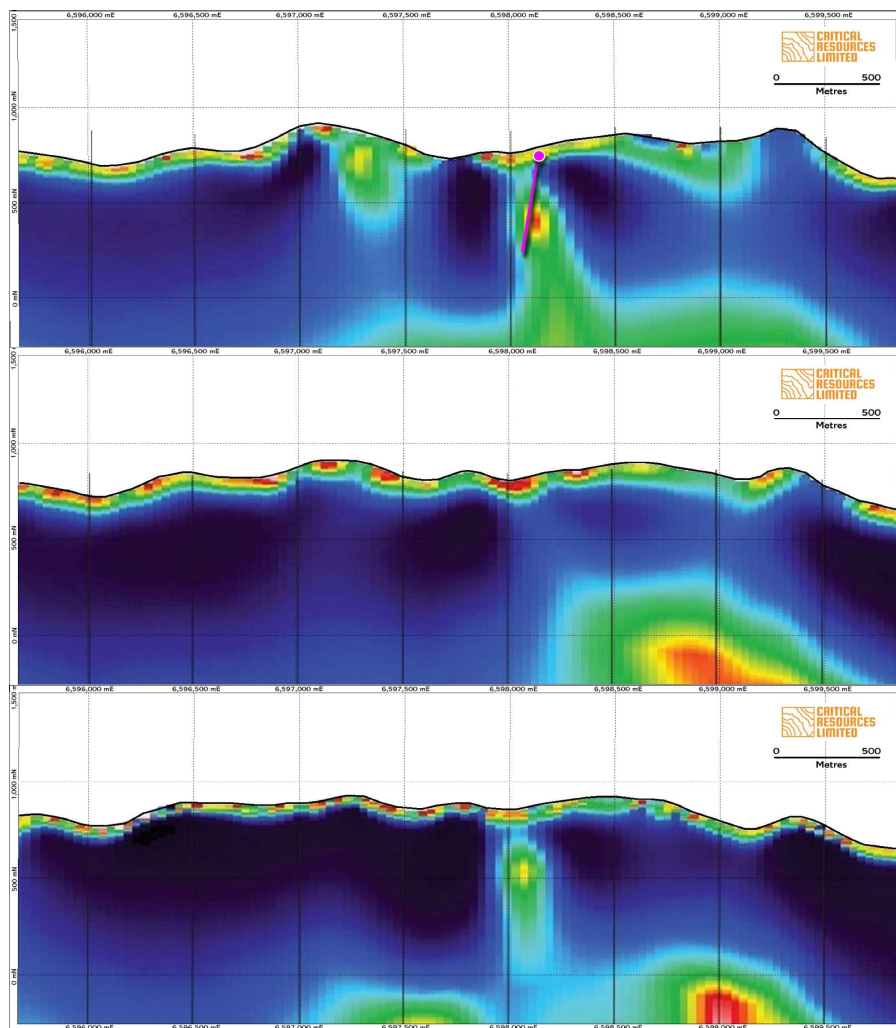
Sunnyside

- Planned 3 holes (1,700m)
- Large scale SEDEX target identified with no previous exploration
- A total of three new targets identified through re-interpreted VTEM survey

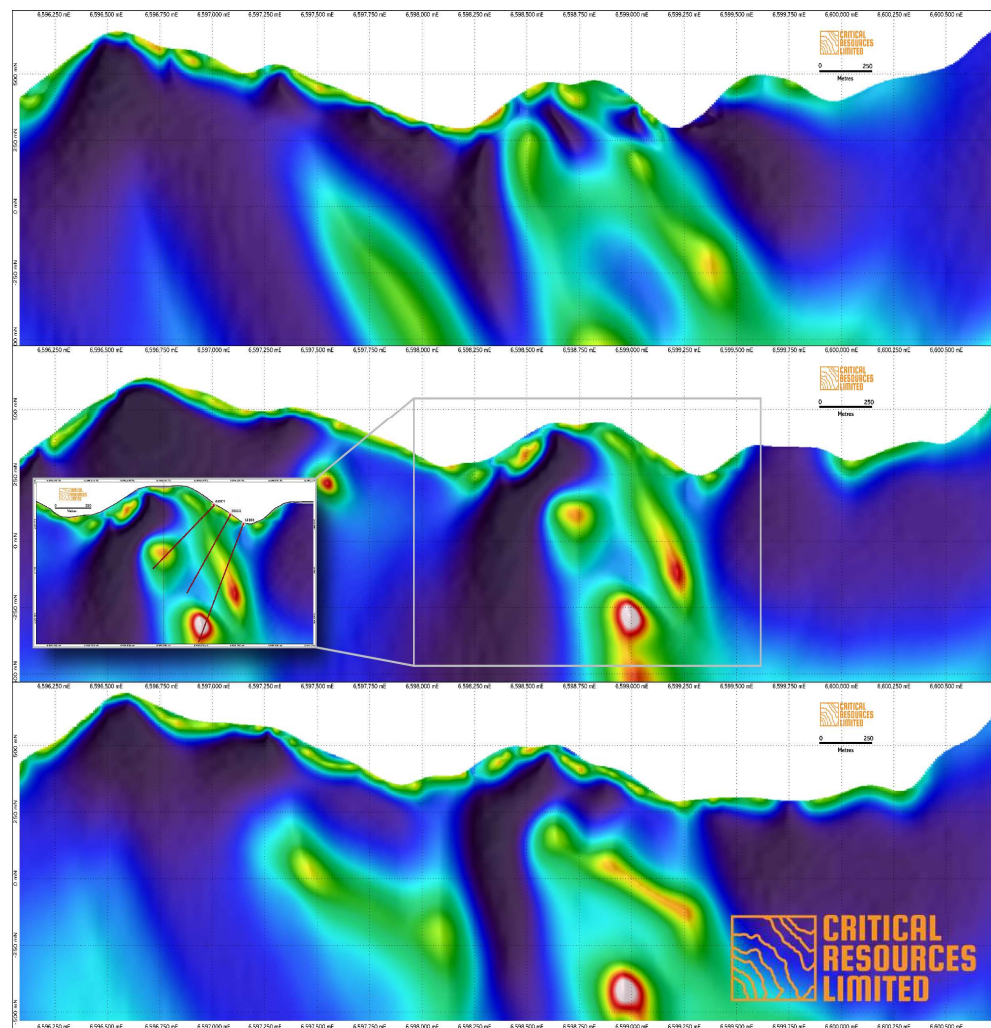
"The deeper exploration at Sunnyside provides the opportunity to begin understanding the larger Halls Peak system. Combined with the Gibsons drill program we expect to begin to delineate a significant base metal resource that will potentially prove transformational for the company and its shareholders."

- CEO Alex Biggs

GIBSONS TARGETS



SUNNYSIDE TARGETS



BLOCK 4 AND 5 COPPER PROJECT - OMAN

Highlights

Cu

Located 2.5 hours drive from Dubai (United Arab Emirates), 2 hours from Muscat (Oman capital)



Low-cost operating region



Well developed road, power and port infrastructure



Mining activity expanding in the area



Local Copper concentrator and smelter



Multiple copper projects in region

A High-Grade Copper Asset with Near Term Development Potential

An opportunity to take a strategic land position in an established mining province in Oman

Key Highlights

Commodity

Copper

Projects

Maqail (120kt @ 4.2% Cu)¹,
Mahab 4 (700kt @ 3.3% Cu)¹

Drilling Highlights

55m @ 6.32% Cu
from 63m at
Mahab¹

Metallurgy

>90% recovery, >20% Cu
concentrate. Standard milling
and flotation process flow sheet

Location

Sohar, Oman

Access/Infrastructure

Concentrator within 50km,
Deep water port, Roads, Power,
Multiple mining operations

JORC 2012 Resource

819kt @ 3.4% Cu for
28kt Cu metal²

Ownership

Block 4 (51%), Block 5 (65%),
Exploration near Block 10 (70%)

¹ASX Announcement - Force Commodities [01 Sep 2020]*

²ASX Announcement - Force Commodities [04 Nov 2020]*

*Force Commodities is now Critical Resources

Project Area & Jurisdiction

- Block 4 (403km²), Block 5 (598km²)
- Located 40km south of Sohar, Oman
- Cu rich Ophiolite Belt
- Low fuel and labour costs
- Oman government keen to attract foreign investment
- Cheap debt funding opportunities through government

Copper Market

- Cu price doubled in last 12-months
- EV and green energy applications driving prices
- Economic boom post COVID

Geological Setting & Targets

- Cyprus style VMS deposit
- Located on contact of Geotimes and Lasail Basalt flows
- Forms part of Samail Ophiolite of North Eastern Oman
- Multiple VMS deposits in region
- Supergene enriched zones demonstrate high-grade

Project Development Opportunities

- Near term low capex development
- Headline exploration grades
- Multiple targets
- Multiple partnership/JV opportunities
- Critical infrastructure in place



2012 JORC COMPLIANT RESOURCE ESTIMATE

- Cyprus style VMS deposits
- Measured, Indicated and Inferred Mineral Resources located in Block 5 contain 0.8Mt at 3.4% Cu (JORC 2012)¹
- 1,001 km² granted Exploration Licences
- Consistent high grade
- Simple geometry close to surface
- Simple metallurgy with no penalty elements
- Located in close proximity to existing roads, power and water infrastructure

Mahab 4 and Maqail South (Block 5) Total Mineral Resource Estimate 0.5% Cu Cut-off¹

Classification	Ore Tonnes	Cu	Au	Ag	Cu	Au	Ag
	Tonnes	%	g/t	g/t	Tonnes	Ounces	Ounces
Measured	307,000	5.3	0.3	14	16,300	3,000	143,000
Indicated	279,000	3.6	0.3	8	10,000	2,700	70,000
Inferred	234,000	0.7	0.02	1	1,700	200	6,000
Total Project	819,000	3.4	0.2	8	28,000	5,900	220,000

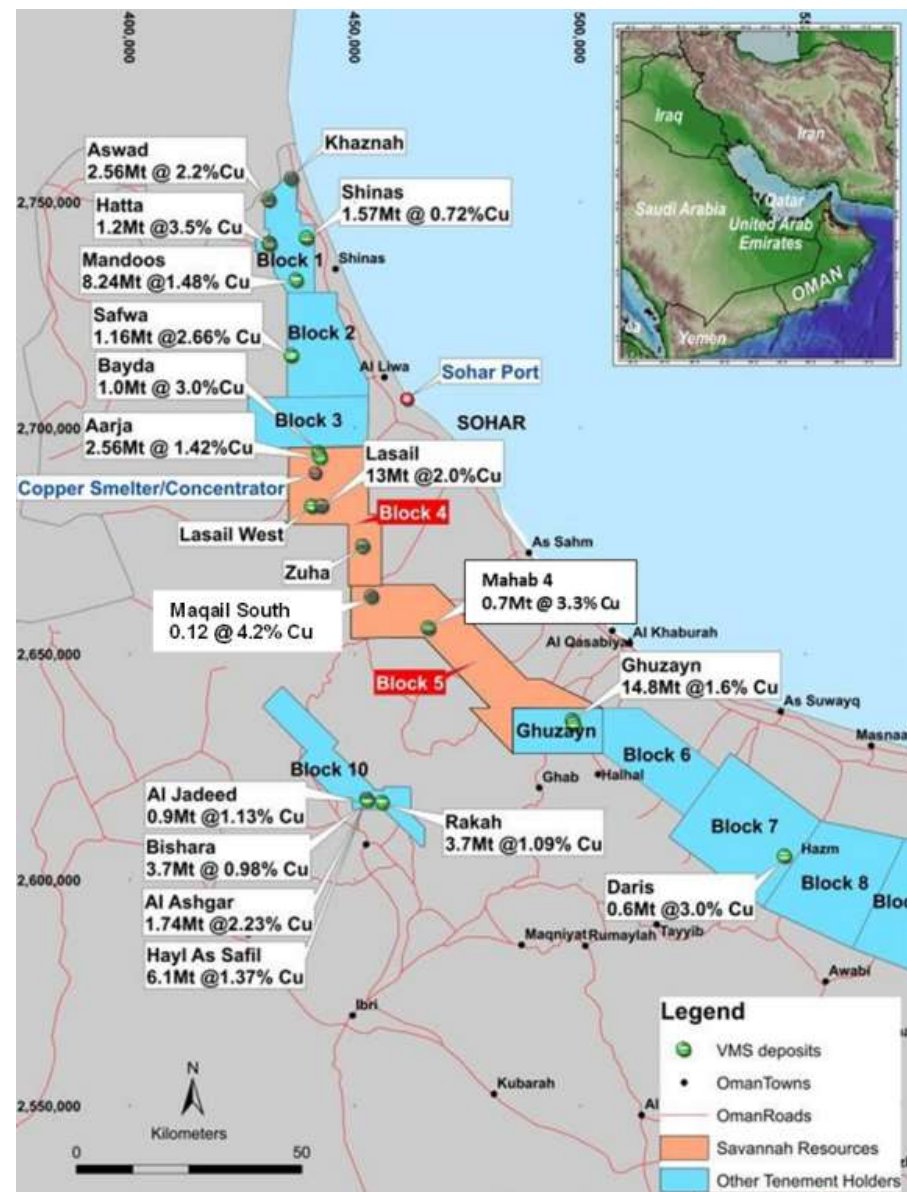
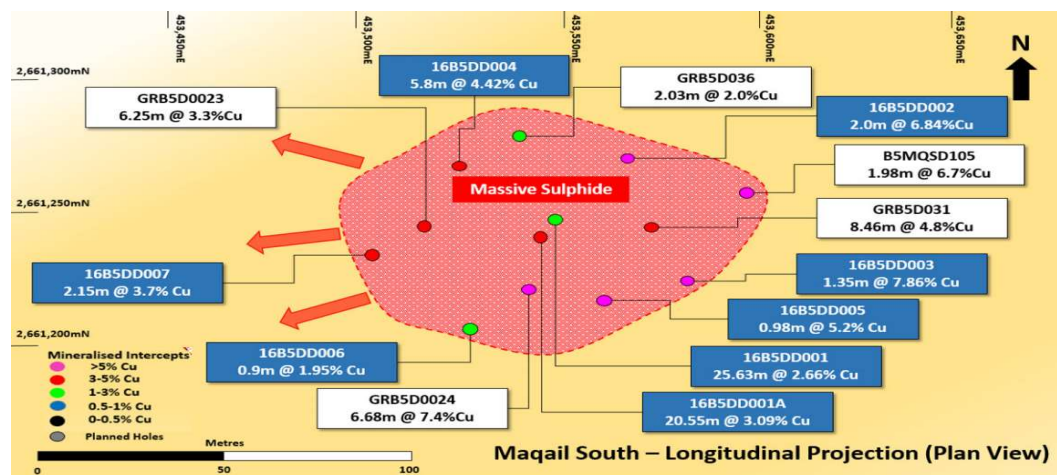
¹ASX Announcement - Force Commodities [01 Sep 2020]*

*(Force Commodities is now Critical Resources)



Oman - Block 4 and 5

Oman - Block 4 and 5



SUMMARY



Strong Base & Critical Metal Markets

Base metals and critical minerals markets are strong. Entering metals super cycle combined with post COVID recovery lends to strong markets into the future



High Quality Asset Base

High quality assets in key commodities. Halls Peak presents transformational opportunity for the company due to target potential



New Management Team

New, dynamic management team brings experience from operations, corporate, exploration and commercial. All the ingredients required for company growth



Focused Growth Strategy

Clear strategy to define high-quality exploration targets, increase the value proposition of the business and drive shareholder value



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Zn

Pb

Cu

Ag