



R3D Resources Limited | ACN: 111 398 040 | ASX: R3D

169 Blues Point Road, McMahons Point NSW 2060 Australia | Tel: +61 2 9392 8032

8 March 2022

Exploration to Accelerate after Wet Season

HIGHLIGHTS

- **High impact exploration drilling of several targets to commence following north Queensland wet season**
- **Drilling to commence in April 2022**
- **Key targets include Queen Grade zinc project at Tartana, Bellevue OK Mine copper target and the large Beefwood IRGS gold targets**
- **Drilling expected to be completed by AED Pty Ltd and Western Drilling Services**
- **+50% of drilling costs by Western Drilling Services to be paid in R3D shares at VWAP or minimum 20 cents per share**
- **Elsewhere, on-site consultant review of refurbishment plans for the Tartana copper sulphate plant conducted last week (forthcoming update) and a 20,438 tonne Zeehan zinc slag shipment departed Burnie Port over the weekend.**

R3D Resources Limited (ASX:R3D), a significant copper-gold explorer and developer in the Chillagoe Region in North Queensland, is pleased to announce that it is finalising the programme for exploration activities to commence after the current wet season in North Queensland.

Activities to include drilling key targets identified during the Falcon gravity / magnetic survey conducted last year and this continues R3D's strategy of drilling high impact targets which included drilling the IP anomalies on the Tartana leases late in 2021.

Priority targets are:

- **Tartana Queen grade zinc project where previous drilling intersected 33 metres (m) @ 12% Zn and remains open at depth. This is at a time when R3D's neighbour Aurora Metals Limited has restarted production from the King Vol mine and the Mungana processing plant.**
- **The Ok Mines Copper target on the Company's Bellevue Project leases. Previous drilling intersected 24.4 m at 2.05 % Cu and 0.59% Zn in OK Mines project within a massive sulphide lens open at depth. This also coincides with a large gravity anomaly and potentially associated haematic breccia alteration.**
- **The Beefwood geophysical anomaly defined by a gravity anomaly, a surrounding magnetite destruction zone and surface sampling returning up to 272 g/t Au.**

Commenting on the programme, R3D Managing Director Steve Bartrop said: “Our proposed exploration represents an exciting programme with potential to extend existing mineralisation as well as make new discoveries. This is on a background of our refurbishment of the copper sulphate plant with civil works expected to start soon and forecast commissioning in the Q3 CY2022.”

Queen Grade Zinc Project

The Queen Grade Zinc Project covers a separate zone of zinc-rich skarn mineralisation which outcrops as discontinuous gossan with a strike of over 300 m on a chert-dominated ridge. It is located northwest of the open pit and is within the Tartana mining leases.

Previous drilling has return highly encouraging intersections including:

- TDH 15: 33 m @ 12 % Zn
- TDH 22: 6 m @ 12.8% Zn
- NARC17: 60 m @ 3.7% Zn including 14 m @ 7.7% Zn

These intersections are encouraging and with the potential for significant depth extension as demonstrated by nearby King Vol mineralisation (extends to around 900 m depth), suggests that Queen Grade represents a high-quality target with scope for delineating a significant zinc target.

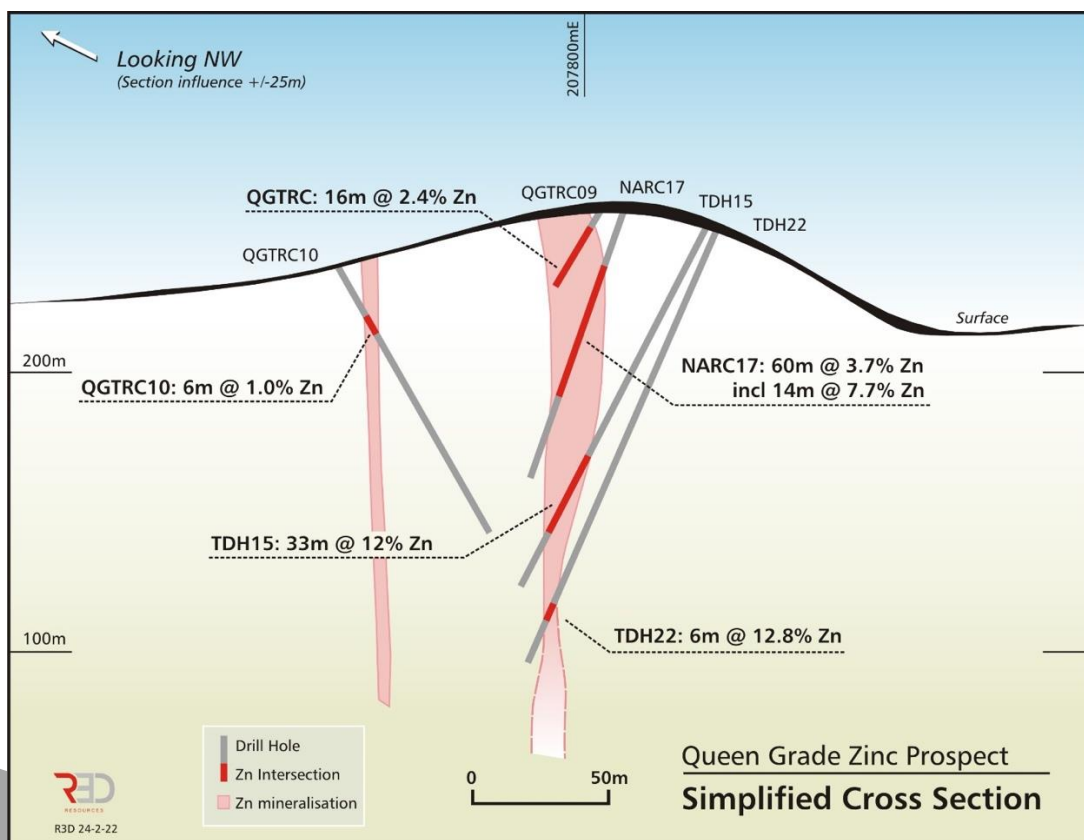


Figure 1 – Simplified cross section through the Queen Grade Zinc Project. For JORC 2012 Code section 1 & 2 tables, see Appendix A of the Independent Geologist's Report contained in the Prospectus dated 26 May 2021, available on www.r3dresources.com.au.

SRK has estimated a JORC 2012 compliant open pit conceptual Exploration Target for Queen Grade to a depth of 100 m below the oxide. Importantly the current drilling can upgrade the previous drilling to JORC 2012 standards as well as potentially increasing the depth of the target.

Queen Grade Zinc Open Pit Exploration Target*	Tonnage		Zinc Grade		Contained Zinc	
	Low (Mt)	High (Mt)	Low	High	Low (t)	High (t)
	0.3	3.0	4%	10%	11,000	290,000

*The potential quantity and grade is conceptual in nature, and there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource. Tables 1 & 2 JORC 2012 are available in Appendix A of the Independent Geologist's Report (Appendix C).

Figure 2 – Queen Grade Exploration Target.

The Company has completed flotation testwork (on a composite sample from drill hole TDH 22). Independent consultant, Core Resources Pty Ltd reports high zinc recoveries of >98% to a concentrate grading 42% zinc from its initial rougher flotation testwork. The sample tested was from a 5 m section of TDH 22 assaying 16.1% Zn, 0.25% Cu and 0.57% Pb.

Flotation kinetics were fast with recoveries achieved in two minutes in the laboratory tests at a primary grind of 80% passing 75 microns. Work is ongoing with regrinding and cleaning testwork along with analysis of zinc concentrates for any impurity elements.

In summary, Queen Grade is a quality zinc target on the existing Tartana mining leases and drilling is a high priority in the forthcoming field season.

Ok Mine Copper Target, Bellevue Exploration Project (EPMs 27304 & 25970)

The Ok Mine was discovered in 1901 by prospector John Munro who named the site OK, reputedly after an empty OK jam tin. Mineralisation occurs along a 2 km folded and faulted basalt – chert horizon identified at surface by Cu-oxide enriched gossans and includes the OK North, main Ok Mine and Ok South prospects.

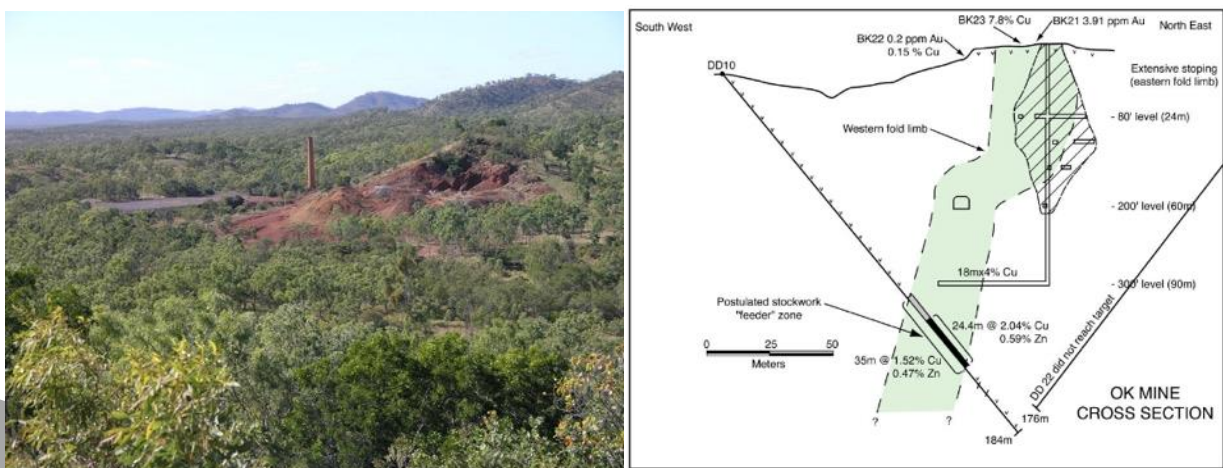


Figure 3. 3(a) Historic Ok Mine site including copper smelter chimney and slag heap. 3(b) Ok Mine cross section. See R3D Prospectus dated 26 May 2021 for further information.

Historical mining at main OK Mine involved an open cut mine into the hillside followed by underground development to approximately 60 m below surface. The orebody is reported to be copper rich carbonate ore due to supergene enrichment near the surface with grades around 20% Cu and grades decreasing to 4% - 7% Cu below the 45 m level (Mine Department; Queensland Government Mining Journal; Jack, 1907). The primary ore consisting of a stockwork zone of pyrite, chalcopyrite and sphalerite within both siliceous and chloritic basalt and is found between the chert limbs of a steeply plunging ~ 80° syncline.

The OK Mine mineralisation has been previously interpreted as being volcanic massive sulphide style mineralisation associated with the OK Member of the Hodgkinson Formation. However, R3D believes that this mineralisation may be epigenetic rather than representing the remobilisation of mineralisation deposited on a seafloor.

Evidence of an epigenetic origin includes the extensive haematic breccia alteration which could indicate that mineralisation may have affinities with IOCG (iron oxide copper gold) deposits. Another line of evidence is reflected in the geophysics and R3D flew a Falcon gravity/magnetic survey last year (see ASX announcement 30 July 2021). The Company commissioned a review of the geophysical data by Geodiscovery Group which identified several areas of high gravity and potential magnetite destruction zones in proximity to the Ok group of mines. These gravity ‘highs’ could correspond to mineralisation associated with haematitic breccias.

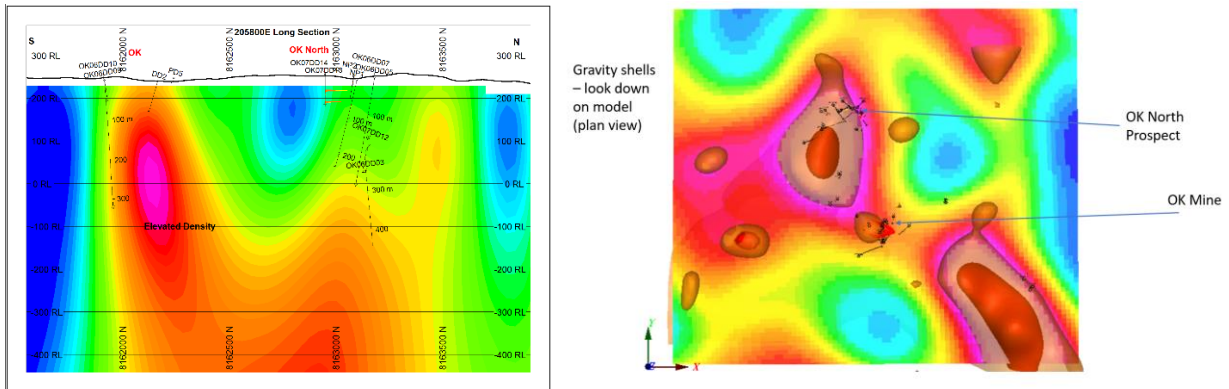


Figure 4. Areas of elevated density in proximity to the OK mineralisation. 4(a) Long Section. 4(b) Plan View. Note: the Ok Mine and OK North prospect are approximately 1 km apart.

The Falcon Survey has also identified an east dipping structure which may be a felsic dyke or mylonite. This structure appears to cross cut the complex stratigraphy evident at surface and maybe also be the source of mineralising fluids which have deposited along the basalt contact.

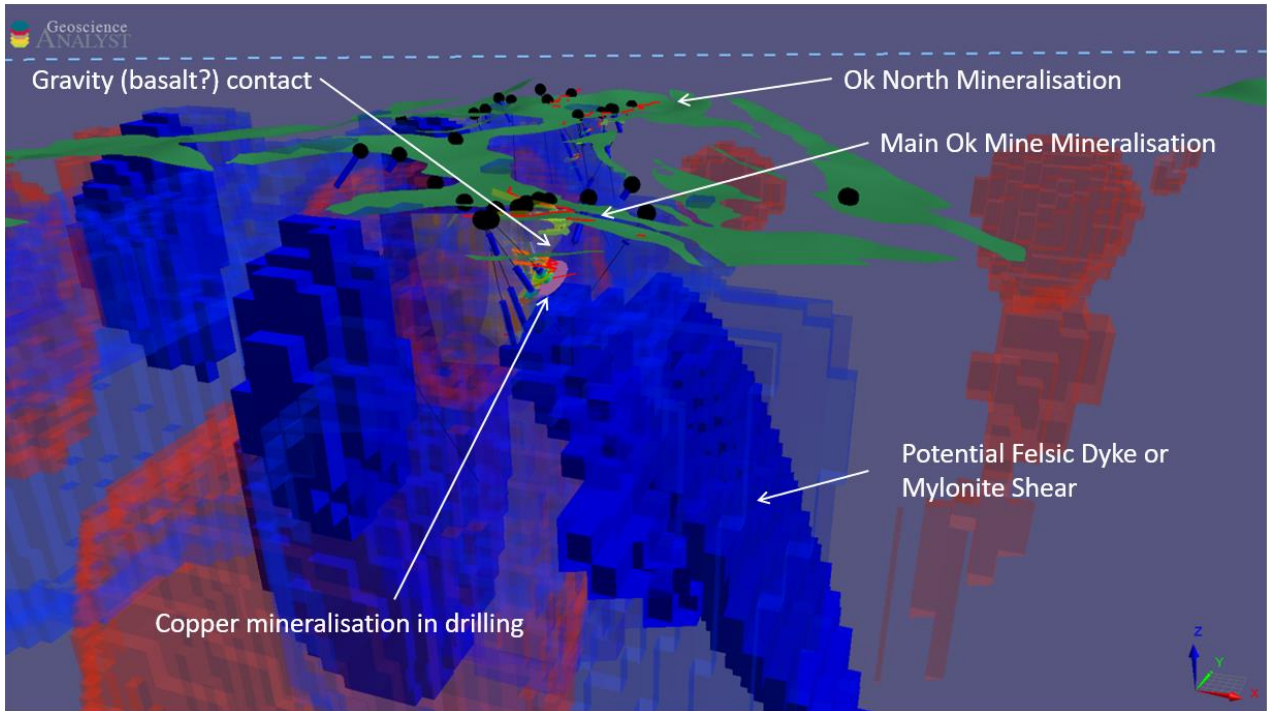


Figure 5. Potential east dipping felsic dyke or mylonite shear which intersects the basalt contact near surface and which may be a source of the mineralising fluids. Note: The Ok Mine and OK North prospect are approximately 1 km apart.

R3D is planning exploration drilling to test both targets.

Beefwood/Bulimba Projects

The Beefwood/Bulimba Projects cover more than 1250 km² of prospective tenements west of the Tartana mining leases. The area has been previously considered difficult to explore due to the depth of overlying cover but with the discovery of recent outcropping basement suggests that this impediment may not be valid.

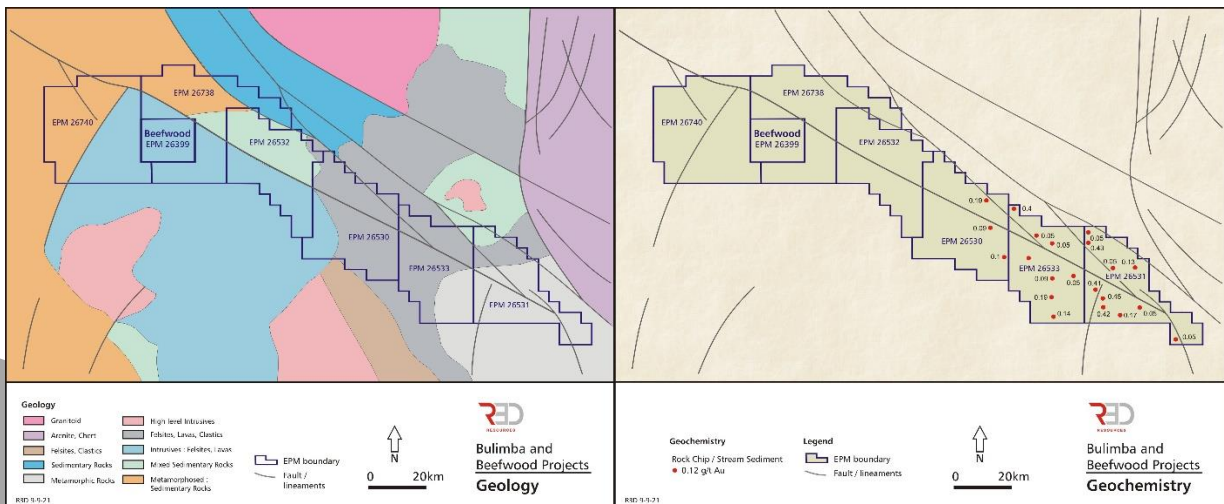


Figure 6. Beefwood/Bulimba (6a) Geology and (6b) Geochemistry.

R3D flew a Falcon Gravity/Magnetic survey in 2021 covering the Beefwood and adjacent Bulimba tenements as reported to the ASX on 3 August 2021. The Falcon survey has identified a number of key exploration targets which potentially represent intrusion-related gold systems (IRGS). These are large scale targets as outlined in Figure 7.

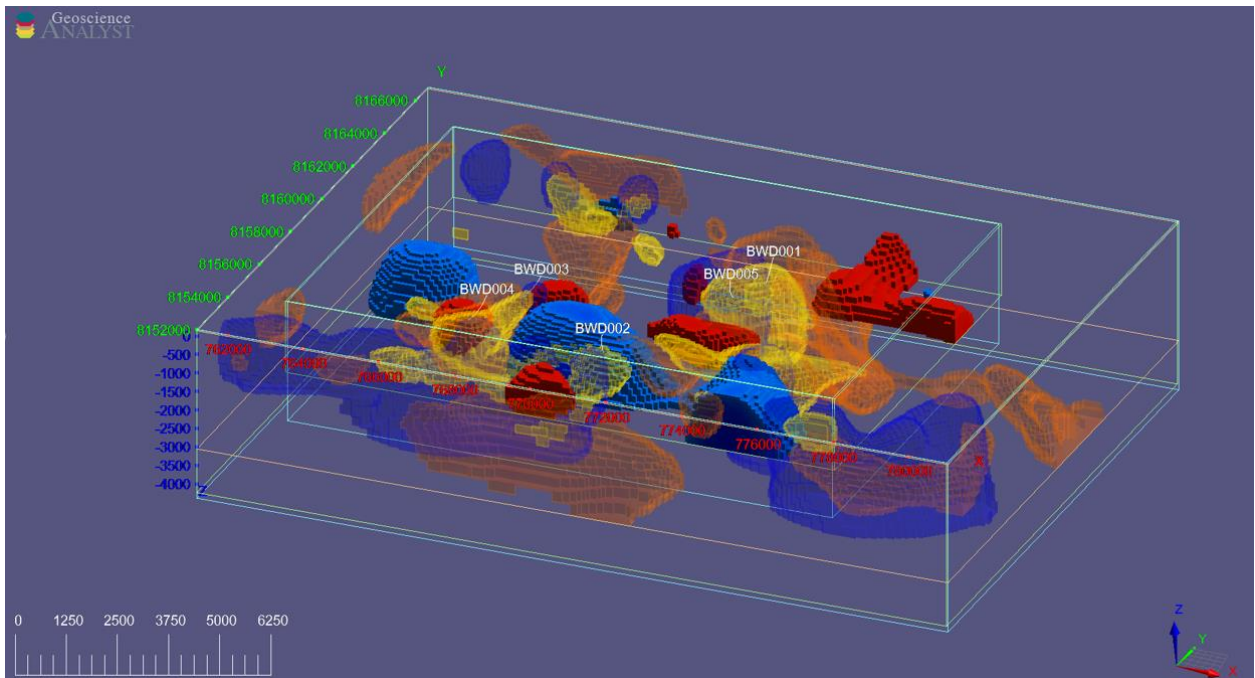


Figure 7. Drill targets on the Beefwood project.

Figure 8 outlines an interpreted cross section through the Beefwood project showing targets and potential drill paths to test these targets.

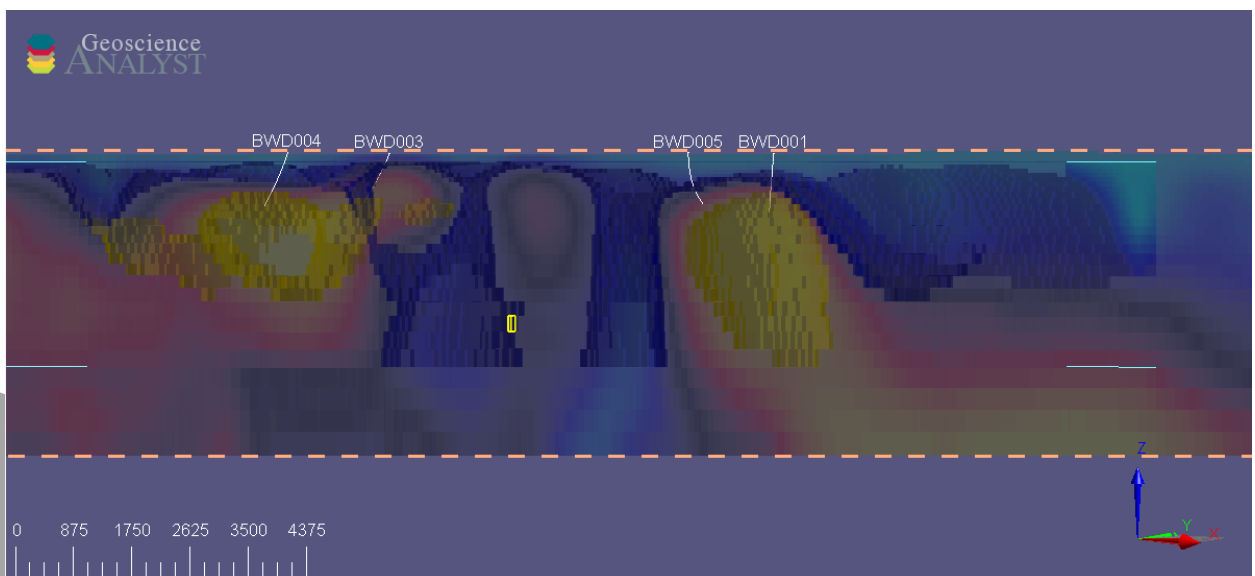


Figure 8. Interpreted Beefwood cross section showing targets and potential drill paths



At the Beefwood project, the Company is planning a Helitem survey to cover previously identified targets from the Falcon survey, as well as on the eastern Bulimba tenements. This survey is expected to be conducted in mid-2022.

This announcement has been approved by the Board of R3D Resources Limited.

Further Information:

Stephen Bartrop
Managing Director

R3D Resources Limited

M: + 61 408 486 163

P: + 61 2 9392 8032



About R3D Resources Limited

In July 2021 R3D Resources Limited acquired Tartana Resources Limited, a significant copper-gold explorer and developer in the Chillagoe Region in Far North Queensland. R3D owns several projects of varying maturity, with the most advanced being the Tartana mining leases, which contain an existing heap leach – solvent extraction – crystallisation plant. Work has commenced to restart this plant to provide future cash flow through the sale of copper sulphate. In Tasmania, Tartana has secured permitting to excavate and screen for export low-grade zinc furnace slag/matte from its Zeehan stockpiles in Western Tasmania and is shipping zinc slag to South Korea. These two projects have the potential to generate a cash flow to underpin the R3D's extensive exploration activities in the Chillagoe region.

Competent Person's Statement

The information in this announcement that relates to Exploration Results is based on information compiled by Mr Wayne (Tom) Saunders who is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM), and a Member of the Australian Institute of Geologists (AIG). Mr Saunders has sufficient experience that is relevant to the styles of mineralisation and types of deposit under consideration, and to the activity that is being 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.' Mr Saunders is an employee of R3D Resources Limited, and consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Disclaimer Regarding Forward-Looking Statements

This ASX announcement contains various forward-looking statements. All statements, other than statements of historical fact, are forward-looking statements. Forward-looking statements are inherently subject to uncertainties in that they may be affected by a variety of known and unknown risks, variables and factors that could cause actual values or results, and performance or achievements to differ materially from the expectations described in such forward-looking statements. R3D does not give any assurance that the anticipated results, performance or achievements expressed or implied in those forward-looking statements will be achieved.