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16 August 2021

Driller Secured to test Tartana Copper Targets

Highlights

- 1,500 m diamond drilling program at the Tartana Mining Leases.
- Planned testing of two large and high tenor IP anomalies (both >50 mV/V [chargeability] and distinct low resistivity [high conductivity]), which have never been drill-tested.
- Western Division Drilling engaged to conduct drilling and seeking a minimum of 50% to be paid in R3D Resources shares to be escrowed for 12 months.
- Drill rig proposed to remain on site during the wet season ready for rapid restart following results of the recent Falcon gravity/magnetic surveys conducted over Bulimba, Beefwood, Bellevue and Dry River Projects.

R3D Resources Limited (ASX: R3D) (**R3D Resources** or **Company**), a significant copper-gold explorer and developer in the Chillagoe Region in North Queensland advises it has secured the services of Western Division Drilling (**WDD**) to provide a drill rig for the Company's exploration activities.

Upwards of 50% of the drilling costs will be paid in shares set at the 7-day VWAP prior the commencement of each drill hole, subject to a minimum issue price of 20 cent share price and all shares are to be escrowed for 12 months.

Dr Stephen Bartrop, Managing Director, said:

"R3D Resources has identified two major IP anomalies which will be tested in the current program. These are exciting targets as where the IP anomaly overlaps with previous drilling below the pit, it tends to correspond to higher grade mineralisation, suggesting the IP is mapping copper mineralisation.

"The arrangements with Western Division Drilling strongly align with the program outcomes. Not only does it preserve cash but also highlights WDD's confidence in the quality of R3D Resources' targets.

"R3D Resources is in a strong position to test the Tartana copper and gold targets as well as emerging targets at Bellevue, Beefwood and Bulimba from the recent Falcon Gravity/Magnetic surveys. Hence, this is the first stage of a drill program which meets the Company's strategy of identifying and testing large targets."

Drilling is scheduled to commence before the end of August and continue through to the start of the wet season.

Background: Tartana Copper Targets

The Tartana mining leases are owned by Tartana Resources a 100% owned subsidiary of R3D Resources. The mining leases are located 40 km northwest of Chillagoe, QLD and contain an open pit which has been partially mined for oxide copper for feed into a heap leach – solvent extraction – crystallisation plant which produced copper sulphate for approximately a decade until 2014. This plant is currently on care and maintenance and the Company is working towards soon restarting copper sulphate production.

Historic mining was focused on shallow oxide copper mineralisation. However, historic work including limited drilling, IP, resistivity and high-resolution magnetic surveys have clearly outlined the potential for a much larger copper system.

SRK (independent mining and exploration consultants) have estimated an exploration target detailed below.

Copper Sulphide Open Pit Exploration Targets*	Tonnage		Copper Grade		Contained Copper	
	Low (Mt)	High (Mt)	Low	High	Low (t)	High (t)
Below existing open pit	7.3	20.0	0.60%	0.80%	44,000	161,000
Valentino Prospect	3.9	27.0	0.60%	0.80%	20,000	215,000
Total	11.2	47.0	0.60%	0.80%	64,000	376,000

*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 on our website and in the Prospectus dated 26th May 2021. Comp Person: SRK Dr Stuart Munroe.

Figure 1. Copper Sulphide Exploration Targets on the Tartana mining leases.

The exploration targets* from the prospectus were based on several factors including large geophysical IP and resistivity anomalies (Figure 1) and historical drilling. They also represent potential open pit targets and excludes any potential by-product credits (e.g. Ag, Au, Co).

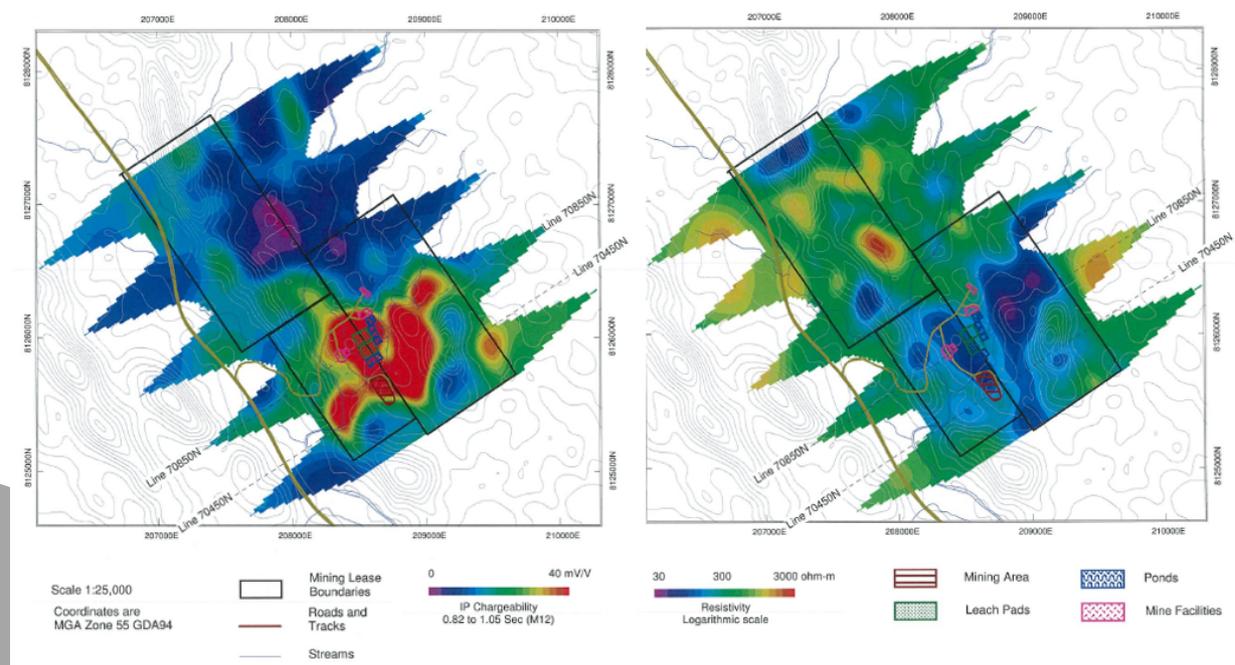


Figure 1. IP and Resistivity surveys at approximately 250 m depth, Tartana mining leases. (source: Collins 2008).

Historical drilling has been focused on immediate extensions to mineralisation exposed at the surface and directly below the open pit. Historic drilling has not tested any of the larger and stronger IP responses.

As evident in Figure 2 below, there are two large IP anomalies defined by chargeability in excess of 50 mV/V that are to the east of the historical drilling. These have not been tested and are the subject of this drilling program. The most northerly target is around 350m in diameter and the southern target is about 200m by 500m in size.

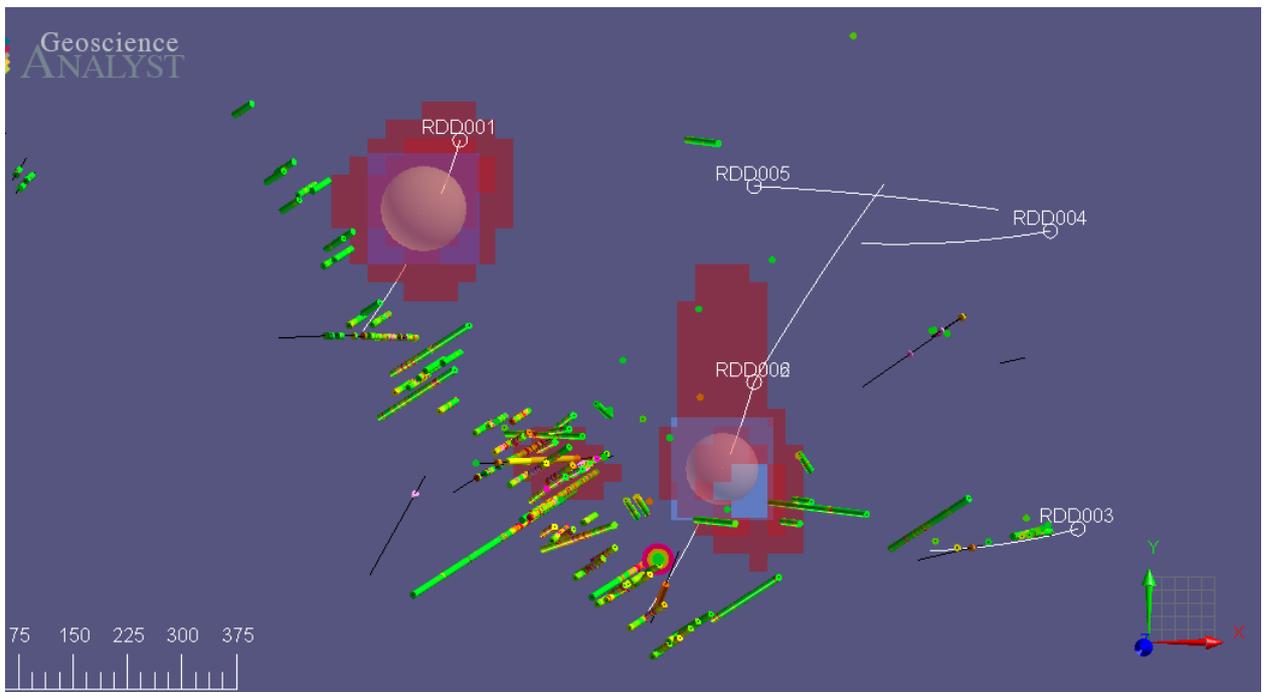


Figure 2. The two IP anomalies and the historical drilling in plan view. The historical drilling has not tested these targets.

The planned drillholes RDD001 and RDD002 will test these targets and their collars are located on Figure 3. Figure 3 also shows the IP anomalies, and which are away from the surface expression of the mineralisation evident in the yellow area (Figure 3) reflecting soil geochemistry with copper in soils above 500 ppm.

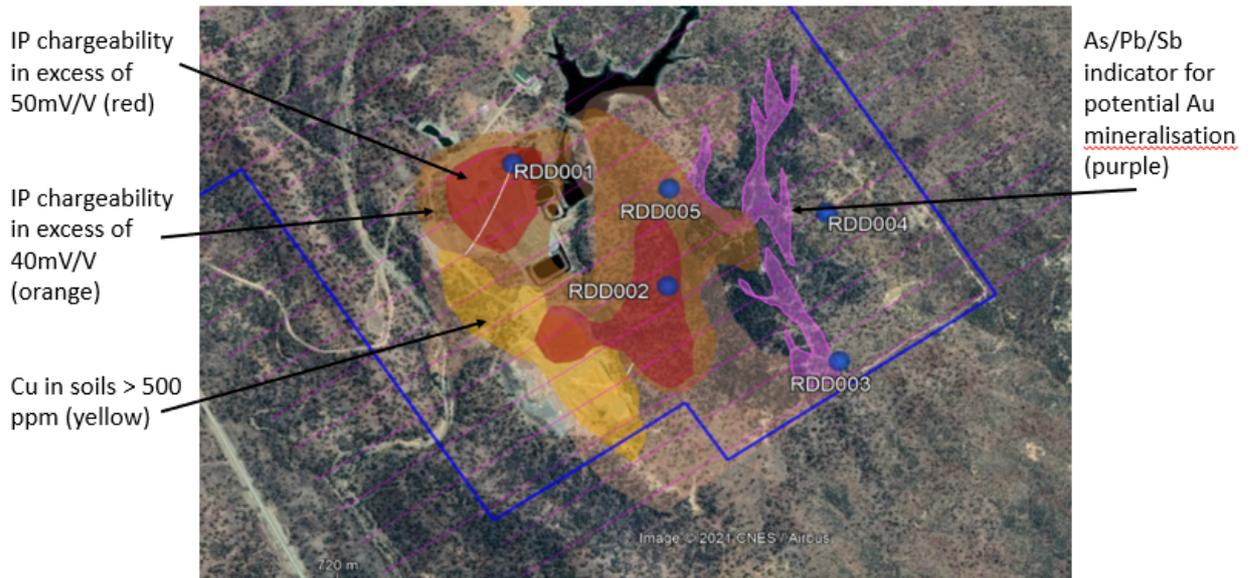


Figure 3. Drill hole collars (blue dots) to test the IP anomalies (red: >50mV/V, orange: >40mV/V). Copper in soils > 500ppm in yellow. Note the IP anomalies are well away from historical shallow mining operations except in one overlapping area.

The higher (>50mV/V) IP response overlaps in one area with the historical drilling. The interaction of this with historical drilling results can be best observed by utilising drillholes which recorded intersections with a minimum 20m width at a minimum 0.5% Cu grade. These are listed in Table 2 and plotted on Figure 4.

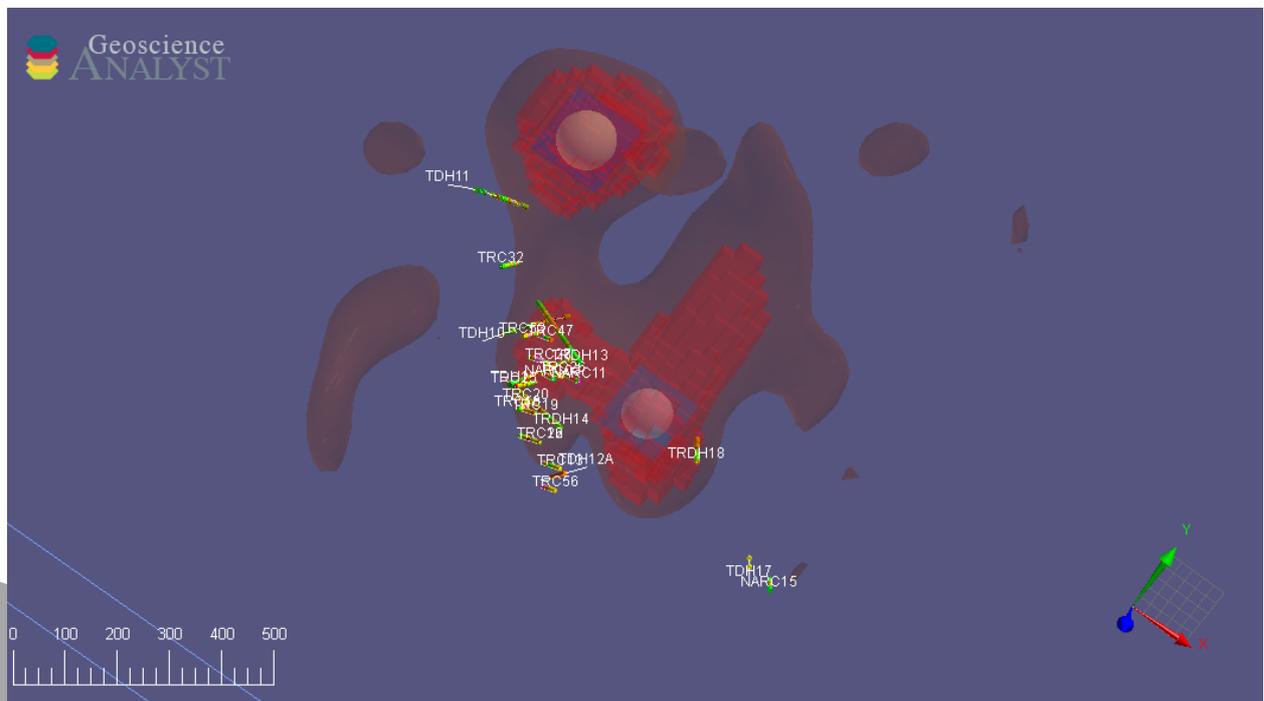


Figure 4. Location of drillholes with mineralised intersections greater than 20m downhole at a minimum 0.5% Cu.

Hole ID	From (m)	Intersection (m)	Cu grade (%)
TRC56	1.0	39.0	0.71
TRC13	30.0	22.0	0.86
TRC16	2.0	28.0	1.00
TRC22	1.0	50.0	0.63
TDH12A	67.8	58.8	0.65
TRC17	10.0	41.0	0.77
NARC15	24.0	20.0	0.93
TRC18	15.0	25.0	0.80
TRC19	2.0	38.0	0.56
TRC20	1.0	39.0	0.61
TRDH14	67.1	57.9	0.59
TDH1	56.7	41.8	0.55
TDH1	130.9	36.3	0.50
TRC25	0.0	21.0	0.53
TDH10	199.0	86.0	0.54
NARC03	6.0	21.0	1.60
TRC26	4.0	53.0	0.90
TRC27	9.0	36.0	1.80
TRC28	10.0	36.0	2.00
NARC11	11.0	55.0	0.73
TRDH18	79.2	73.2	0.59
TRC53	8.0	30.0	0.89
TRDH13	131.1	27.4	0.67
TRC47	1.0	40.0	0.79
TRC32	15.0	27.0	0.57
TDH11	6.0	25.0	0.71

Table 2. Historical drill intersections in excess of 20m at 0.5% Cu (for a complete list see JORC 2012 Tables 1&2 in R3D Resources prospectus dated 26 May 2021 or www.r3Dresources.com.au)

The clustering of drillhole intersections where there is overlap with the IP anomaly is encouraging and potentially inferring that the IP is ‘mapping’ the mineralisation although a significant proportion of this drilling is shallow relative to the main IP targets. However, one drillhole TRDH18 clipped the side of the IP anomaly and returned 79.3 m @ 0.59% Cu from 79.2 m depth. The collar of this hole is located approximately 300 m east of the pit and it is still 100m away from the southern anomaly (see Figure 5).

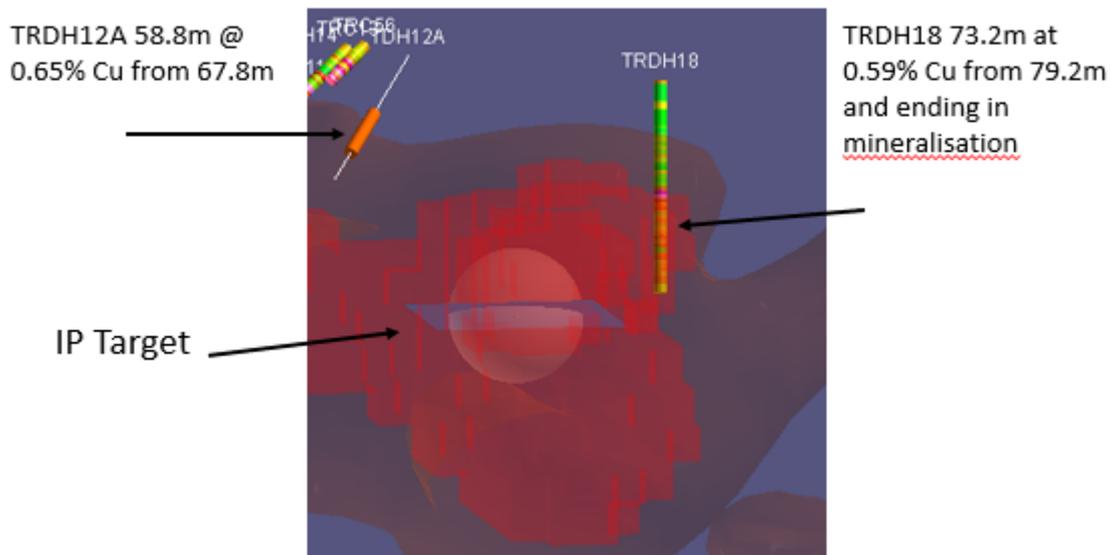


Figure 5. Drilling in section near the southern IP anomaly. TRDH18 returned 73.2m at 0.59% Cu with the hole ending in mineralisation but is still 100m away from the target.

The drilling program at Tartana is scheduled to commence in late August with planned diamond drillholes RDD 001 and RDD002 targeting the centres of the IP anomalies and close to resistivity gradients. The collars of these holes are plotted on Figure 3 with additional planned drillholes designed test strike extensions to gold mineralisation previously identified at Valentino and which needs to be explored further including a line of RAB holes reporting the following intersections:

RB01 0 – 7.5m: 7.5m @ 0.63g/t Au

RB04 6 – 15m: 9m @ 0.70 g/t Au followed by 15 – 21m: 6m @ 1.83%Cu & 0.31g/t Au

RB08 10.5 – 21m: 10.5m @ 0.58g/t Au followed by 21 – 27m: 6m @ 1.71% Cu & 0.93g/t Au

The new holes will test an alteration zone (purple are in Figure 3) extending north from this drilling based on a recent pxf soil sampling survey using gold indicators (for drillhole details and JORC 2012 tables 1 & 2, see R3D Resources Prospectus dated 26 May 2021).

For further information:

Stephen Bartrop

Managing Director

R3D Resources Limited

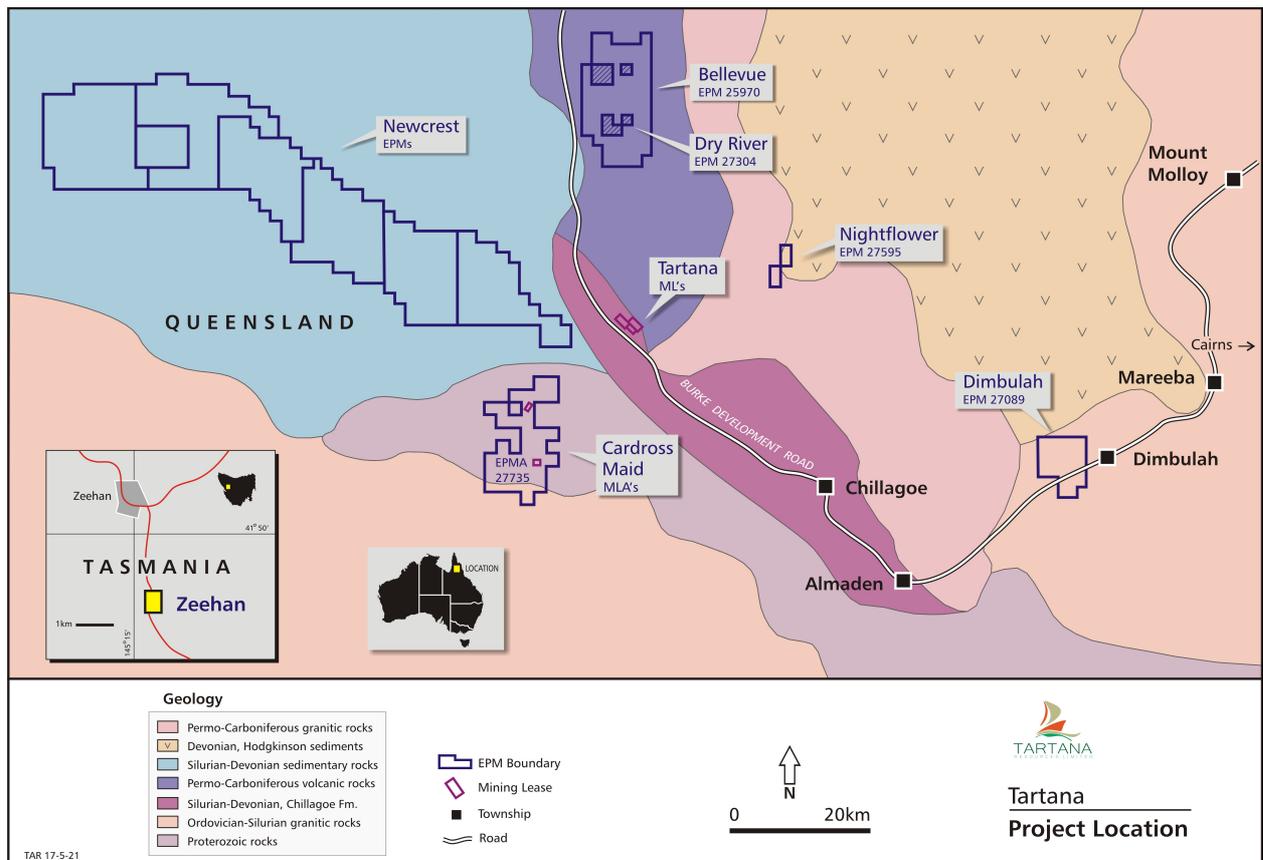
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This announcement has been approved by the Board of R3D Resources Limited.

About R3D Resources

In July 2021 R3D Resources Limited acquired Tartana Resources Limited, a significant copper-gold explorer and developer in the Chillagoe Region in North Queensland. The Company 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 Company’s extensive exploration activities in the Chillagoe region and which are also outlined in its Prospectus dated 26 May 2021.



Qualifying statement

The information in this Report that relates to Exploration Information is based on information compiled by Dr Stephen Bartrop who is a fellow of the Australian Institute of Geoscientists.

Dr Stephen Bartrop, Managing Director of R3D Resources, 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 JORC Code. Dr Stephen Bartrop is a full-time employee of R3D Resources and consents to the inclusion in this announcement of the Exploration 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 which could cause actual values or results, performance or achievements to differ materially from the expectations described in such forward-looking statements.

R3D Resources does not give any assurance that the anticipated results, performance or achievements expressed or implied in those forward-looking statements will be achieved.