



ASX RELEASE (20 SEPTEMBER 2023)

Acquisition of Nightflower High Grade Silver Project completes

Highlights:

- Nightflower Silver Project (EPM 27595), a high grade Silver project, has been transferred to R3D Resources following exercise of an Option to acquire the project in October 2022;
- With the acquisition now complete, the Company will focus on upgrading historical mineralisation to JORC 2012 standards;
- Nightflower is an important part of R3D’s high quality exploration portfolio with significant potential for further exploration to result in a high grade resource – previous exploration target of 2.74 Mt @ 134 g/t Ag Eq for 17 million Oz contained Ag Eq to 5.36 Mt @ 193 g/t Ag Eq for 23 million Oz Ag Eq;

R3D Resources Limited (ASX: **R3D**) (the **Company**), is pleased to announce the transfer of the Nightflower Project (EPM 27595) has been completed enabling the Company to move forward with its exploration activities including expanding and upgrading the defined mineralisation to JORC 2012 standards.

R3D Managing Director Stephen Bartrop commented:

“With our acquisition of Nightflower now complete, the Company can focus on planning its exploration activities in the forthcoming dry season. In particular, a drill programme is being designed to target extensions to the main body of mineralisation down dip and which may be thickened by some cross structural features.

“High grade silver projects are not common and our ownership of the Nightflower project provides leverage to this important commodity. The project forms an integral part of R3D’s exploration portfolio with historic drilling defining a high-grade orebody.”

R3D has previously advised that it had received high grade assays from rock chips from along the Nightflower lode with maximum values up to 60.1% lead, 21.1% zinc and 2600 g/t silver (see Announcement dated 30th August 2022). In June 2022, R3D released an exploration target for the northern section of Nightflower as follows (see ASX Announcement 6 June 2022):

Exploration Target Tonnage		Ag Grade (g/t)		Au Grade (g/t)		Ag Eq (g/t)		Ag Eq Contained Metal	
Low	High	Low	High	Low	High	Low	High	Low (Moz)	High (Moz)
2,749,081	5,360,372	89	146	0.35	0.42	134	193	17.0	23.0

Figure 1: Digger Lode Exploration Target for the Digger Lode. Note that 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.

R3D Resources Limited (ASX: R3D)

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Comp Person: BMS – Geoff Reed, R3D – Tom Saunders. Ag Eq = Ag + (Au*56) + (Cu*10) + (Pb*3) + (Zn*1)+ (Sb *11), per ASX Announcement 6 June 2022.

Nightflower Project Background

The Nightflower project is located 40 km north of Chillagoe in Far North Queensland and the project covers a substantial part of the northern Featherbed Volcanic Group and the underlying and surrounding Hodgkinson Formation.

The mineralisation is in the form of an epithermal polymetallic (Ag-Pb-Zn-Cu-Au) deposit located within the Nightflower fault zone. There are two prospects, the Digger Lode and Terrace, along this fault structure with the mineralisation interpreted to represent the upper levels of an underlying porphyry deposit (see Figure 1).

The fault zone is also interpreted to be part of the northeast-trending Mungana transfer zone, a regional lineament, which connects to the regional Palmerville fault zone, near the location of the Mungana and Red Dome copper-gold-silver porphyry mines (Figure 1).

Most historical work has been on the Digger Lode which has been partly defined by surface outcrop along with 19 drillholes (18 of 19 are diamond), which have intersected mineralisation between 10 m and 370 m below surface.

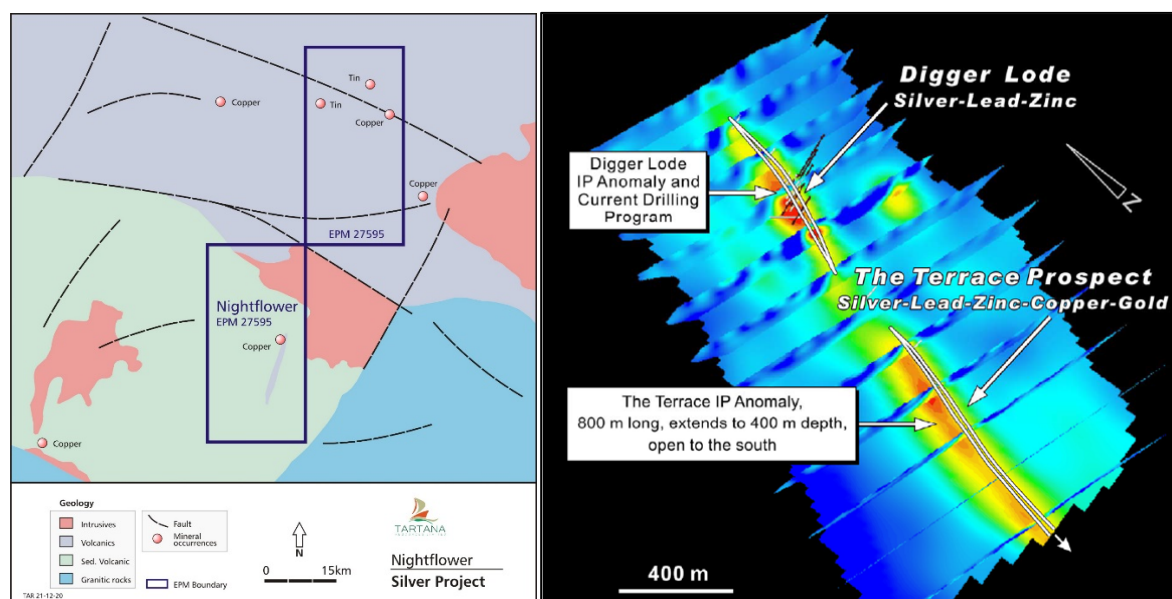


Figure 2: Nightflower project geology and IP anomalies

Significant historical surface sampling and drilling intersections are presented in Figure 3 below.

Sample No.	Type	Location	Silver (ppm)	Gold (ppm)	Lead (%)	Zinc (%)	Copper (%)	Hole No.	From (m)	To (m)	Interval (m)	Silver (g/t)	Gold (g/t)	Lead (%)	Zinc (%)	Copper (%)
P169950	Dump grab	N of Digger Lode	1260	0.49	37.8	0.25	0.02	NF08DD17	152.3	154.2	1.9	164.4	0.18	3.32	0.86	0.30
P169951	Dump grab	N of Digger Lode	1930	0.44	50.7	0.24	0.05		154.2	154.9	0.7	24.8	1.41	0.56	0.23	
P169936	Dump grab	Digger Lode S	63.3	2.63	1.1	Tr	Tr	NF08DD18*	144	153	9	62.2	0.21	1.25	0.8	
P169937	Rock chip	100m N of Lode	0.5	0.02	Tr	Tr	Tr		including	151	153	2	158.7	0.34	2.79	1.15
P169938	Dump grab	Digger Lode 500m S	121	0.12	8.67	26.9	Tr	NF08DD19	70	109	39	181	0.32	4.4	1.16	
P169939	Rock chip	D9 Area	222	0.45	2.92	0.23	0.03		including	93	102	9	506	0.3	12.6	1.46
P169940	Rock chip	D9 Area	505	1.53	9.68	0.6	0.14	including	98	102	4	769	0.61	22.4	2.23	0.5
P169941	Dump grab	D9 Area	109	0.74	5.63	0.28	0.08	including	105	107	2	2.5				
P169942	Dump grab	D9 Area	37.3	1.19	1.81	1.87	0.02	NF08DD20*	142	147	5	59.3		1.54	0.8	
P169952	Rock chip	D9 Area	399	2.71	6.79	0.12	0.13		including	142	144	2	121	0.21	3.35	1.1
P169953	Rock chip	D9 Area	505	3	8.9	0.19	0.12	NF08DD21*	213	215	2	110.7	1.39	1.03	2.59	0.79
P169943	Dump grab	Terrace workings	70.6	0.05	2.43	0.27	0.05		including	218	219	1	58.8	12.8		
P169944	Dump grab	Terrace workings	137	4.09	7.25	0.42	0.08	NF08DD22*	275	277	2	329.5	0.08	10.5	3.99	0.2
P169945	Dump grab	Terrace W lode	36.5	0.23	1.48	0.18	0.11		NF08DD23*	433.8	436.6	2.8	60.1	0.69	1.76	0.35
P169946	Rock chip	Terrace workings 50m S	10.3	1.01	0.37	0.21	0.03	including		438.8	442.8	4	49.7	1.24	1.12	0.35
P169947	Rock chip	Terrace S end of lode	15	1.17	0.36	0.32	0.05	NF08DD24*	76	79	3	51.8		1.28	1.6	
P169948	Rock chip	Terrace S end W lode	5.7	0.04	0.06	0.35	0.01									
P169949	Rock chip	Terrace IP anomaly	12.6	0.73	0.10	0.05	0.02									
P169954	Rock chip	Terrace S end IP	21.4	1.01	0.49	0.05	0.01									
P169955	Rock chip	Terrace W lode	494	0.12	25	0.19	0.3									

* Denotes drill hole with assay results not previously reported

Figure 3: Exploration results from surface sampling and historical drilling at Digger Lode as reported by Axiom Mining (Axiom 2008).

On the 30 August 2022 the Company announced the assay results for due diligence rock chip sampling. Maximum values of 60.1% lead, 21.1% zinc, 2600 g/t Ag were returned from the rock chip sampling along with elevated indium (54 ppm) and antimony (0.71%) assays, confirming previously reported ore-grade Pb-Ag-Zn geochemistry (see ASX announcement dated 30 Augusts 2022) (see Figure 4).

The Exploration Target size and the high-grade surface sampling generates confidence that future exploration has the potential to create a moderate size high grade precious and base metal project.

The project was subject to an option agreement with Mr Tom Saunders and with an early exercise of the option, the Company renegotiated the terms including lowering the exercise price to \$250,000 payable in R3D shares priced at 10 cents per share. The shares will be escrowed for 12 months from the date of issue, which will occur in the coming days. The revised terms also include upside payments if a base case resource of 25 million ounces silver equivalent (Ag Eq) at a 50g/t Ag Eq cut-off grade is exceeded. This involves payments of \$100,000 in R3D shares at the previous one-month VWAP for every additional 1 million ounces Ag Eq above the base case resource and up to a maximum of \$750,000 or 32.5 million ounces silver equivalent at a 50g/t Ag Eq cut-off grade.

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

Further Information:

Stephen Bartrop

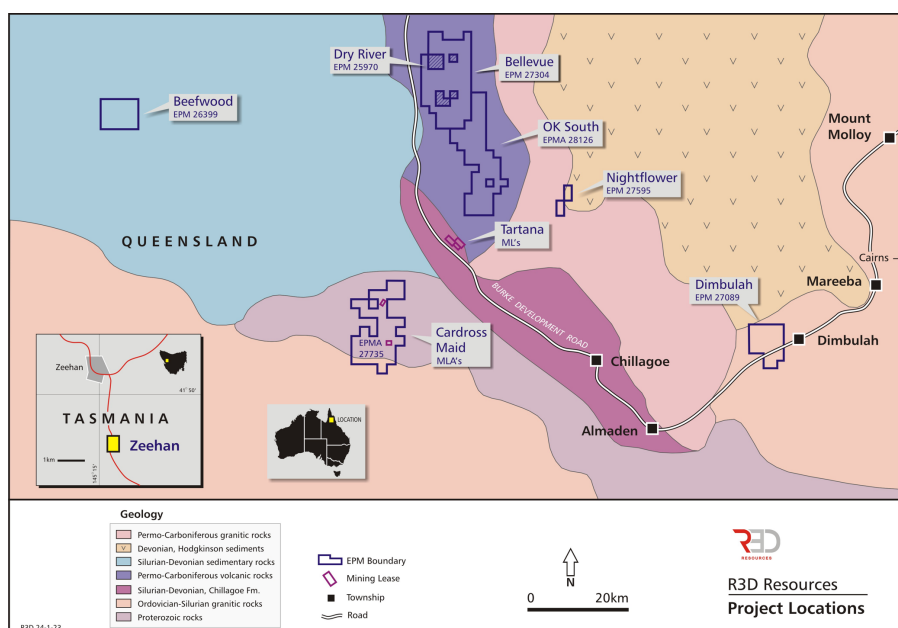
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About R3D Resources Limited



R3D Resources is a significant copper, gold, silver and zinc explorer and developer in the Chillagoe Region of 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 nestled between resource estimates of 45,000 tonnes of copper at Tartana and 39,000 tonnes of zinc at Queen Grade, both reported to JORC standards.

Competent Person's Statement

The information in this announcement that relates to Exploration Results based on information compiled by Dr Stephen Bartrop who is a Fellow of the Australian Institute of Geoscientists (AIG) and a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Dr Bartrop 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.' Dr Bartrop 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 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.