

NEXUSMINERALS

ASX ANNOUNCEMENT

13 July 2021

Further High Grade Mineralisation intersected at Crusader Prospect

ASX: NXM Capital Structure

Shares on Issue 244 million Options 11 million

Corporate Directory

Mr Paul Boyatzis
Non-Executive Chairman

Mr Andy Tudor Managing Director

Dr Mark Elliott Non-Executive Director

Mr Bruce Maluish
Non-Executive Director

Mr Phillip Macleod
Company Secretary

Company Projects

Wallbrook Gold Project

Bethanga Copper-Gold Project

Pinnacles Gold Project

Pinnacles JV Gold Project (with Northern Star Limited ASX:NST)

Mt Celia Gold Project

Highlights

- ➤ RC drillholes intersect further high-grade broad porphyry gold mineralisation
- ➤ Multiple results +5g/t Au within mineralised zone
- Drilling tested depth and strike extensions beneath previously drilled mineralisation
- ➤ Partial results only from 3,400m / 10 RC holes received to date, with samples from a further 1,925m / 8 RC holes submitted for analysis
- Crusader mineralisation currently a very extensive +600m long and +500m deep

Crusader Prospect

- New intersections include:
 - Hole#173 10m @ 6.42g/t Au Incl. 1m @ 41.23g/t Au (within 17m @ 3.97g/t Au from 182m)
 - Hole#176 16m @ 5.62g/t Au Incl. 4m @ 11.74g/t Au (within 20m @ 4.54g/t Au from 140m)
 - ➤ Hole#168 3m @ 5.13g/t Au (within 7m @ 2.43g/t Au from 221m)
 - ➤ Hole#166 2m @ 5.41g/t Au (within 6m @ 2.29g/t Au from 193m) most northerly Crusader prospect hole drilled to date
 - > Hole#169 5m @ 3.09g/t Au (within 9m @ 1.90g/t Au from 238m)
- Mineralisation hosted in silicified quartz porphyry unit with extensive alteration and stockwork veining;
- Crusader RC drill program completed with 4 RC holes replaced with RC pre-collars and diamond tails still to be drilled;
- Program designed to extend the broad high-grade mineralised zone intersected in the Company's previous drill programs;
- ❖ Templar prospect 6,000m RC drill program has commenced.

Nexus Minerals Limited (ASX: NXM) (Nexus or **the Company)** is pleased to announce high-grade assay results from 10 RC holes (3,400m) drilled at the Crusader Prospect, within the Company's Wallbrook gold project in the eastern goldfields of Western Australia.



Nexus Managing Director Andy Tudor commented "These results from Crusader have again shown excellent continuity of mineralisation and broad, high-grade gold intercepts. We are now eagerly awaiting the balance of results from samples submitted and the completion of this phase of the drilling program".

Crusader Prospect Mineralisation

The Nexus 2021 RC drill program at Crusader is testing for depth and strike extensions to the mineralisation intersected in Nexus Diamond drilling in 2021 (see ASX release 27/5/2021) and RC drilling in 2020 (see ASX release 7/12/2020).

Gold mineralisation at the Crusader Prospect is closely associated with a quartz-goethite supergene stockwork in the oxide regolith profile. The stockwork intensity correlates closely with higher gold grades. In the fresh rock, high-grade mineralisation occurs within a series of steeply dipping structures defined by quartz sulphide veining of a potassic altered quartz porphyry unit within a volcaniclastic host rock.

The holes drilled were to test the zone from 150m to 300m below surface with every RC drill hole completed to date in this program intersecting mineralisation and encouragingly the gold mineralisation tenor and width remain consistent.

Future drill programs at Crusader will test for depth extensions to the mineralisation, as well as testing for further strike extensions to the Crusader – Templar mineralised corridor that currently extends over 1.6km of strike, constrained only by the extent of drilling completed by Nexus to date.

Hole ID	Easting	Northing	mRL	Azimuth	Dip	From (m)	To (m)	Interval (m)	g/t Au	Sample Type
NMWBRC21-166	433251	6696835	375	93	-61	193	199	6	2.29	1 metre cone split
					inc.	193	195	2	5.41	1 metre cone split
NMWBRC21-168	433299	6696519	376	89	-60	221	228	7	2.43	1 metre cone split
					inc.	221	224	3	5.13	1 metre cone split
NMWBRC21-169	433281	6696499	376	90	-61	238	247	9	1.9	1 metre cone split
					inc.	240	245	5	3.09	1 metre cone split
NMWBRC21-173	433343	6696461	377	89	-61	182	199	17	3.97	1 metre cone split
					inc.	182	192	10	6.42	1 metre cone split
					inc.	191	192	1	41.23	1 metre cone split
NMWBRC21-176	433313	6696441	377	90	-60	140	160	20	4.54	4m Composite
••••••••••••••			***************************************		inc.	140	156	16	5.62	4m Composite
					inc.	148	152	4	11.74	4m Composite

Table 1: Crusader Prospect RC Drill Holes Selected Significant Intercepts



Photo 1: Hole #173 10m @ 6.42g/t Au (from 182m) - Incl. 1m @ 41.23g/t Au (from 191m) Mineralisation hosted in silicified quartz porphyry unit with extensive alteration and stockwork veining

NEXUSMINERALS

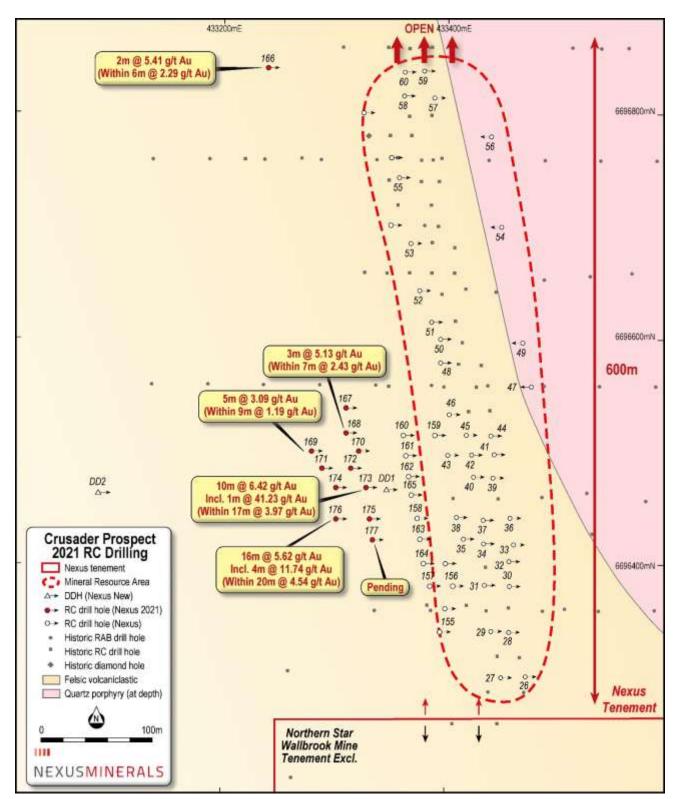


Figure 1: Crusader Prospect RC Drill Hole Location and Results



Hole ID	Easting	Northing	mRL	Azimuth	Dip	From(m)	To (m)	Interval (m)	g/t Au	Sample Type
NMWBRC21-166	433251	6696835	375	93	-61	80	84	4	0.3	4m Composite
	.00201	000000		- 55		108	112	4	0.12	4m Composite
						120	132	12	0.37	4m Composite
						193	199	6	2.29	1 metre cone split
					inc.	193	195	2	5.41	1 metre cone split
			•••••			209	215	6	0.81	1 metre cone split
					inc.	211	214	3	1.4	1 metre cone split
NMWBRC21-167	433302	6696541	376	89	-60	120	132	12	0.32	4m Composite
	.00002	00000.2				196	206	10	0.51	1 metre cone split
					inc.	197	198	1	1.29	1 metre cone split
						210	216	6	0.47	1 metre cone split
NMWBRC21-168	433299	6696519	376	89	-60	0	216	ASSAYS PENI		1 metre come spine
WWW.DRCZI 100	133233	0030313	370	0.5	00	221	228	7	2.43	1 metre cone split
					inc.	221	224	3	5.13	1 metre cone split
						232	330	ASSAYS PENI	8	Timetre come spine
NMWBRC21-169	433281	6696499	376	90	-61	0	236	ASSAYS PENI		
WWW BROZI 105	133201	0030133	370	30	01	238	247	9	1.9	1 metre cone split
					inc.	240	245	5	3.09	1 metre cone split
					11101	248	354	ASSAYS PENI	l	Timetre cone spire
NMWBRC21-170	433317	6696500	377	88	-60	0	208	ASSAYS PENI		
WWW DICEZI 170	433317	0030300	377	- 00	00	211	217	6	1.43	1 metre cone split
					inc.	212	216	4	1.76	1 metre cone split
					1110.	220	270	ASSAYS PENI		a metre cone spire
NMWBRC21-171	433297	6696479	376	90	-61	0	244	ASSAYS PENI		
WWW DICEZI 171	433237	0030473	370	50	01	246	254	8	0.53	1 metre cone split
					inc.	248	251	3	0.84	1 metre cone split
					1110.	256	310	ASSAYS PENI	&	2 metre cone spire
NMWBRC21-172	433336	6696479	377	87	-61	0	235	ASSAYS PENI		
NMWBRC21-173	433343	6696461	377	89	-61	0	180	ASSAYS PENDING		
THIN WE KEEL 173	155515	0030101		0,5	01	182	199	17 3.97 1 metre cone split		
					inc.	182	192	10	6.42	1 metre cone split
					inc.	191	192	1	41.23	1 metre cone split
						200	245	ASSAYS PENI		
NMWBRC21-174	433303	6696460	377	90	-60	0	236	ASSAYS PENI		
THIN WE HELD IN THE	155505	0030100	377	30	- 00	237	244	7	0.56	1 metre cone split
					inc.	243	244	1	1.01	1 metre cone split
					1110.	244	294	ASSAYS PENI	å	1 metre cone spin
NMWBRC21-175	433347	6696440	377	89	-61	0	132	ASSAYS PENI		
	.00017	2000110	<i></i>	- 55	Ü.	187	207	20	0.9	1 metre cone split
					inc.	199	205	6	1.58	1 metre cone split
NMWBRC21-176	433313	6696441	377	90	-60	28	32	4	0.14	4m Composite
14.4144 DICCZI-170	400010	3030441	3//	50	JU	52	60	8	0.14	4m Composite
						76	80	4	0.28	4m Composite
						104	108	4	0.32	4m Composite
						116	120	4	0.13	4m Composite
						140	160	20	4.54	4m Composite
					inc.	140	156	16	5.62	4m Composite
					inc.	148	152	4	11.74	4m Composite
					IIIC.	236	244	8	0.72	4m Composite
						252	256	4	0.72	4m Composite
NIN/I\A/DDC21 177	433358	6606420	277	01	-59		 	ASSAYS PENI		-in composite
NMWBRC21-177	433338	6696420	377	91	-59	0	228	MUSALS PEINL	טוויט	

Table 2: Crusader Prospect All Significant Intercepts (+0.1g/t Au) from RC Drill Holes

NEXUSMINERALS

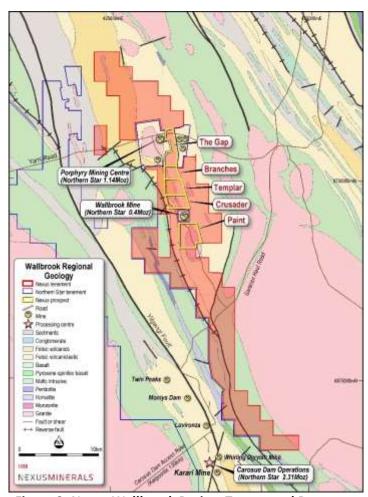


Figure 2: Nexus Wallbrook Project Tenure and Prospects

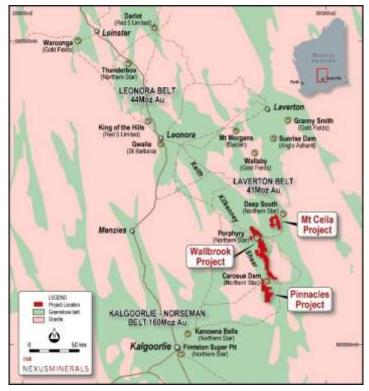


Figure 3: Nexus Project Locations, Eastern Goldfields, WA



This announcement is authorised for release by Mr Andy Tudor, Managing Director, Nexus Minerals Limited.

About Nexus

Nexus is actively exploring for gold deposits on its highly prospective tenement package in the Eastern Goldfields of Western Australia. In addition to this, the Company has recently expanded its existing project portfolio with the addition of the option to purchase the Bethanga Porphyry Copper-Gold project in Victoria.

In Western Australia, the consolidation of the highly prospective Wallbrook Gold Project (250km²) by the amalgamation of existing Nexus tenements with others acquired, will advance these gold exploration efforts.

Nexus Minerals' tenement package at the Pinnacles Gold Project commences less than 5km to the south of, and along strike from, Northern Star's Carosue Dam mining operations, and current operating Karari and Whirling Dervish underground gold mines. Nexus holds a significant land package (125km²) of highly prospective geological terrane within a major regional structural corridor and is exploring for gold deposits.

Nexus is actively investing in new exploration techniques to refine the targeting approach for their current and future tenements.

- Ends -

Enquiries Mr Andy Tudor, Managing Director

Mr Paul Boyatzis, Non-Executive Chairman

Contact Phone: 08 9481 1749
Website www.nexus-minerals.com

ASX Code NXM

The information in this release that relates to Exploration Results, Mineral Resources or Ore Reserves is based on, and fairly represents, information and supporting documentation, prepared, compiled or reviewed by Mr Andy Tudor, who is a Member of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Tudor is the Managing Director and full-time employee of Nexus Minerals Limited. Mr Tudor has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity for which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Tudor consents to the inclusion in the release of the matters based on his information in the form and context in which it appears. The results are available to be viewed on the Company website www.nexus-minerals.com. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original announcements.

The information in this release that relates to the Crusader Mineral Resource Estimate is based upon information compiled by Mr Adam James, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. At the time of the original report, Mr James was a full-time employee of Nexus Minerals Limited. Mr James 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'. Mr James consents to the inclusion in the release of matters based on his information in the form and context in which it appears.

No Ore Reserves have currently been defined on the Pinnacles or Wallbrook tenements. There has been insufficient exploration and technical studies to estimate an Ore Reserve and it is uncertain if further exploration and/or technical studies will result in the estimation of an Ore Reserve. The potential for the development of a mining operation and sale of ore from the Pinnacles or Wallbrook tenements has yet to be established.

Appendix A 13/07/2021

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to	<u>Crusader Prospect</u> – The sampling was carried out using Reverse Circulation Drilling (RC). 12 holes for 3,400m drilled.
	the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as	RC chips provide high quality representative samples for analysis.
	limiting the broad meaning of sampling.	Sampling was carried out in accordance with Nexus Minerals protocols and QAQC procedures which are considered to be industry best
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	practice.
	Aspects of the determination of mineralisation that are Material to the Public Report.	RC holes were drilled with a 5.5inch face sampling bit, with 1m samples collected through a cyclone and cone splitter producing a 2-3kg sample. All 1m samples were sent to the laboratory for analysis.
	In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for	850 x 4m composite samples and 307 x individual 1m samples were sent to the laboratory for analysis.
	fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual	All samples were pulverized at the laboratory to -75um, to produce a 50g charge for gold Fire Assay with ICP finish.
	commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	Sample pulps were also subjected to additional laboratory XRF analysis – this was undertaken as part of the companies R&D project.
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	An RC drilling rig, owned by Raglan Drilling, was used to undertake the RC drilling and collect the samples. The face sampling bit had a diameter of 5.5 inches (140mm).
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	All samples were dry with no significant ground water encountered.

Criteria	JORC Code explanation	Commentary	
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	RC face sampling bits and dust suppression were used to minimise sample loss. Average RC meter sample weight recovered was 25kg with minimal variation between samples.	
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	No sample bias is believed to have occurred during the sampling process.	
Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral	All RC chip samples were geologically logged by Nexus Minerals Geologists, using the approved Nexus Minerals logging code.	
	Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	Logging of RC chips: Lithology, mineralogy, alteration, mineralisation, colour, weathering and other characteristics as observed. All RC samples were wet sieved.	
		All holes and all meters were geologically logged.	
	The total length and percentage of the relevant intersections logged.		
Sub-sampling	If core, whether cut or sawn and whether quarter, half or all core taken.	One metre RC drill samples pass through a cone splitter, installed	
techniques and sample preparation	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	directly beneath a rig mounted cyclone, and a 2-3kg sample collected in a numbered calico bag. The balance of the 1m sample ~25kg is collected in a green plastic bag. The green bags are placed in rows of 20 and the corresponding calico bag placed on top of the green bag.	
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	4m composite samples are collected by scooping ~500g from 4 consecutive green bags.	
		All samples submitted for analysis were dry.	
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Samples were prepared at the Intertek Laboratory in Kalgoorlie. Samples were dried, and the whole sample pulverized to 85% passing 75um, with a sub-sample of ~200g retained. A nominal 50g was used for analysis. This is best industry practice.	
	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.	A duplicate field sample is taken from the cone splitter at 1:25 samples. Sampling methods and company QAQC protocols are best industry practice.	
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sample sizes are considered appropriate for the material being sampled and the sample size being submitted for analysis.	

Criteria	JORC Code explanation	Commentary	
Quality of	The nature, quality and appropriateness of the assaying and laboratory	Samples were analysed at the Intertek laboratory Perth.	
assay data and laboratory tests	procedures used and whether the technique is considered partial or total.	All samples were analysed for gold only using Fire Assay technique with ICP finish. This method is considered appropriate for the material being assayed. The method provides a near total digestion of the material.	
		This method is considered appropriate for the material being assayed. The method provides a near total digestion of the material.	
	For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	No other geophysical tools, spectrometers etc were used in this drill program.	
	Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	Nexus Minerals protocol provides for Certified Reference Material (Standards and Blanks) to be inserted at a rate of 4 standards and 4 blank per 100 samples. Field duplicates are inserted at a rate of 1 per 25 samples. Industry acceptable levels of accuracy and precision have been returned.	
Verification of sampling and	The verification of significant intersections by either independent or alternative company personnel.	Significant intersections were verified by the Exploration Manager.	
assaying	The use of twinned holes.	No twin holes were drilled as part of this program	
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	All field logging is carried out on a Toughbook computer. Data is submitted electronically to the database geologist in Perth. Assay files are received electronically from the laboratory and added to the database. All data is managed by the database geologist.	
	Discuss any adjustment to assay data.	No adjustment to assay data has occurred.	
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Drill hole locations were determined using a handheld GPS, with an accuracy of 3m. Down hole surveys were taken using a Gyro survey tool with readings taken every 10m.	
	Specification of the grid system used.	Grid projection is GDA94 Zone51.	
	Quality and adequacy of topographic control.	The drill hole collar RL is allocated from a handheld GPS.	
		Accuracy is +/- 3m.	

Criteria	JORC Code explanation	Commentary
Data spacing	Data spacing for reporting of Exploration Results.	Drilling took place at the Crusader Prospect.
and distribution		This release refers to these prospects results only.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The data spacing and distribution is not sufficient to establish the degree of geological and grade continuity appropriate for any Mineral Resource and Ore Reserve estimation procedure(s) and classifications to be applied.
	Whether sample compositing has been applied.	Yes as stated above.
Orientation of data in relation to	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	The orientation of the drill lines is considered to be perpendicular to the strike of the regional structures controlling the mineralisation (0 degrees). Holes were drilled -60 degrees towards 090 degrees.
geological structure	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	The relationship between the drilling orientation and the orientation of key mineralised structures is not considered to have introduced a sampling bias.
Sample security	The measures taken to ensure sample security.	Pre numbered calico bags were placed into green plastic bags, sealed and transported to the Intertek laboratory in Kalgoorlie by company personnel.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	All sampling, logging, assaying and data handling techniques are considered to be industry best practice.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any	Drilling was undertaken on tenement M31/231. Nexus 100% There are no other known material issues with the tenements. The tenements are in good standing with the Western Australian
E destina	known impediments to obtaining a licence to operate in the area.	Department of Mines, Industry Regulation and Safety (DMIRS)
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	The tenement has been subject to minimal prior exploration activities.
Geology	Deposit type, geological setting and style of mineralisation.	Gold mineralisation in the Wallbrook area is known to be closely associated with quartz +/- pyrite and brick-red coloured haematitic alteration of high level porphyry intrusives and their volcanic / sedimentary host rocks.
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar o dip and azimuth of the hole o down hole length and interception depth o hole length. If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the	Refer to ASX announcements for full tables.
	understanding of the report, the Competent Person should clearly explain why this is the case.	

Criteria	JORC Code explanation	Commentary
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.	No top cuts have been applied to the reported assay results.
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	No aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values were reported.
Relationship between mineralisation	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is	The orientation of the drill lines is considered to be perpendicular to the strike of the regional structures controlling the mineralisation (0 degrees). Holes were drilled -60 degrees towards 090 degrees.
widths and intercept	known, its nature should be reported.	
lengths	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	All reported intersections are down-hole length – true width not known.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Refer to the maps included in the text.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Clearly stated in body of release
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	No other exploration data to be reported.

Criteria	JORC Code explanation	Commentary
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Post full assessment of recent drill results and integration with existing data sets, future work programs may include Aircore drilling and/or RC/Diamond drilling to follow up on the results received from this drill program.