ASX ANNOUNCEMENT



SIGNIFICANT GOLD RESULTS FROM "HIGHWAY" TARGET

- "Highway" discovery confirmed with further significant gold results
- New +1km long aircore gold footprint remains open in all directions
- 12,000m Boorara North aircore drilling programme commencing shortly

Miramar Resources Limited (ASX:M2R, "Miramar" or "the Company") is pleased to report further significant drill results from its 80%-owned Gidji JV Project ("Gidji" or "the Project"), located 15km north of Kalgoorlie in the Eastern Goldfields of WA.

Miramar has been actively exploring at Gidji since listing on the ASX in October 2020 and believes there is potential for the discovery of one or more significant new gold deposits within the previously underexplored Project.

The new drilling results come from the "Highway" target, the fourth large aircore gold footprint outlined by Miramar at Gidji since listing (Figure 1).

Significant results from the Highway target include:

- GJAC717 5m @ 0.87g/t Au from 48m, including 1m @ 1.87g/t Au
- GJAC718 1m @ 2.9g/t Au from 52m
- GJAC721 4m @ 2.95g/t Au from 48m, including 3m @ 3.78g/t Au
- GJAC725 8m @ 0.77g/t Au from 48m, 4m @ 1.13g/t Au
- GJAC727 1m @ 2.53g/t Au from 51m

The Highway gold mineralisation is hosted in sediments and felsic-intermediate volcaniclastics of the Black Flag Beds, has a strike length of over 1 kilometre and remains open in all directions.

Further aircore drilling at the Blackfriars and Highway targets is planned with the aim of outlining the full extents of the targets before deeper RC and/or diamond drill testing.

Miramar's Executive Chairman, Mr Allan Kelly, said the new results from the Highway target emphasised the significant gold potential at Gidji being realised by Miramar through systematic exploration.

"Over the last 18 months, we have outlined four large new gold targets at Gidji, each at least 1km long, and with multiple bedrock aircore intersections including several high-grade gold results," Mr Kelly said.

"Despite straddling the Goldfields Highway and being located less than a 10-minute drive from Kalgoorlie, the Gidji Project has clearly not been effectively explored until now," he added.

"With only a handful of deeper holes completed to date, and many more planned, we look forward to continuing to uncover the full potential of the Gidji JV Project," he said.

All results from the April 2022 aircore programme have now been received and Table 1 lists all significant results from this programme.

Boorara North aircore drilling

Miramar advises that it is about to commence a 12,000m aircore drilling campaign over the "Boorara North" target, which includes a further 4km long underexplored segment of the Boorara Shear Zone.

The local geology of the Boorara North target is interpreted to match that of the Paddington and Panglo deposits, and the Marylebone-Blackfriars-Highway area, and has potential for gold and/or nickel sulphide mineralisation.



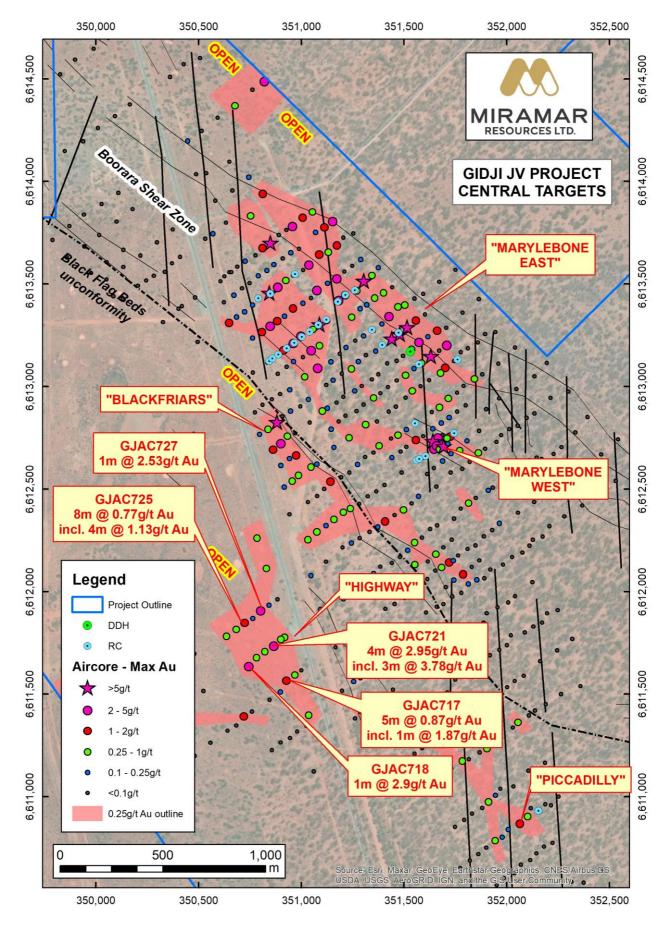


Figure 1. Gidji JV highlighting significant results from the new "Highway" target.



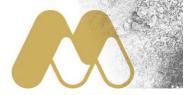
For more information on Miramar Resources Limited, visit the Company's website at www.miramarresources.com.au, follow the Company on social media (Twitter @MiramarRes and LinkedIn @Miramar Resources Ltd) or contact:

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This announcement has been authorised for release by Mr Allan Kelly, Executive Chairman, on behalf of the Board of Miramar Resources Limited.

Table 1. Significant results >0.25g/t Au from April 2022 aircore drilling programme

Target	Hole	EOH Depth	From	То	Interval	Au	Comments
	GJAC645	72	56	58	2	4.72	
	GJAC646	76	59	64	5	2.52	
	GJAC040	Incl.	59	60	1	12.60	
Marylebone West	GJAC647	75	59	60	1	2.55	6.3g/t Ag
West	GJAC649	72	57	64	7	3.23	
	GJAC049	Incl.	57	60	3	7.12	1.6g/t Ag
	GJAC651	67	56	57	1	0.73	1.4g/t Ag
	GJAC642	72	48	52	4	0.47	
	GJAC663	58	46	48	2	0.35	
Blackfriars	GJAC665	59	40	44	4	0.41	
	GJAC667	60	44	48	4	0.29	
	GJAC674	59	49	52	3	1.07	
	GJAC710	54	45	46	1	0.58	3.4g/t Ag
	GJAC712	59	52	54	2	0.29	
	GJAC713	60	48	52	4	0.97	
	GJAC714	59	51	52	1	0.41	1.3g/t Ag
	GJAC715	59	49	52	3	0.29	
	GJAC717	62	48	53	5	0.87	
		Incl.	52	53	1	1.87	
	GJAC718	62	52	53	1	2.90	
	GJAC719	55	51	52	1	0.39	1.3g/t Ag
Highway	0.14.0700	59	48	52	4	0.62	
	GJAC720	Incl.	48	51	3	1.76	
	C 14 C 724	68	48	52	4	2.95	
	GJAC721	Incl.	49	52	3	3.78	
	GJAC722	63	48	53	5	0.30	
	GJAC723	57	48	52	4	0.36	
	GJAC724	61	48	53	5	0.42	
	C IACZOF	62	48	56	8	0.77	1.21g/t Ag
	GJAC725	Incl.	48	52	4	1.13	_
	GJAC727	67	51	52	1	2.53	1.52g/t Ag



COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Targets or Exploration Results is based on information compiled by Allan Kelly, a "Competent Person" who is a Member of The Australian Institute of Geoscientists. Mr Kelly is the Executive Chairman of Miramar Resources Ltd. He is a full-time employee of Miramar Resources Ltd and holds shares and options in the company.

Mr Kelly has sufficient experience that is relevant to the style of mineralisation and type of deposits 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 Kelly consents to the inclusion in this Announcement of the matters based on his information and in the form and context in which it appears.

Historical exploration results for the Gidji JV Project, including JORC Table 1 and 2 information, is included in the Miramar Prospectus dated 4 September 2020.

JORC Table 1 and 2 information for recent exploration results at the Gidji JV Project, including drill hole collar information, is contained in the following ASX Announcements:

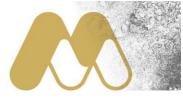
	1/8/2022	Further High-Grade Gold Results from Gidji	/\/
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- 30/6/2022 Multiple High-Grade Gold Results from Gidji JV
- 29/6/2022 Gidji JV Project Exploration Update
- 26/5/2022 Gidji JV Exploration Update
- 3/5/2022 Miramar to accelerate Gidji drilling following \$2.4M raising
- 13/4/2022 Potential for Multiple Large Deposits at Gidji JV
- 8/4/2022 Multiple High-Grade Gold Results from Gidji JV
- 10/3/2022 Nickel Sulphide Targets Identified at Gidji JV
- 1/2/2022 RC Drilling Underway at Marylebone
- 10/1/2022 New Target at Gidji JV Increases Camp-Scale Potential
- 22/12/2021 Gidji drilling results indicate potential new gold camp
- 25/11/2021 Gidji JV Exploration Update
- 7/10/2021 Significant Gold Results from Gidji JV Drilling
- 23/09/2021 Multiple High-Grade Gold Results from Marylebone
- 13/09/2021 Gidji JV Tenements Granted
- 2/08/2021 Aircore Drilling Grows Marylebone
- 29/06/2021 New Aircore Results Upgrade Gidji Targets
- 3/06/2021 RC and Aircore Drilling Underway at Gidji JV
- 11/05/2021 Aircore Drilling Extends and Upgrades Marylebone
- 6/05/2021 Gidji JV Project Exploration Update
- 15/04/2021 Gidji Diamond Drilling Additional Information
- 12/04/2021 Gidji Drilling Extends Runway and Hits Visible Gold
- 16/03/2021 Drilling Underway at Gidji
- 11/02/2021 High-grade gold at Gidji upgrades targets
- 1/02/2021 Gidji drilling intersects visible gold and outlines multiple targets



Table 2. Collar information for all April 2022 aircore drill holes (holes drilled vertically to refusal).

Hole ID	Easting	Northing	RL	ЕОН
GJAC635	351,274	6,612,620	348	64
GJAC636	351,195	6,612,558	356	56
GJAC637	351,111	6,612,501	349	69
GJAC638	351,033	6,612,436	364	63
GJAC639	351,365	6,612,488	336	55
GJAC640	351,281	6,612,428	337	54
GJAC641	351,200	6,612,383	344	50
GJAC642	351,205	6,612,387	344	72
GJAC643	351,120	6,612,322	349	72
GJAC644	351,686	6,612,763	358	72
GJAC645	351,665	6,612,748	356	72
GJAC646	351,641	6,612,734	336	78
GJAC647	351,658	6,612,711	349	75
GJAC648	351,673	6,612,694	352	72
GJAC649	351,693	6,612,709	359	69
GJAC650	351,713	6,612,721	343	67
GJAC651	351,709	6,612,747	287	67
GJAC652	351,536	6,612,430	321	66
GJAC653	351,454	6,612,373	355	67
GJAC654	351,367	6,612,309	345	39
GJAC655	351,373	6,612,316	346	62
GJAC656	351,284	6,612,261	346	74
GJAC657	351,201	6,612,215	342	60
GJAC658	351,120	6,612,145	344	53
GJAC659	351,205	6,611,965	352	51
GJAC660	351,309	6,612,060	353	63
GJAC661	351,386	6,612,122	349	63
GJAC662	351,481	6,612,169	358	63
GJAC663	351,552	6,612,240	356	58
GJAC664	351,628	6,612,305	357	53
GJAC665	351,553	6,612,131	378	59
GJAC666	351,616	6,612,147	371	58
GJAC667	351,655	6,612,182	362	60
GJAC668	351,691	6,612,216	353	65
GJAC669	351,732	6,612,254	353	53
GJAC670	351,660	6,611,926	359	56
GJAC671	351,608	6,611,898	356	60
GJAC672	351,867	6,612,152	356	61
GJAC673	351,830	6,612,120	359	58
GJAC674	351,788	6,612,084	359	59
GJAC675	351,742	6,612,057	353	59
GJAC676	351,703	6,612,022	349	65
GJAC677	351,740	6,612,151	349	63
GJAC678	351,652	6,612,102	348	62
GJAC679	351,580	6,612,028	348	58



Hole ID	Easting	Northing	RL	ЕОН
GJAC680	351,502	6,611,969	350	51
GJAC681	351,410	6,611,916	351	60
GJAC682	351,305	6,611,812	349	60
GJAC683	351,213	6,611,766	350	51
GJAC684	351,255	6,611,561	354	55
GJAC685	351,288	6,611,577	349	55
GJAC686	351,316	6,611,611	349	63
GJAC687	351,446	6,611,522	349	51
GJAC688	351,402	6,611,502	350	51
GJAC689	351,369	6,611,466	351	51
GJAC690	351,331	6,611,435	351	48
GJAC691	351,292	6,611,421	352	55
GJAC692	351,552	6,611,210	350	60
GJAC693	351,511	6,611,185	350	58
GJAC694	351,474	6,611,163	349	63
GJAC695	351,430	6,611,129	351	63
GJAC696	351,393	6,611,096	352	60
GJAC697	351,261	6,611,381	350	66
GJAC698	351,199	6,611,517	350	70
GJAC699	351,143	6,611,714	351	54
GJAC700	351,167	6,611,729	351	61
GJAC701	351,094	6,611,913	350	54
GJAC702	351,048	6,612,078	351	63
GJAC703	351,033	6,612,253	347	51
GJAC704	350,948	6,612,881	358	56
GJAC705	350,908	6,612,855	348	60
GJAC706	350,897	6,612,963	345	59
GJAC707	350,812	6,612,911	351	66
GJAC708	350,775	6,612,874	349	60
GJAC709	350,943	6,612,377	349	60
GJAC710	351,036	6,611,398	349	54
GJAC711	351,001	6,611,616	349	60
GJAC712	350,969	6,611,593	349	59
GJAC713	350,918	6,611,778	349	60
GJAC714	350,785	6,612,261	349	59
GJAC715	350,831	6,612,113	349	59
GJAC716	350,884	6,611,963	349	70
GJAC717	350,927	6,611,565	349	62
GJAC718	350,744	6,611,634	349	62
GJAC719	350,782	6,611,679	349	55
GJAC720	350,823	6,611,708	349	59
GJAC721	350,866	6,611,734	349	68
GJAC722	350,901	6,611,767	349	63
GJAC723	350,636	6,611,783	349	57
GJAC724	350,684	6,611,815	349	61
GJAC725	350,724	6,611,847	349	62
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ASX ANNOUNCEMENT



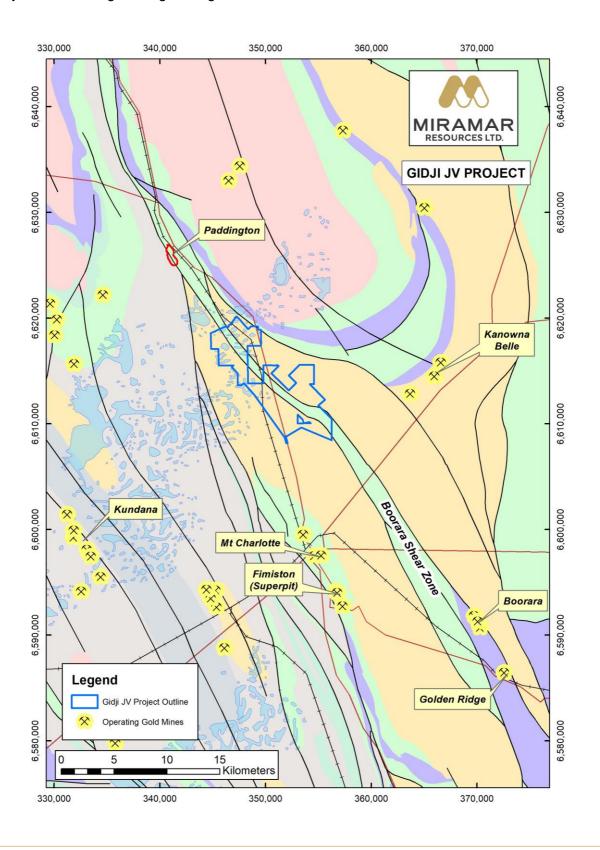
Hole ID	Easting	Northing	RL	EOH
GJAC726	350,765	6,611,869	349	68
GJAC727	350,803	6,611,906	349	67
GJAC728	350,843	6,611,934	349	62
GJAC729	350,477	6,612,769	349	55
GJAC730	350,437	6,612,735	349	47
GJAC731	350,392	6,612,722	349	45
GJAC732	350,359	6,612,684	349	40
GJAC733	350,316	6,612,652	349	32
GJAC734	350,276	6,612,624	349	26
GJAC735	350,234	6,612,598	349	39

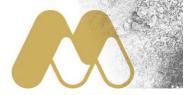


About the Gidji JV Project

The Gidji JV Project is located approximately 15km north of Kalgoorlie and in close proximity to a number of gold mining and processing operations. Despite this, the Project has been previously underexplored due an extensive layer of transported material over the most prospective geology.

Miramar has been actively exploring the Project since listing on the ASX in October 2020, resulting in the discovery of several large new gold targets.

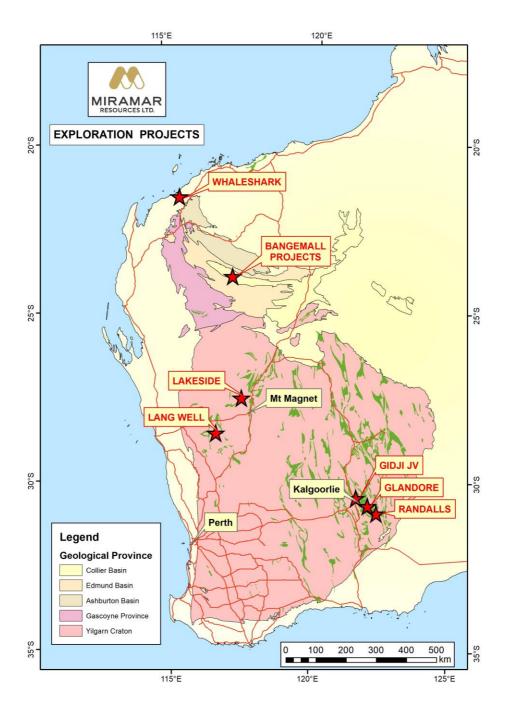




About Miramar Resources Limited

Miramar Resources Limited is an active mineral exploration company exploring for gold, IOCG and Ni-Cu-PGE deposits in the Eastern Goldfields, Murchison and Gascoyne regions of Western Australia.

Miramar's Board has a track record of discovery, development and production within Australia, Africa, and North America, and aims to create shareholder value through discovery of high-quality mineral deposits.





JORC 2012 Table 1 – Gidji JV Aircore Drilling

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 (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. 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 fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information. 	
Drilling techniques	 Drill type (eg core, reverse circulation, openhole 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). 	Aircore drilling to "blade refusal"
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the 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. 	Comments recorded for samples with low recovery
Logging	 Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	 Samples were logged for colour, weathering, grain size, geology, alteration and mineralisation where possible
Sub- sampling	 If core, whether cut or sawn and whether quarter, half or all core taken. 	 4m composite samples combined from individual 1m samples piles to achieve



Criteria	JORC Code explanation	Commentary
techniques and sample preparation	 If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. 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. Whether sample sizes are appropriate to the grain size of the material being sampled. 	 approximately 3kg of sample Sampling commences 4m above the interpreted uniformity between transported material and weathered basement Where possible sample intervals are split across the transported/basement boundary Samples with significant results are resplit by taking individual 1m samples for re-assay
Quality of assay data and laboratory tests	 The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. 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. 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. 	 Samples were assayed using an aqua-regia digest followed by analysis of gold and multi-elements by ICPMS with lower detection limit of 1ppb Au QAQC samples inserted at frequency of 4 QAQC samples (i.e. standard, blank duplicate) per 100 samples
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	Composite samples with >0.25g/t Au will be re-assayed as 1m re-splits
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. Specification of the grid system used. Quality and adequacy of topographic control. 	 Hole collar locations were recorded with a handheld GPS in MGA Zone 51S RL was also recorded with handheld GPS but accuracy is variable
Data spacing and distribution	 Data spacing for reporting of Exploration Results. 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. Whether sample compositing has been applied. 	 Drill spacing is generally 50m along lines and from 150-300m between lines. The spacing is appropriate for the stage of exploration 1m sample piles were composited over 4m Samples with significant results are resplit by taking individual 1m samples for re-assay
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 	 Drill lines were completed perpendicular to the trend of the main geological units and parallel to previous drill lines.



Criteria	JORC Code explanation	Commentary
geological structure	 the deposit type. 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. 	 It is likely that the mineralized structures trend at a different orientation to the regional geology
Sample security	 The measures taken to ensure sample security. 	 Samples were transported from site directly to the laboratory by Miramar staff
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits have been undertaken

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 known impediments to obtaining a licence to operate in the area. 	 The exploration was conducted on E26/214, E26/225, P26/4221 and P26/4222 which are owned 80% by Miramar Goldfields Pty Ltd and 20% by Thunder Metals Pty Ltd Miramar Goldfields Pty Ltd is a wholly owned subsidiary of Miramar Resources Limited Miramar has an exploration JV with Thunder Metals Pty Ltd
Exploration done by other parties	 Acknowledgment and appraisal of exploration by other parties. 	 Exploration has been previously completed by other companies including Goldfields and KCGM, and included auger drilling, RAB, aircore and limited RC drilling.
Geology	 Deposit type, geological setting and style of mineralisation. 	 The target is Archaean greenstone-hosted mesothermal gold mineralisation.
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: easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth 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 understanding of the report, the Competent Person should clearly explain why this is the case. 	See Table 1 and 2 and Figures which show all drilling completed to date.
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. Where aggregate intercepts incorporate short lengths of high grade results and 	Intervals reported over 0.25g/t Au with maximum of 1 sample of internal dilution



Criteria	JORC Code explanation	Commentary
	 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. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	
Relationship between mineralisation widths and intercept lengths	 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 known, its nature should be reported. 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'). 	No assumptions about true width or orientation of mineralisation can be made from the current programme
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. 	See attached Tables and Figures
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. 	 All holes shown in Figure 1 Table 2 shows collar information for all holes completed
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 relevant data
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. 	Further aircore, RC and/or diamond drilling planned