

KOLONDIEBA GRADIENT ARRAY IP SURVEY SHOWS MULTIPLE STRUCTURAL ZONES WITH COINCIDENT GOLD ANOMALISM

HIGHLIGHTS

- A Gradient Array Induced Polarisation survey has been completed at the Kolondieba Gold Project.
- The survey covered an area of 12km², which included targets where previous auger drilling returned peak values of 2.35 g/t Au, 2.0g/t Au and 1.9g/t Au¹.
- The survey shows multiple north-south trending structures with coincident Au anomalism in Auger drilling.

Marvel Gold Limited (ASX: MVL) (Marvel or the Company) is pleased to announce the results of the high-resolution Gradient Array Induced Polarisation (GAIP) geophysical survey which was completed at the Kolondieba Gold Project (Kolondieba), located in south-east Mali in December 2022. Kolondieba is held under a joint venture with B2Gold Corporation in which Marvel holds an 80% interest.

Marvel's Managing Director, Chris van Wijk, commented: "We are pleased with the results of the Gradient Array IP survey at Kolondieba which have worked very well to map the underlying lithology and structure and give further context to our highly anomalous auger drilling results. The survey has highlighted a strong north-south oriented structural fabric which was not evident in the magnetics. A number of geophysical anomalies have been defined which correlate well with the auger results and require follow-up work. Kolondieba is a strategic project for Marvel being located approximately 60km north-east of Tabakorole, which hosts an existing mineral resource of one million ounces² and also proximal to the Morila mine."

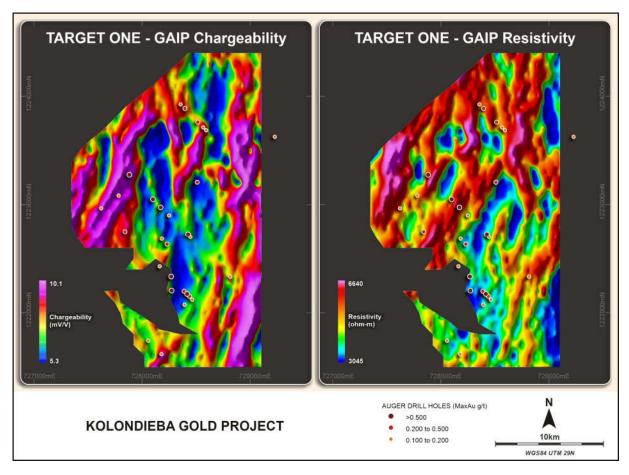
Three targets were selected for follow-up with GAIP based on the results of auger drilling carried out earlier in 2022.

Target 1 – this is the southernmost target where six auger holes recorded results of 1g/t Au and 29 holes returned over 100ppb Au, with a best result of 2.35g/t¹, which is extremely anomalous. The GAIP results show anomalous gold values oriented in a north-south direction, coincident with the underlying structural fabric evident in the GAIP. This is interpreted to be a north-south trending second order shear system emanating from the Bannifin shear zone which is located a short distance to the south-east. The main

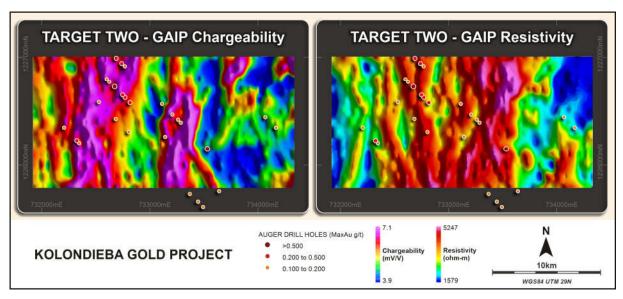
¹ ASX announcements dated 16 May 2022 and 22 June 2022

² See Table 1 for information on the Tabakorole Mineral Resource Estimate

gold anomalous zone has a strike length of approximately 1km with a width between auger holes of up to 200m.

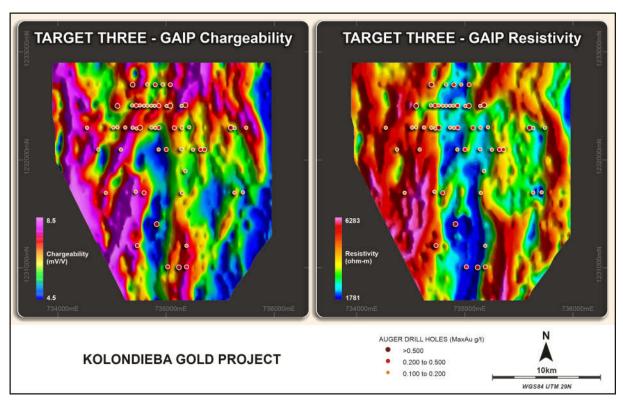


Target 2 – this is the central most target and shows a similar north-south trending structural fabric in the underlying geology which is similarly interpreted to be a series of north-south trending splays emanating from the Bannifin Shear-Zone (**BSZ**). Strong mineralisation at this target was only encountered on the central line and this appears on a structure that is not well tested by the auger lines to the north and south and requires further work to understand the true extents of the target.



Target 3 – shows a very strong north-south trending feature which is highly conductive and encapsulates most of the anomalous gold in auger values. In common with Targets 1 and 2, this is interpreted as a splay off the BSZ with the conductivity being explained

by conductive clays within the shear zone. This also suggests that the low chargeability represents a zone of deeper weathering over the shear zone that has oxidised any sulphides which were initially present. Eight auger lines were drilled over this target with each auger line encountering anomalous gold and with a peak value of 1.54g/t Au³.



The significance of these results

The Gradient Array IP survey has shown the underlying fabric within the bedrock, in particular that the anomalies are sitting atop north-south trending structures which link to the BSZ. These north-south trending structures were not evident in the magnetics, which in this area shows the BSZ but is otherwise magnetically quiet.

The auger drilling results themselves are particularly significant as they confirm that the mineralisation evident in the soil geochemistry is in-situ and not transported. Furthermore, the level of anomalism is noteworthy; numerous holes show results at greater than 10 times the detection limit (>0.05ppm) and many holes display values that are over 20 times the detection limit (>0.1ppm). Peak values above 1g/t (200x detection) in Auger drilling are both exceptional and rare.

Auger drilling has been used to successfully demonstrate the presence of ore grade mineralisation in West Africa with Predictive Discovery Limited's (**PDI**) North-East Bankan deposit in Guinea being a notable example⁴.

Next Steps

The Company continues to interpret the geophysical results and notes that a number of the structures thought to host mineralisation are open along strike on the structures thought to host mineralisation in bedrock. Further reconnaissance drilling to extend and infill the currently defined anomalies is the most likely outcome of this process.

³ See ASX announcement 22 June 2022

⁴ For further information, see PDI's announcement of 26 February 2020

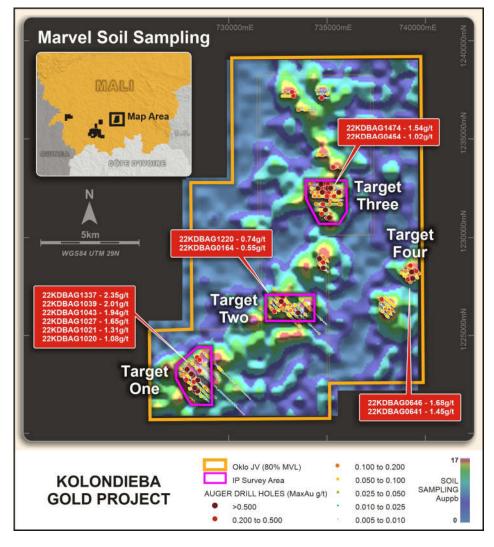


Figure 1: Locations of Gradient Array IP Survey and significant Auger results⁵

Kolondieba Geology

Kolondieba straddles the BSZ, which is a major geological structure in the south of Mali. The BSZ is interpreted to be the major controlling (first order) structure responsible for gold mineralisation at the 7.5 million ounce Morila gold mine, and Marvel's one million ounce Tabakorole gold deposit, both of which are located on splays (second order structures) linked to the BSZ.

Mineralisation at Kolondieba appears to be associated with a lithological contact between felsic intrusives and metasediments, and a major adjacent structure parallel with the BSZ. Mafic and ultramafic lithologies also appear to have some control over gold mineralisation. This is a very similar geological setting to the nearby Morila deposit, where gold mineralisation is thought to be partly controlled by the emplacement of Birimian-aged granitic intrusives into the overlying sediments.

Induced Polarisation (IP)

Gradient Array IP is a certain type of IP survey configuration which allows for relatively quick and cost-effective surveying of large areas. IP is an electrical geophysical method for the mapping of rock properties potentially indicative of gold mineralisation. In particular, it maps-out the resistivity-conductivity and chargeability characteristics of

⁵ ASX announcement 16 November 2022

rock. Mineralisation is frequently found in rock formations that are both resistive and chargeable; the resistive nature caused by intense silicification during the hydrothermal deposition of gold and the chargeable nature due to the presence of disseminated sulphide minerals (such as pyrite) which carry the gold. Therefore, targets that are both resistive and chargeable are potentially very significant.

This announcement has been approved for release by Marvel's board of directors.

CHRIS VAN WIJK Managing Director

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For more information, visit www.marvelgold.com.au.

Reference to previous ASX announcements

In relation to the announcement of the Tabakorole Mineral Resource estimate on 5 October 2021, the Company confirms that it is not aware of any new information or data that materially affects the information included in that announcement and that all material assumptions and technical parameters underpinning the Mineral Resource in that announcement continue to apply and have not materially changed.

In relation to Evolution's previously reported exploration results, the dates of which are referenced, the Company confirms that it is not aware of any new information or data that materially affects the information included in those announcements.

About Marvel Gold

Marvel Gold Limited is an Australian resources company listed on the Australian Securities Exchange under stock code MVL. Marvel is a Mali-focused gold explorer with advanced gold exploration projects and extensive landholdings in South Mali.

The Tabakorole Gold Project has a JORC Mineral Resource of **1.025Moz grading 1.2 g/t gold** (see ASX announcement dated 5 October 2021), with strong growth prospects along strike and via near-deposit prospectivity over an extensive landholding in excess of 800km². Tabakorole is held through 100%-owned licences as well as two separate joint ventures, with B2Gold Corporation (**B2Gold JV**), in which the Company holds an 80% interest) and with Altus Strategies plc (**Altus JV**), in which the Company currently holds a 70% interest which is moving towards 75% through committed expenditure.

Pursuant to the disposal of the Chilalo Graphite Project, Marvel also holds 50 million shares in ASX listed graphite company, Evolution Energy Minerals Limited (ASX Code: EVI).

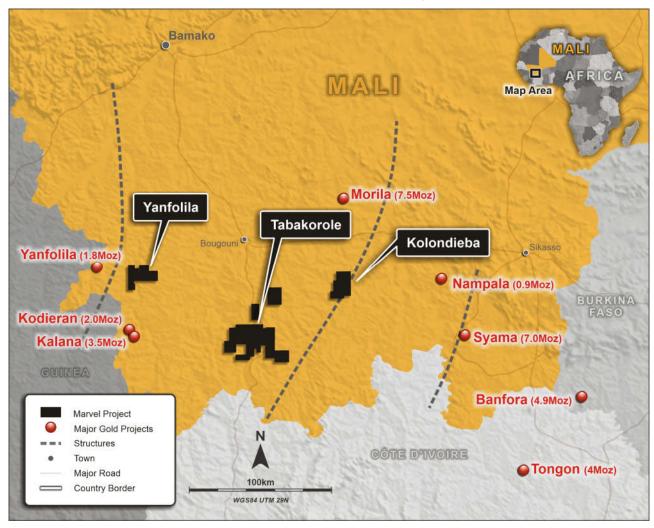
Marvel has an experienced board and management team with specific skills, and extensive experience, in African based exploration, project development and mining.

Table 1. Tabakorole Mineral Resource Estimate as at 5 October 2021 (JORC 2012)

	Indicated			Inferred			Total		
	Mt	Au (g/t)	koz (Au)	Mt	Au (g/t)	koz (Au)	Mt	Au (g/t)	koz (Au)
Oxide	1.4	1.2	50	1.3	1.3	55	2.7	1.3	110
Fresh	7.8	1.2	310	16.0	1.2	610	23.8	1.2	915
Total	9.2	1.2	360	17.3	1.2	665	26.5	1.2	1,025

Note: Reported at a cut-off grade of 0.6 g/t Au, differences may occur due to rounding.

Location Map of Marvel projects





Appendix 1. 2012 JORC Code Table 1 Reporting

Section 1 - Sampling Techniques and Data

Criteria	Explanation	Commentary
Sampling	Nature and quality of sampling (eg	IP Geophysical surveys were undertaken using the following equipment:
Techniques	cut channels, random chips, or	. , , , , , , , , , , , , , , , , , , ,
•	specific specialised industry standard	2 x ELREC-Pro (Iris Instruments) receivers,
	measurement tools appropriate to	2 x Iris VIP10000 Transmitters,
	the minerals under investigation,	2 x Honda 20 kW generators,
	such as down hole gamma sondes, or	2 x Garmin 64S GPS,
	handheld XRF instruments, etc).	4 kilometres of industry rated IP cable and collection mechanisms.
	These examples should not be taken	
	as limiting the broad meaning of	
	sampling.	
Drilling	Drill type (eg core, reverse	Not applicable – no drilling reported.
techniques	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).	
Drill Sample	Method of recording and assessing	Not applicable – no drilling reported.
Recovery	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	
	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.	
Logging	Whether core and chip samples have	Not applicable – no drilling reported.
20881118	been geologically and geotechnically	Thot applicable The aritims reported.
	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.	
Sub-Sampling	If core, whether cut or sawn and	Not applicable – no drilling reported.
techniques	whether quarter, half or all core	
and sample	taken.	
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	
Quality of	duplicate/second-half sampling.	The following equipment was employed in the ID goodhysical survey.
Quality of assay data	The nature, quality and appropriateness of the assaying and	The following equipment was employed in the IP geophysical survey:
assay data and	laboratory procedures used and	2 x ELREC-Pro (Iris Instruments) receivers,
uliu	insolutory procedures used allu	Z A LENEO TTO (IIIS IIISCIAITICIUS) TECEIVEIS,

Criteria	Explanation	Commentary
laboratory	whether the technique is considered	2 x Iris VIP10000 Transmitters,
tests	partial or total.	2 x Honda 20 kW generators,
	For geophysical tools, spectrometers,	2 x Garmin 64S GPS,
	handheld XRF instruments, etc, the	4 kilometres of industry rated IP cable and collection mechanisms
	parameters used in determining the	
	analysis including instrument make	All lines oriented 090°-270°,
	and model, reading times,	For gradient array, a line spacing of 100m and a reading spacing of 25m.
	calibrations factors applied and their	Fourther 2 lines of male discale FO as A province for upon its and transposition
	derivation, etc.	For the 3 lines of pole-dipole, 50 m A-spacing for receiver and transmitter.
	Nature of quality control procedures adopted (eg standards, blanks,	Period: Square W. 8 seconds, Time ON: ± 2 seconds,
	duplicates, external laboratory	Duty Cycle: 50%
	checks) and whether acceptable	Buty Cycle. 3070
	levels of accuracy (ie lack of bias) and	
	precision have been established.	
Verification	The verification of significant	Not applicable – no drilling reported.
of sampling	intersections by either independent	
and assaying	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.	ID I II I I I I I I I I I I I I I I I I
Location of	Accuracy and quality of surveys used	IP locations were obtained using a Garmin GPS in UTM WGS84 mode.
data points	to locate drill holes (collar and downhole surveys), trenches, mine	
	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	
Data spacing	Data spacing for reporting of	Not applicable – no drilling reported.
and	Exploration Results.	
distribution	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.	
Orientation	Whether the orientation of sampling	IP lines were oriented east-west, which is oblique to the regional magnetic trend
of data in	achieves unbiased sampling of	(northeast-southwest), but perpendicular to the (north-south) mineralised
relation to	possible structures and the extent to	structures identified through previous auger drilling.
geological	which this is known, considering the	
structure	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	
Comple	material.	Met applicable and drilling regarded
Sample	The measures taken to ensure	Not applicable – no drilling reported.
Security	sample security.	
Audits or	The results of any audits or reviews of	No audits have been conducted.
reviews	sampling techniques and data.	



Section 2 - Reporting of Exploration Results

Criteria	Explanation	Commentary
Mineral	Type, reference name/number,	The Kolondieba and Kolondieba North licences are held under JV with
tenement and		B2Gold. MVL owns an 80% interest in this JV.
	location and ownership including	
land tenure	agreements or material issues with	The Kolondieba license was renewed under Arrêté N°2021-4448 on the
status	third parties such as joint ventures,	28th October 2021 and is valid for 3 years.
	partnerships, overriding royalties,	The Kolondieba North license is currently under renewal.
	native title interests, historical sites,	
	wilderness or national park and	
	environmental settings.	
	The security of the tenure held at the	There are no known impediments to operating on any of the licences.
	time of reporting along with any	
	known impediments to obtaining a	
	licence to operate in the area.	
Exploration	Acknowledgment and appraisal of	Historical termite mound sampling and limited auger drilling was undertaken by
done by other	exploration by other parties.	Randgold Resources.
parties		
Geology	Deposit type, geological setting and	Kolondieba is thought to have potential to host an orogenic, hydrothermal gold
	style of mineralisation	deposit with much in common with other volcano-sedimentary hosted Birimian
		style orogenic gold deposits throughout the region.
Drill hole	A summary of all information	No new drilling information has been reported
information	material to the understanding of the	No new drilling information has been reported.
iiioiiiatioii	exploration results including a	
	tabulation of the following	
	information for all Material drill	
	holes:	
	noies.	
	 easting and northing of the 	
	drill hole collar	
	o alayation or PL (Poducad	
	o elevation or RL (Reduced	
	Level – elevation above sea	
	level in metres) of the drill hole collar	
	Hole collai	
	 dip and azimuth of the hole 	
	o down hole length and	
	interception depth	
	·	
	o hole length.	
Data	In reporting Exploration Results,	Not Applicable – No new drilling reported.
aggregation	weighting averaging techniques,	The transfer and the tr
methods	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	As above.
	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.	
	The assumptions used for any	No metal equivalents are reported.
	reporting of metal equivalent values	
	should be clearly stated.	
Relationship	These relationships are particularly	Not applicable – no new drilling reported.
between	important in the reporting of	Not applicable – no new unling reported.
mineralisation	Exploration Results.	
widths and	·	
intercept	If the geometry of the mineralisation	
lengths	with respect to the drill hole angle is	

Criteria	Explanation	Commentary
	known, its nature should be reported.	
	If it is not known only the down hole lengths are reported, there should be a clear statement to this effect (eg '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.	See body of announcement for diagrams.
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 results from the current program have been reported.
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.	All applicable geological observations have been reported at this time.
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 work is anticipated to consist of reconnaissance drilling and mapping.