

26 MAY 2020

## ASX/MEDIA RELEASE

# BROAD HIGH-GRADE GOLD INTERCEPTS OUTSIDE OF ORE RESERVES AT ZOROASTRIAN

Current drilling demonstrates potential for further Reserve growth at Zoroastrian as exploration drilling re-commences at Mayday North

#### Key Points:

- Assay results from the three most recent diamond core holes, at the cornerstone Zoroastrian Deposit, confirm the continuity of high-grade mineralisation outside of Probable Ore Reserves.
- Significant assay results include:
  - 3.1m @ 9.49g/t Au from 164.7m and;
  - 7.4m @ 3.29g/t Au from 201m and;
  - 15.2m @ 3.74g/t Au from 228.3m incl 5.1 @ 10.00g/t Au from 237.1m in KND200004.
  - 8.8m @ 3.52g/t Au from 147.1m and;
  - 11.2m @ 7.29g/t Au from 235.5m including 5.2m @ 13.5g/t Au from 235.5m and;
  - 8.8m @ 4.30g/t Au from 317m including 3.3m @ 8.54g/t Au from 320m in KND200005.
  - 7.1m @ 3.11g/t Au from 269.3m and;
  - 24m @ 2.05g/t Au from 285m in KND200006.
- The new results confirm both geological and grade continuity in areas that are within 40m of the designed mining operations, highlighting the strong potential for an increase in the Probable 100koz Ore Reserve.
- Exploration drilling has commenced at the highly prospective Mayday North Project, as exploration activities continue to ramp-up in parallel with ongoing work on the Definitive Feasibility Study (DFS).

Further to its announcement of 23 April 2020, Bardoc Gold Limited (ASX: **BDC**, **Bardoc** or **the Company**) is pleased to report further outstanding assay results from recently completed in-fill diamond drilling at the cornerstone Zoroastrian Deposit, part of its 100%-owned **3.02Moz Bardoc Gold Project**, 40km north of Kalgoorlie in WA.

The recently completed six diamond core holes at the **515koz Zoroastrian Deposit**, **which contains an Ore Reserve of 100koz**, were designed to test areas outside of the known Ore Reserve for the projected strike and plunge continuity of the multi-lode ore system. All holes hit their targets, as planned, into the High-grade Zoroastrian Deposit, these holes will be easily accessed from existing planned design which in turn is likely to provide an increase in the ore reserves at minimal additional development costs.



#### **MANAGEMENT COMMENTS**

Bardoc Gold's Chief Executive Officer, Mr Robert Ryan, said the broad results from recent drilling at Zoroastrian support the potential for a long-life underground operation at this cornerstone deposit.

"The Zoroastrian in-fill drilling program has delivered some fantastic intercepts and, coupled with an already robust Resource, we will expect to see an increase in the Mining Reserve as part of the DFS due for completion in Q1 2021.

"While we push towards the delivery of a DFS, our goal is to develop a project with a long operational life, underpinned by a diversity of open pit and underground ore sources that will provide maximum flexibility in terms of our mining schedule and grade profile whilst reducing risk.

"The mine plan is underpinned by three cornerstone deposits in Zoroastrian, Aphrodite and Excelsior, plus a growing pipeline of attractive satellite deposits with the potential to increase mine life and further strengthen our production profile.

"Mayday North forms a key part of that plan and we have recently re-commenced exploration drilling with a clear objective of continuing to grow the Resource. This program will also utilise the information from the recently completed GAIP (geophysical) survey as we target additional resource opportunities at this significant gold system."

#### **ZOROASTRIAN DRILLING RESULTS**

The Zoroastrian Deposit has a current resource of 515koz Au and is open at depth down the northerly plunge on multiple lodes. The recent round of drilling has successfully applied the geological knowledge gained from the detailed geological work to intersect the Blueys South and Zoroastrian South Lodes in multiple positions and in multiple holes outside of the current Ore Reserve boundary.

The success of this program continues to increase the Company's level of confidence in and understanding of the multi-lode Zoroastrian Deposit, the results will be included in future Resource and Reserve estimations.

The key results from the three latest diamond holes are:

- 15.2m @ 3.74g/t Au from 228.3m in KND200004
- 11.2m @ 7.29g/t Au from 235.5m including 5.2m @ 13.5g/t Au from 235.5m in KND200005
- 8.8m @ 4.30g/t Au from 317m in KND200005
- 24m @ 2.05g/t Au from 285m in KND200006

Results from the first three holes of this program were spectacular (see ASX Announcement 23 April 2020):

- **7.3m @ 21.21g/t Au** from 292.57m in KND200002
- 13.3m @ 6.38g/t Au from 144m including 1m @ 65.5g/t Au from 151.0m in KND200003
- 6.7m @ 7.85g/t Au from 162m in KND200001
- **11m @ 5.73g/t Au** from 209m in KND200001

The geology and mineralisation at the Zoroastrian Deposit is now well understood, increasing the Company's confidence in the robustness of the Ore Reserves. This enhanced confidence and knowledge are anticipated to have a positive effect on future mine planning at Zoroastrian as part of the Definitive Feasibility Study due for completion in Q1 2021.



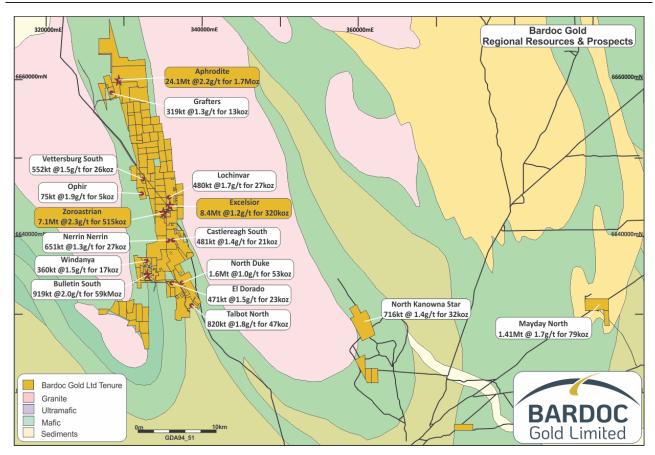


Figure 1. Bardoc Gold Project, tenement location plan.



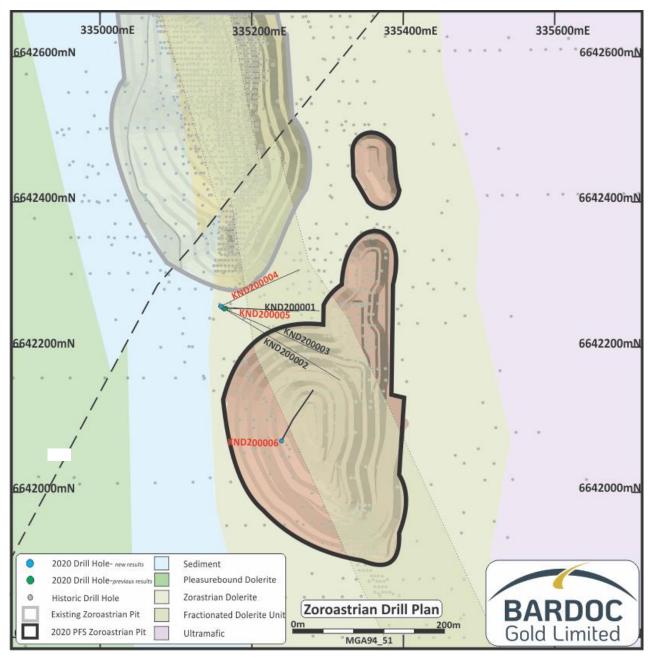


Figure 2. Plan of existing Zoroastrian open pit and the Ore Reserve pit design. Note the pit is deepest over the preferred geological host unit – Fractionated Dolerite.



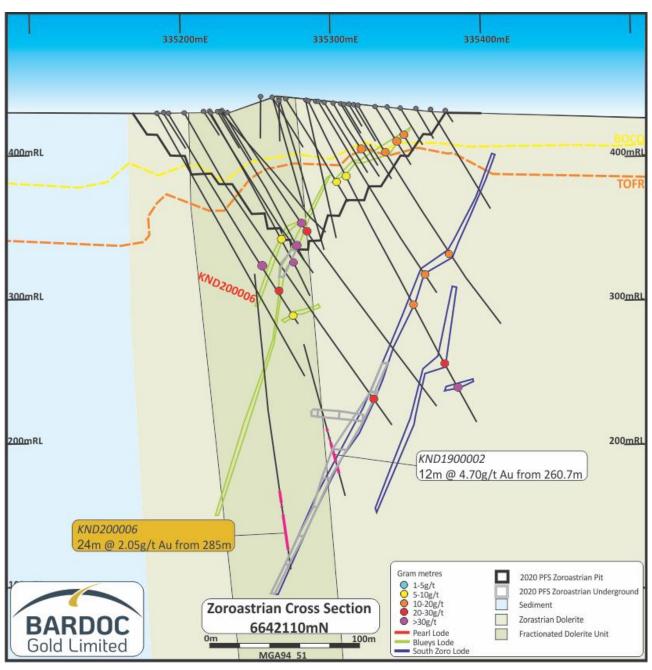


Figure 3. Zoroastrian Cross-Section 6642110mN looking north with RESERVE PIT DESIGN AND STOPES. Note areas intercepted by this drilling program are not yet in Ore Reserves.

#### **NEXT STEPS**

- Assay results expected from diamond core drilling outside the Ore Reserves at the cornerstone Aphrodite Deposit.
- Results from geophysical surveys at Mayday North and North Kanowna Star, with the data currently being processed and interpreted.
- Results from drill testing of initial GAIP geophysical anomalies at Mayday North.
- Mayday North pXRF results being used to interpret rock types and alteration zones.
- Regional exploration targeting ongoing.



#### **BARDOC GOLD PROJECT – BACKGROUND**

The Bardoc Gold Project was formed in October 2018 following completion of the merger between Excelsior Gold and Spitfire Materials, bringing together significant resources and excellent potential for growth.

The Bardoc Gold Project runs contiguously north for 40km in the Eastern Goldfields. There are four main deposits and a multitude of smaller projects within the 250km<sup>2</sup> land-holding, providing a large Resource base and excellent exploration potential within the prolific Norseman-Wiluna greenstone belt and junction of the Bardoc Tectonic Zone (BTZ) and the Black Flag Fault (BFF).

These two deep-seated crustal structures host many multi-million-ounce deposits, including the worldrenowned Golden Mile in Kalgoorlie.

		PROBABLE			TOTAL		
PROJECT	Tonnes (kt)	Grade (g/t)	Gold (koz)	Tonnes (kt)	Grade (g/t)	Gold (koz)	
Excelsior OP	3,540	1.4	160	3,540	1.4	160	
Zoroastrian OP	350	1.9	20	350	1.9	20	
Aphrodite OP	2,830	2.3	210	2,830	2.3	210	
Bulletin OP	520	2.0	30	520	2.0	30	
Zoroastrian UG	810	3.2	80	810	3.2	80	
Aphrodite UG	2,380	3.7	290	2,380	3.7	290	
TOTAL	10,430	2.4	790	10,430	2.4	790	

#### **GLOBAL RESERVE – BARDOC GOLD PROJECT**

## **GLOBAL RESOURCE – BARDOC GOLD PROJECT**

		Cut-Off	MEASURED		IN	DICATE	D	IN	FERRED	)	TOTAL	AL RESOURCES		Original ASX	
Deposit Type	(g/t Au)	Tonnes (,000t)	Grade (g/t Au)	Ounces (,000oz)	Report Date										
Aphrodite	ОР	0.4	-	-	-	11,622	1.7	619	6,676	1.4	298	18,288	1.6	916	22/5/18
Aphrodite	UG	2.0	-	-	-	3,458	3.9	436	2,391	4.3	330	5,848	4.1	765	
Aphrodite	TOTAL		-	-	-	15,080	2.2	1,055	9,067	2.2	628	24,136	2.2	1,681	
Zoroastrian	ОР	0.4	-	-	-	3,862	1.8	229	1,835	1.5	89	5,698	1.7	318	22/5/18
Zoroastrian	UG	2.0	-	-	-	580	4.4	82	823	4.3	114	1,403	4.4	197	
Zoroastrian	TOTAL		-	-	-	4,442	2.2	311	2,658	2.4	203	7,101	2.3	515	
Excelsior	ОР	0.4	-	-	-	6,729	1.2	266	1,749	1.0	54	8,478	1.2	320	
Mulwarrie	ОР	0.5	-	-	-	-	-	-	881	2.8	79	881	2.8	79	13/11/18
Mayday North	ОР	0.5	-	-	-	-	-	-	1,410	1.7	79	1,410	1.7	79	
Bulletin South	ОР	0.4	152	2.2	11	546	2.1	36	150	2.1	10	849	2.1	57	
Duke North	ОР	0.4	-	-	-	851	1.0	28	795	1.0	25	1,646	1.0	53	
Talbot North	ОР	0.4	-	-	-	698	1.8	40	123	1.8	7	820	1.8	47	
North Kanowna Star	ОР	0.5	-	-	-	-	-	-	716	1.4	32	716	1.4	32	
Lochinvar	ОР	0.4	-	-	-	423	1.8	24	57	1.6	3	480	1.7	27	19/2/14
Nerrin Nerrin	ОР	0.5	-	-	-	-	-	-	651	1.3	26	651	1.3	26	
Vettersburg South	ОР	0.6	-	-	-	-	-	-	552	1.5	26	552	1.5	26	11/12/13
El Dorado	ОР	0.5	-	-	-	-	-	-	471	1.5	23	471	1.5	23	
South Castlereagh	ОР	0.5	-	-	-	111	1.6	6	369	1.3	15	481	1.4	21	
Windanya	ОР	0.6	-	-	-	-	-	-	360	1.5	17	360	1.5	17	11/12/13
Grafters	ОР	0.5	-	-	-	-	-	-	319	1.3	14	319	1.3	14	
Ophir	ОР	0.6	-	-	-	-	-	-	75	1.9	5	75	1.9	5	11/12/13
TOTAL RESC	OURCES		152	2.3	11	28,880	1.9	1,766	20,403	1.9	1,247	49,426	1.9	3,022	

Note: Differences may occur due to rounding. Full details of the Mineral Resource estimate were provided in the Company's ASX Announcement dated 30 September 2019.



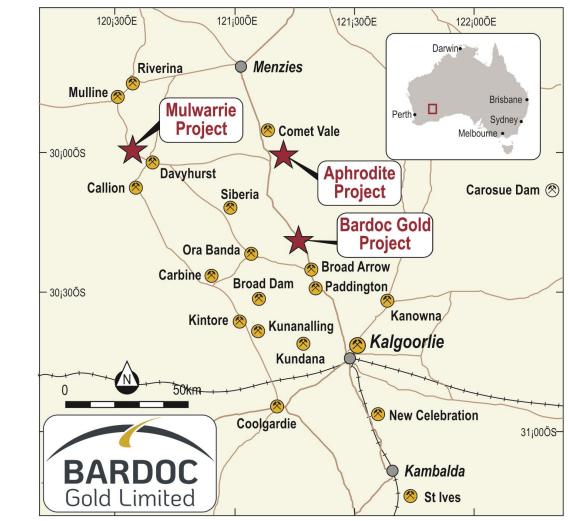


Figure 4: Project Location Plan

#### DISCLAIMERS AND FORWARD-LOOKING STATEMENTS

This announcement contains forward looking statements. Forward looking statements are often, but not always, identified by the use of words such as "seek", "target", "anticipate", "forecast", "believe", "plan", "estimate", "expect" and "intend" and statements that an event or result "may", "will", "should", "could" or "might" occur or be achieved and other similar expressions.

The forward-looking statements in this announcement are based on current expectations, estimates, forecasts and projections about Bardoc and the industry in which they operate. They do, however, relate to future matters and are subject to various inherent risks and uncertainties. Actual events or results may differ materially from the events or results expressed or implied by any forward-looking statements. The past performance of Bardoc is no guarantee of future performance.

None of Bardoc's directors, officers, employees, agents or contractors makes any representation or warranty (either express or implied) as to the accuracy or likelihood of fulfilment of any forward-looking statement, or any events or results expressed or implied in any forward-looking statement, except to the extent required by law. You are cautioned not to place undue reliance on any forward-looking statement. The forward-looking statements in this announcement reflect views held only as at the date of this announcement.

Approved for release by

Robert Ryan Chief Executive Officer



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**Competent Person's Statement – Exploration Results** 

Information in this announcement that relates to exploration results is based on information compiled by Mr. Bradley Toms who is the Exploration Manager of Bardoc Gold Limited. Mr. Toms is a Member of The Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking, to qualify as Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Toms consents to the inclusion in the document of the information in the form and context in which it appears.

#### **Competent Person's Statements – Mineral Resources**

The Company confirms it is not aware of any new information or data that materially affects the information included in the 30 September 2019 Bardoc Resource Estimate and that all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 30 September 2019.

#### Competent Person's Statements – Ore Reserves – Open Pit & Underground

The information referred to in this announcement has been extracted from the Pre-Feasibility Report and Ore Reserve Statement dated 17 March 2020 and available to view on www.bardocgold.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the Ore Reserves Statement and that all material assumptions and technical parameters underpinning the estimates in the Ore Reserves Statement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from Ore Reserves Statement.



## **APPENDIX 1**

#### Table 1 – Drill Hole Location Table

## Only completed holes, with assay results received, are reported

Hole ID	Collar East (MGA94-z51) m	Collar North (MGA94-z51) m	Collar RL m	Collar Dip <sup>0</sup>	Collar Azi Magnetic⁰	Maximum Depth (m)
KND200004	335159.016	6642255.840	440.658	-73	062	369.20
KND200005	335159.233	6642255.228	440.472	-75	093	360.10
KND200006	335240	6642071	430	-79	023	381.10



## **APPENDIX 2**

Table 2 - Significant Intersections >= 1m@ 0.5g/t Au, Intersections >=10grammetres are in **bold**. Maximum2m internal downhole dilution. No upper cuts applied. NSA is "No Significant Assay", \*=4m composite sample

Hole id	From (m)	To (m)	Width (m)	Grade g/t Au	Lode
KND200004	109	110.24	1.2	0.59	Pearl
	122.0	123.8	1.8	2.45	Un named
	127.1	128.5	1.4	0.68	Un named
	131.4	133.6	2.2	3.36	Pearl
	136.4	147.4	10.9	2.08	Pearl
	164.7	167.8	3.1	9.49	Pearl Flat
	194.5	197.2	2.7	2.18	Blueys South
	201	208.4	7.4	3.29	Blueys South
	228.3	243.5	15.2	3.74	Blueys South
including	237.1	242.2	5.1	10	
KND200005	118	119.7	1.7	1.47	Pearl
	122	123	1.0	1.43	Pearl
	147.1	155.9	8.8	3.52	Pearl Flat
	235.5	246.6	11.2	7.29	Blueys South
including	235.5	240.7	5.2	13.5	
	252.6	254.3	1.8	2.55	Blueys South
	317	325.8	8.8	4.3	Zoroastrian South
including	320.0	323.3	3.3	8.54	
	339	340	1	2.05	Zoroastrian South
	345	347	2	0.89	Zoroastrian South
KND200006	177	178	1	7.26	Blueys South
	182	185	3	1.04	Blueys South
	269.3	276.3	7.1	3.11	Un named
	285	309.0	24.0	2.05	Zoroastrian South
including	287.4	292.9	5.6	3.26	
including	299.9	303.8	3.9	3.97	
	347.8	350.7	2.9	2.2	Zoroastrian South



## JORC, 2012 Edition – Tables – Zoroastrian

## 1.1 Section 1 Sampling techniques and data

Criteria	JORC Code explanation	Commentary
Criteria Sampling techniques	<ul> <li>JORC Code explanation</li> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>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 (e.g. '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 carse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul> <li>Commentary</li> <li>The mineralization was primarily sampled by Reverse Circulation (RC) and Diamond Core (DC) drilling on nominal 40m x 20m (N x E) grid spacing. The holes were generally drilled towards grid east at varying angles to optimally intersect the mineralized zones.</li> <li>The drilling database consists of 19 DD and 420 RC holes; EXG drilling data. The historic data consists of 19 DD and 420 RC holes; EXG drilling consists of 12 DD, 22 Reverse Circulation with diamond tail (RCD), 579 RC and 1800 Reverse Circulation grade control (RCGC) holes.</li> <li>Complete details are un-available for historic drilling.</li> <li>Generally, BDC RC recovered chip samples were collected and passed through a cone splitter.</li> <li>Limited numbers of field duplicates and screen fire assays have been undertaken to support sample representivity.</li> <li>EXG DD core has been sampled by submission of cut half core.</li> <li>All BDC RC drilling was sampled on one metre down hole intervals. The recovered samples were passed through a cone splitter and a nominal 2.5kg – 3.5kg sample was taken to a Kalgoorlie contract laboratory. Samples were oven dried, reduced by riffle splitting to 3kg as required and pulverized in a single stage process to 85% passing 75 µm. The sample is then prepared by standard fire assay techniques with a 40g or 50g charge. Approximately 200g of pulp material is returned to EXG for storage and potential assay at a later date. The BDC DC samples are collected at nominated intervals by EXG staff from core that has been cut in half and transported to a Kalgoorlie based laboratory. Samples were oven dried, crushed to a nominal 10mm by a jaw crusher, reduced by riffle splitting to 3kg as required and pulverized in a single stage process to 85% passing 75 µm. The sample is then prepared by standard fire assay techniques with a 40g of 50g charge. Approximately 200g of pulp material is returned to EXG for storage and potential assay at a later date.</li> <li>Due to the presence of coarse gold and</li></ul>
Drilling techniques	<ul> <li>Drill type (e.g. core, reverse circulation, open- hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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).</li> </ul>	<ul> <li>Prior to 2009 19 DC and 420 RC holes were drilled by previous owners over the area. These holes are without documentation of the rig type and capability, core size, sample selection and handling.</li> <li>For (post 2009) EXG and BDC drilling, the RC drilling system employed the use of a face sampling hammer and a nominal 146mm diameter drill bit. The DC drilling is NQ2 size core (nominal 50.6mm core diameter) or HQ (nominal 63.5mm core diameter).</li> <li>All EXG and BDC drill core is orientated by the drilling contractor with a down the hole Ace system. Core diameter is noted in the assay results table for DC assay results.</li> </ul>
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples</li> <li>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.</li> </ul>	<ul> <li>All EXG and BDC RC 1m samples are logged for drilling recovery by a visual estimate and this information is recorded and stored in the drilling database. At least every 10<sup>th</sup> metre is collected in a plastic bag and these are weighed when they are utilized for the collection of field duplicate samples. All samples received by the laboratory are weighed with the data collected and stored in the database.</li> <li>The EXG and BDC DC samples are orientated, length measured and compared to core blocks placed in the tray by the drillers, any core loss or other variance from that expected from the core blocks is logged and recorded in the database. Sample loss or gain is reviewed on an ongoing basis and feedback given to the drillers to enable the best representative sample to always be obtained.</li> <li>EXG RC samples are visually logged for moisture content, sample recovery and contamination. This is information is stored in the database. The RC drill system utilizes a face sampling hammer which is industry best practice and the contractor aims to maximize recovery at all times. RC holes are drilled dry whenever practicable to maximize recovery of sample.</li> <li>The DC drillers use a core barrel and wire line unit to recover the core, they aim to recover all core at all times and adjust their drilling methods and</li> </ul>



Logging	<ul> <li>rates to minimise core loss, i.e. different techniques for broken ground to ensure as little core as possible is washed away with drill cuttings.</li> <li>Study of sample recovery vs gold grade does not show any bias towards differing sample recoveries or gold grade. The drilling contractor uses standard industry drilling techniques to ensure minimal loss of any size fraction.</li> <li>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.</li> <li>All EXG and BDC RC samples are geologically logged directly into hand-held Geobank devices.</li> <li>All EXG and BDC DC is logged for core loss, marked into metre intervals, orientated, structurally logged, geotechnically logged and logged with a hand lens with the following parameters recorded where observed: weathering, regolith, rock type, alteration, mineralization, shearing/foliation and any other features that are present</li> <li>All EXG and BDC DC is photographed both wet and dry after logging but before cutting.</li> <li>The total length and percentage of the relevant intersections logged.</li> <li>The entire lengths of EXG RC holes are logged on a 1m interval basis, i.e. 100% of the drilling is logged, and where no sample is returned due to voids (or potentially lost sample) it is logged and recorded as such. Drill core is logged over its entire length and any core loss or voids intersected are recorded.</li> </ul>
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether guarter, half or all core taken.</li> <li>If non-core, whether infifted, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> <li>EXG and BDC DC samples are oven dried, jaw crushed to nominal collected, including for instance results for the 40g fire assay charge.</li> <li>The EXG and BDC DC samples are oven dried, jaw crushed to nominal collected, including for instance results for the 40g fire assay charge.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> <li>EXG and BDC RC amples submitted to the laboratory are sorted and approximately 200g extracted by spatula to a numbered paper bag that is used for the 40g fire assay charge.</li> <li>EXG and BDC RC and DC samples submitted to the laboratory are sorted and standards with blanks submitted in sample number sequence at 1 in 50 and standards with blanks submitted in sample number sequence at 1 in 50 and standards with blanks submitted in sample number sequence at 1 in 50 and standards with blanks submitted in sample port on the cone splitter is bagged and placed in order on the ground with other samples. This sample is then used for collected after results are received from the original sample asay. Generally, field duplicates are only collected where the original sample sizes are considered to be appropriate for the type, style, thickness and consistency of minternal standards or be appropriate for the type, style, thi</li></ul>
Quality of assay data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable</li> <li>EXG and BDC has routinely used local Kalgoorlie Certified Laboratories for all sample preparation and analysis. The most commonly used laboratories have been SGS Australia and Bureau Veritas Australia which has two facilities in Kalgoorlie. No complete details of the sample preparation, analysis or security are available for either the historic AC, DD or RC drilling results in the database.</li> <li>The assay method is designed to measure total gold in the sample. The laboratory procedures are appropriate for gold analysis at this project given its mineralization style. The technique involves using a 40g or 50g sample charge with a lead flux which is decomposed in a furnace with the prill being totally digested by 2 acids (HCl and HNO3) before measurement of the gold content by an AA machine.</li> </ul>



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	levels of accuracy (i.e. lack of bias) and precision have been established.	<ul> <li>The QC procedures are industry best practice. The laboratory is accredited and uses its own certified reference material. The laboratory has 2 duplicates, 2 replicates, 1 standard and 1 blank per 50 fire assays.</li> </ul>
		<ul> <li>EXG and BDC submits blanks at the rate of 1 in 50 samples and certified reference material standards at the rate of 1 in 20 samples in the normal run of sample submission numbers. As part of normal procedures EXG examines all standards and blanks to ensure that they are within tolerances. Additionally, sample size, grind size and field duplicates are examined to ensure no bias to gold grade exists.</li> </ul>
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Consultant geologist, Rick Adams from Cube Consulting, John Harris of Geological Services and independent geologist Matt Ridgway, have inspected drill core and RC chips in the field to verify the correlation of mineralized zones between assay results and lithology/alteration/mineralization. Recent drilling has been inspected by BDC site geologists.</li> <li>A number of diamond core holes were drilled throughout the deposit to twin RC holes. These twinned holes returned results comparable to the original holes and were also used to collect geological information and material for metallurgical assessment. A number of RC holes have also been drilled that confirmed results obtained from historical drillholes.</li> <li>Primary data is sent digitally every 2-3 days from the field to BDC's Database Administrator (DBA). The DBA imports the data into the commercially available and industry accepted DataShed database software. Assay results are merged when received electronically from the laboratory. The responsible geologist reviews the data in the database to ensure that it is correct and has merged properly and that all data has been received and entered. Any variations that are required are recorded permanently in the database.</li> <li>No adjustments or calibrations were made to any assay data used in this report.</li> </ul>
Location of data points	<ul> <li>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</li> <li>Specification of the grid system used</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>All drill holes have their collar location recorded from a hand held GPS unit. Subsequent to drilling holes were picked up using RTKGPS by the mine surveyor or by contracted surveyors. Downhole surveys are completed every 30m downhole. No detailed down hole surveying information is available for the historic RC or DD drilling.</li> <li>EXG routinely contracted down hole surveys during the programmes of exploration RC drilling. Surveys were completed using a digital electronic multi-shot tool. Diamond drilling was downhole surveyed by rig operators using a north seeking gyro. All survey tools were maintained by Contractors to manufacturer specifications.</li> <li>All drill holes and resource estimation use the MGA94, Zone 51 grid system.</li> <li>The topographic data used was obtained from consultant surveyors and is based on a LiDAR survey flown in 2012. It is adequate for the reporting of Exploration Results and subsequent Mineral Resource estimates.</li> </ul>
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> </ul>	<ul> <li>The nominal exploration drill spacing is 40m x 40m with many E-W cross-sections in-filled to 20m across strike. This has been infilled with variable spacing for Resource estimate purposes to 20 x 20m and with Grade control to 7.5 x 5m (N x E) spacing.</li> <li>The drill spacing, spatial distribution and quality of assay results is sufficient to support the JORC classification of material reported previously and is appropriate for the nature and style of mineralisation being reported.</li> <li>The majority of RC holes were sampled at 1m, but when this isn't the case, sample compositing to 4m has been applied.</li> </ul>
Orientation of data in relation to geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	<ul> <li>The majority of drilling is to grid east. The bulk of the mineralized zones are perpendicular to the drilling direction. Structural logging of orientated drill core supports the drilling direction and sampling method.</li> <li>2019 DC drilling was oriented towards the SSE or NNW, (sub) parallel to a unit of fractionated (prospective) dolerite. As such core has intersected mineralised structures at oblique angles</li> <li>No drilling orientation and sampling bias has been recognized at this time.</li> </ul>
Sample security	• The measures taken to ensure sample security.	<ul> <li>RC samples are delivered directly from the field to the Kalgoorlie laboratory by BDC personnel on a daily basis with no detours, the laboratory then checks the physically received samples against an EXG generated sample submission list and reports back any discrepancies</li> <li>Drill core is transported daily directly from the drill site to BDC's secure core processing facility by BDC personnel with no detours. The core is then placed on racks and processed until it requires cutting. Core was initially</li> </ul>



		transported directly by EXG's staff to the Kalgoorlie laboratory where it is cut in half by laboratory staff and then sampled by EXG staff. BDC obtained a core saw and subsequently cut core at the core processing facility. The core is then prepared for assay in Kalgoorlie
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	<ul> <li>An internal review of sampling techniques and procedures was completed in March 2013. No external or third party audits or reviews have been completed.</li> </ul>

# 1.2 Section 2 Reporting of Exploration Results - Zoroastrian

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

Criteria	JORC Code explanation	Commenta	ry			
Mineral tenement and land tenure status	<ul> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures,</li> </ul>	tenement	Its reported in this Anno s held by GPM Resources Pi old Limited.			
	partnerships, overriding royalties, native title	Tenement	Holder	Area (Ha)	Expiry Date	
	interests, historical sites, wilderness or	M24/11	GPM Resources	1.80	23/03/2025	
	national park and environmental settings.	M24/43	GPM Resources	9.28	15/10/2026	
	• The security of the tenure held at the time of	M24/99	GPM Resources	190.75	02/12/2028	
	reporting along with any known impediments	M24/121	GPM Resources	36.95	02/11/2029	
	to obtaining a licence to operate in the area.	M24/135	GPM Resources	17.75	10/06/2029	
		M24/869	GPM Resources	7.16	21/10/2024	
		M24/870	GPM Resources	7.04	21/10/2024	
		M24/871	GPM Resources	9.72	21/10/2024	
		M24/951	GPM Resources	190.03	16/04/2036	
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	royalties, Project. • Exploratio EXG's and	me the tenements are in go duties or other fees impa n by other parties has been I BDC's exploration activitie	reviewed and was u s. This includes wo	Kalgoorlie North ised as a guide to rk by AMAX, Hill	
		Minerals, Aberfoyle and Halycon Group. Previous parties have completed both open pit and underground mining, geophysical data collection and				
Geology	<ul> <li>Deposit type, geological setting and style of mineralisation.</li> <li>The deposit occurs on the eastern limb of a narrow NNW trending struther Bardoc-Broad Arrow syncline within the Bardoc Tectonic Zone. Zone the sequence comprises highly deformed fault slice len intercalated Archaean mafic and ultramafic volcanics and metasedim</li> <li>The mineralisation in the Zoroastrian area is predominately associate a complex array of multiple dimensional and variable orientated veins and stock works within the differentiated Zoroastrian Doler places a surficial 1-2m thick calcrete/lateritic gold bearing horizon and near surface supergene pods exist.</li> <li>The Zoroastrian dolerite which hosted the 1m+oz mine at Paddington itse both deposits bounded to the west by the Black Flag sediments and east by the Mount Corlac ultramafics. Shear zones up to 10m containing gold bearing laminated quartz veining (Scm to 1m wide) on both contacts.</li> <li>In late 2018 a fractionated unit within the dolerite sequence was of using multielement pXRF data and machine learning. This dolerite NNW a dips steeply to the NE. This unit is a preferred host for mineralisation where intersected by mineralised structures.</li> <li>At Zoroastrian slivers of the intruded sequence occur apparently inter the dolerite throughout the area suggesting a more complex thrust/structural system than is readily apparent. Geological and struit conflicting mapping and logging of the different units particularly be</li> </ul>					
Drill hole Information	<ul> <li>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:         <ul> <li>easting and northing of the drill hole collar</li> <li>See Table 4 of this announcement</li> <li>No results from previous un-reported exploration are the subject announcement.</li> <li>Dip is the inclination of the hole from the horizontal (i.e. a verticall drilled hole from the surface is -90°). Azimuth is reported in m degrees as the direction toward which the hole is drilled. MGA magnetic degrees vary by approximately 1° in this project area</li> </ul> </li> </ul>				a vertically down rted in magnetic led. MGA94 and	



Data aggregation methods	<ul> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole odwn hole length and interception depth</li> <li>hole length.</li> <li>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.</li> <li>No high grade cuts have been applied to assay results. RC assay results are distance weighted using 1m for each assay.</li> <li>Intersections are reported if the interval is at least 1m wide at 0.5g/t Au grade. Intersections greater than 1m in downhole distance can contain up to 2m of low grade or barren material.</li> <li>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 stated and some typical examples of such aggregations should be stated.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</li> <li>The intersection width is measured down the hole trace, it is not usually the true width. Cross sections in this announcement allows the relationship between true and down hole width to be viewed.</li> <li>Data collected historical workings and shafts exist within the area and structural measurements from orientated diamond core drilling show the primary ore zones to be sub-vertical to steep west dipping in nature with a general northerly strike.</li> <li>All drill results within this announcement are downhole intervals only and due to variable mineralisation and style true widths are not able to be calculated until modelling of the mineralisation.</li> </ul>
Diagrams	<ul> <li>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.</li> <li>Plan and cross sectional views are contained within this announcement.</li> </ul>
Balanced reporting	<ul> <li>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.</li> <li>All results &gt;= 0.5g/t Au are reported. The results are length weighted composites based on the Au grade and down hole length, a maximum of 2m of internal dilution is included.</li> </ul>
Other substantive exploration data	<ul> <li>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.</li> <li>No other exploration data is considered meaningful and material to this announcement.</li> </ul>
Further work	<ul> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> <li>Exploration work is ongoing at this time and may involve the drilling of more drill holes, both DC and RC, to further extend the mineralised zones and to collect additional detailed data on known mineralized zones.</li> <li>No additional information can be made available at this time as it is conceptual in nature and commercially sensitive.</li> </ul>