

11 JUNE 2019

**ASX/MEDIA RELEASE** 

# SOUTH CASTLEREAGH CONTINUES TO GROW WITH NEW BROAD HIGH-GRADE RESULTS

Outstanding widths and grades extend mineralisation both along strike and at depth

# **Key Points:**

- South Castlereagh continues to deliver strong widths and grades of mineralisation in fresh rock:
  - 14m @ 4.04g/t from 130m in KNC190034, including 7m @ 5.78g/t Au from 131m
- This new result supports the intercept of 23m @ 2.27g/t Au from 138m including 4m 6.63g/t Au from 152m in KNC190010 (ASX release 16 April 2019), demonstrating continuity of mineralisation at depth.
- Diamond core drilling is being planned for South Castlereagh to better understand the geology of the area and to assist with the targeting of additional interpreted high-grade shoots and increase confidence levels.
- Extensional diamond core drilling continuing at the high-grade 428koz Zoroastrian Deposit and RAB/Air-core drilling for regional exploration on track to commence this month.

Bardoc Gold Limited (ASX: **BDC**, **Bardoc** or **the Company**) is pleased to announce further significant gold assay results from the recently expanded +40,000m exploration drilling program at its 100%-owned **2.6Moz Bardoc Gold Project**, located 55km north of Kalgoorlie in Western Australia.

The latest results – from the rapidly growing South Castlereagh prospect, located ~3km south of the 428koz Zoroastrian Deposit – include significant widths and grades of gold mineralisation which are continuing to extend the mineralised zones at depth and along strike.

The drilling results will be included in updated Mineral Resource estimates planned for later in the year.

# **SOUTH CASTLEREAGH**

The gold mineralisation at South Castlereagh continues to develop, as seen in the excellent widths and grades returned from the current RC drill program. New assay results from South Castlereagh include:

- 14m @ 4.04g/t from 130m in KNC190034 including 7m @ 5.78g/t Au from 131m
- 5m @ 2.27g/t Au from 51m in KNC190030
- 8m @ 1.64g/t Au from 20m in KNC190028



This complements the significant results reported from South Castlereagh in April this year, including:

- 15m @ 4.57g/t Au from 17m in KNC190003 (ASX announcement 8/4/19), including
  - 4m @ 10.52g/t Au from 18m
- 6m @ 2.80g/t Au from 97m in KNC190004 (ASX announcement 8/4/19)
- 8m @ 3.39g/t Au from 13m in KNC190005 (ASX announcement 8/4/19)
- 23m @ 2.27g/t Au from 138m in KNC190010, (ASX announcement 16/4/19) including
  - 4m @ 6.63g/t Au from 152m
- 12m @ 1.40g/t Au from 133m in KNC190012, (ASX announcement 16/4/19) including
  - 3m @ 2.98g/t Au from 142m

When viewed in combination, the recent drilling highlights a zone of significant, repeatable gold mineralisation developing at South Castlereagh. Of significance is that the drilling results from KNC190010 and KNC190034 are located some 150m apart in a north-south direction, and the recently successfully mined (2016) Castlereagh Pit is only 500m to the north.

The mineralisation at South Castlereagh is recognised as being associated with the Excelsior Shear. The Excelsior Shear is a regionally identifiable, significant structure within the Bardoc Tectonic Zone (BTZ), which is interpreted as the northern extension of the Boulder Lefroy Fault.

The BTZ is a geologically complex zone that hosts multiple gold deposits, of which the Paddington Deposit lies to the south and Bardoc Gold's Excelsior Deposit to the north are the closest geographically.

This area of the BTZ, at South Castlereagh, is where splays of the regionally significant Black Flag Fault terminate. As a result, there are multiple known ore hosting rock types and structurally appropriate areas that may host gold mineralisation.

South Castlereagh is at the southern end of the Excelsior Shear, a locally significant shear that contains multiple broad zones of mineralisation along its' 5km strike length. The Excelsior Shear already hosts Bardoc Gold's 309koz Au Excelsior Deposit and the 28koz Au Lochinvar Deposit and the Company intends to further explore this shear as part of its ongoing exploration effort.

Further drilling is planned for South Castlereagh to test strike and depth extensions. Diamond core drilling is being planned to target areas that will best add geological and mineralisation knowledge to the prospect and allow the Company's geologists to develop an integrated exploration model that will include structural data, pXRF data for both major and trace (gold mineralisation pathfinder) elements and fundamental geological logging information.

By developing a scientifically-based exploration model, further drilling can then be optimally targeted at areas that are most likely to contain zones of economic gold mineralisation.

Results from this announcement and previous Company announcements from 2019 will be included in an updated Mineral Resource estimate planned for later this year.

#### **MANAGEMENT COMMENTS**

Bardoc Gold's Chief Executive Officer, Mr Robert Ryan, said the outstanding results being generated from drilling emerging areas like South Castlereagh vindicates its recent decision to significantly expand its exploration and resource development drill program at the Bardoc Gold Project.



"South Castlereagh is continuing to deliver exceptional results both near surface and at depth. The width and grade of the intercepts are conducive to both open pit and underground mining methods.

"This continues our focus on developing resources which can justify both near-term development through open pit mining methods and longer-term exploitation through underground mining. It also highlights the significant potential at depth at South Castlereagh and other prospects where historical drilling has yet to test below the depletion zone.

"A maiden Mineral Resource estimate for South Castlereagh is expected as part of our Q3 Resource update, which should see an overall increase in the current 2.6Moz Mineral Resource estimate. We will continue our aggressive approach to the growth and development of the Project through the expanded +40,000m exploration program."

"The updated Mineral Resource estimate in Q3 will provide the foundation for a Feasibility Study for the Bardoc Gold Project which is scheduled for release in Q4 2019."

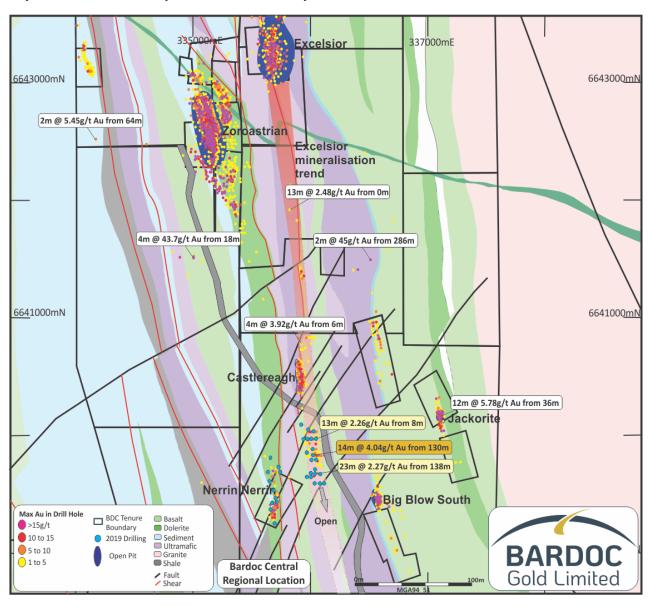


Figure 1. Location plan of South Castlereagh





Figure 2. South Castlereagh drill hole location plan



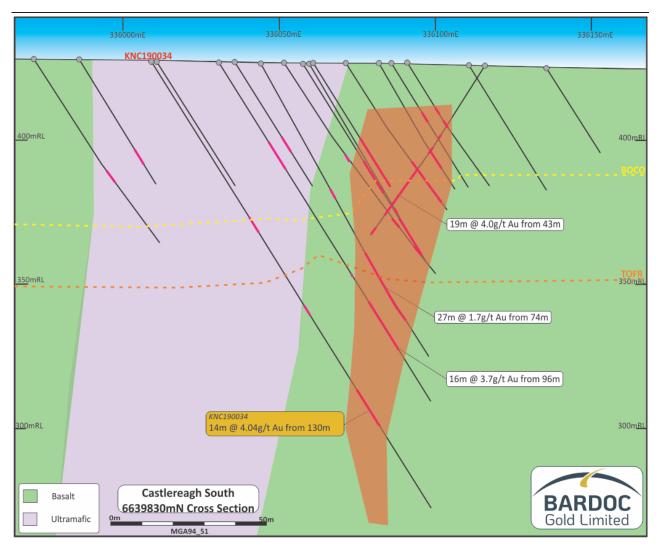


Figure 3. Castlereagh Cross-Section, +/-10m, looking north

### **NEXT STEPS**

- Further RC drilling being planned to extend the known mineralization at South Castlereagh.
- Diamond core drilling also being planned at South Castlereagh to further develop the geological understanding of the area.
- Diamond drilling continuing at the 428koz Zoroastrian deposit, where drilling is targeting the **fractionated dolerite**, with assay results expected in the coming weeks.
- RAB/Air-core rig expected on site later this month to commence the regional exploration program.

## **BARDOC GOLD PROJECT – BACKGROUND**

The New 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 (refer Scheme Booklet dated 13 August 2018). The New Bardoc Gold Project runs contiguously north for 50km in the Eastern Goldfields. There are four main deposits and a multitude of smaller projects within the 200km² 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 world- renowned Golden Mile in Kalgoorlie.



# **GLOBAL RESOURCE – BARDOC GOLD PROJECT**

BARDOC GOLD RESOUR		T	М	EASUR	ED	INI	DICATE	D	IN	IFERRE	D	TOTAL	RESOL	JRCES	
Deposit	Туре	Cut-Off (g/t Au)	Tonnes (,000t)	Grade (g/t Au)	Ounces (,000oz)	Original ASX Report Date									
Aphrodite	OP	0.5	-	-	-	9,716	1.7	543	5,646	1.5	273	15,361	1.7	816	
Aphrodite	UG	2.5	-	-	-	2,895	4.5	417	1,920	5.4	330	4,815	4.8	747	
Aphrodite	TOTAL		-	-	-	12,611	2.4	960	7,566	2.5	603	20,176	2.4	1,563	
Zoroastrian	OP	0.5	-	-	-	3,702	1.9	228	1,730	1.6	87	5,432	1.8	315	
Zoroastrian	UG	2.5	-	-	-	336	4.1	273	476	4.5	68	812	4.3	113	
Zoroastrian	TOTAL		-	-	-	4,038	2.1	273	2,206	2.2	155	6,244	2.1	428	
Excelsior	ОР	0.5	-	-	-	6,259	1.3	259	1,469	1.1	50	7,728	1.2	309	
Mulwarrie	ОР		-	-	-	-	-	-	881	2.8	79	881	2.8	79	
Bulletin South	ОР	0.5	152	2.2	11	546	2.1	36	150	2.1	10	849	2.1	57	
Lochinvar	ОР	0.6	-	-	-	448	1.7	25	60	1.7	3	508	1.7	28	19-Feb-14
Nerrin Nerrin	ОР	0.6	-	-	-	74	2.4	6	107	2.4	8	181	2.4	14	15-Nov-13
Ophir	ОР	0.6	-	-	-	-	-	-	75	1.9	5	75	1.9	5	11-Dec-13
Vettersburg South	ОР	0.6	-	-	-	-	-	-	552	1.5	26	552	1.5	26	11-Dec-13
Eldorado	ОР	0.6	-	-	-	362	1.6	19	31	1.4	1	393	1.6	20	11-Sep-13
Talbot North *	ОР	0.6	-	-	-	-	-	-	662	1.7	36	662	1.7	36	31-Mar-10
Windanya	ОР	0.6	-	-	-	-	-	-	360	1.5	17	360	1.5	17	11-Dec-13
TOTAL RESC	OURCES		152	2.3	11	24,338	2.0	1,578	14,118	2.2	993	38,608	2.1	2,582	1

<sup>\*</sup> This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

Note: Differences may occur due to rounding. Full details of the Mineral Resource estimate were provided in the Company's ASX Announcement dated 13 November 2018.

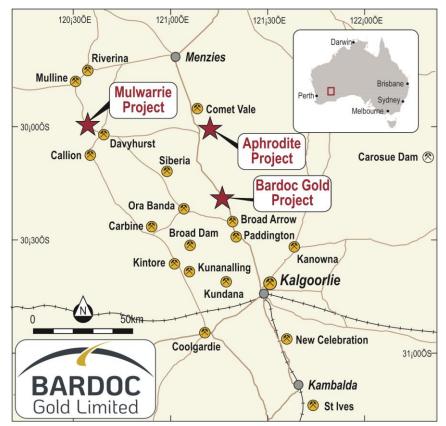


Figure 4: Project Location Plan.



# **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.

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

The Company confirms it is not aware of any new information or data that materially affects the information included in the 13 November 2018 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 13 November, 2018.

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.



# Appendix 1

Table 1 – Drill Hole Location Table

	Collar North	Collar East	6.1181	Collar	Collar Azi	Maximum
Hole ID	(MGA94-z51) m	(MGA94-z51) m	Collar RL m	Dip⁰	Magnetic <sup>0</sup>	Depth m
KNC190024	6639590	336030	425	-60	90	180
KNC190025	6639590	336070	425	-60	90	180
KNC190026	6639590	336110	425	-60	90	180
KNC190027	6639710	336030	425	-60	90	185
KNC190028	6635068	333865	430	-60	90	131
KNC190029	6635027	333860	430	-60	90	100
KNC190030	6635037	333877	430	-60	90	100
KNC190031	6639970	335937	430	-60	90	230
KNC190032	6639670	336025	426	-60	90	192
KNC190033	6639650	336008	426	-60	90	186
KNC190034	6639830	336010	426	-60	90	174
KNC190035	6639650	335998	426	-60	90	210

# Appendix 2

Table 2 - Significant Intersections (>= 1m@ 0.5g/t Au), Intersections >= 10grammetres are in **bold**. Maximum 2m 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		
South Castlereagh						
KNC190024	nsa					
KNC190025	nsa					
KNC190026	nsa					
KNC190027	113	115	2	0.75		
KNC190027	172	173	1	0.68		
KNC190028	20	28	8*	1.64		
KNC190029	19	20	1	0.95		
KNC190029	38	39	1	0.51		
KNC190030	51	56	5	2.27		
KNC190031	135	136	1	0.52		
KNC190032	145	146	1	1.60		
KNC190033	nsa					
KNC190034	53	54	1	0.52		
KNC190034	61	65	4	0.71		
KNC190034	96	100	4	0.63		
KNC190034	130	144	14	4.04		
including	131	138	7	5.78		
KNC190035	170	174	4	1.28		
KNC190035	178	181	3	0.61		



# JORC, 2012 Edition – Tables – South Castlereagh

# 1.1 Section 1 Sampling techniques and data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul> <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 coarse 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>The mineralization was primarily sampled by Reverse Circulation (RC) drilling on nominal 40m x 20m grid spacing. The holes were generally drilled towards magnetic 90 degrees at varying angles to optimally intersect the mineralized zones.</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>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 charge. Approximately 200g of pulp material is returned to BDC for storage and potential assay at a later date. The BDC DC samples are collected at nominated intervals by BDC staff from core that has been cut in half. 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 charge. Approximately 200g of pulp material is returned to BDC for storage and potential assay at a later date.</li> </ul>
Drilling techniques	Drill type (e.g. core, reverse circulation, openhole 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).	<ul> <li>RAB drilling makes up about 50% of the historic drilling and RC the other 50%. There are several campaigns of historic drilling between 1983 and 2012. These holes are sometimes without documentation of the rig type and capability, core size, sample selection and handling.</li> <li>For BDC drilling, the RC drilling system employed the use of a face sampling hammer and a nominal 146mm diameter drill bit.</li> </ul>
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.	<ul> <li>All 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>BDC 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>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> </ul>
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.	All BDC RC samples are geologically logged. The entire lengths of BDC 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
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> </ul>	<ul> <li>All BDC RC samples are put through a cone splitter and the sample is collected in a unique pre-numbered calico sample bag. The moisture content of each sample is recorded in the database.</li> <li>The BDC RC samples are sorted, oven dried, the entire sample is pulverized in a one stage process to 85% passing 75 µm. The bulk pulverized sample is then bagged and approximately 200g extracted by spatula to a numbered paper bag that is used for the 50g fire assay charge.</li> </ul>



	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.	against the submission documents. BDC inserts blanks and standards with blanks submitted in sample number sequence at 1 in 50 and standards submitted in sample number sequence at 1 in 20. The laboratory uses their own internal standards of 2 duplicates, 2 replicates, 2 standards, and 1 blank per 50 fire assays. The laboratory also uses barren flushes on the pulveriser. In the field every 10 <sup>th</sup> metre from the bulk sample port on the cone splitter is bagged and placed in order on the ground with other samples. This sample is then used for collection of field duplicates via riffle splitting. RC field duplicate samples are collected after results are received from the original sample assay. Generally, field duplicates are only collected where the original assay result is equal to or greater than 0.1g/t Au. The field duplicates are submitted to the laboratory for the standard assay process. The laboratory is blind to the original sample number.  For DC, historically no core duplicates (i.e. half core) have been collected or submitted.  The sample sizes are considered to be appropriate for the type, style, thickness and consistency of mineralization located at this project. The sample size is also appropriate for the sampling methodology employed and
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 (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	<ul> <li>BDC has routinely used local Kalgoorlie Certified Laboratories for all sample preparation and analysis. The most commonly used laboratories have been Intertek Genalysis and Bureau Veritas Australia. 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 the testing of gold 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> <li>The QC procedures are industry best practice. The laboratories are accredited and use their own certified reference materials.</li> <li>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 BDC 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	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.	BDC's Exploration Manager and Senior Resource Geologist have inspected RC chips in the field to verify the correlation of mineralized zones between assay results and lithology/alteration/mineralization.  A number of RC holes have also been drilled that confirmed results obtained from historical drillholes. No holes have been directly twinned, there are however holes within 12m of each other.  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.  No adjustments or calibrations were made to any assay data used in this report.
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.	Downhole surveys are completed every 30m downhole. Incomplete down hole surveying information is available for the historic RC or DD drilling.  BDC routinely contracted down hole surveys during the programmes of exploration drilling for each drill hole completed using either digital electronic multi-shot tool or north seeking gyro, both of which are maintained by Contractors to manufacturer specifications. The current drill program was downhole surveyed by the drill contractor using north seeking gyro.  All drill holes and resource estimation use the MGA94, Zone 51 grid system. The topographic data used was obtained from a LIDAR survey flown in 2012 and it is adequate for the reporting of Exploration Results and subsequent Mineral Resource estimates.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	The nominal exploration drill spacing is 40m x 20m with many E-W cross-sections in-filled to 15m across strike.



	<ul> <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.</li> <li>Whether sample compositing has been applied.</li> <li>This report is for the reporting of recent exploration drilling. The drill spacing, spatial distribution and quality of assay results 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> <li>The majority of previous drilling is to magnetic east. The bulk of the mineralized zones are perpendicular to this drilling direction.</li> <li>The current drilling is oriented towards local grid east (magnetic 89 degrees) in order to intersect the lodes in the optimal direction.</li> <li>There is not thought to be any sampling bias from the intersection angle of the drilling and the lode orientation.</li> </ul>
Sample security	The measures taken to ensure sample security.  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 BDC generated sample submission list and reports back any discrepancies.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.  • An internal review of sampling techniques and procedures was completed in March 2018. No external or third party audits or reviews have been completed.

# 1.2 Section 2 Reporting of Exploration Results – South Castlereagh

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

Criteria	JORC Code explanation	Commenta	ry			
Mineral tenement and	Type, reference name/number, location and ownership including agreements or material	The results reported in this Announcement are on granted Mining tenements held by GPM Resources Pty Ltd.				
land tenure	issues with third parties such as joint ventures,	Tenement	Holder	Area (Ha)	Expiry Date	
status	partnerships, overriding royalties, native title	M24/348	GPM Resources Pty Ltd	610.5	10/01/2032	
	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.	At this time the tenements are in good standing.				
Exploration done by other parties	<ul> <li>Acknowledgment and appraisal of exploration by other parties.</li> <li>Exploration by other parties has been reviewed and is used as a gui BDC's exploration activities. This includes work by Goldfields and exploration companies. Previous parties have completed both operand underground mining, geophysical data collection and interpretation is sampling and drilling.</li> <li>This report comments only on exploration results collected by Barting and Gold.</li> </ul>					
Geology	Deposit type, geological setting and style of mineralisation.	predon associa mafic c and qu of poss interpr traced again tl enrichr workin; samplii	mary gold mineralisation in the ninately associated with a 10-ted second order structures a contact. This mineralisation is artz, sericite, carbonate, sulplible stockworks at intersection the surface depletion has contact. Whilst structures and pitto the surface depletion has contact the surface depletion and structure of these workings and structure fithe geological interpretation	20m wide shear zo adjacent to an ultra associated with intra ide alteration. The ns of structures is a rimary gold mineral occurred in the top Sub-horizontal sup- out the regolith. His area. Detailed map ctural measuremen	ne and mafic and ense shearing development ilso isation can be 20-30m and ergene itorical ping and	
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	No result: announce     Easting all projection conforms Grid syste     Dip is the drilled hold in magne MGA94 all     Down hold	in this announcement is from previous un-reported ment.  Ind Northing define the collable. The map projection is a trawith the internationally accem. Collar elevations are RL's (inclination of the hole from the surface is -90°). Az tic degrees as the direction and magnetic degrees vary by a le length of the hole is the distance of the hole is the hole is the hole is the distance of the hole is t	r location in MGA nsverse Mercator p pted Universal Tran elevation above se the horizontal (i.e. imuth for current d toward which the approximately 1° in tance from the surf	94 zone 51 map projection, which asverse Mercator a level) a vertically down rilling is reported to hole is drilled. this project area ace to the end of	



	and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.  down the hole as measured along the drill trace. Intersection width is the downhole distance of an intersection as measured along the drill trace.  Hole length is the distance from the surface to the end of the hole, as measured along the drill trace.
Data aggregation methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</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 shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</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>No metal equivalent reporting is used or applied.</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 from historical workings and shafts within the area and from structural measurements from orientated diamond core drilling show the primary ore zones to be sub-vertical (east dipping) in nature with a general northwesterly (magnetic) strike.</li> <li>All drill results within this announcement are downhole intervals only and true widths are not reported. True widths are approximately 40% of the reported drill intercept widths.</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	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 is considered meaningful and material to this announcement.
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 and as yet unidentified mineralized zones.</li> </ul>