

27 MAY 2021

**ASX/MEDIA RELEASE** 

# HIGH-GRADE RESULTS FROM APHRODITE OMEGA LODE OUTSIDE ORE RESERVE ENVELOPE

Exceptional results including 14m @ 7.63g/t Au indicate potential to expand Reserve and Resource inventory

#### **Key Points:**

- New high-grade drilling results from the Omega Lode at Aphrodite, outside of the current Stage 1 open pit design:
  - 5m @ 3.99g/t Au from 67m in 21APRC0042
  - 14m @ 7.63g/t Au from 106m in 21APRC0042
  - 2m @ 13.8g/t Au from 140m in 21APRC0045
  - 7m @ 2.35g/t Au from 123m in 21APRC0047
  - 5m @ 2.60g/t Au from 63m in 21APRC0041
- New results will be incorporated into the next Mineral Resource model update and may be included in future Ore Reserve estimates after optimisations have been completed.
- Latest assays support previously-reported results from the Omega Lode (see ASX announcement 14 July 2020), which included:
  - 37m @ 6.21g/t Au including 13m @ 10.94g/t Au from 90m in 20APRC0006
  - 7m @ 8.95g/t Au including 4m @ 15.07g/t Au from 132m in 20APRC0001
- At Zoroastrian, deep diamond core drilling is in progress to test for depth extensions of the high-grade Blueys South and Zoroastrian South lodes.
- Mining Proposal submitted for the Zoroastrian mining operations, processing facility and construction of the waste land forms and tailings dam.

Bardoc Gold Limited (ASX: **BDC**, **Bardoc** or **the Company**) is pleased to advise that it has intersected broad zones of shallow, high-grade mineralisation within the Omega Lode at the 1.7Moz Aphrodite Gold Deposit, which forms part of its flagship **1Moz Reserve/3.07Moz Resource Bardoc Gold Project**, located 40km north of Kalgoorlie in Western Australia.

The latest results, which sit outside of the current Ore Reserve envelope, are located at the southern end of the Aphrodite Stage 1 open pit and indicate potential to further increase the existing project-wide 1.0Moz Ore Reserve and 3.07Moz Mineral Resource inventory.



The Aphrodite Deposit is a multi-lode system located 20km north of the Excelsior/Zoroastrian deposits where the processing facility for the Bardoc Gold Project will be located.

It forms a key baseload ore feed in the later years of the mine plan, which was outlined in the recently completed Definitive Feasibility Study which forecast gold production of 136kozpa with pre-tax cashflow of A\$740M based on a forecast AISC of A\$1,188/oz (Refer ASX Release 29 March 2021).

#### **MANAGEMENT COMMENTS**

Bardoc Gold's Chief Executive Officer, Mr Robert Ryan, said the new drilling results at Omega further highlight the outstanding growth potential across the broader Aphrodite region, where environmental approvals are now underway ahead of the planned start of construction by year-end.

"These new results within the Omega Lode are situated just outside the proposed Stage 1 open pit shell at Aphrodite and offer strong potential to significantly add to the current Resource and Reserve inventory. The high-grade nature of Omega Lode also presents the opportunity to expand the proposed underground mine plans at Aphrodite.

"Recent drilling success across the Omega, Sigma and Gamma lodes at Aphrodite show these additional mining areas have the potential to underpin strong and sustainable production well beyond the current eight year plus mine plan.

"The mining proposal has now been submitted in line with our development schedule, putting us ontrack to commence construction of the 2.1Mtpa processing facility in the December 2021 Quarter."



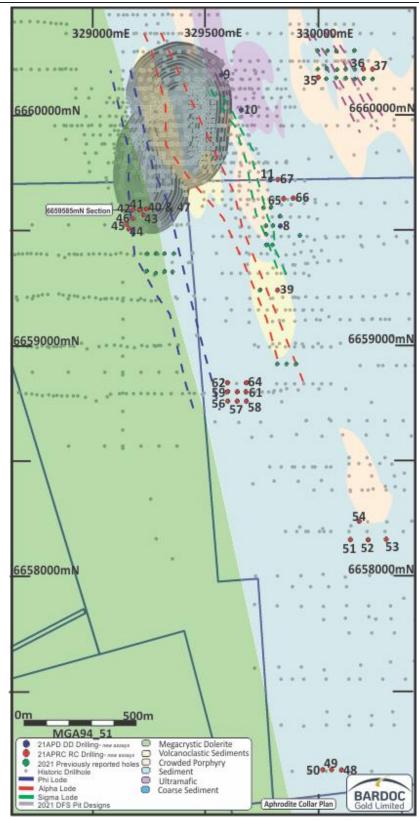


Figure 1: Aphrodite drill hole location plan

#### **APHRODITE OMEGA LODE DRILLING RESULTS**

The Aphrodite Deposit has a current Resource of 1.7Moz of contained gold and a Reserve of 573koz of contained gold from both open pit and underground mining methods. The Omega Lode is located on the southern edge of the Aphrodite Stage 1 Open Pit and is not included in the current Reserves. These recent results from the Omega Lode have intersected mineralisation that is just outside the southern pit wall of the



Stage 1 open pit, as seen in the cross section below, which presents an opportunity to either deepen the proposed open pit and/or potentially extend the Aphrodite underground mine.

Results from this drilling program include:

- 5m @ 3.99g/t Au from 67m in 21APRC0042
- 14m @ 7.63g/t Au from 106m in 21APRC0042
- 2m @ 13.8g/t Au from 140m in 21APRC0045
- 7m @ 2.35g/t Au from 123m in 21APRC0047
- 5m @ 2.60g/t Au from 63m in 21APRC0041

Previously-reported results from the Omega Lode (see ASX Announcement 14 July 2020) included:

- 37m @ 6.21g/t Au including 13m @ 10.94g/t Au from 90m in 20APRC0006
- 7m @ 8.95g/t Au including 4m @ 15.07g/t Au from 132m in 20APRC0001

The Omega Lode is a north-south striking lode that trends sub-parallel to the Phi Lode. Omega is about 50-80m west of the Phi trend and is geologically controlled by the proximity of a dolerite and fine grained porphyry.

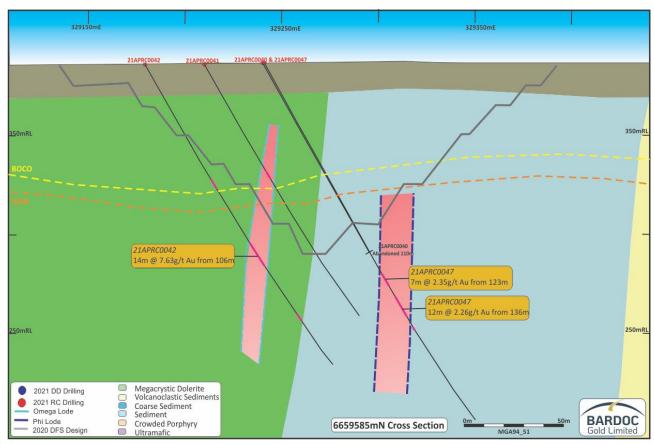


Figure 2: Sigma 6659600mN +/-10m looking north

#### **NEXT STEPS**

- EPC Tender review for the construction of the 2.1Mtpa gold processing plant underway.
- Diamond core drilling testing for depth extensions of the high-grade Zoroastrian Lodes is ongoing.



# **BARDOC GOLD PROJECT – BACKGROUND**

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 250km² 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.

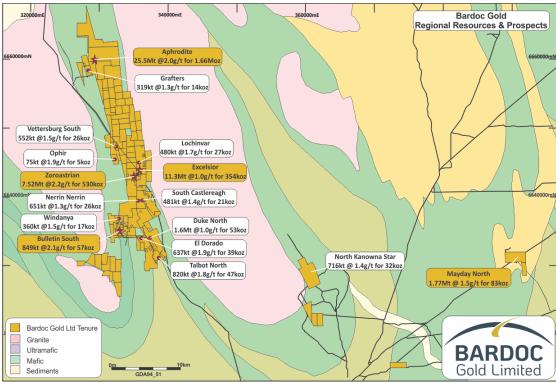


Figure 3: Bardoc Gold Project, tenement location plan.



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

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		Cut-Off	MEASURED			INDICATED			INFERRED			TOTAL RESOURCES		
Deposit	Type	(g/t Au)	Tonnes (,000t)	Grade (g/t Au)	Ounces (,000oz)									
Aphrodite	OP	various	-	-	-	13,458	1.5	666	5,321	1.3	229	18,780	1.5	895
Aphrodite	UG	1.7	-	-	-	4,156	3.7	497	2,571	3.3	271	6,726	3.6	768
Aphrodite	TOTAL		-	-	-	17,614	2.1	1,163	7,892	2.0	500	25,506	2.0	1,663
Zoroastrian	OP	0.3	-	-	-	3,987	1.8	231	1,918	1.5	90	5,904	1.7	321
Zoroastrian	UG	1.6	-	-	-	800	4.7	120	812	3.4	90	1,612	4.0	209
Zoroastrian	TOTAL		-	-	-	4,787	2.3	351	2,730	2.0	180	7,516	2.2	530
Excelsior	OP	0.3	-	-	-	9,645	1.0	313	1,685	0.8	41	11,330	1.0	354
Mayday North	OP	0.5	-	-	-	1,303	1.6	66	431	1.2	17	1,778	1.5	83
Talbot North	OP	0.4	-	-	-	698	1.8	40	123	1.8	7	820	1.8	47
Bulletin South	OP	0.4	152	2.2	11	546	2.1	36	150	2.1	10	849	2.1	57
Duke North	OP	0.4	-	-	-	851	1.0	28	795	1.0	25	1,646	1.0	53
Lochinvar	OP	0.4	-	-	-	423	1.8	24	57	1.6	3	480	1.7	27
El Dorado	OP	0.5	-	-	-	203	1.4	9	383	1.5	18	586	1.5	28
El Dorado	UG	2.0	-	-	-	-	-	-	51	6.5	11	51	6.5	11
El Dorado	TOTAL		-	-	-	203	1.4	9	434	2.1	29	637	1.9	39
North Kanowna Star	OP	0.5	-	-	-	157	1.6	8	559	1.3	24	716	1.4	32
South Castlereagh	OP	0.5	-	-	-	111	1.6	6	369	1.3	15	481	1.4	21
Mulwarrie	OP	0.5	-	-	-	-	-	-	881	2.8	79	881	2.8	79
Nerrin Nerrin	OP	0.5	-	-	-	-	-	-	651	1.3	26	651	1.3	26
Vettersburg South	OP	0.6	-	-	-	-	-	-	552	1.5	26	552	1.5	26
Windanya	OP	0.6	-	-	-	-	-	-	360	1.5	17	360	1.5	17
Grafters	OP	0.5	-	-	-	-	-	-	319	1.3	14	319	1.3	14
Ophir	OP	0.6	-	-	-	-	-	-	75	1.9	5	75	1.9	5
TOTAL RESO	URCES		152	2.3	11	36.338	1.7	2.044	18.063	1.8	1,018	54,597	1.8	3,073

Note: Differences may occur due to rounding. Full details of the Mineral Resource estimate were provided in the Company's ASX Announcement dated 29 March 2021.

# **GLOBAL RESERVE – BARDOC GOLD PROJECT**

		PROBABLE		TOTAL			
PROJECT	Tonnes	Grade	Gold	Tonnes	Grade	Gold	
	(kt)	(g/t)	(koz)	(kt)	(g/t)	(koz)	
Excelsior OP	5,690	1.11	203	5,690	1.1	203	
Zoroastrian North OP	365	2.10	25	365	2.1	25	
Zoroastrian Central OP	276	1.78	16	276	1.8	16	
Zoroastrian South OP	417	1.80	24	417	1.8	24	
Bulletin South OP	561	1.95	35	561	2.0	35	
Aphrodite Stage 1 OP	1,050	1.82	61	1,050	1.8	61	
Aphrodite Stage 2 OP	2,916	1.80	168	2,916	1.8	168	
Mayday OP	622	1.62	32	622	1.6	32	
Zoroastrian UG	839	3.63	98	839	3.6	98	
Aphrodite UG	3,139	3.41	344	3,139	3.4	344	
TOTAL	15,874	2.0	1,007	15,874	2.0	1,007	

Note: Differences may occur due to rounding. Full details of the Ore Reserve Estimate were provided in the Company's ASX Announcement dated 29 March 2021.



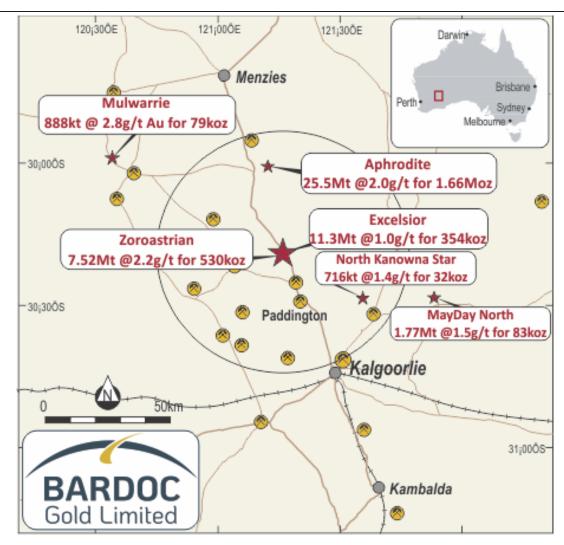


Figure 4: Project Location Plan



#### **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

#### For further information contact:

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#### **Competent Person's Statement**

#### **Exploration Results**

Information in this announcement that relates to exploration results and mineral resources 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. Mr Toms has declared that he holds Shares and Performance Rights in Bardoc Gold Limited.

#### **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 29 March 2021 Definitive Feasibility Study which included an updated Mineral Resource Estimate and is available at <a href="https://www.bardocgold.com.au">www.bardocgold.com.au</a>. The Company confirms that in relation to the Bardoc Resource Estimate 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 29 March 2021.

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

The information in this report relating to Ore Reserves has been extracted from the Definitive Feasibility Study and Ore Reserve statement dated 29<sup>th</sup> March 2021 and available to review at <a href="www.bardocgold.com.au">www.bardocgold.com.au</a>. 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 Persons findings presented have not been materially modified from the Ore Reserves Statement made on 29 March 2021.



# 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 Magnetic <sup>o</sup>	Maximum Depth (m)
21APD0008	329829.26	6659520.32	381.63	-59.64	269.602	261.4
21APD0009	329577.78	6660174.93	387.98	-59.89	90.492	282.2
21APD0010	329658.34	6660020.54	386.38	-59.45	90.062	321.1
21APD0011	329786.50	6659719.70	383.47	-55.54	269.482	222.2
21APRC0035	329998.85	6660160.93	384.59	-60	270	144
21APRC0036	330198.82	6660200.22	386.26	-60	270	180
21APRC0037	330240.31	6660199.61	386.29	-60	270	180
21APRC0038	331082.08	6660350.29	384.72	-60	270	96
21APRC0039	329819.03	6659240.06	379.96	-60	270	170
21APRC0040	329240.12	6659589.27	386.18	-60	90	110
21APRC0041	329210.24	6659587.89	385.78	-60	90	150
21APRC0042	329179.70	6659588.37	385.63	-60	90	180
21APRC0043	329225.34	6659566.69	385.84	-58	90	204
21APRC0044	329160.66	6659507.23	384.74	-60	90	228
21APRC0045	329150.16	6659527.69	385.00	-60	90	234
21APRC0046	329179.49	6659549.64	385.28	-60	90	198
21APRC0047	329240.61	6659592.12	386.31	-60	90	211
21APRC0048	330100	6657160	380	-55	270	120
21APRC0049	330060	6657160	380	-60	270	120
21APRC0050	330020	6657160	380	-60	270	120
21APRC0051	330140	6658160	380	-60	270	144
21APRC0052	330220	6658160	380	-58	270	160
21APRC0053	330300	6658160	380	-60	270	162
21APRC0055	329840	6658760	382	-60	270	120
21APRC0056	329600	6658760	382	-60	270	120
21APRC0057	329640	6658760	382	-60	270	120
21APRC0058	329680	6658760	382	-60	270	120
21APRC0060	329640	6658800	382	-60	270	120
21APRC0061	329680	6658800	382	-60	270	120
21APRC0062	329600	6658840	382	-60	270	120
21APRC0064	329680	6658840	382	-60	270	120
21APRC0065	329847	6659640	385	-60	270	114
21APRC0066	329887	6659640	386	-60	270	102
21APRC0067	329820	6659720	387	-60	270	108



# Appendix 2

# Table 2 – Significant Intersections Table

Significant Intersections  $\geq 1m@0.50g/t$  Au, Intersections  $\geq 10$  grammetres are in bold. Maximum 2m internal downhole dilution. No upper cuts applied. Drill holes in the collar table but not this table have "No Significant Intersection".

_	La			
Hole_ID	Depth_From	Depth_To	Width	Au_ppm
21APD0008	50	51	1	0.81
21APD0008	71	72	1	0.56
21APD0008	88	89	1	0.72
21APD0008	105	112	7	0.74
21APD0008	116.5	123	6.5	0.76
21APD0008	126	127	1	1.09
21APD0008	158	161	3	0.70
21APD0008	248	250	2	1.49
21APD0009	62.1	63.3	1.2	0.99
21APD0009	73	74	1	0.56
21APD0010	159.48	160.66	1.18	0.82
21APD0010	165	166	1	1.08
21APD0010	180.13	183	2.87	2.76
21APD0010	194	195	1	0.98
21APD0010	249	250	1	0.56
21APD0010	273	274	1	0.78
21APD0010	287	288	1	1.53
21APD0011	83	88	5	0.96
21APRC0035	56	63	7	0.62
21APRC0036	84	85	1	1.11
21APRC0036	125	126	1	0.68
21APRC0036	129	130	1	0.53
21APRC0039	51	52	1	0.72
21APRC0039	66	68	2	1.17
21APRC0039	126	131	5	1.56
21APRC0039	155	156	1	0.65
21APRC0039	158	160	2	0.54
21APRC0041	63	68	5	2.60
21APRC0042	67	72	5	3.99
21APRC0042	106	120	14	7.63
21APRC0042	148	153	5	2.37
21APRC0042	161	162	1	1.07
21APRC0043	65	73	8	1.00
21APRC0043	155	160	5	1.33
21APRC0043	173	179	6	1.10
21APRC0043	190	194	4	0.89
21APRC0044	91	92	1	2.34
21APRC0045	130	132	2	0.90
21APRC0045	140	142	2	13.78
21APRC0045	171	172	1	0.95



21APRC0046	66	67	1	1.36
21APRC0046	115	116	1	0.55
21APRC0046	163	166	3	1.05
21APRC0047	65	66	1	1.22
21APRC0047	123	130	7	2.35
21APRC0047	136	141	5	2.13
21APRC0047	144	148	4	3.87
21APRC0047	153	156	3	1.14
21APRC0047	177	181	4	0.98
21APRC0049	60	61	1	1.63
21APRC0050	92	93	1	1.11
21APRC0052	109	110	1	0.59
21APRC0055	36	40	4	2.84
21APRC0062	58	60	2	0.76
21APRC0065	84	92	8	1.14
21APRC0066	80	81	1	0.72
21APRC0066	91	92	1	0.63
21APRC0067	65	66	1	0.90
21APRC0067	68	69	1	0.55
21APRC0067	82	83	1	5.28

# JORC, 2012 Edition – Tables – Aphrodite

# 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) and Diamond Core (DC) drilling on nominal 40m x 40m (N x E) grid spacing. The holes were generally drilled towards grid east at varying angles to optimally intersect the mineralized zones.</li> <li>Complete details are un-available for historic drilling.</li> <li>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>BDC DC core has been sampled by submission of cut quarter 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 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 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 charge. Approximately 200g of pulp material is returned to BDC for storage and potential additional assay at a later date.</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</li> </ul>	<ul> <li>There are holes drilled by previous owners over the area prior to mid 2010.         These holes are occasionally 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. The DC drilling is HQ size</li> </ul>



	type, whether core is oriented and if so, by what method, etc).	core (nominal 50.6mm core diameter) or HQ (nominal 63.5mm core diameter).  • All BDC drill core is orientated by the drilling contractor, usually every 3m
		run.
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>The results in this announcement are all from HQ size core.</li> <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 10th 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 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>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>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 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 recoveries or 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.	<ul> <li>All BDC RC samples are geologically logged directly into hand-held devices generally using Geobank Mobile software.</li> <li>All 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 BDC DC is photographed both wet and dry after logging but before cutting.</li> <li>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. 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 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> <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> </ul>	<ul> <li>BDC Exploration results reported in this announcement are for quarter cut drill core taken from the right hand side of the core looking down hole. Core is cut by BDC staff onsite at the core cutting facility.</li> <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> <li>The BDC DC samples are oven dried, jaw crushed to nominal &lt;10mm, 3.5kg is obtained by riffle splitting and the remainder of the coarse reject is bagged while the 3.5kg 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 a 40g or 50g fire assay charge.</li> <li>BDC RC and DC samples submitted to the laboratory are sorted and reconciled 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 40 or 50g fire assay batch. The laboratory also uses barren flushes on the pulveriser.</li> <li>In the field every 10th 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</li> </ul>



Quality of assay data	•	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 aboratory is blind to the original sample number.  For DC, historically no core duplicates (i.e. half core) have been collected or submitted. BDC inserts blank samples and standards at the rate of about 1 in 20. The results and core used for this announcement will undergo metallurgical testwork, this will involve performing check assays on the samples which will act as a field duplicate.  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 the gold grade ranges returned.  BDC has routinely used local Kalgoorlie Certified Laboratories for all sample preparation and analysis. The most commonly used laboratories have
and laboratory tests	used and whether the technique is considered partial or total.  • For geophysical tools, spectrometers, handheld XRF instruments, etc, the	been SGS Australia, Bureau Veritas Australia and Intertek. No complete details (ie most details captured, but not all details for all holes) of the sample preparation, analysis or security are available for either the historic AC, DD or RC drilling results in the database.
	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.	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.  The QC procedures are industry best practice. The laboratories are accredited and use their own certified reference materials.  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.
Verification of sampling and assaying	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 site geologist have inspected RC chips and drill core 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 nowever 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	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.	All drill holes have their collar location recorded by a contract surveyor using RTK GPS. Downhole surveys are completed every 30m downhole. Incomplete down hole surveying information is available for the historic RC or DD drilling. No detailed 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 RC and DC 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 a north seeking gyro.  All drill holes and resource estimation use the MGA94, Zone 51 grid system. The topographic data used was obtained from consultant surveyors and is passed on a LiDAR survey flown in 2012. It is adequate for the reporting of Exploration Results and subsequent Mineral Resource estimates.
Data spacing and distribution	Results.  • Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and	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. This report is for the reporting of recent exploration drilling. 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.



		Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied.	•	The majority of RC holes were sampled at 1m, but when this isn't the case, sample compositing to 4m has been applied.  The BDC DC drilling has no sample composites applied to the raw sample assays. The results reported in this announcement are length weighted averages.
Orientation of data in relation to geological structure	•	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	•	The majority of previous drilling is to grid east. The bulk of the mineralized zones are perpendicular to this drilling direction.  The current drilling is oriented towards grid east (89 degrees magnetic) or grid west (269 degrees magnetic).  There is no sampling bias recognised from the intersection angle of the drilling and the lode orientation.
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.  Drill core is transported daily directly from the drill site to BDC's core processing facility by BDC personnel. The core is then placed on racks and processed until it requires cutting. Core is then cut onsite by BDC's staff. The core is then assayed in Kalgoorlie by the assay laboratory.
Audits or reviews		The results of any audits or reviews of sampling techniques and data.	•	Internal audits of sampling techniques as well as data handling and validation was regularly conducted by Aphrodite Geologists prior to the merger, as part of due diligence and continuous improvement and review of procedures.

# 1.2 Section 2 Reporting of Exploration Results – Aphrodite

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

Criteria	JORC Code explanation	Commentary
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, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>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.</li> </ul>	The results reported in this Announcement are on granted Mining Tenements held by Aphrodite Gold Pty Ltd, a wholly owned subsidiary of Bardoc Gold Limited. A 2.5% State Royalty and 2.5% Franco Nevada Royalty exist on gold ores mined from the Aphrodite Deposit.  Tenement Holder Area (Ha) Expiry Date M24/662 Aphrodite Gold Pty Ltd 363.3 27/06/2028 M24/720 Aphrodite Gold Pty Ltd 995.4 20/08/2028 M24/681 Aphrodite Gold Pty Ltd 446.3 09/08/2030  At this time, the tenements are in good standing. There are known existing impediments to obtain a license to operate a mine.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	<ul> <li>Project has had many owners over more than 20 years and has been reviewed multiple times. Historic documents are not always available.</li> <li>Drilling, geological, sampling and assay protocols and methods were to industry standard and adequate for inclusion in Mineral Resource Estimation.</li> </ul>
Geology	<ul> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul> <li>Discontinuous shoots of low to moderate tenor gold mineralisation within two broader sub-parallel mineralised structural zones. Mineralisation is beneath a substantial thickness of leached overburden. Free milling in upper oxidized and partially oxidized zones but mostly refractory in the primary zone.</li> </ul>
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.	<ul> <li>See Table in this announcement</li> <li>No results from previous un-reported exploration are the subject of this announcement.</li> <li>Easting and Northing define the collar location in MGA94 zone 51 map projection. The map projection is a transverse Mercator projection, which conforms with the internationally accepted Universal Transverse Mercator Grid system. Collar elevations are RL's (elevation above sea level)</li> <li>Dip is the inclination of the hole from the horizontal (i.e. a vertically down drilled hole from the surface is -90°). Azimuth for current drilling is reported in magnetic degrees as the direction toward which the hole is drilled. MGA94 and magnetic degrees vary by approximately 1° in this project area</li> <li>Down hole length of the hole is the distance from the surface to the end of the hole, as measured along the drill trace. Intercept depth is the distance down the hole as measured along the drill trace. Intersection width is the downhole distance of an intersection as measured along the drill trace.</li> </ul>



Data	•	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.	•	Hole length is the distance from the surface to the end of the hole, as measured along the drill trace.
aggregation methods	•	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.  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.  The assumptions used for any reporting of metal equivalent values should be clearly stated.	•	No high grade cuts have been applied to assay results. RC assay results are distance weighted using 1m for each assay. DC assay results are distance (length) weighted using the grades and intersection width applicable to each individual sample.  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.  No metal equivalent reporting is used or applied.
Relationship	•	These relationships are particularly	•	The intersection width is measured down the hole trace, it is not usually the
between mineralisatio n widths and		important in the reporting of Exploration Results.	•	true width. Cross sections in this announcement allows the relationship between true and down hole width to be viewed. Data collected from historical workings and shafts within the area and from
intercept lengths	•	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	•	structural measurements from orientated diamond core drilling show the primary ore zones to be sub-vertical (steeply west or east dipping) in nature with a general northerly strike.  All drill results within this announcement are downhole intervals only and
	•	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').		true widths are not reported. True widths are approximately 40% of the reported drill intercept widths.
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.	•	Plan and cross sectional views are contained within this announcement.
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 >= 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.
Other	•	Other exploration data, if meaningful and	•	The previous exploration work completed on the deposit was done by
substantive exploration data		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,	•	previous owners and are too extensive to report in the context of this announcement.  Fresh rock samples are refractory in nature and in order to maximize gold recoveries, alternative processing methods to standard CIL/CIP are being investigated.  Arsenic and Sulphur are present in quantities that will require additional
		geotechnical and rock characteristics; potential deleterious or contaminating substances.		consideration of tailings disposal options
Further work	•	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).  Diagrams clearly highlighting the areas of	•	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.  Bardoc Gold is continuing with mine planning studies, including
		possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.		metallurgical test work.