

ASX: DEG

ASX ANNOUNCEMENT 10 December 2021

# High grades in extensional and infill drilling at Eagle

Regularly being intersected within broader mineralised intrusion

- High grade mineralisation associated with quartz-carbonate veining, sericite-albite alteration and visible gold is being regularly intersected at Eagle as an overprint to mineralisation within broadly mineralised intrusion
- Examples in new results at Eagle include:
  - 53.0m @ 5.8g/t Au\* from 315.0m including 3.6m @ 76.6g/t Au from 339.4m in HERC955D extending mineralisation approximately 100m below the maiden mineral resource estimate (MRE)
  - 51.0m @ 6.3g/t Au\* from 106.0m including 0.6m @ 143.5g/t Au from 147.0m and 1.0m @ 142.0g/t Au from 150.0m in HEDD103 extending mineralisation approximately 40m to the south of the maiden MRE
  - 60.8m @ 2.7g/t Au\* from 41.2m including 1.0m @ 36.4g/t Au from 68.0m and 1.0m @ 72.9g/t Au from 73.0m in HEDD202 on a 40m infill section
  - 7.0m @ 16.5g/t Au\* from 132.0m including 2.0m @ 55.0g/t Au from 136.0m in HMRC010 to the east of Eagle
- Extensional drilling in the northwest of Eagle continues to intersect mineralisation including 31m @ 2.1 g/t Au from 155.0m and 19.0m @ 1.8g/t Au from 192.0m in HMRC229 confirming potential for new lodes approximately 240m north of Eagle.
- Drilling at Eagle and Diucon to demonstrate extensions to mineralisation at depth, along strike and to the south of the maiden mineral resource estimate (MRE) announced in June 2021, continues.
- Drilling to extend the strike and at depth of Eagle and Diucon and towards Antwerp continues.

## De Grey General Manager Exploration, Phil Tornatora, commented:

"Resource extension and definition drilling at Eagle has continued to identify high grade mineralisation associated with quartz-carbonate veining, sericite-albite alteration and visible gold. A zone of high grade intercepts at Eagle has now been intersected on several sections over a strike length of around 200m, and a down dip extent of at least 250m. Drilling in progress may expand the extent of high grade mineralisation. Geological studies are continuing, however the high grade mineralisation may represent a structural overprint on earlier intrusion hosted sulphide mineralisation. These high grade zones have the potential to positively impact Eagle pit shell optimisations, mining and processing schedules and significantly adds to the potential for underground mining below proposed pit designs.

Resource definition drilling at Eagle to increase the resource confidence from JORC Inferred to Indicated is continuing so that the Eagle resource can be included in the prefeasibility (PFS) evaluation. Eagle was not included in the Scoping Study ten year evaluation period"

### \*0.3g/t Au cut off grade

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De Grey Mining Limited (ASX: DEG, "De Grey" or the "Company") is pleased to report these latest exploration results from the Eagle zone at Hemi. The gold mineralisation at Eagle shows similar alteration and sulphide development as seen at the adjacent deposits of Aquila, Brolga, Crow, Falcon and Diucon. However, like Diucon, Eagle also shows, in parts, a strong structural overprint which can carry high gold grades and occasional visible gold. Significant new results are reported below, with full results of new drill intercepts (>2gm\*m) provided in Table 1 (0.5g/t Au cut-off grade) and Table 2 (0.3g/t Au cut-off grade).

The mineralised intrusion at Eagle (Figure 1) has now been intersected for 950m along strike, 200m in width and at least 350m in depth and remains open. Resource definition drilling to a 40m x 40m spacing above approximately 400 vertical metres is currently being prioritised to increase the resource confidence level from JORC Inferred to Indicated in areas of Eagle to be mined by open pit methods. Resource definition drilling for the PFS will continue into the first quarter of 2022. Resource extension drilling at Eagle and the other zones at Hemi will continue throughout 2022.

New pit shell optimisations to be conducted as part of the PFS are expected to extend the scoping study open pit mine designs shown in Figures 2 to 4.

Extensional drilling in the northwest of Eagle (Figure 1) has continued to intersect mineralisation including **31m @ 2.1 g/t Au** from 155.0m and **19.0m @ 1.8g/t Au** from 192.0m in HMRC229 confirming potential for new lodes approximately 240m north of Eagle. Intersections previously announced (*9 September 2021*) from this area include **15m @ 5.5g/t Au** in HERC875. Aircore and RC drilling searching for mineralised extensions from Eagle into and at Antwerp continues.

Infill and extensional drilling at Eagle are delineating a relatively consistent zone of higher grade mineralisation along the northern margin of the Eagle resource. Controls on the higher grade zones are still being assessed. Intervals incorporating higher grade zones of mineralisation include:

Section 28200E (Figure 2)

- 51.0m @ 6.3g/t Au\* from 106.0m including 0.6m @ 143.5g/t Au from 147.0m and 1.0m @ 142.0g/t Au from 150.0m in HEDD103 and
- 23.0m @ 2.1g/t Au\* from 181.0m including 1.0m @ 10.5g/t Au from 192.0m and 1.0m @ 23.5g/t Au from 198.0m in HEDD104
- > Results are pending for drill holes HEDD105 and 111 on this section.

Section 28240E (Figure 3)

> 53.0m @ 5.8g/t Au\* from 315.0m including 3.6m @ 76.6g/t Au from 339.4m in HERC955D

Section 28280E (Figure 4)

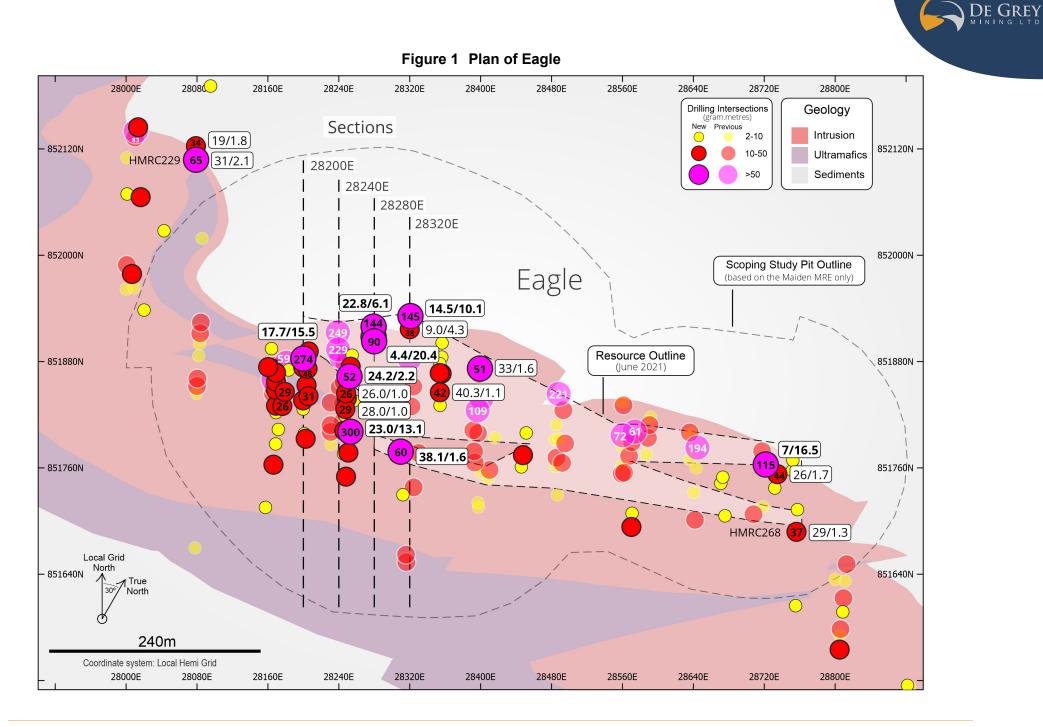
- 60.8m @ 2.7g/t Au\* from 41.2m including 1.0m @ 36.4g/t Au from 68.0m and 1.0m @ 72.9g/t Au from 73.0m in HEDD202
- > Results are pending for drill holes HEDD204, 205, 206 and 207 on this section.

Section 28320E

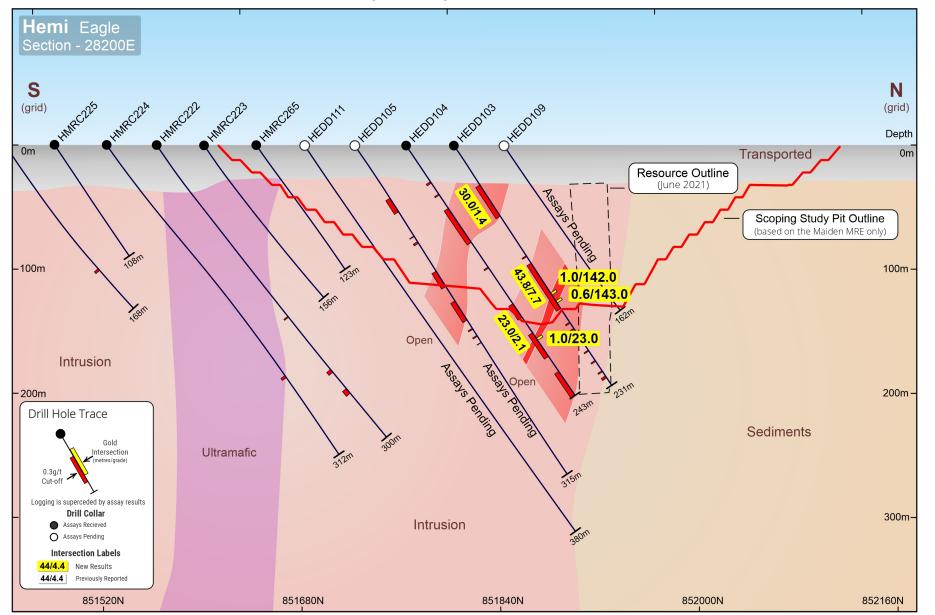
7.0m @ 16.5 g/t Au\* from 132.0m including 2.0m @ 55.0g/t Au from 136.0m in HMRC010 and 29.0m @ 1.3 g/t Au from 64.0m in HMRC268

These new results follow previously reported (9 September 2021) high grade intervals at Eagle:

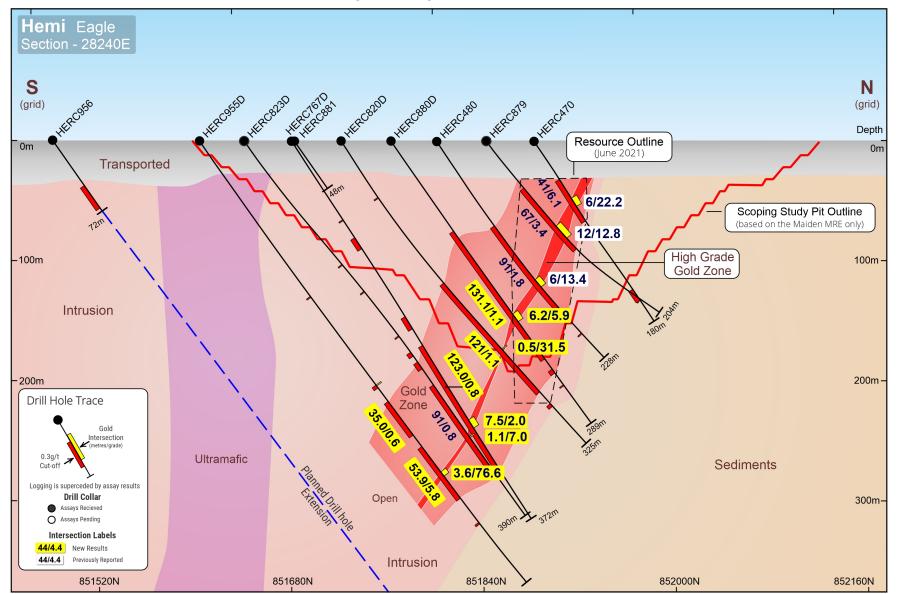
- 19.0m @ 11.6g/t Au from 136.0m including 7.0m @ 15.7g/t Au from 136.0m and 4.0m @ 26.2g/t Au from 149.0m in HERC765
- > 9.0m @ 17.3g/t Au from 168.0m including 2.0m @ 75.2g/t Au from 172.0m in HERC849



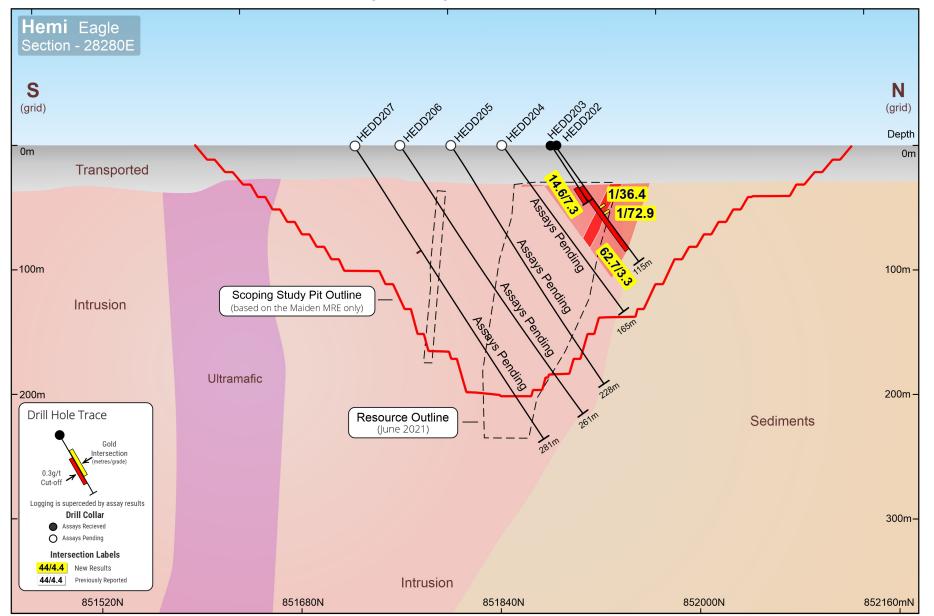












### This announcement has been authorised for release by the De Grey Board.

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

The information in this report that relates to exploration results is based on, and fairly represents information and supporting documentation prepared by Mr. Phil Tornatora, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy. Mr. Tornatora is an employee of De Grey Mining Limited. Mr. Tornatora has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves". Mr. Tornatora consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

#### Previously released ASX Material References that relates to Hemi Prospect includes:

Resources and Studies:

- 2020 Mallina Gold Project Resource update, 2 April 2020
- 6.8Moz Hemi Maiden Mineral Resource drives Mallina Gold Project, 23 June 2021
- De Grey Mining Mallina Gold Project Scoping Study, 5 October 2021

Exploration results at Hemi, announced during calendar year 2021:

- Consistent extensive gold endowment at Falcon, 13 January 2021
- Diucon and Eagle: Two new intrusion hosted gold discoveries at Hemi, 29 January 2021
- Further metallurgical testwork confirms high gold recoveries, 16 February 2021
- Major depth extensions and new footwall lodes emerge at Falcon, 23 February 2021
- Crow Aquila gold system continue to expand, 4 March 2021
- Rapid growth at Diucon and Eagle, 9 March 2021
- Extensional results show Brolga plunge potential, 16 March 2021
- Depth and strike extensions at Falcon, 8 April 2021
- Impressive resource definition drilling at Brolga, 13 April 2021
- Strong extension to Diucon and Eagle, 15 April 2021
- Strong mineralisation intersected at Crow and Aquila, 23 April 2021
- Large mineralised system confirmed at Diucon Eagle, 4 May 2021
- High gold recoveries achieved at Aquila, 10 May 2021
- Significant extensional and impressive resource definition results at Falcon, 27 May 2021
- Encouraging results continue at Diucon-Eagle, 1 June 2021
- Diucon compelling new results, 22 July 2021
- New results substantially extend Eagle, 9 August 2021
- Diucon depth, width and strike extensions, 1 September 2021
- Eagle extensions to the west and at depth, 9 September 2021
- High gold recoveries also achieved at Falcon and Crow, 21 September 2021
- Greater Hemi Corridor Update, 30 September 2021
- Consistent infill results in Brolga Stage 1 pit, 11 November 2021



HoleID	Zone	Depth From (m)	Depth To (m)	Downhole Width (m)	Au (g/t)	Collar East (GDA94)	Collar North (GDA94)	Collar RL (GDA94)	Dip (degrees)	Azimuth (GDA94)	Hole Depth (m)	Hole Type
HEDD052	Eagle	43.4	51.0	7.6	0.5	646404	7692621	66	-56	330	153	DD
HEDD052	Eagle	58.0	67.0	9.0	4.3	646404	7692621	66	-56	330	153	DD
incl	Eagle	58.0	59.0	1.0	29.2	646404	7692621	66	-56	330	153	DD
HEDD052	Eagle	72.0	76.0	4.0	0.5	646404	7692621	66	-56	330	153	DD
HEDD052	Eagle	82.0	96.5	14.5	10.1	646404	7692621	66	-56	330	153	DD
incl	Eagle	85.0	91.0	6.0	23.0	646404	7692621	66	-56	330	153	DD
HEDD052	Eagle	101.0	103.0	2.0	3.4	646404	7692621	66	-56	330	153	DD
incl	Eagle	102.0	102.3	0.3	10.9	646404	7692621	66	-56	330	153	DD
HEDD055	Eagle	38.0	53.0	15.0	0.9	646455	7692606	66	-57	330	174	DD
incl	Eagle	52.3	52.6	0.3	9.5	646455	7692606	66	-57	330	174	DD
HEDD055	Eagle	67.0	86.0	19.0	0.6	646455	7692606	66	-57	330	174	DD
HEDD055	Eagle	99.0	100.7	1.7	2.9	646455	7692606	66	-57	330	174	DD
HEDD055	Eagle	111.0	114.2	3.2	1.6	646455	7692606	66	-57	330	174	DD
HEDD056	Eagle	43.0	52.0	9.0	0.9	646474	7692571	66	-56	329	219	DD
HEDD056	Eagle	56.7	97.0	40.3	1.0	646474	7692571	66	-56	329	219	DD
incl	Eagle	73.2	73.5	0.2	14.9	646474	7692571	66	-56	329	219	DD
HEDD056	Eagle	104.0	127.7	23.7	0.6	646474	7692571	66	-56	329	219	DD
HEDD056	Eagle	132.0	137.8	5.8	0.9	646474	7692571	66	-56	329	219	DD
HEDD100	Eagle	257.1	267.0	10.0	0.9	647147	7692452	67	-55	329	397	DD
HEDD103	Eagle	42.0	46.6	4.6	1.2	646340	7692493	67	-55	329	231	DD
HEDD103	Eagle	56.0	68.0	12.0	2.2	646340	7692493	67	-55	329	231	DD
HEDD103	Eagle	128.0	132.0	4.0	10.5	646340	7692493	67	-55	329	231	DD
incl	Eagle	129.2	130.1	0.9	41.7	646340	7692493	67	-55	329	231	DD
HEDD103	Eagle	139.3	157.0	17.7	15.5	646340	7692493	67	-55	329	231	DD
incl	Eagle	139.3	144.0	4.7	5.9	646340	7692493	67	-55	329	231	DD
incl	Eagle	147.0	147.6	0.6	143.5	646340	7692493	67	-55	329	231	DD
incl	Eagle	150.0	151.0	1.0	142.0	646340	7692493	67	-55	329	231	DD
HEDD104	Eagle	60.9	65.0	4.1	0.8	646359	7692459	67	-55	330	243	DD
HEDD104	Eagle	69.7	70.3	0.6	3.4	646359	7692459	67	-55	330	243	DD
HEDD104	Eagle	153.7	167.0	13.3	1.0	646359	7692459	67	-55	330	243	DD
HEDD104	Eagle	183.0	204.0	21.0	2.3	646359	7692459	67	-55	330	243	DD
incl	Eagle	192.0	193.0	1.0	10.5	646359	7692459	67	-55	330	243	DD
incl	Eagle	198.0	199.0	1.0	23.5	646359	7692459	67	-55	330	243	DD
HEDD104	Eagle	225.2	231.5	6.3	1.7	646359	7692459	67	-55	330	243	DD
HEDD201	Eagle	54.1	59.5	5.4	3.1	646289	7692507	67	-55	331	203	DD
HEDD201	Eagle	78.1	88.1	9.9	0.8	646289	7692507	67	-55	331	203	DD
HEDD201	Eagle	95.0	97.0	2.0	4.1	646289	7692507	67	-55	331	203	DD
HEDD202	Eagle	39.3	46.1	6.8	3.1	646368	7692603	66	-55	329	115	DD
incl	Eagle	44.6	46.1	1.5	13.3	646368	7692603	66	-55	329	115	DD
HEDD202	Eagle	51.2	74.0	22.8	6.1	646368	7692603	66	-55	329	115	DD
incl	Eagle	59.3	60.0	0.7	16.8	646368	7692603	66	-55	329	115	DD
incl	Eagle	68.0	69.0	1.0	36.4	646368	7692603	66	-55	329	115	DD
incl	Eagle	73.0	74.0	1.0	72.9	646368	7692603	66	-55	329	115	DD

HoleID		Depth	Depth			Collar	Collar	Collar			Hole	
	Zone	From (m)	To (m)	Downhole Width (m)	Au (g/t)	East (GDA94)	North (GDA94)	RL (GDA94)	Dip (degrees)	Azimuth (GDA94)	Depth (m)	Hole Type
HEDD203	Eagle	39.4	43.8	4.4	20.4	646370	7692600	66	-55	331	54	DD
incl	Eagle	41.0	43.0	2.0	43.5	646370	7692600	66	-55	331	54	DD
HEDD203	Eagle	51.0	52.0	1.0	12.1	646370	7692600	66	-55	331	54	DD
HERC446D	Eagle	486.3	500.0	13.7	0.8	646853	7692325	68	-55	330	720	DD
HERC446D	Eagle	518.0	520.0	2.0	2.6	646853	7692325	68	-55	330	720	DD
HERC758	Eagle	53.0	62.0	9.0	1.2	647003	7692552	68	-56	330	186	RC
HERC758	Eagle	71.0	74.0	3.0	0.8	647003	7692552	68	-56	330	186	RC
HERC758	Eagle	127.0	137.0	10.0	0.6	647003	7692552	68	-56	330	186	RC
HERC767D	Eagle	96.0	98.0	2.0	1.4	646438	7692407	67	-56	333	372	RC
HERC767D	Eagle	106.0	107.0	1.0	2.8	646438	7692407	67	-56	333	372	RC
HERC767D	Eagle	174.0	181.0	7.0	1.1	646438	7692407	67	-56	333	372	RC
HERC767D	Eagle	208.0	247.0	39.0	0.8	646438	7692407	67	-56	333	372	DD
HERC767D	Eagle	252.0	288.2	36.2	0.9	646438	7692407	67	-56	333	372	DD
incl	Eagle	261.8	269.2	7.5	2.0	646438	7692407	67	-56	333	372	DD
HERC767D	Eagle	295.0	321.0	26.0	1.0	646438	7692407	67	-56	333	372	DD
HERC769	Eagle	67.0	69.0	2.0	1.6	646352	7692406	67	-56	334	300	RC
HERC769	Eagle	110.0	115.0	5.0	0.6	646352	7692406	67	-56	334	300	RC
HERC769	Eagle	124.0	130.0	6.0	1.2	646352	7692406	67	-56	334	300	RC
HERC769	Eagle	176.0	181.0	5.0	0.7	646352	7692406	67	-56	334	300	RC
HERC769	Eagle	196.0	198.0	2.0	2.8	646352	7692406	67	-56	334	300	RC
HERC769	Eagle	211.0	215.0	4.0	4.2	646352	7692406	67	-56	334	300	RC
incl	Eagle	211.0	212.0	1.0	12.1	646352	7692406	67	-56	334	300	RC
HERC769	Eagle	246.0	255.0	9.0	1.8	646352	7692406	67	-56	334	300	RC
	Eagle	254.0	255.0	1.0	10.0	646352	7692406	67	-56	334	300	RC RC
HERC769 HERC769	Eagle	261.0 289.0	281.0 299.0	20.0 10.0	0.8	646352 646352	7692406 7692406	67 67	-56 -56	334 334	300 300	RC
HERC783	Eagle Eagle	231.0	235.0	4.0	0.9	646890	7692579	66	-58	331	306	RC
HERC783	Eagle	242.0	249.0	7.0	0.9	646890	7692579	66	-58	331	306	RC
HERC783	Eagle	260.0	286.0	26.0	1.7	646890	7692579	66	-58	331	306	RC
HERC844	Eagle	164.0	170.0	6.0	0.8	646524	7692414	67	-56	326	192	RC
HERC848	Eagle	53.0	58.0	5.0	3.6	646286	7692507	67	-55	329	58	RC
HERC880D	Eagle	98.0	101.5	3.5	1.9	646395	7692479	67	-55	335	289	DD
HERC880D	Eagle	126.4	140.0	13.6	1.0	646395	7692479	67	-55	335	289	DD
HERC880D	Eagle	149.0	157.0	8.0	0.7	646395	7692479	67	-55	335	289	DD
HERC880D	Eagle	164.0	188.2	24.2	2.2	646395	7692479	67	-55	335	289	DD
incl	Eagle	182.0	188.2	6.2	5.9	646395	7692479	67	-55	335	289	DD
HERC880D	Eagle	192.6	197.0	4.4	11.1	646395	7692479	67	-55	335	289	DD
incl	Eagle	196.0	197.0	1.0	45.6	646395	7692479	67	-55	335	289	DD
HERC880D	Eagle	203.0	205.0	2.0	1.4	646395	7692479	67	-55	335	289	DD
HERC880D	Eagle	212.0	222.5	10.5	0.6	646395	7692479	67	-55	335	289	DD
incl	Eagle	149.0	150.0	1.0	35.2	646564	7692345	67	-56	327	459	RC
incl	Eagle	165.0	166.0	1.0	25.2	646564	7692345	67	-56	327	459	RC
HERC883D	Eagle	262.0	266.9	4.9	0.8	646564	7692345	67	-56	327	459	DD
HERC883D	Eagle	270.9	274.0	3.1	3.1	646564	7692345	67	-56	327	459	DD

HoleID		Depth	Depth	_	_	Collar	Collar	Collar			Hole	
	Zone	From (m)	To (m)	Downhole Width (m)	Au (g/t)	East (GDA94)	North (GDA94)	RL (GDA94)	Dip (degrees)	Azimuth (GDA94)	Depth (m)	Hole Type
HERC883D	Eagle	289.0	293.0	4.0	0.9	646564	7692345	67	-56	327	459	DD
HERC883D	Eagle	298.5	303.8	5.3	0.8	646564	7692345	67	-56	327	459	DD
HERC883D	Eagle	327.0	365.1	38.1	1.6	646564	7692345	67	-56	327	459	DD
incl	Eagle	356.2	357.1	0.9	21.8	646564	7692345	67	-56	327	459	DD
HERC883D	Eagle	372.0	377.8	5.8	0.6	646564	7692345	67	-56	327	459	DD
HERC955D	Eagle	251.0	252.0	1.0	14.1	646473	7692339	67	-56	330	458	DD
HERC955D	Eagle	268.0	269.0	1.0	4.3	646473	7692339	67	-56	330	458	DD
HERC955D	Eagle	291.3	303.0	11.7	1.2	646473	7692339	67	-56	330	458	DD
HERC955D	Eagle	315.0	318.0	3.0	1.0	646473	7692339	67	-56	330	458	DD
HERC955D	Eagle	325.0	348.0	23.0	13.1	646473	7692339	67	-56	330	458	DD
incl	Eagle	339.4	343.0	3.6	76.6	646473	7692339	67	-56	330	458	DD
HERC955D	Eagle	366.0	368.9	2.9	0.7	646473	7692339	67	-56	330	458	DD
HERC955D	Eagle	394.0	395.7	1.7	3.9	646473	7692339	67	-56	330	458	DD
HERC957	Eagle	56.0	63.0	7.0	10.4	646672	7692639	67	-55	329	63	RC
incl	Eagle	61.0	63.0	2.0	34.9	646672	7692639	67	-55	329	63	RC
HMRC010	Eagle	132.0	139.0	7.0	16.5	646849	7692649	67	-56	331	210	RC
incl	Eagle	136.0	138.0	2.0	55.0	646849	7692649	67	-56	331	210	RC
HMRC012	Eagle	215.0	218.0	3.0	1.0	645967	7692738	66	-55	330	252	RC
HMRC013	Eagle	31.0	33.0	2.0	2.0	646007	7692669	66	-55	332	348	RC
HMRC013	Eagle	258.0	264.0	6.0	0.5	646007	7692669	66	-55	332	348	RC
HMRC014	Eagle	46.0 132.0	48.0 133.0	2.0 1.0	3.0 2.0	646047	7692601	66 66	-55	332	348 348	RC RC
HMRC014 HMRC014	Eagle Eagle	186.0	188.0	2.0	1.8	646047 646047	7692601 7692601	66	-55 -55	332 332	348	RC
HMRC014	Eagle	232.0	234.0	2.0	2.4	646047	7692601	66	-55	332	348	RC
HMRC014	Eagle	263.0	264.0	1.0	3.0	646047	7692601	66	-55	332	348	RC
HMRC015	Eagle	33.0	35.0	2.0	1.5	646087	7692531	66	-55	331	348	RC
HMRC015	Eagle	294.0	302.0	8.0	1.5	646087	7692531	66	-55	331	348	RC
HMRC016	Eagle	156.0	160.0	4.0	3.6	646128	7692462	66	-56	331	348	RC
HMRC016	Eagle	187.0	194.0	7.0	0.7	646128	7692462	66	-56	331	348	RC
HMRC016	Eagle	221.0	227.0	6.0	0.7	646128	7692462	66	-56	331	348	RC
HMRC016	Eagle	232.0	234.0	2.0	1.3	646128	7692462	66	-56	331	348	RC
HMRC016	Eagle	277.0	280.0	3.0	3.4	646128	7692462	66	-56	331	348	RC
HMRC016	Eagle	295.0	300.0	5.0	0.9	646128	7692462	66	-56	331	348	RC
HMRC016	Eagle	306.0	308.0	2.0	2.4	646128	7692462	66	-56	331	348	RC
HMRC017	Eagle	215.0	225.0	10.0	0.5	646167	7692394	67	-56	335	348	RC
HMRC017	Eagle	285.0	290.0	5.0	0.7	646167	7692394	67	-56	335	348	RC
HMRC017	Eagle	307.0	309.0	2.0	1.0	646167	7692394	67	-56	335	348	RC
HMRC020	Eagle	55.0	58.0	3.0	0.7	646547	7692612	66	-56	328	132	RC
HMRC020	Eagle	63.0	69.0	6.0	0.6	646547	7692612	66	-56	328	132	RC
HMRC020	Eagle	96.0	97.0	1.0	4.6	646547	7692612	66	-56	328	132	RC
HMRC021	Eagle	79.0	82.0	3.0	1.3	646567	7692577	66	-56	332	204	RC
HMRC021	Eagle	121.0	122.0	1.0	2.0	646567	7692577	66	-56	332	204	RC
HMRC021	Eagle	128.0	133.0	5.0	0.7	646567	7692577	66	-56	332	204	RC
HMRC021	Eagle	139.0	143.0	4.0	1.2	646567	7692577	66	-56	332	204	RC

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HoleID		Depth	Depth			Collar	Collar	Collar			Hole	
	Zone	From (m)	To (m)	Downhole Width (m)	Au (g/t)	East (GDA94)	North (GDA94)	RL (GDA94)	Dip (degrees)	Azimuth (GDA94)	Depth (m)	Hole Type
HMRC023	Eagle	75.0	77.0	2.0	1.2	646607	7692509	67	-56	333	276	RC
HMRC023	Eagle	130.0	144.0	14.0	0.7	646607	7692509	67	-56	333	276	RC
HMRC023	Eagle	161.0	165.0	4.0	2.8	646607	7692509	67	-56	333	276	RC
incl	Eagle	163.0	164.0	1.0	9.5	646607	7692509	67	-56	333	276	RC
HMRC023	Eagle	170.0	171.0	1.0	2.3	646607	7692509	67	-56	333	276	RC
HMRC023	Eagle	204.0	210.0	6.0	0.9	646607	7692509	67	-56	333	276	RC
HMRC023	Eagle	223.0	226.0	3.0	1.0	646607	7692509	67	-56	333	276	RC
HMRC024	Eagle	32.0	33.0	1.0	7.2	646787	7692661	66	-55	329	192	RC
HMRC024	Eagle	61.0	64.0	3.0	0.8	646787	7692661	66	-55	329	192	RC
HMRC024	Eagle	104.0	107.0	3.0	0.7	646787	7692661	66	-55	329	192	RC
HMRC025	Eagle	83.0	85.0	2.0	1.9	646808	7692626	67	-55	329	179	RC
HMRC025	Eagle	115.0	124.0	9.0	0.6	646808	7692626	67	-55	329	179	RC
HMRC025	Eagle	166.0	168.0	2.0	1.0	646808	7692626	67	-55	329	179	RC
HMRC026	Eagle	111.0	114.0	3.0	1.4	646829	7692590	67	-55	329	240	RC
HMRC026	Eagle	178.0	180.0	2.0	1.2	646829	7692590	67	-55	329	240	RC
HMRC027	Eagle	162.0	166.0	4.0	2.2	646848	7692556	67	-55	329	166	RC
HMRC029	Eagle	46.0	48.0	2.0	1.5	647015	7692606	67	-56	329	222	RC
HMRC029	Eagle	65.0	68.0	3.0	1.1	647015	7692606	67	-56	329	222	RC
HMRC030	Eagle	52.0	54.0	2.0	1.0	647034	7692570	67	-56	328	276	RC
HMRC030 HMRC035	Eagle	237.0 117.0	240.0 122.0	3.0 5.0	0.8 0.9	647034 647143	7692570 7692540	67 67	-56 -56	328 330	276 246	RC RC
HMRC109D	Eagle Eagle	136.0	144.0	8.0	1.8	646365	7692369	67	-56	333	396	RC
HMRC109D	Eagle	176.0	180.0	4.0	0.7	646365	7692369	67	-56	333	396	RC
HMRC109D	Eagle	212.0	215.0	3.0	1.7	646365	7692369	67	-56	333	396	RC
HMRC109D	Eagle	236.0	238.0	2.0	1.5	646365	7692369	67	-56	333	396	RC
HMRC109D	Eagle	253.7	275.0	21.3	1.2	646365	7692369	67	-56	333	396	DD
HMRC109D	Eagle	280.0	311.0	31.0	0.9	646365	7692369	67	-56	333	396	DD
HMRC109D	Eagle	340.0	346.0	6.0	0.9	646365	7692369	67	-56	333	396	DD
HMRC111	Eagle	181.0	182.0	1.0	6.8	646404	7692300	67	-55	327	222	RC
HMRC115	Eagle	56.0	57.0	1.0	2.0	646106	7692817	66	-57	332	246	RC
HMRC115	Eagle	130.0	132.0	2.0	2.2	646106	7692817	66	-57	332	246	RC
HMRC118	Eagle	67.0	71.0	4.0	0.8	646473	7692662	66	-52	334	198	RC
HMRC119	Eagle	36.0	69.0	33.0	1.6	646492	7692627	66	-57	330	156	RC
incl	Eagle	50.0	51.0	1.0	17.1	646492	7692627	66	-57	330	156	RC
HMRC119	Eagle	74.0	77.0	3.0	0.7	646492	7692627	66	-57	330	156	RC
HMRC119	Eagle	100.0	107.0	7.0	0.5	646492	7692627	66	-57	330	156	RC
HMRC124	Eagle	235.0	240.0	5.0	0.8	646861	7692470	67	-56	335	264	RC
HMRC126	Eagle	53.0	59.0	6.0	0.6	646617	7692653	66	-55	329	60	RC
HMRC222	Eagle	250.0	252.0	2.0	1.2	646459	7692285	67	-55	332	300	RC
HMRC227	Eagle	139.0	142.0	3.0	2.2	646051	7692753	66	-56	331	252	RC
HMRC228	Eagle	171.0	174.0	3.0	2.4	646090	7692684	66	-56	334	252	RC
HMRC228	Eagle	200.0	203.0	3.0	0.9	646090	7692684	66	-56	334	252	RC
HMRC228	Eagle	230.0	232.0	2.0	2.7	646090	7692684	66	-56	334	252	RC
HMRC229	Eagle	142.0	143.0	1.0	2.9	646131	7692616	66	-55	328	252	RC

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HoleID	Zone	Depth From (m)	Depth To (m)	Downhole Width (m)	Au (g/t)	Collar East (GDA94)	Collar North (GDA94)	Collar RL (GDA94)	Dip (degrees)	Azimuth (GDA94)	Hole Depth (m)	Hole Type
HMRC229	Eagle	155.0	186.0	31.0	2.1	646131	7692616	66	-55	328	252	RC
incl	Eagle	156.0	157.0	1.0	10.4	646131	7692616	66	-55	328	252	RC
HMRC229	Eagle	192.0	211.0	19.0	1.8	646131	7692616	66	-55	328	252	RC
HMRC229	Eagle	218.0	219.0	1.0	2.2	646131	7692616	66	-55	328	252	RC
HMRC230	Eagle	124.0	125.0	1.0	2.1	646170	7692545	66	-55	331	234	RC
HMRC266	Eagle	56.0	61.0	5.0	1.6	646856	7692699	66	-55	329	144	RC
HMRC266	Eagle	66.0	71.0	5.0	0.7	646856	7692699	66	-55	329	144	RC
HMRC266	Eagle	76.0	81.0	5.0	1.4	646856	7692699	66	-55	329	144	RC
HMRC267	Eagle	74.0	76.0	2.0	1.1	646877	7692666	66	-56	332	168	RC
HMRC268	Eagle	64.0	93.0	29.0	1.3	646897	7692631	67	-56	336	204	RC
HMRC268	Eagle	98.0	102.0	4.0	0.7	646897	7692631	67	-56	336	204	RC
HMRC268	Eagle	175.0	177.0	2.0	2.1	646897	7692631	67	-56	336	204	RC
HMRC269	Eagle	31.0	38.0	7.0	0.5	646916	7692595	67	-56	331	240	RC
HMRC269	Eagle	124.0	126.0	2.0	1.0	646916	7692595	67	-56	331	240	RC
HMRC269	Eagle	193.0	202.0	9.0	0.6	646916	7692595	67	-56	331	240	RC
HMRC269	Eagle	209.0	215.0	6.0	0.5	646916	7692595	67	-56	331	240	RC
HMRC270	Eagle	86.0	91.0	5.0	0.7	646936	7692562	67	-56	331	300	RC
HMRC270	Eagle	212.0	216.0	4.0	1.0	646936	7692562	67	-56	331	300	RC
HMRC272	Eagle	211.0	222.0	11.0	0.5	646977	7692493	67	-55	329	252	RC
HMRC273	Eagle	174.0	177.0	3.0	0.7	647003	7692461	67	-55	329	252	RC
HMRC273	Eagle	245.0	251.0	6.0	0.5	647003	7692461	67	-55	329	252	RC
HMRC280	Eagle	230.0	234.0	4.0	6.1	646061	7692656	66	-55	329	252	RC
HMRC280	Eagle	240.0	246.0	6.0	5.1	646061	7692656	66	-55	329	252	RC
incl	Eagle	245.0	246.0	1.0	29.9	646061	7692656	66	-55	329	252	RC
HMRC281	Eagle	38.0	41.0	3.0	1.3	646081	7692621	66	-55	329	306	RC
HMRC281	Eagle	198.0	201.0	3.0	3.9	646081	7692621	66	-55	329	306	RC
HMRC281	Eagle	274.0	276.0	2.0	2.5	646081	7692621	66	-55	329	306	RC
HMRC281	Eagle	300.0	301.0	1.0	2.2	646081	7692621	66	-55	329	306	RC
HMRC282	Eagle	38.0	44.0	6.0	1.0	646102	7692588	67	-55	331	264	RC
HMRC283	Eagle	102.0	104.0	2.0	1.2	646123	7692553	66	-55	327	336	RC
HMRC283	Eagle	170.0	171.0	1.0	2.2	646123	7692553	66	-55	327	336	RC
HMRC283	Eagle	215.0	218.0	3.0	1.4	646123	7692553	66	-55	327	336	RC
HMRC283	Eagle	249.0	251.0	2.0	1.1	646123	7692553	66	-55	327	336	RC

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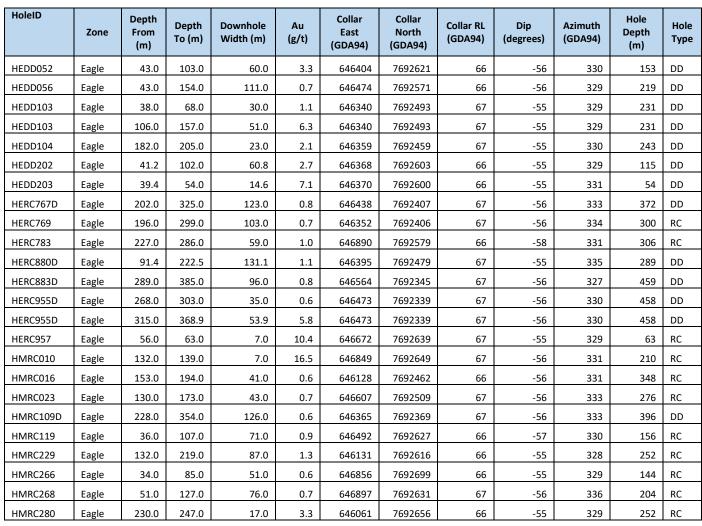


Table 2: Selected Intercepts - 0.3g/t Au lower cut, 10m maximum internal waste, >20gm



# JORC Code, 2012 Edition – Table 1

# Section 1 Sampling Techniques and Data

## (Criteria in this section apply to all succeeding sections.)

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.</li> <li>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>All drilling and sampling was undertaken in an industry standard manner</li> <li>Core samples were collected with a diamond rig drilling mainly NQ2 diameter core.</li> <li>After logging and photographing, NQ2 drill core was cut in half, with one half sent to the laboratory for assay and the other half retained. HQ and PQ core was quartered, with one quarter sent for assay. Holes were sampled over mineralised intervals to geological boundaries on a nominal 1m basis.</li> <li>Sample weights ranged from 2-4kg</li> <li>RC holes were sampled on a 1m basis with samples collected from a cone splitter mounted on the drill rig cyclone. 1m sample ranges from a typical 2.5-3.5kg</li> <li>Aircore samples were collected by spear from 1m sample piles and composited over 4m intervals. Samples for selected holes were collected on a 1m basis by spear from 1m sample piles. Sample weights ranges from around 1-3kg.</li> <li>The independent laboratory pulverises the entire sample for analysis as described below.</li> <li>Industry prepared independent standards are inserted approximately 1 in 20 samples.</li> <li>The independent laboratory then takes the samples which are dried, split, crushed and pulverized prior to analysis as described below.</li> <li>Sample sizes are considered appropriate for the material sampled.</li> <li>The samples are considered representative and appropriate for this type of drilling. Diamond core and RC samples are appropriate for use in a resource estimate.</li> </ul>
Drilling techniques	• 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.).	<ul> <li>Diamond core diameters are - NQ2 (51mm), HQ3 (61mm), PQ (85mm).</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>Core recovery is measured for each drilling run by the driller and then checked by the Company geological team during the mark up and logging process.</li> <li>RC and aircore samples were visually assessed for recovery.</li> <li>Samples are considered representative with generally good recovery. Deeper RC and</li> </ul>



Criteria	JORC Code explanation	Commentary
		<ul><li>aircore holes encountered water, with some intervals having less than optimal recovery and possible contamination.</li><li>No sample bias is observed.</li></ul>
Logging	<ul> <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>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul> <li>The entire hole has been geologically logged and core was photographed by Company geologists, with systematic sampling undertaken based on rock type and alteration observed</li> <li>RC and diamond sample results are appropriate for use in a resource estimation, except where sample recovery is poor.</li> <li>The aircore results provide a good indication of mineralisation but are not used in resource estimation.</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>	



Criteria	JORC Code explanation	Commentary
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 levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>	<ul> <li>independent laboratory in Perth, Australia.</li> <li>For diamond core and RC samples Au was analysed by a 50g charge Fire assay fusion technique with an AAS finish and multi-elements by ICPAES and ICPMS</li> <li>Aircore samples were analysed for Au using 25g aqua regia extraction with ICPMS finish and multi-elements by ICPAES and ICPMS using aqua regia digestion</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>	
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>Diamond and RC drill hole collar locations are located by DGPS to an accuracy of +/-10cm.</li> <li>Aircore hole collar locations are located by DGPS to an accuracy of +/-10cm., or by handheld GPS to an accuracy of 3m.</li> <li>Locations are given in GDA94 zone 50 projection</li> <li>Diagrams and location table are provided in the report</li> <li>Topographic control is by detailed airphoto and Differential GPS data.</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.</li> <li>Whether sample compositing has been applied.</li> </ul>	• Drill spacing varies from 80m x 40m to 320m x 80m.
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>	perpendicular to the strike of mineralisation where known and therefore the sampling is considered representative of the mineralised zone.



Criteria	JORC Code explanation	Commentary
		This is allowed for when geological interpretations are completed.
Sample security	<ul> <li>The measures taken to ensure sample security.</li> </ul>	<ul> <li>Samples were collected by company personnel and delivered direct to the laboratory via a transport contractor.</li> </ul>
Audits or reviews	<ul> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul> <li>No audits have been completed. Review of QAQC data has been carried out by database consultants and company geologists.</li> </ul>

Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	C	ommentary
<i>Mineral tenement and land tenure status</i>	<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 license to operate in the area.</li> </ul>	•	Drilling occurs on various tenements held by De Grey Mining Ltd or its 100% owned subsidiaries. The Hemi Prospect is approximately 60km SSW of Port Hedland.
Exploration done by other parties	<ul> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	•	The tenements have had various levels of previous surface geochemical sampling and wide spaced aircore and RAB drilling by De Grey Mining. Limited previous RC drilling was carried out at the Scooby Prospect. Airborne aeromagnetics/radiometrics has been flown previously.
Geology	<ul> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	•	The mineralisation style is not well understood to date but is thought to be hydrothermally emplaced gold mineralisation within structures and intrusions. Host rocks comprise igneous rocks intruding Mallina Basin metasediments. Style is similar to some other Western Australian gold deposits.
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:</li> <li>easting and northing of the drill hole collar</li> <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</li> <li>down 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> </ul>	•	Drill hole location and directional information provide in the report.
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</li> </ul>		Results are reported to a minimum cutoff grade of 0.5g/t gold with an internal dilution of 4m maximum. Higher grade intervals included in the above intercepts are reported at a 3g/t Au lower cut



Criteria	JORC Code explanation	Commentary
	<ul> <li>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> </ul>	<ul> <li>with an internal dilution of 2m maximum.</li> <li>Wider intervals are aggregated using a 0.3g/t Au lower cut with an internal dilution of 10m maximum. Selected results over 20 gram x metres are reported using this method.</li> <li>Intercepts are length weighted averaged.</li> <li>No maximum cuts have been made.</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> </ul>	<ul> <li>The drill holes are interpreted to be approximately perpendicular to the strike of mineralisation.</li> <li>Drilling is not always perpendicular to the dip of mineralisation and true widths are less than downhole widths. Estimates of true widths will only be possible when all results are received, and final geological interpretations have been completed.</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> </ul>	<ul> <li>Plans and sections are provided in the report.</li> </ul>
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.	and all significant results are provided in this report.
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.	<ul> <li>Drilling is currently widely spaced and further details will be reported in future releases when data is available.</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> </ul>	<ul> <li>Follow up aircore drilling will be undertaken to test for strike extensions to mineralisation.</li> <li>Programs of follow up RC and diamond drilling aimed at extending resources at depth and laterally are underway.</li> </ul>