ASX: DEG

ASX ANNOUNCEMENT

01 August 2022

Major gold intersection 200m below Diucon

Significant scope for future resource and production increases

- HEDD128 intersected **359.4m @ 1.2g/t Au** through the width of the intrusion from 530m down hole comprising intervals calculated at a 0.3g/t Au cut-off grade of:
  - **97.1m @ 2.6g/t** Au from 580.92m including **19.3m @ 7.4g/t Au**[1] and **2m @ 22.5g/t Au**[1]
  - **44.8m @ 1.4g/t Au** from 762.46m
  - **67.4m @ 1.0g/t Au** from 861.74m including **16.1m @ 2.8g/t Au**[1]

- The result in HEDD128 intersected gold mineralisation at Diucon ~200m below the May 2022 Mineral Resource Estimate[2] (**MRE**) and presents significant upside to the MRE with results from HEDD128 received after the MRE assay cut-off date of 4 April 2022.

- The prefeasibility study (**PFS**) for the Mallina Gold Project is based on the May MRE and the new result in HEDD128 and other new extensional drill results at Diucon provide the opportunity to increase open pit and underground production potential post the PFS. New extensional drill results, calculated at a 0.5g/t Au cut-off grade, in addition to HEDD128 include:
  - **13.3m @ 1.6g/t Au** from 439.77m in HEDD072
  - **26m @ 1.4g/t Au** from 270m in HEDD162
  - **10.7m @ 1.9g/t Au** from 444.28m in HEDD361
  - **26.9m @ 1.9g/t Au** from 485.03m in HEDD361
  - **13m @ 3.2g/t Au** from 523.05m in HEDD400

- The intrusion hosted mineralisation intersected in HEDD128 occurs beneath lightly mineralised sediments that extend to a depth of approximately 100m. This demonstrates the potential for the discovery of significant zones of hidden intrusion hosted mineralisation at Hemi and Greater Hemi where there is an abundance of near surface gold anomalism.

De Grey Technical Director, Andy Beckwith, commented:

"The results for resource step out drill hole HEDD128 demonstrate significant upside to the May 2022 Resource that has been used as the basis for open pit mine planning for the PFS. Studies to be conducted following completion of the PFS may identify additional production potential.

Diamond drilling at Hemi is currently focused on large scale resource extensions at Aquila, Brolga, Diucon, Eagle and Falcon and new intrusion discoveries. Continued exploration success at the Mallina Gold Project remains a strategic objective of the Company and exploration efforts are focused on identifying large scale resource extensions and new large scale discoveries."

De Grey General Manager Exploration, Phil Tornatora, commented:

"*This new intercept has something for everyone; 200m depth extension to the May Resource, intrusion true width increasing to approximately 300m, open at depth and down plunge, with increased large scale open pit, large scale underground and selective high grade underground mining potential."*

Notes:
[1] calculated at a 0.5g/t Au cut-off grade
[2] ASX release "Mallina Gold Project Resource Statement – 2022", 31 May 2022

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De Grey Mining Limited (ASX: DEG, "De Grey" or the "Company") is pleased to report these latest resource extension and infill drilling results from the Diucon deposit at Hemi. Diucon is located in the west of Hemi as shown in Figure 1. Shallow mineralisation remains open to the west of Diucon and Eagle deposits towards anomalous gold intersections at Antwerp.

The Diucon mineralised intrusion has been intersected in drilling completed after the May 2022 MRE in HEDD128 over a true thickness of approximately 300m and approximately 200m below the May 2022 MRE (Figure 2). The new intersection occurs from 450m to 700m vertical depth and represents one of the best and deepest intercepts drilled at Hemi. There is potential to extend mineralisation along strike and down plunge to the southwest.

Intrusion hosted mineralisation on Section 28640E (Figure 2) occurs beneath lightly mineralised sediments that extend to a depth of approximately 100m. This demonstrates the potential for the discovery of significant zones of hidden intrusion hosted mineralisation at Hemi and Greater Hemi.

Figure 3 is an isometric view of the Diucon deposit showing the location of the new intercept HEDD128 and the open target area where a series of diamond holes are planned to scope out the potential scale of resource extension at Diucon.

New extensional and resource infill drill results calculated at cut-off grades of 0.5g/t Au are shown respectively in tables 1 and 2, with new drill results calculated at a 0.3g/t Au cut-off grade shown in table 3, at the end of the announcement. A selection of drill results calculated at a 0.5g/t Au cut-off grade unless otherwise stated are shown below.

New Extension Drill Results (>20gm*m) outside of the MRE (May 2022)

- **97.1m @ 2.6g/t**[3] Au from 580.92m including **19.3m @ 7.4g/t** Au from 593.68m and **2m @ 22.5g/t** Au from 655.82m and **44.8m @ 1.4g/t**[3] Au from 762.46m and **67.4m @ 1.0g/t**[3] **Au** from 861.74m including **16.1m @ 2.8g/t** Au in HEDD128
- **13m @ 3.2g/t** Au from 523.05m in HEDD400
- **26.9m @ 1.9g/t** Au from 485.03m in HEDD361
- **13.3m @ 1.6g/t** Au from 439.77m in HEDD072
- **26m @ 1.4g/t** Au from 270m in HEDD162
- **2m @ 14.2g/t** Au from 203m in HMRC410D
- **1.6m @ 13.2g/t** Au from 195.47m in HEDD155
- **10.7m @ 1.9g/t** Au from 444.28m in HEDD361

New Drill Results (>50gm*m) not previously announced within the May 2022 MRE

The May 2022 Hemi MRE, including the Diucon deposit, was completed based on drilling and assays received up to the 4 April 2022. Drilling at Diucon includes previously unannounced results supporting the May 2022 Diucon MRE on Section 28760E (Figure 4).

- **12.6m @ 5.1g/t** Au from 132m in HEDD063
- **51.9m @ 2.4g/t** Au from 195.08m and **50m @ 2.8g/t** Au from 298m in HEDD065
- **9.8m @ 6.2g/t** Au from 182m, **72m @ 1.1g/t** Au from 219m and **13m @ 4.5g/t** Au from 297m in HEDD066
- **13m @ 7.5g/t** Au from 289m and **56m @ 1.2g/t** Au from 359m in HEDD067
- **30m @ 2.7g/t** Au from 357m in HEDD219

[3]calculated at 0.3g/t Au cut-off grade

Figure 1 Plan of Diucon showing only new and previously unannounced drill results

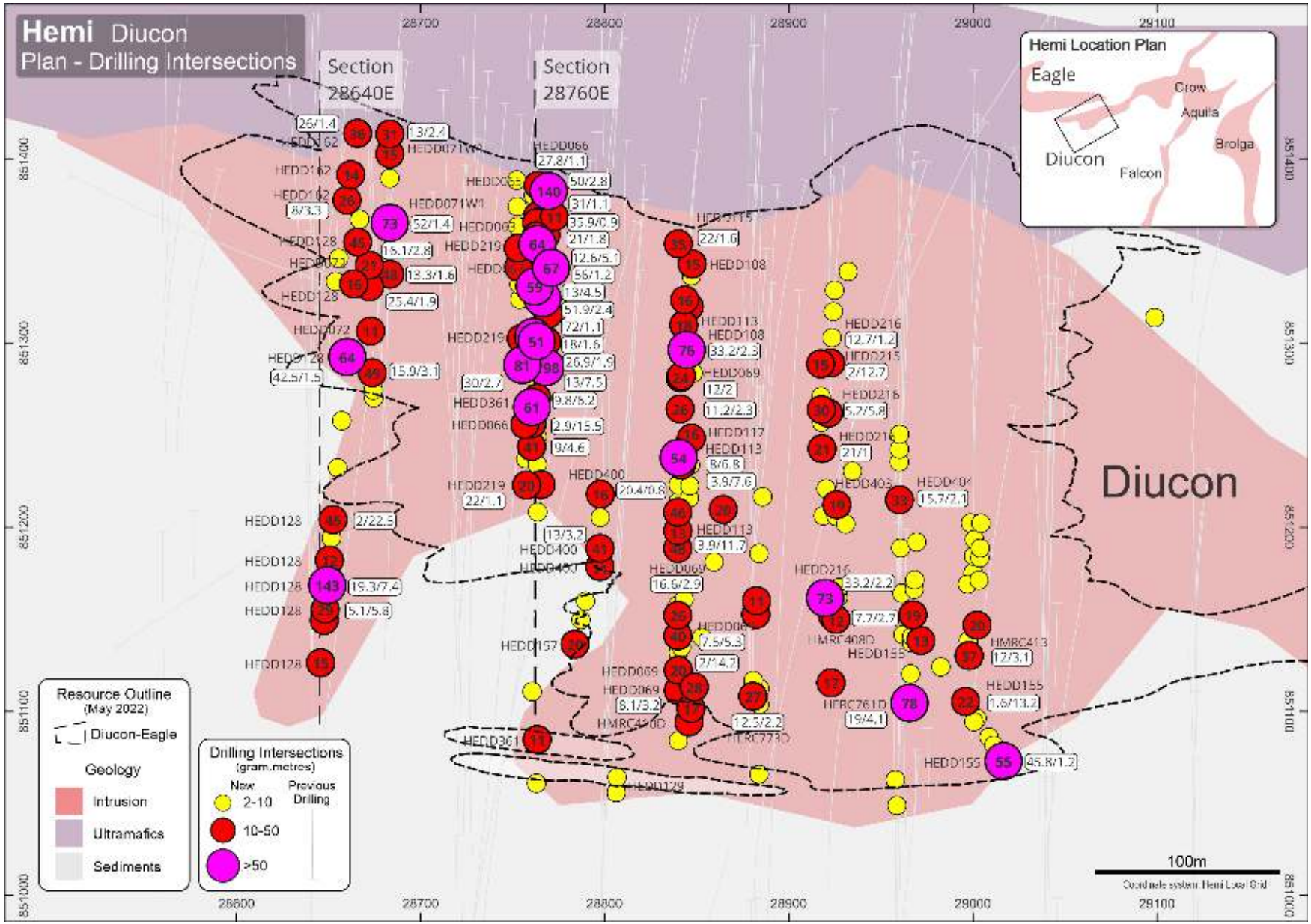


Figure 2 Diucon Section 28640E

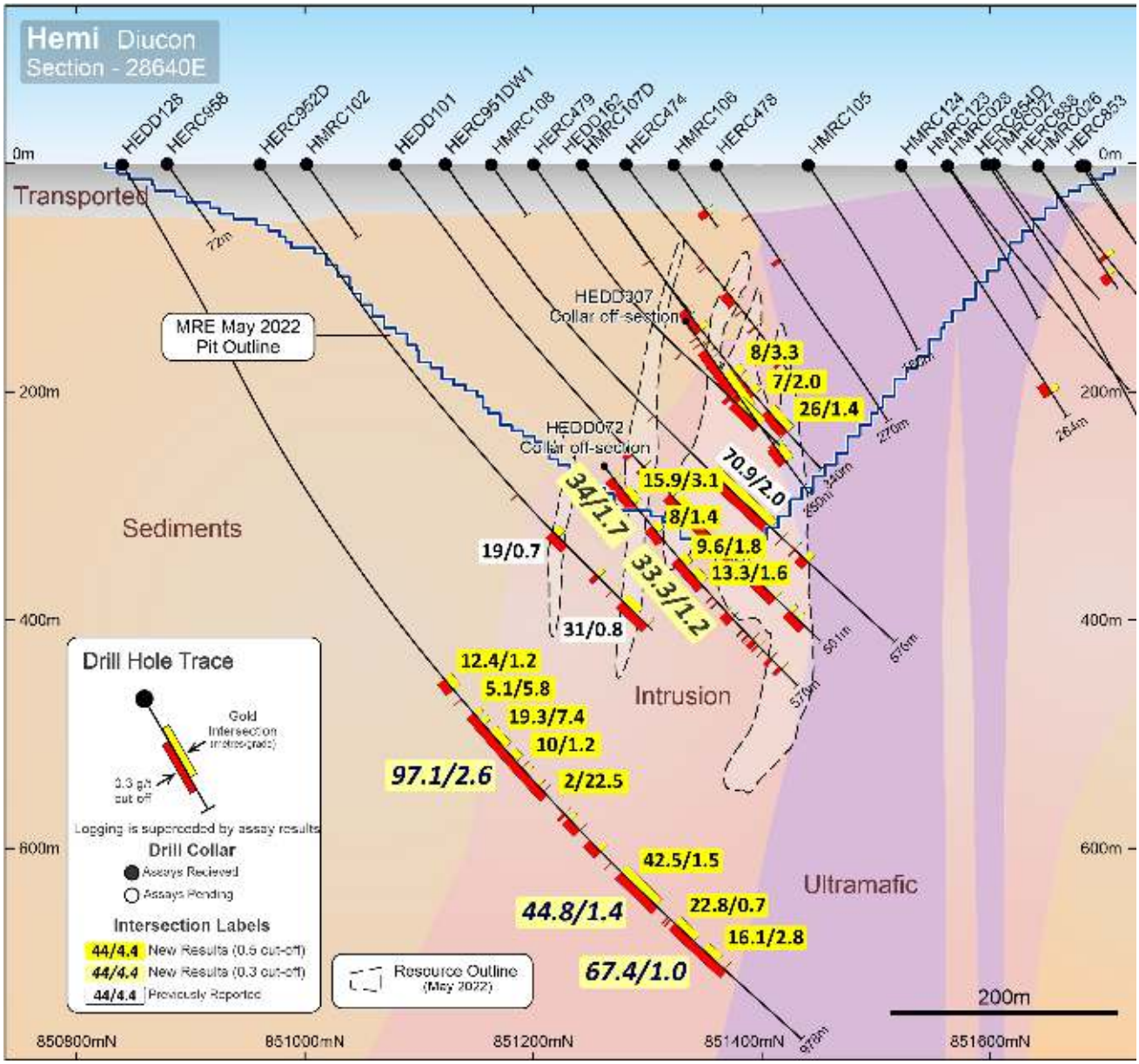


Figure 3 Diucon Isometric showing HEDD128 intersection relative to MRE May 2022

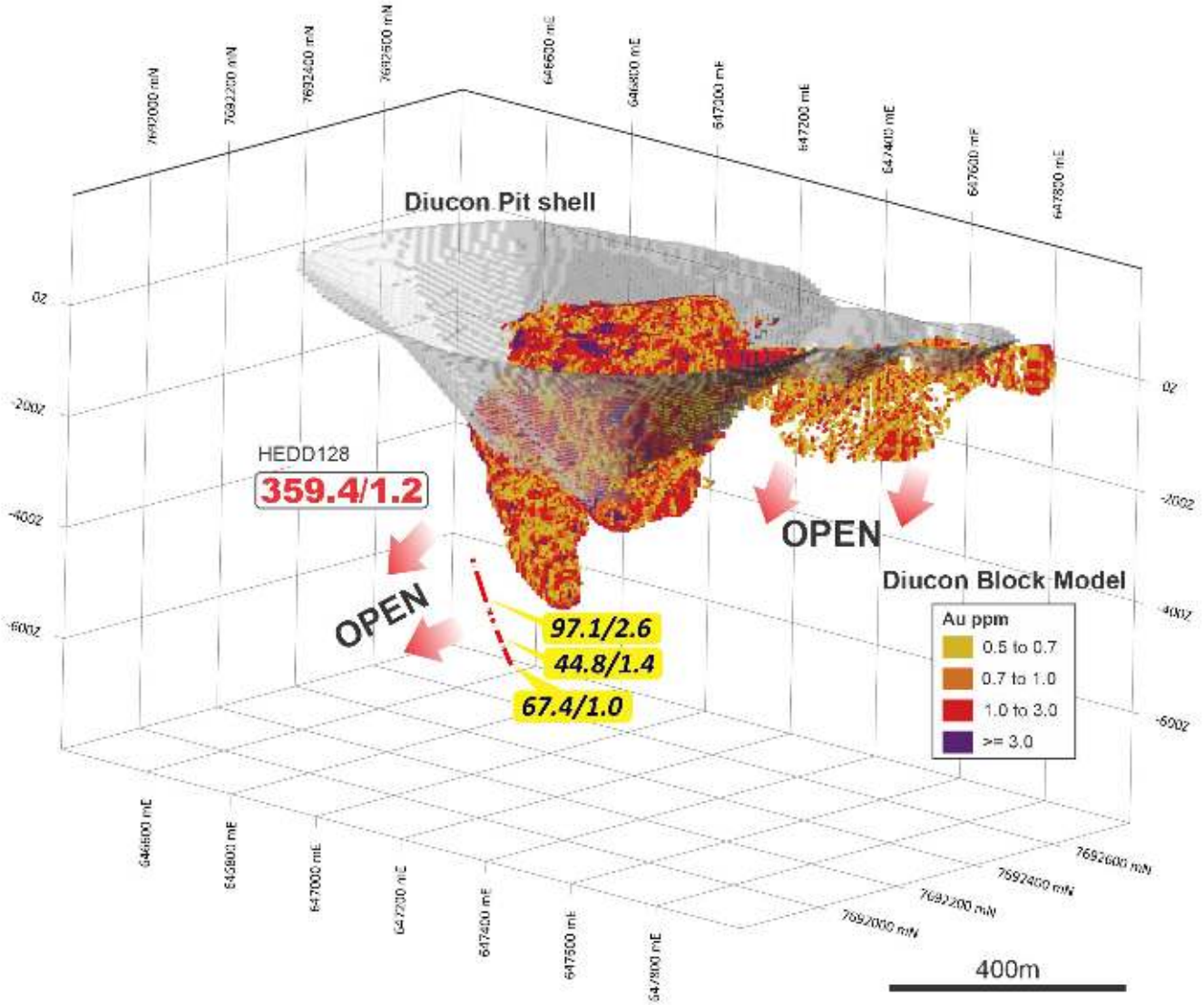
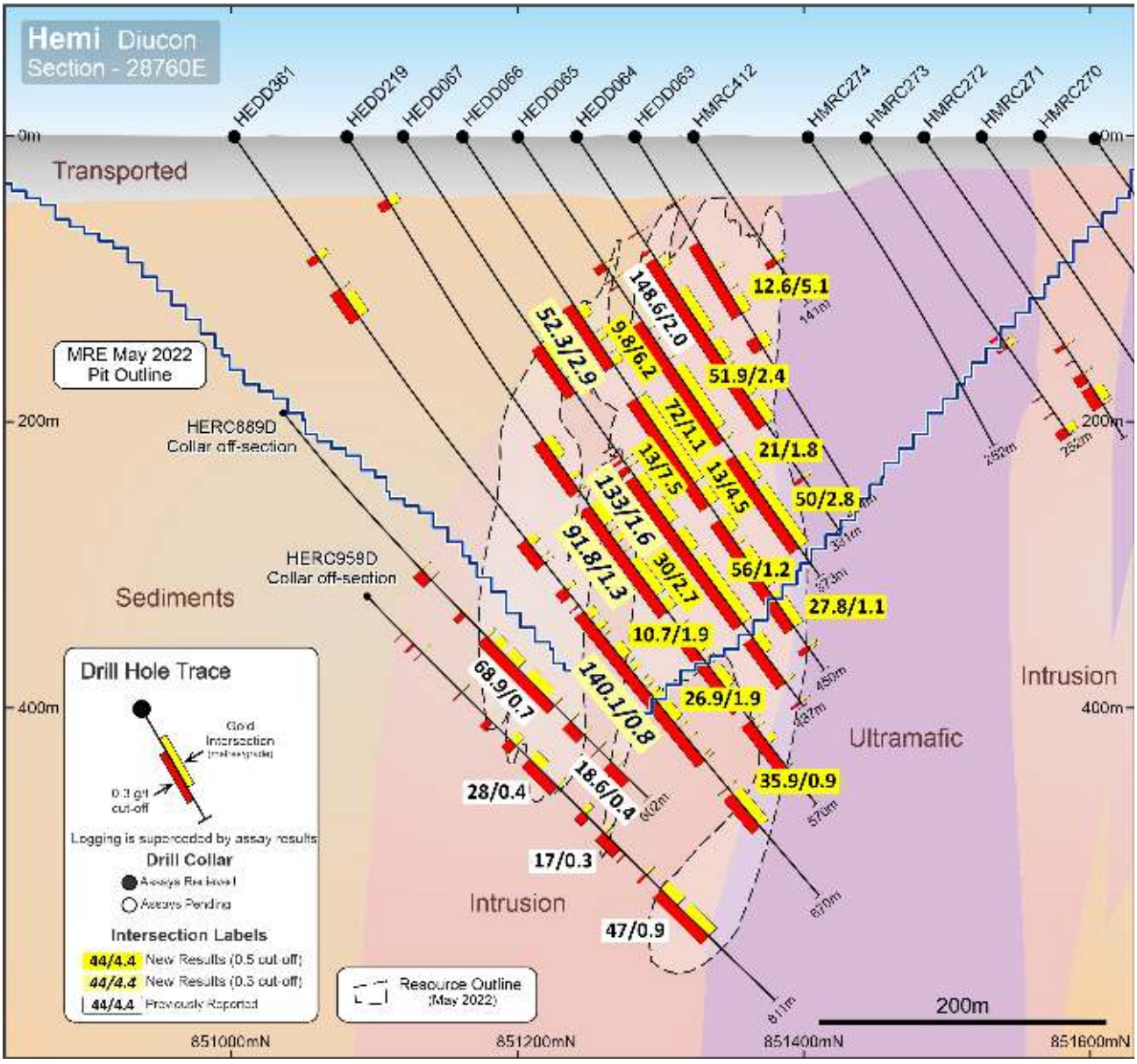


Figure 4 Section 28760E relative to MRE (May 2022)



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*
- *Mallina Gold Project Resource Statement 2022, 31 May 2022*

Exploration results at Hemi, announced during financial year 2022:

- *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*
- *High grade in extensional and infill drilling at Eagle, 10 December 2021*
- *Diucon extended to 500m depth and remains open, 17 December 2021*
- *Near surface high grade and depth extensions at Falcon, 3 February 2022*
- *Outstanding results from Diucon deposit at Hemi, 15 February 2022*
- *Impressive resource definition results at Brolga, 15 March 2022*
- *Encouraging results at Geemas and Charity Well, 3 May 2022*

Table 1: Significant new extension results outside the May MRE (>2 gram x m Au) - Intercepts - 0.5g/t Au lower cut, 4m maximum internal waste.

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
HEDD072	Diucon	332.0	334.0	2.0	1.8	647116	7692109	68	-56	330	576.3	DD
HEDD072	Diucon	339.2	340.3	1.2	3.0	647116	7692109	68	-56	330	576.3	DD
HEDD072	Diucon	387.0	395.0	8.0	1.4	647116	7692109	68	-56	330	576.3	DD
HEDD072	Diucon	439.8	453.1	13.3	1.6	647116	7692109	68	-56	330	576.3	DD
HEDD113	Diucon	58.5	64.0	5.5	0.6	647234	7692224	68	-55	329	401.5	DD
HEDD117	Diucon	67.7	69.0	1.4	1.5	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	78.0	78.5	0.5	9.7	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	472.0	474.0	2.0	1.2	647275	7692153	68	-55	328	480.6	DD
HEDD126	Diucon	390.0	392.0	2.0	3.0	647488	7692047	68	-57	328	582.5	DD
HEDD126	Diucon	408.6	421.0	12.4	0.6	647488	7692047	68	-57	328	582.5	DD
HEDD126	Diucon	476.0	480.0	4.0	0.6	647488	7692047	68	-57	328	582.5	DD
HEDD127	Diucon	522.0	525.0	3.0	0.7	647450	7691931	68	-56	331	960.4	DD
HEDD127	Diucon	546.0	549.9	3.9	0.6	647450	7691931	68	-56	331	960.4	DD
HEDD127	Diucon	561.0	565.3	4.3	0.9	647450	7691931	68	-56	331	960.4	DD
HEDD127	Diucon	617.0	628.0	11.0	0.6	647450	7691931	68	-56	331	960.4	DD
HEDD127	Diucon	633.3	638.0	4.7	0.8	647450	7691931	68	-56	331	960.4	DD
HEDD128	Diucon	532.7	545.0	12.4	1.2	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	572.0	576.3	4.3	2.5	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	580.9	586.0	5.1	5.8	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	593.7	613.0	19.3	7.4	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	619.0	629.0	10.0	1.2	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	641.0	643.0	2.0	1.7	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	655.8	657.8	2.0	22.5	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	696.5	700.0	3.5	2.2	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	732.8	737.4	4.6	2.1	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	762.5	805.0	42.5	1.5	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	827.4	850.2	22.8	0.7	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	861.7	877.9	16.1	2.8	647202	7691880	68	-58	330	978.4	DD
HEDD128	Diucon	885.9	887.0	1.1	3.3	647202	7691880	68	-58	330	978.4	DD
HEDD129	Diucon	635.0	640.0	5.0	1.1	647401	7691855	68	-56	331	1098.2	DD
HEDD129	Diucon	646.0	656.1	10.1	0.6	647401	7691855	68	-56	331	1098.2	DD
HEDD155	Diucon	195.5	197.1	1.6	13.2	647318	7692313	68	-71	111	350.0	DD
HEDD155	Diucon	225.8	231.0	5.2	1.3	647318	7692313	68	-71	111	350.0	DD
HEDD156	Diucon	68.0	76.0	8.0	0.6	647347	7692509	67	-76	58	270.1	DD
HEDD157	Diucon	228.0	234.0	6.0	1.3	647162	7692290	67	-75	175	350.1	DD
HEDD157	Diucon	320.0	331.0	11.0	1.8	647162	7692290	67	-75	175	350.1	DD
HEDD162	Diucon	155.0	156.0	1.0	4.6	647007	7692232	68	-53	332	340.0	DD
HEDD162	Diucon	174.0	179.0	5.0	1.9	647007	7692232	68	-53	332	340.0	DD
HEDD162	Diucon	270.0	296.0	26.0	1.4	647007	7692232	68	-53	332	340.0	DD
HEDD219	Diucon	51.3	57.5	6.2	0.8	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	337.0	341.0	4.0	0.5	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	442.0	447.9	5.9	1.2	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	452.9	468.0	15.2	0.7	647187	7692149	68	-56	329	570.2	DD

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
HEDD219	Diucon	473.0	482.0	9.0	2.1	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	496.1	497.0	0.9	3.5	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	537.4	538.0	0.6	7.7	647187	7692149	68	-56	329	570.2	DD
HEDD361	Diucon	100.0	104.6	4.6	0.8	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	390.4	393.3	2.9	0.9	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	413.1	419.2	6.1	1.0	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	425.0	429.1	4.1	0.7	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	444.3	455.0	10.7	1.9	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	485.0	512.0	26.9	1.9	647226	7692081	68	-55	332	669.6	DD
HEDD400	Diucon	441.0	443.1	2.1	1.0	647320	7691996	68	-55	330	825.6	DD
HEDD400	Diucon	489.9	490.3	0.4	5.4	647320	7691996	68	-55	330	825.6	DD
HEDD400	Diucon	509.1	517.7	8.7	1.3	647320	7691996	68	-55	330	825.6	DD
HEDD400	Diucon	523.1	536.0	13.0	3.2	647320	7691996	68	-55	330	825.6	DD
HEDD400	Diucon	554.0	559.5	5.5	0.6	647320	7691996	68	-55	330	825.6	DD
HEDD400	Diucon	566.9	587.2	20.4	0.8	647320	7691996	68	-55	330	825.6	DD
HEDD403	Diucon	449.6	451.0	1.3	3.6	647327	7692228	68	-56	331	471.5	DD
HEDD404	Diucon	283.8	288.0	4.2	2.3	647361	7692251	68	-56	331	429.5	DD
HERC761D	Diucon	262.0	266.0	4.0	0.9	647384	7692215	68	-57	330	439.1	DD
HMRC407	Diucon	73.0	74.0	1.0	3.3	647352	7692337	68	-55	330	75.0	RC
HMRC408D	Diucon	195.0	210.0	15.0	0.8	647344	7692195	68	-56	329	383.8	DD
HMRC408D	Diucon	223.0	228.0	5.0	1.2	647344	7692195	68	-56	329	383.8	DD
HMRC408D	Diucon	235.0	236.0	1.0	2.8	647344	7692195	68	-56	329	383.8	DD
HMRC408D	Diucon	380.0	381.0	1.0	2.3	647344	7692195	68	-56	329	383.8	DD
HMRC410D	Diucon	165.8	170.1	4.3	4.3	647293	7692119	68	-56	331	545.8	DD
HMRC410D	Diucon	175.1	189.0	13.9	1.2	647293	7692119	68	-56	331	545.8	DD
HMRC410D	Diucon	203.0	205.0	2.0	14.2	647293	7692119	68	-56	331	545.8	DD
HMRC410D	Diucon	249.6	259.0	9.4	0.7	647293	7692119	68	-56	331	545.8	DD
HMRC410D	Diucon	327.8	331.0	3.2	1.2	647293	7692119	68	-56	331	545.8	DD
HMRC410D	Diucon	445.1	446.2	1.2	1.8	647293	7692119	68	-56	331	545.8	DD
HMRC414D	Diucon	247.0	269.0	22.0	0.9	647432	7692199	68	-56	331	523.9	DD
HMRC414D	Diucon	318.2	323.0	4.8	1.2	647432	7692199	68	-56	331	523.9	DD
HMRC414D	Diucon	329.1	330.0	0.9	3.9	647432	7692199	68	-56	331	523.9	DD
HMRC414D	Diucon	350.4	354.3	3.9	0.8	647432	7692199	68	-56	331	523.9	DD

Table 2: Significant new results within the May MRE (>2 gram x m Au) - Intercepts - 0.5g/t Au lower cut, 4m maximum internal waste

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
HEDD063	Diucon	93.3	93.9	0.6	28.7	647088	7692324	68	-56	328	294.5	DD
HEDD063	Diucon	132.0	144.6	12.6	5.1	647088	7692324	68	-56	328	294.5	DD
HEDD063	Diucon	163.0	173.0	10.0	1.2	647088	7692324	68	-56	328	294.5	DD
HEDD065	Diucon	162.0	163.0	1.0	16.1	647128	7692253	68	-52	332	372.6	DD
HEDD065	Diucon	195.1	247.0	51.9	2.4	647128	7692253	68	-52	332	372.6	DD
HEDD065	Diucon	255.0	256.6	1.6	13.3	647128	7692253	68	-52	332	372.6	DD

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
HEDD065	Diucon	271.0	292.0	21.0	1.8	647128	7692253	68	-52	332	372.6	DD
HEDD065	Diucon	298.0	348.0	50.0	2.8	647128	7692253	68	-52	332	372.6	DD
HEDD066	Diucon	144.0	153.0	9.0	4.6	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	169.1	172.0	2.9	15.5	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	182.0	191.8	9.8	6.2	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	219.0	291.0	72.0	1.1	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	297.0	310.0	13.0	4.5	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	322.0	334.0	12.0	1.1	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	342.0	344.0	2.0	1.4	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	349.0	380.0	31.0	1.1	647145	7692218	68	-56	331	449.8	DD
HEDD066	Diucon	386.0	413.8	27.8	1.1	647145	7692218	68	-56	331	449.8	DD
HEDD067	Diucon	174.0	196.0	22.0	1.1	647168	7692184	68	-56	331	486.6	DD
HEDD067	Diucon	289.0	302.0	13.0	7.5	647168	7692184	68	-56	331	486.6	DD
HEDD067	Diucon	310.0	328.0	18.0	1.6	647168	7692184	68	-56	331	486.6	DD
HEDD067	Diucon	336.0	353.0	17.0	0.8	647168	7692184	68	-56	331	486.6	DD
HEDD067	Diucon	359.0	415.0	56.0	1.2	647168	7692184	68	-56	331	486.6	DD
HEDD067	Diucon	427.0	441.0	14.0	0.8	647168	7692184	68	-56	331	486.6	DD
HEDD069	Diucon	51.4	59.5	8.1	3.2	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	74.5	76.5	2.0	10.2	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	88.0	97.0	9.0	0.5	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	105.5	113.0	7.5	5.3	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	129.0	130.0	1.0	26.0	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	185.0	201.6	16.6	2.9	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	208.0	212.0	4.0	3.3	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	234.7	240.4	5.7	0.7	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	249.7	257.5	7.9	1.1	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	286.0	291.0	5.0	0.5	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	348.0	360.0	12.0	2.0	647256	7692188	68	-56	329	432.6	DD
HEDD069	Diucon	382.0	385.2	3.2	0.6	647256	7692188	68	-56	329	432.6	DD
HEDD071W1	Diucon	316.0	317.0	1.0	2.3	647095	7692144	68	-56	333	539.0	DD
HEDD071W1	Diucon	365.6	391.0	25.4	1.9	647095	7692144	68	-56	333	539.0	DD
HEDD071W1	Diucon	397.0	449.0	52.0	1.4	647095	7692144	68	-56	333	539.0	DD
HEDD071W1	Diucon	459.0	464.0	5.0	0.5	647095	7692144	68	-56	333	539.0	DD
HEDD071W1	Diucon	477.0	488.0	11.0	1.4	647095	7692144	68	-56	333	539.0	DD
HEDD071W1	Diucon	493.0	506.0	13.0	2.4	647095	7692144	68	-56	333	539.0	DD
HEDD072	Diucon	262.0	265.0	3.1	0.7	647116	7692109	68	-56	330	576.3	DD
HEDD072	Diucon	347.1	363.0	15.9	3.1	647116	7692109	68	-56	330	576.3	DD
HEDD072	Diucon	423.8	433.4	9.6	1.8	647116	7692109	68	-56	330	576.3	DD
HEDD072	Diucon	555.1	556.4	1.4	1.5	647116	7692109	68	-56	330	576.3	DD
HEDD108	Diucon	53.8	57.7	3.9	7.6	647195	7692294	67	-56	331	325.6	DD
HEDD113	Diucon	148.8	152.7	3.9	11.7	647234	7692224	68	-55	329	401.5	DD
HEDD113	Diucon	158.6	162.0	3.4	2.1	647234	7692224	68	-55	329	401.5	DD
HEDD113	Diucon	174.0	179.0	5.0	0.8	647234	7692224	68	-55	329	401.5	DD
HEDD113	Diucon	198.0	206.0	8.0	6.8	647234	7692224	68	-55	329	401.5	DD

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
HEDD113	Diucon	241.8	253.0	11.2	2.3	647234	7692224	68	-55	329	401.5	DD
HEDD113	Diucon	275.0	281.0	6.0	1.8	647234	7692224	68	-55	329	401.5	DD
HEDD113	Diucon	319.0	331.0	12.0	1.5	647234	7692224	68	-55	329	401.5	DD
HEDD113	Diucon	344.0	351.8	7.8	2.0	647234	7692224	68	-55	329	401.5	DD
HEDD115	Diucon	49.0	71.0	22.0	1.6	647135	7692396	68	-56	329	231.3	DD
HEDD117	Diucon	139.8	143.7	3.9	0.9	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	170.0	174.0	4.0	0.9	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	218.6	220.3	1.7	3.0	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	311.9	320.0	8.1	0.9	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	325.0	330.0	5.0	0.9	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	344.3	350.0	5.7	0.6	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	361.0	383.9	22.9	0.7	647275	7692153	68	-55	328	480.6	DD
HEDD117	Diucon	432.0	434.0	2.0	2.9	647275	7692153	68	-55	328	480.6	DD
HEDD155	Diucon	44.7	51.2	6.4	1.6	647318	7692313	68	-71	111	350.0	DD
HEDD155	Diucon	57.0	61.0	4.0	0.6	647318	7692313	68	-71	111	350.0	DD
HEDD155	Diucon	68.0	78.0	10.0	1.3	647318	7692313	68	-71	111	350.0	DD
HEDD155	Diucon	120.0	134.6	14.6	0.6	647318	7692313	68	-71	111	350.0	DD
HEDD155	Diucon	260.4	266.5	6.1	0.8	647318	7692313	68	-71	111	350.0	DD
HEDD155	Diucon	276.0	280.2	4.2	0.9	647318	7692313	68	-71	111	350.0	DD
HEDD155	Diucon	284.2	330.0	45.8	1.2	647318	7692313	68	-71	111	350.0	DD
HEDD157	Diucon	270.0	274.0	4.0	0.7	647162	7692290	67	-75	175	350.1	DD
HEDD162	Diucon	223.0	231.0	8.0	3.3	647007	7692232	68	-53	332	340.0	DD
HEDD162	Diucon	236.0	239.0	3.0	0.7	647007	7692232	68	-53	332	340.0	DD
HEDD162	Diucon	245.0	252.0	7.0	2.0	647007	7692232	68	-53	332	340.0	DD
HEDD215	Diucon	104.0	111.7	7.7	1.2	647284	7692299	68	-56	330	333.9	DD
HEDD215	Diucon	129.9	130.7	0.8	2.6	647284	7692299	68	-56	330	333.9	DD
HEDD215	Diucon	183.0	184.0	1.0	15.1	647284	7692299	68	-56	330	333.9	DD
HEDD215	Diucon	232.0	234.0	2.0	12.7	647284	7692299	68	-56	330	333.9	DD
HEDD215	Diucon	255.0	261.0	6.0	0.9	647284	7692299	68	-56	330	333.9	DD
HEDD215	Diucon	281.0	287.0	6.0	0.6	647284	7692299	68	-56	330	333.9	DD
HEDD215	Diucon	300.0	310.0	10.0	1.0	647284	7692299	68	-56	330	333.9	DD
HEDD216	Diucon	55.6	88.7	33.2	2.2	647304	7692264	68	-56	330	402.3	DD
HEDD216	Diucon	150.0	155.0	5.0	0.5	647304	7692264	68	-56	330	402.3	DD
HEDD216	Diucon	206.5	227.6	21.1	1.0	647304	7692264	68	-56	330	402.3	DD
HEDD216	Diucon	238.8	246.2	7.4	0.9	647304	7692264	68	-56	330	402.3	DD
HEDD216	Diucon	252.0	257.2	5.2	5.8	647304	7692264	68	-56	330	402.3	DD
HEDD216	Diucon	265.0	269.2	4.2	0.7	647304	7692264	68	-56	330	402.3	DD
HEDD216	Diucon	292.0	304.7	12.7	1.2	647304	7692264	68	-56	330	402.3	DD
HEDD219	Diucon	252.0	268.9	16.9	1.2	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	283.0	287.0	4.0	1.2	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	308.7	326.0	17.3	0.7	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	357.0	387.0	30.0	2.7	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	391.6	400.5	8.9	2.1	647187	7692149	68	-56	329	570.2	DD
HEDD219	Diucon	425.7	437.0	11.3	0.8	647187	7692149	68	-56	329	570.2	DD

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
HEDD219	Diucon	511.6	517.0	5.4	0.6	647187	7692149	68	-56	329	570.2	DD
HEDD361	Diucon	135.3	153.1	17.8	0.6	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	347.7	353.5	5.7	1.0	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	459.0	466.1	7.1	0.6	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	473.9	481.0	7.1	0.6	647226	7692081	68	-55	332	669.6	DD
HEDD361	Diucon	570.5	606.4	35.9	0.9	647226	7692081	68	-55	332	669.6	DD
HEDD403	Diucon	123.9	131.6	7.7	2.7	647327	7692228	68	-56	331	471.5	DD
HEDD403	Diucon	220.0	223.2	3.2	1.0	647327	7692228	68	-56	331	471.5	DD
HEDD403	Diucon	227.2	238.0	10.8	1.8	647327	7692228	68	-56	331	471.5	DD
HEDD404	Diucon	102.3	109.0	6.7	0.6	647361	7692251	68	-56	331	429.5	DD
HEDD404	Diucon	143.0	150.4	7.4	0.7	647361	7692251	68	-56	331	429.5	DD
HEDD404	Diucon	185.0	196.0	11.0	0.8	647361	7692251	68	-56	331	429.5	DD
HEDD404	Diucon	229.3	245.0	15.7	2.1	647361	7692251	68	-56	331	429.5	DD
HEDD404	Diucon	271.1	276.0	4.9	1.0	647361	7692251	68	-56	331	429.5	DD
HEDD404	Diucon	295.3	305.2	9.9	0.6	647361	7692251	68	-56	331	429.5	DD
HERC761D	Diucon	271.0	280.0	9.0	0.8	647384	7692215	68	-57	330	439.1	DD
HERC761D	Diucon	319.0	326.0	7.0	0.6	647384	7692215	68	-57	330	439.1	DD
HERC773D	Diucon	117.0	129.5	12.5	2.2	647309	7692175	68	-56	329	480.7	DD
HERC773D	Diucon	139.0	140.0	1.0	3.7	647309	7692175	68	-56	329	480.7	DD
HERC773D	Diucon	202.0	211.0	9.0	1.5	647309	7692175	68	-56	329	480.7	DD
HERC773D	Diucon	216.6	223.8	7.2	1.5	647309	7692175	68	-56	329	480.7	DD
HERC773D	Diucon	264.8	269.0	4.2	0.9	647309	7692175	68	-56	329	480.7	DD
HERC773D	Diucon	320.2	324.6	4.4	0.9	647309	7692175	68	-56	329	480.7	DD
HMRC360	Diucon	19.0	33.0	14.0	0.6	647718	7692593	68	-56	331	102.0	RC
HMRC360	Diucon	43.0	51.0	8.0	0.5	647718	7692593	68	-56	331	102.0	RC
HMRC408D	Diucon	130.0	141.0	11.0	1.5	647344	7692195	68	-56	329	383.8	RC
HMRC408D	Diucon	298.0	301.0	3.0	1.3	647344	7692195	68	-56	329	383.8	DD
HMRC408D	Diucon	350.0	354.0	4.0	0.8	647344	7692195	68	-56	329	383.8	DD
HMRC410D	Diucon	371.0	391.2	20.2	1.0	647293	7692119	68	-56	331	545.8	DD
HMRC411	Diucon	98.0	100.0	2.0	2.5	647372	7692304	67	-56	331	159.0	RC
HMRC411	Diucon	113.0	122.0	9.0	0.9	647372	7692304	67	-56	331	159.0	RC
HMRC411	Diucon	132.0	141.0	9.0	1.0	647372	7692304	67	-56	331	159.0	RC
HMRC412	Diucon	101.0	105.0	4.0	0.9	647065	7692357	67	-56	330	141.0	RC
HMRC413	Diucon	78.0	90.0	12.0	3.1	647392	7692270	67	-56	328	177.0	RC
HMRC413	Diucon	95.0	103.0	8.0	1.1	647392	7692270	67	-56	328	177.0	RC
HMRC413	Diucon	153.0	160.0	7.0	0.7	647392	7692270	67	-56	328	177.0	RC
HMRC414D	Diucon	160.3	171.7	11.4	0.9	647432	7692199	68	-56	331	523.9	DD
HMRC414D	Diucon	298.0	302.0	4.0	0.7	647432	7692199	68	-56	331	523.9	DD

Table 3: Significant results (>40 gram x m Au) - Intercepts - 0.3g/t Au lower cut, 10m maximum internal waste

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
HEDD063	Diucon	80.9	144.6	63.7	1.4	647088	7692324	68	-56	328	295	DD
HEDD065	Diucon	155.0	256.6	101.6	1.6	647128	7692253	68	-52	332	373	DD
HEDD065	Diucon	269.0	348.0	79.0	2.3	647128	7692253	68	-52	332	373	DD
HEDD066	Diucon	139.5	191.8	52.3	2.9	647145	7692218	68	-56	331	450	DD
HEDD066	Diucon	219.0	310.0	91.0	1.5	647145	7692218	68	-56	331	450	DD
HEDD066	Diucon	322.0	413.8	91.8	0.9	647145	7692218	68	-56	331	450	DD
HEDD067	Diucon	282.0	415.0	133.0	1.6	647168	7692184	68	-56	331	487	DD
HEDD069	Diucon	88.0	113.0	25.0	1.8	647256	7692188	68	-56	329	433	DD
HEDD069	Diucon	185.0	212.0	27.0	2.3	647256	7692188	68	-56	329	433	DD
HEDD071W1	Diucon	365.6	465.0	99.4	1.3	647095	7692144	68	-56	333	539	DD
HEDD071W1	Diucon	477.0	506.0	29.0	1.7	647095	7692144	68	-56	333	539	DD
HEDD072	Diucon	332.0	366.0	34.0	1.7	647116	7692109	68	-56	330	576	DD
HEDD072	Diucon	423.4	456.7	33.3	1.2	647116	7692109	68	-56	330	576	DD
HEDD108	Diucon	151.8	255.8	104.0	1.2	647195	7692294	67	-56	331	326	DD
HEDD113	Diucon	144.0	162.0	18.0	3.0	647234	7692224	68	-55	329	402	DD
HEDD113	Diucon	198.0	220.0	22.0	2.7	647234	7692224	68	-55	329	402	DD
HEDD117	Diucon	342.0	447.0	105.0	0.4	647275	7692153	68	-55	328	481	DD
HEDD128	Diucon	572.0	669.1	97.1	2.6	647202	7691880	68	-58	330	978	DD
HEDD128	Diucon	762.5	807.3	44.8	1.4	647202	7691880	68	-58	330	978	DD
HEDD128	Diucon	822.0	889.4	67.4	1.0	647202	7691880	68	-58	330	978	DD
HEDD155	Diucon	254.8	330.0	75.2	0.9	647318	7692313	68	-71	111	350	DD
HEDD162	Diucon	223.0	252.4	29.4	1.5	647007	7692232	68	-53	332	340	DD
HEDD215	Diucon	225.0	316.0	91.0	0.6	647284	7692299	68	-56	330	334	DD
HEDD216	Diucon	52.0	88.7	36.7	2.0	647304	7692264	68	-56	330	402	DD
HEDD216	Diucon	191.5	280.0	88.5	0.8	647304	7692264	68	-56	330	402	DD
HEDD219	Diucon	308.7	400.5	91.8	1.3	647187	7692149	68	-56	329	570	DD
HEDD219	Diucon	413.2	485.3	72.1	0.7	647187	7692149	68	-56	329	570	DD
HEDD361	Diucon	406.0	546.1	140.1	0.8	647226	7692081	68	-55	332	670	DD
HEDD400	Diucon	509.1	595.7	86.7	0.9	647320	7691996	68	-55	330	826	DD
HERC761D	Diucon	176.0	296.0	120.0	0.5	647384	7692215	68	-57	330	439	DD
HMRC413	Diucon	78.0	113.0	35.0	1.4	647392	7692270	67	-56	328	177	RC

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Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *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.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *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.*	• All drilling and sampling was undertaken in an industry standard manner. • Core samples were collected with a diamond rig drilling mainly NQ2 diameter core. • 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. • Sample weights ranged from 2-4kg. • RC holes were sampled on a 1m basis with samples collected from a cone splitter mounted on the drill rig cyclone. The 1m samples typically ranged in weight from 2.5kg to 3.5kg. • 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 1kg to 3kg. Aircore results have not been used in the resource estimate. • Commercially prepared certified reference material ("CRM") and course blank was inserted at a minimum rate of 2%. • Field duplicates were selected on a routine basis to verify the representivity of the sampling methods. • Sample preparation is completed at an independent laboratory where samples are dried, split, crushed and pulverized prior to analysis as described below. • Sample sizes are considered appropriate for the material sampled. • The samples are considered representative and appropriate for this type of drilling. Diamond core and RC samples are appropriate for use in the Mineral Resource estimate.
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.).*	• Diamond core diameters are - NQ2 (51mm), HQ3 (61mm), PQ (85mm). • Reverse Circulation (RC) holes were drilled with a 51/2-inch bit and face sampling hammer. • Aircore holes were drilled with an 83mm diameter blade bit.

Criteria	JORC Code explanation	Commentary
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.*	• 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. • RC and aircore samples were visually assessed for recovery. • Samples are considered representative with generally good recovery. Deeper RC and aircore holes encountered water, with some intervals having less than optimal recovery and possible contamination. • No sample bias is observed.
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.*	• 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 • RC and diamond sample results are appropriate for use in a resource estimation. • The aircore results provide a good indication of mineralisation but are not used in resource estimation.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• Core samples were collected with a diamond drill rig drilling NQ2, HQ3 or PQ diameter core. 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. • RC sampling was carried out by a cone splitter on the rig cyclone and drill cuttings were sampled on a 1m basis in bedrock and 4m composite basis in cover. • 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. • Each sample was dried, split, crushed and pulverised to 85% passing 75µm. • Sample sizes are considered appropriate for the material sampled. • The samples are considered representative and appropriate for this type of drilling. • Core and RC samples are appropriate for use in a resource estimate. • Aircore samples are generally of good quality and appropriate for delineation of geochemical trends but were not used in the Mineral Resource estimate.

Criteria	JORC Code explanation	Commentary
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.*	• The samples were submitted to a commercial independent laboratory in Perth, Australia. • For diamond core and RC samples Au was analysed by a 50g charge Fire assay fusion technique with an AAS finish. • Aircore samples were analysed for Au using 25g aqua regia extraction with ICPMS finish. • All aircore samples and at least every fifth RC and DD sample were analysed with ALS procedure MS61 which comprises a four acid digest and repots a 48 element analysis by ICPAES and ICPMS. • The techniques are considered quantitative in nature. • A comprehensive QAQC protocol including the use of CRM, field duplicates and umpire assay at a second commercial laboratory has confirmed the reliability of the assay method.
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.*	• A number of significant intersections were visually field verified by the Competent Person. • Two twin holes were completed. The diamond twins verify grade tenor and mineralisation thickness of RC holes. • Sample results have been merged by the company's database consultants. • Results have been uploaded into the company database, checked and verified. • No adjustments have been made to the assay data. • Results are reported on a length weighted basis.
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.*	• Diamond and RC drill hole collar locations are located by DGPS to an accuracy of +/-10cm. • Aircore hole collar locations are located by DGPS to an accuracy of +/-10cm., or by handheld GPS to an accuracy of 3m. • Locations are recorded in GDA94 zone 50 projection • Diagrams and location tables have been provided in numerous releases to the ASX. • Topographic control is by detailed georeferenced airphoto and Differential GPS data. • Down hole surveys were conducted for all RC and DD holes using a north seeking gyro tool with measurements at 10m down hole intervals.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.*	• Drill spacing varies from 40m x 40m to 320m x 80m. • The extensive drilling programs have demonstrated that the mineralised domains have sufficient continuity in both geology and

Criteria	JORC Code explanation	Commentary
	• *Whether sample compositing has been applied.*	grade to be considered appropriate for the Mineral Resource and Ore Reserve estimation procedures and classification applied under the 2012 JORC Code. • Data spacing and distribution of RC and diamond drilling is sufficient to provide support for the results to be used in a resource estimate. • Sample compositing has not been applied except in reporting of drill intercepts, as described in this Table
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 drilling is approximately perpendicular to the strike of mineralisation. The holes are generally angled at -55o which provides good intersection angles into the mineralisation which ranges from vertical to -45o dip. • The sampling is considered representative of the mineralised zones. • Where drilling is not orthogonal to the dip of mineralised structures, true widths are less than downhole widths.
Sample security	• *The measures taken to ensure sample security.*	• Samples were collected by company personnel and delivered direct to the laboratory via a transport contractor.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• QAQC data has been both internally and externally reviewed.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *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.* • *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.*	• The Hemi deposit lies within exploration licence E45/3392-I. The tenement is held 100% by Last Crusade Pty Ltd, a wholly owned subsidiary of De Grey Mining Limited. • The Hemi deposit is approximately 60km SSW of Port Hedland. • The tenements are in good standing as at the time of this report. • There are no known impediments to operating in the area.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• No detailed exploration is known to have occurred on the tenement prior to De Grey Mining. Prior to the Hemi discovery, De Grey completed programs of airborne aeromagnetics/radiometrics, surface geochemical sampling and wide spaced aircore and RAB drilling. Limited previous RC drilling was carried out at the Scooby Prospect approximately 2km NE of the Brolga deposit at Hemi.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The mineralisation style is new to the Pilbara region and is interpreted to be hydrothermally emplaced gold mineralisation within intermediate intrusions that have intruded into

Criteria	JORC Code explanation	Commentary
		the older Archaean Mallina basin sediments. • Host rocks comprise igneous rocks of quartz diorite composition. • The gold mineralisation is intimately associated with sulphide stringers and disseminations. • The sulphide minerals are dominantly arsenopyrite and pyrite.
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 and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	• Drill hole location and directional information are provided in this release and various previous ASX releases.
Data 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.*	• Results are reported to a minimum cutoff grade of 0.5g/t gold with an internal dilution of 4m maximum. • Wider intervals are aggregated using a 0.3g/t Au lower cut with an internal dilution of 10m maximum. Results over 50 gram x metres are reported using this method. • Intercepts are length weighted averaged. • No maximum cuts have been made.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *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').*	• The drill holes are approximately perpendicular to the strike of mineralisation. • Where drilling is not perpendicular to the dip of mineralisation the true widths are less than downhole 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.*	• Plans and sections are provided in this release.
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 drill collar locations are shown in figures and all significant results are provided in this report. • The report is considered balanced and provided in context.
Other substantive	• *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*	• Extensive metallurgical, groundwater, and geotechnical studies have commenced as part of the economic assessment of the project.

Criteria	JORC Code explanation	Commentary
exploration data	*method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	
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 possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Programs of follow up RC and diamond drilling aimed at extending resources at depth and laterally are underway. • Refer to diagrams in the body of this and previous ASX releases.