



ASX ANNOUNCEMENT 15 April 2021

Strong extensions to Diucon and Eagle

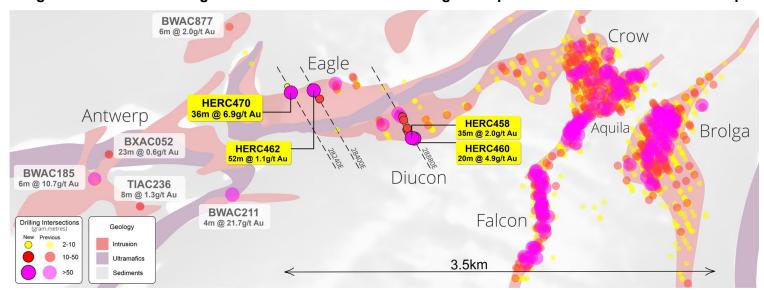
Eagle – Mineralisation extended to approximately 600m strike, 300m depth and remains open to the north, west and at depth.

- New results on the two current western most sections at Eagle include:
 - 36m @ 6.9g/t Au from 40m in HERC470
 - 52m @ 1.1g/t Au from 40m in HERC462

Diucon – Mineralisation width extended to approximately 200m with new lodes intersected across strike from the previously reported **121m @ 1.1g/t Au** in HERC452. Diucon strike is currently approximately 900m and mineralisation remains open at depth and beneath sediments to the west.

- Significant new results at Diucon include:
 - 35m @ 2.0g/t Au from 83m in HERC458
 - 20m @ 4.9g/t Au from 201m in HERC460
- Hemi mineralisation now extends approximately 3.5km east-west from Brolga to Eagle.
- Diucon and Eagle demonstrate the potential to rapidly and cost effectively add to the gold endowment at Hemi.

Figure 1 Hemi showing new RC results at Diucon and Eagle and previous aircore results at Antwerp





De Grey Managing Director, Glenn Jardine, commented:

"Diucon and Eagle potentially represent another step change to the gold endowment at Hemi. Both zones remain open along strike and at depth.

RC drilling is currently on 160m spaced sections and 80m spaced collars on section. We have demonstrated 900m and 600m strike lengths respectively at Diucon and Eagle with significant grades and widths downhole. Mineralisation remains open along strike and at depth with multiple stacked lodes in places. RC drilling to determine overall scale along strike continues and diamond drilling of potential down dip extensions is expected to commence during the quarter."

Diucon and Eagle are located immediately to the west of Crow and present a potential geological link between the Crow intrusion to Antwerp (Figure 1). The gold mineralisation shows similar alteration and sulphide development as seen at the adjacent deposits of Aquila, Brolga, Crow and Falcon.

Both zones remain open and provide substantial potential to rapidly and cost effectively increase the gold endowment of Hemi with continued drilling.

Significant new gold results in drilling are provided in Tables 1 and 2.

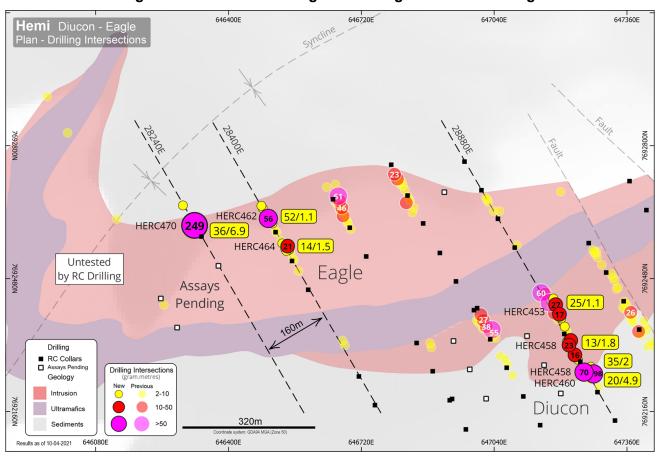


Figure 2 Hemi showing new drilling at Diucon and Eagle



Eagle Drilling

The RC drilling at Eagle comprises 160m spaced sections with 80m spaced holes on section. Broad zones of gold mineralisation continue to be defined as drilling advances to the west.

The strike at Eagle has been increased to approximately 600m and remains open to the west towards Antwerp. The geological interpretation of the magnetic data and aircore drilling suggests the Eagle intrusion may also extend to the north, providing added potential.

Recent drilling on section 28240E (Figure 3) has intersected a shallow zone of high grade mineralisation including **36m @ 6.9g/t Au** from only 40m downhole in HERC470. This strong zone of mineralisation commences immediately below transported cover within the altered intrusion adjacent to the contact with the sediments to the north.

Hole HERC480 (assays pending) on section 28240E has intersected another 50m of sulphide altered mineralisation approximately 80 vertical metres below HERC470 at the current known western extent of this lode (Table 3).

Hole HERC462 has intersected **52m @ 1.1g/t Au** from 40m on section 28400E (Figure 4) in the same lode intersected in HERC470. Depth extensions occur in HERC464 including 5m @ 1.8g/t Au and 14m @ 1.5g/t Au ending in mineralisation. Extensional diamond drilling is required on HERC464 to test mineralisation at the intrusion-sediment contact. Drilling is currently wide-spaced and infill drilling may be required to better define continuity.

Eagle has only been partially tested at depth. Limited deeper drilling shows mineralisation extends to a depth of at least 300m on section 28560E where HERC454 (*previously reported*) intersected **123m @ 1.0g/t Au** including **26m @ 1.8g/t** Au and **39m @ 1.6g/t Au** and remains open.

Diucon Drilling

Additional drilling results at Diucon have been received from section 28880E and show three stacked sub-vertical lodes south of the ultramafic unit (Figure 5). The multiple stacked lodes have not previously been defined along strike and further drilling will be required to test the potential to extend these along strike.

Significant new results include:

Northern Diucon Lode

- 10m @ 1.7g/t Au from 212m in and 25m @ 1.1g/t Au from 256m in HERC453
- 121m @ 1.1g/t Au in HERC452 (previously reported)

Central Diucon Lode

- 4m @ 2.7g/t from 93m in HERC453
- 13m @ 1.2g/t Au from 180m, 5m @ 1.3g/t Au from 198m, 6m @ 1.1g/t Au from 212m and 13m
 @ 1.8g/t Au from 226m in HERC458 within an overall interval of 72m @ 0.8g/t Au from 180m

Southern Diucon Lode

- 35m @ 2.0g/t Au from 83m in HERC458
- 20m @ 4.9g/t Au from 201m and 3m @ 1.9g/t Au from 240m in HERC460

RC and diamond drilling on 160m x 80m step-outs to extend mineralisation along strike and at depth is currently underway. Infill to 80m x 80m is also planned to commence during the quarter.



Hemi Eagle Section - 28240E Eagle HERC470 N S (grid) (grid) Depth 0m 0m 36m @ 6.9g/t Au 36/6.9 -50m 50m-Gold Zone Sediments Sediments 100m-Drill Hole Trace Ultramafic Intrusion 150m-Drill Collar Intersection Labels 44/4.4 New Results
44/4.4 Previously Reported 200m-851680mN 851840mN 851760mN 851360mN 852000mN

Figure 3 Section 28240E at Eagle



Figure 4 Section 28400E at Eagle

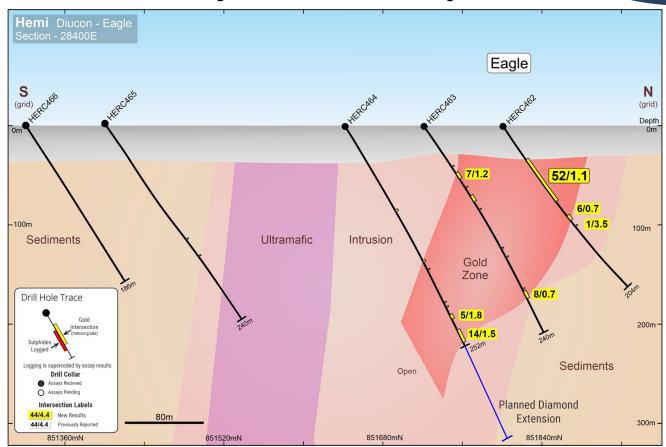
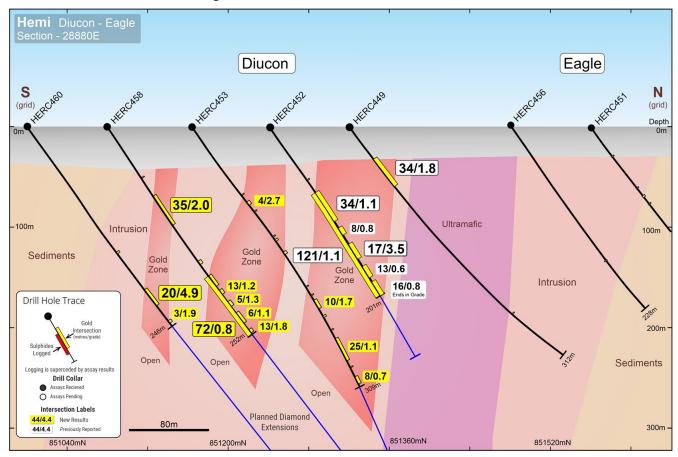


Figure 5 Section 28880E at Diucon



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:

- 2020 Mallina Gold Project Resource update, 2 April 2020 Exploration results at Hemi 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 Aguila 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



Table 1: Significant new results (>2 gram x m Au) - Intercepts - 0.5g/t Au lower cut, 4m maximum internal waste, >2gm

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
BWAC712	Diucon	77.0	78.0	1.0	2.0	647178	7692087	68	-60	332	81	AC
HERC453	Diucon	93.0	97.0	4.0	2.7	647248	7692280	68	-55	333	309	RC
HERC453	Diucon	105.0	106.0	1.0	3.7	647248	7692280	68	-55	333	309	RC
HERC453	Diucon	155.0	158.0	3.0	0.8	647248	7692280	68	-55	333	309	RC
HERC453	Diucon	196.0	197.0	1.0	2.2	647248	7692280	68	-55	333	309	RC
HERC453	Diucon	212.0	222.0	10.0	1.7	647248	7692280	68	-55	333	309	RC
incl	Diucon	221.0	222.0	1.0	7.1	647248	7692280	68	-55	333	309	RC
HERC453	Diucon	256.0	281.0	25.0	1.1	647248	7692280	68	-55	333	309	RC
HERC453	Diucon	299.0	307.0	8.0	0.7	647248	7692280	68	-55	333	309	RC
HERC458	Diucon	83.0	118.0	35.0	2.0	647289	7692207	68	-56	329	252	RC
incl	Diucon	101.0	107.0	6.0	3.6	647289	7692207	68	-56	329	252	RC
HERC458	Diucon	162.0	166.0	4.0	1.0	647289	7692207	68	-56	329	252	RC
HERC458	Diucon	180.0	193.0	13.0	1.2	647289	7692207	68	-56	329	252	RC
incl	Diucon	192.0	193.0	1.0	8.9	647289	7692207	68	-56	329	252	RC
HERC458	Diucon	198.0	203.0	5.0	1.3	647289	7692207	68	-56	329	252	RC
incl	Diucon	202.0	203.0	1.0	4.6	647289	7692207	68	-56	329	252	RC
HERC458	Diucon	212.0	218.0	6.0	1.1	647289	7692207	68	-56	329	252	RC
HERC458	Diucon	226.0	239.0	13.0	1.8	647289	7692207	68	-56	329	252	RC
incl	Diucon	230.0	231.0	1.0	13.3	647289	7692207	68	-56	329	252	RC
HERC458	Diucon	247.0	251.0	4.0	0.8	647289	7692207	68	-56	329	252	RC
HERC460	Diucon	201.0	221.0	20.0	4.9	647331	7692138	68	-55	329	246	RC
incl	Diucon	202.0	207.0	5.0	11.9	647331	7692138	68	-55	329	246	RC
incl	Diucon	214.0	216.0	2.0	12.1	647331	7692138	68	-55	329	246	RC
HERC460	Diucon	240.0	243.0	3.0	1.9	647331	7692138	68	-55	329	246	RC
HERC462	Eagle	40.0	92.0	52.0	1.1	646513	7692592	66	-57	339	204	RC
HERC462	Eagle	110.0	116.0	6.0	0.7	646513	7692592	66	-57	339	204	RC
HERC462	Eagle	123.0	124.0	1.0	3.5	646513	7692592	66	-57	339	204	RC
HERC463	Eagle	49.0	50.0	1.0	3.7	646553	7692522	67	-55	331	240	RC
HERC463	Eagle	57.0	64.0	7.0	1.2	646553	7692522	67	-55	331	240	RC
HERC463	Eagle	84.0	91.0	7.0	0.6	646553	7692522	67	-55	331	240	RC
HERC463	Eagle	194.0	202.0	8.0	0.7	646553	7692522	67	-55	331	240	RC
HERC464	Eagle	217.0	222.0	5.0	1.8	646592	7692453	67	-57	333	252	RC
HERC464	Eagle	234.0	248.0	14.0	1.5	646592	7692453	67	-57	333	252	RC
incl	Eagle	237.0	238.0	1.0	5.5	646592	7692453	67	-57	333	252	RC
incl	Eagle	242.0	243.0	1.0	6.2	646592	7692453	67	-57	333	252	RC
HERC470	Eagle	40.0	76.0	36.0	6.9	646335	7692581	66	-55	329	180	RC
incl	Eagle	43.0	51.0	8.0	11.4	646335	7692581	66	-55	329	180	RC
incl	Eagle	60.0	66.0	6.0	22.2	646335	7692581	66	-55	329	180	RC
HERC470	Eagle	156.0	159.0	3.0	0.8	646335	7692581	66	-55	329	180	RC



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

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
HERC453	Diucon	196.0	232.0	36.0	0.6	647248	7692280	68	-55	333	309	RC
HERC453	Diucon	245.0	308.0	63.0	0.7	647248	7692280	68	-55	333	309	RC
HERC458	Diucon	82.0	127.0	45.0	1.6	647289	7692207	68	-56	329	252	RC
HERC458	Diucon	180.0	252.0	72.0	0.8	647289	7692207	68	-56	329	252	RC
HERC460	Diucon	201.0	222.0	21.0	4.7	647331	7692138	68	-55	329	246	RC
HERC462	Eagle	40.0	92.0	52.0	1.1	646513	7692592	66	-57	339	204	RC
HERC470	Eagle	38.0	79.0	41.0	6.1	646335	7692581	66	-55	329	180	RC

Table 3: Selected sulphide (>3%) intercepts

HoleID	Collar East (GDA94)	Collar North (GDA94)	Collar RL (GDA94)	Dip (degrees)	Azimuth (GDA94)	Hole Depth (m)	Sulphide Interval (m)
HERC480	646376	7692511	66.5	-56.55	328.601	228	116-165 (EoH)



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	 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. 	 an industry standard manner Core samples were collected with a diamond rig drilling mainly NQ2 diameter core.
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.). 	HQ3 (61mm), PQ (85mm).
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. 	run by the driller and then checked by the Company geological team during the mark up and logging process.



Criteria	JORC Code explanation	Commentary
		 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, except where sample recovery is poor. 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. Industry prepared independent standards are inserted approximately 1 in 20 samples. Each sample was dried, split, crushed and pulverised. 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 are not generally used in resource estimates.



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. 	 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 and multi-elements by ICPAES and ICPMS
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. 	,
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 given in GDA94 zone 50 projection Diagrams and location table are provided in the report Topographic control is by detailed airphoto and Differential GPS data.
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. Whether sample compositing has been applied. 	 Drill spacing varies from 80m x 40m to 320m x 80m. All holes have been geologically logged and provide a strong basis for geological control and continuity of mineralisation. It has not yet been determined if 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 believed to be approximately perpendicular to the strike of mineralisation where known and therefore the sampling is considered representative of the mineralised zone. In some cases, drilling is not at right angles to the dip of mineralised structures and as such true widths are less than downhole widths.



Criteria	JORC Code explanation	Commentary
		This is allowed for when geological interpretations are completed.
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.	 No audits have been completed. Review of QAQC data has been carried out by database consultants and company geologists.

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. 	 Drilling occurs on various tenements held to De Grey Mining Ltd or its 100% owner subsidiaries. The Hemi Prospect is approximately 60k SSW of Port Hedland.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	The tenements have had various levels previous surface geochemical sampling ar wide spaced aircore and RAB drilling by D Grey Mining. Limited previous RC drilling was carried out at the Scooby Prospect Airborne aeromagnetics/radiometrics has been flown previously.
Geology	Deposit type, geological setting and style of mineralisation.	The mineralisation style is not we understood to date but is thought to be hydrothermally emplaced gold mineralisation within structures and intrusions. Host rock comprise igneous rocks intruding Mallin Basin metasediments. Style is similar some other Western Australian gold deposit
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 provide in the report.
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 	 Results are reported to a minimum cutor grade of 0.5g/t gold with an internal dilution 4m maximum. Higher grade intervals included in the above intercepts are reported at a 3g/t Au lower company.



Criteria	JORC Code explanation	Commentary
	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.	 with an internal dilution of 2m maximum. 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. 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 interpreted to be approximately perpendicular to the strike of mineralisation. 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.
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 the report.
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.	Drilling is currently widely spaced and further details will be reported in future releases when data is available.
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. 	 Follow up aircore drilling will be undertaken to test for strike extensions to mineralisation. Programs of follow up RC and diamond drilling aimed at extending resources at depth and laterally are underway.