

ASSAYS RECEIVED FROM SECOND DRILL PROGRAM - KILLARNEY GOLD PROJECT

HIGHLIGHTS

Killarney Project – Gold

- Assays received from the second RC drill program at Killarney.
 - Significant intercepts include:
 - **4m @ 1.63g/t Au including 2m @ 2.99g/t Au, from 55m**
 - **3m @ 1.18g/t Au including 1m @ 3.00g/t Au, from 76m**
 - **2m @ 1.32g/t Au from 72m**
 - **8m @ 0.68g/t Au including 2m @ 2.02g/t Au, from 36m**
 - **8m @ 0.84g/t Au including 1m @ 5.7g/t Au, from 68m**
 - Assay results confirm the presence of gold within the targeted structural corridor.
 - Mineralisation is associated with zones of heavily weathered ferruginous saprolite and quartz veining, further to the east the mineralised structure was intersected in fresh rock.
 - Samples have been resubmitted for assay utilising the PhotonAssay™ technique to assess the potential of “nuggety” gold. Results anticipated within eight weeks.
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Duketon Mining Limited (Company or DKM) is pleased to provide an update on recent drilling activities completed at the Killarney Gold Project (**Project**), where drilling continues to intersect gold mineralisation across multiple holes.



Duketon's Managing Director, Stuart Fogarty, said; *"The latest drilling results from Killarney continue to strengthen our confidence in the scale and continuity of the mineralised system. Importantly, every hole targeting the structure has intersected gold, further validating our interpretation of a robust mineralised corridor. While this program returned more variable grades than those seen previously, this is consistent with a nuggety and structurally controlled system, and the continued presence of gold across multiple drill sections is highly encouraging.*

The geological and structural information gathered from this campaign is proving invaluable. It enhances our understanding of the controls on mineralisation and will directly inform the next phase of work as we refine our exploration model and prioritise targets with the potential to host higher-grade zones.

With PhotonAssay™ analysis underway and detailed modelling to follow, we are steadily building a clearer picture of Killarney's gold potential. We look forward to advancing the Project with a more targeted drilling program in the next campaign and updating shareholders as we progress."

Significant intercepts include:

- **4m @ 1.63g/t Au including 2m @ 2.99g/t Au, from 55m in 25KRC020**
- **3m @ 1.18g/t Au including 1m @ 3.00g/t Au, from 76m in 25KRC031**
- **2m @ 1.32g/t Au from 72m in 25KRC024**
- **8m @ 0.68g/t Au including 2m @ 2.02g/t Au, from 36m in 25KRC019**
- **8m @ 0.84g/t Au from 68m including 1m @ 5.7g/t Au, from 68m in 25KRC021**

The Project is located 63km east of Mount Magnet and approximately 80km west of Sandstone in Western Australia. The Project is located 8km north of the sealed Mount Magnet – Sandstone Road, access by well-maintained gravel roads and station tracks.

Eighteen (18) RC drillholes were completed for 1,560 metres. Drilling to the immediate east of the historic shallow Killarney Pit intersected a strongly weathered zone with variable quartz veining. Further to the east, drillholes intersected the mineralised structure in fresh rock.



Recent assay results confirm the presence of gold within the targeted structural corridor. While grades encountered in this program were generally lower than those returned from the previous drill program, the Company has identified grade variability as a characteristic of this mineralised system. Natural variations in gold distribution are common within structurally controlled and/or nuggety gold systems, and continued intersections of gold remain a positive indicator of the robustness of the mineralised system.

The Company is encouraged that all holes targeting the mineralised structure continue to intersect gold, reinforcing the Company's understanding that it remains within a mineralised corridor of potential significance. These results, combined with logged geology and structural observations, provide valuable information that will assist in refining the Company's exploration model.

The technical team will now undertake a detailed review of the new geological data, assay trends, and structural interpretations. This reassessment will inform targeting and prioritisation for the next phase of drilling, with the objective to define zones of higher-grade mineralisation within the broader system.

Next Steps

- PhotonAssay™ to identify gold distribution (nugget effect).
- Enhanced geological and structural modelling integrating new assay results.
- Planning the next drilling program.

The Company looks forward to updating shareholders as interpretation progresses and preparations begin for the next round of drilling.

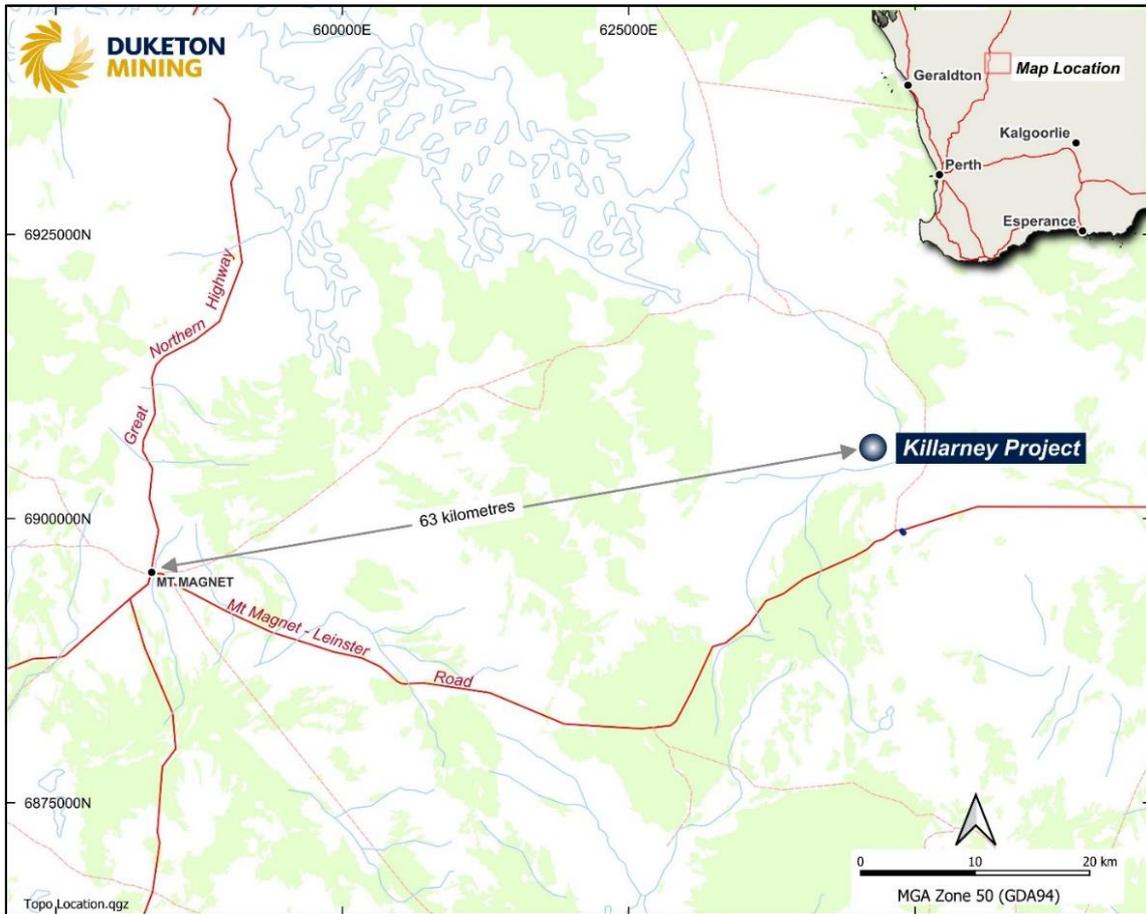


Figure 1: Killarney Project Location

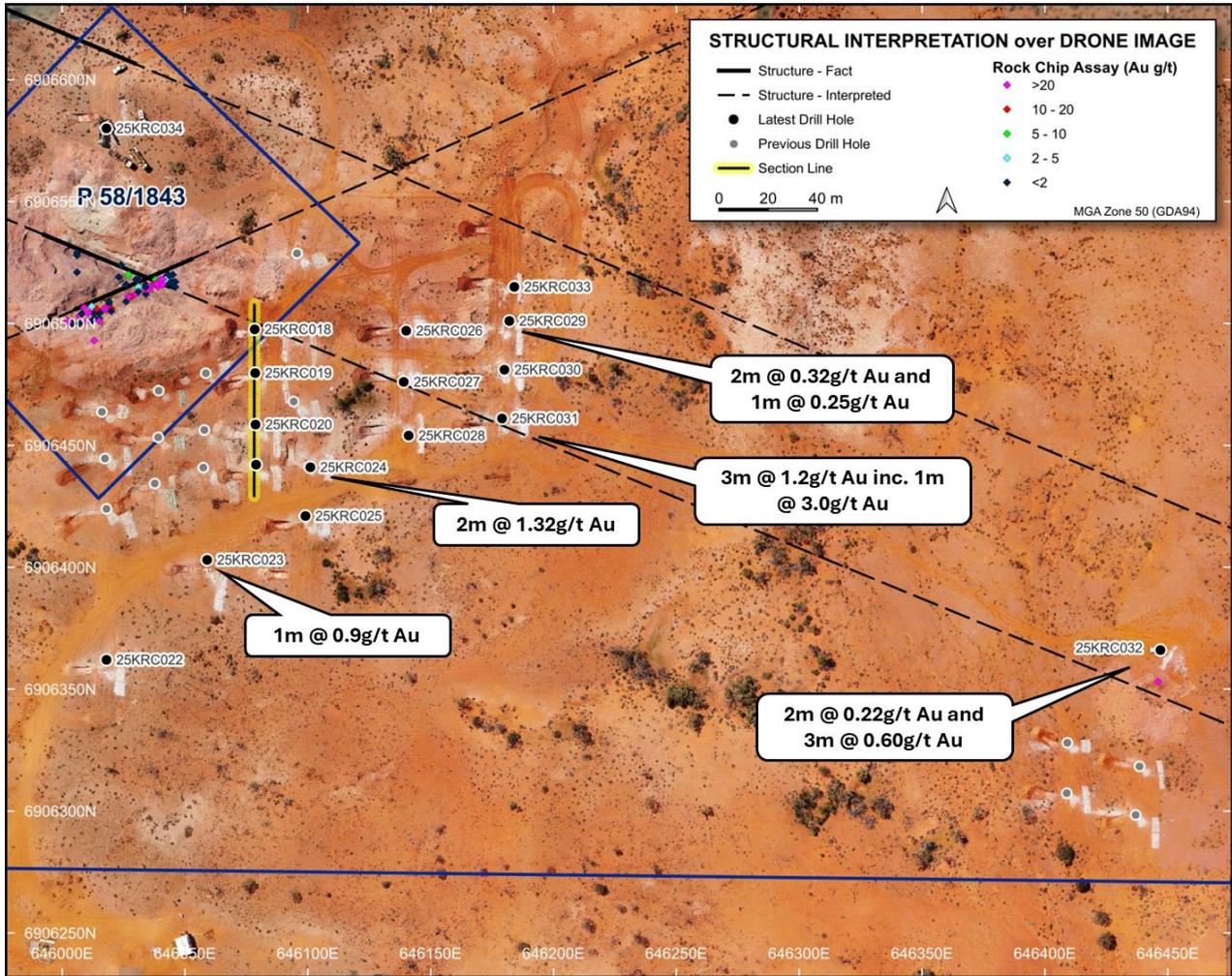


Figure 2: RC Drillhole Location Plan, Killarney Project

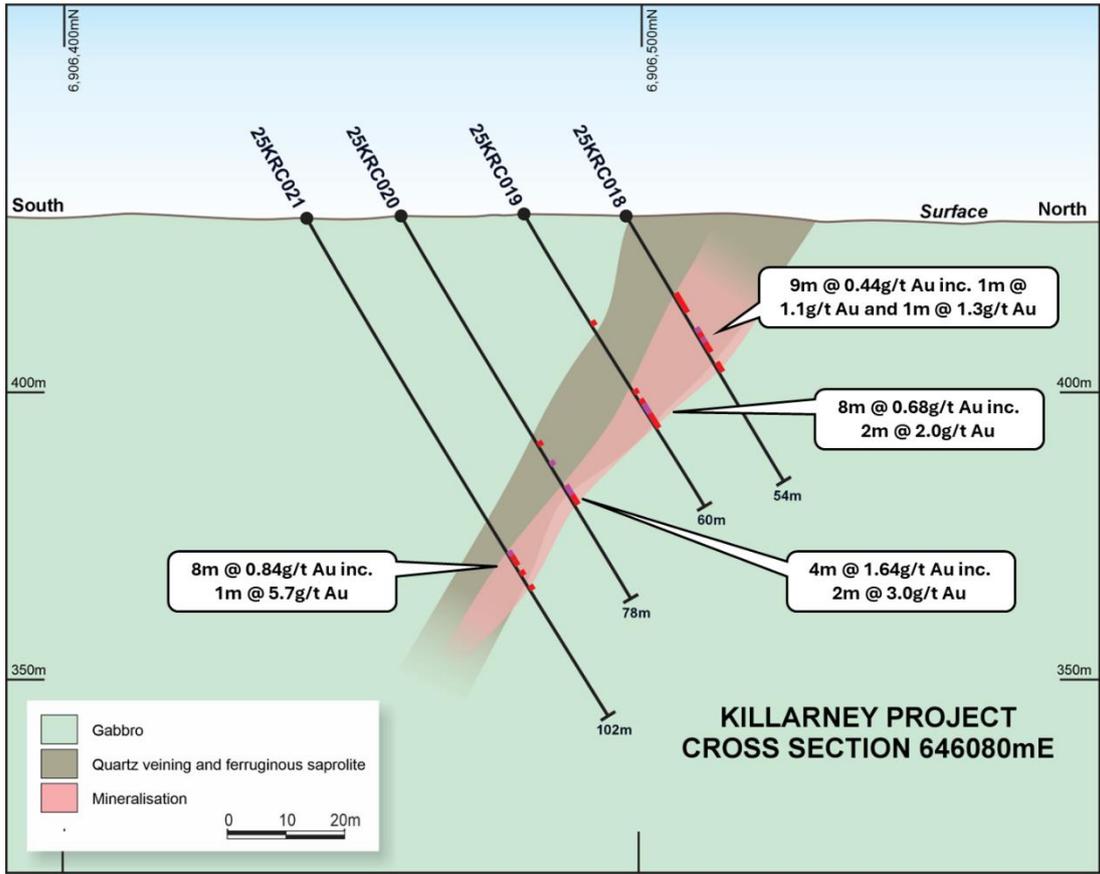


Figure 3: Cross Section 646080E, Killarney Project



Table 1: Significant Intercepts, RC Drilling Killarney
 (Significant intercepts are >1m @ 0.1g/t Au, maximum internal dilution of 2 metres.
 Intersections are downhole widths).

Hole ID	Depth From (m)	Depth To (m)	Intercept Width (m)	Au (ppb)	Significant Intercept
25KRC018	16	20	4	103	4m @ 0.10g/t Au
and	23	32	9	439	9m @ 0.44g/t Au
inc.	23	24	1	1095	1m @ 1.1g/t Au
and	25	26	1	1300	1m @ 1.3g/t Au
25KRC019	22	23	1	244	1m @ 0.24g/t Au
and	36	44	8	677	8m @ 0.68g/t Au
inc.	39	41	2	2020	2m @ 2.02g/t Au
25KRC020	46	47	1	178	1m @ 0.18g/t Au
and	50	51	1	1211	1m @ 1.21g/t Au
and	55	59	4	1634	4m @ 1.63g/t Au
inc.	55	57	2	2994	2m @ 2.99g/t Au
25KRC021	68	76	8	836	8m @ 0.84g/t Au
inc.	68	69	1	5700	1m @ 5.7g/t Au
25KRC023	127	128	1	900	1m @ 0.9g/t Au
25KRC024	4	5	1	324	1m @ 0.32g/t Au
and	65	68	3	151	3m @ 0.15g/t Au
and	72	74	2	1322	2m @ 1.32g/t Au
25KRC025	89	91	2	366	2m @ 0.37g/t Au
25KRC026	39	40	1	118	1m @ 0.12g/t Au
and	44	45	1	266	1m @ 0.27g/t Au
25KRC027	49	54	5	249	5m @ 0.25g/t Au
25KRC028	67	69	2	194	2m @ 0.19g/t Au
25KRC029	5	7	2	317	2m @ 0.32g/t Au
and	40	41	1	248	1m @ 0.25g/t Au
25KRC030	56	57	1	116	1m @ 0.12g/t Au
25KRC031	76	79	3	1178	3m @ 1.18g/t Au
inc.	77	78	1	3001	1m @ 3.00g/t Au
25KRC032	9	11	2	222	2m @ 0.22g/t Au
and	16	19	3	602	3m @ 0.60g/t Au



Table 2: Drillhole collar locations

Hole ID	Easting (MGA 94 Z51)	Northing (MGA 94 Z51)	Nominal RL (m)	Dip (°)	Azimuth (mag °)	Total Depth (m)
25KRC018	646078	6906498	430	-60	360	54
25KRC019	646079	6906480	430	-60	360	60
25KRC020	646079	6906459	430	-60	360	78
25KRC021	646079	6906442	430	-60	360	102
25KRC022	646018	6906362	430	-60	360	118
25KRC023	646059	6906403	430	-60	360	148
25KRC024	646101	6906441	430	-60	360	100
25KRC025	646099	6906421	430	-60	360	108
25KRC026	646140	6906497	430	-60	360	72
25KRC027	646139	6906476	430	-60	360	90
25KRC028	646141	6906454	430	-60	360	90
25KRC029	646182	6906501	430	-60	360	84
25KRC030	646180	6906481	430	-60	360	90
25KRC031	646179	6906461	430	-60	360	102
25KRC032	646447	6906366	430	-60	220	54
25KRC033	646184	6906515	430	-60	360	42
25KRC034	646018	6906580	430	-60	360	84
25KRC035	645777	6906478	430	-60	360	84

Authorised for release by:
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Competent Person Statement

The information in this release that relates to exploration results is based on historical and current information compiled by Ms Kirsty Culver, Member of the Australian Institute of Geoscientists (AIG) and an employee of Duketon Mining Limited. Ms Culver has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a competent person as defined in the JORC Code 2012. Ms Culver consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

Validity of Referenced Results

The information in this report that references previously reported exploration results have been extracted from the Company's ASX market announcements released on the date noted in the body of the text where that reference appears. The previous market announcements are available to view on the Company's website or on the ASX website (www.asx.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.



JORC Table 1

JORC Code, 2012 Edition – Table 1 report – Killarney Project

Section 1 Sampling Techniques and Data – Killarney RC Drilling

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> • <i>Nature and quality of sampling (eg 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.</i> • <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> • <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> • <i>In cases where 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.</i> 	<ul style="list-style-type: none"> • RC drill chips were collected as 1 metre samples from the rig cyclone and cone splitter to provide a 1 metre sample. Composite samples were collected using a spear. Sample size is approximately 2kg. • Certified samples and blanks and field duplicates are routinely added to every batch of samples. • Zones of interest determined qualitatively by geological logging.
Drilling techniques	<ul style="list-style-type: none"> • <i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).</i> 	<ul style="list-style-type: none"> • RC drilling using a face sampling hammer with a nominal diameter of 140mm.

Criteria	JORC Code explanation	Commentary
Drill sample recovery	<ul style="list-style-type: none"> • Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	<ul style="list-style-type: none"> • Recoveries qualitatively noted at the time of drilling and recorded in the DKM database. • The cyclone of the drill rig is cleaned at the end of each rod to ensure sample is not “hung-up” and samples are as clean as possible with as little cross contamination as possible.
Logging	<ul style="list-style-type: none"> • Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. • Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. • The total length and percentage of the relevant intersections logged. 	<ul style="list-style-type: none"> • All samples were logged to a level of detail to support future use in a mineral resource calculation should it be required. • Qualitative: Lithology, alteration, mineralisation. • Quantitative: Vein percentage, sulphide percentage. • All holes are logged for their entire length.
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • RC drill chips were collected as 1 metre samples from the rig cyclone and cone splitter to provide a 1 metre sample. Composite samples were collected using a spear. • Sample condition with respect to moisture content is noted on the geological log.
Quality of assay data and	<ul style="list-style-type: none"> • The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. 	<ul style="list-style-type: none"> • Samples were analysed by a 50g Fire Assay charge with OES finish for Au. • This technique is industry standard for gold and is considered

Criteria	JORC Code explanation	Commentary
laboratory tests	<ul style="list-style-type: none"> 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 (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established. 	<ul style="list-style-type: none"> appropriate. Certified Reference Material (Standards & blanks) were submitted with batches.
Verification of sampling and assaying	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> All data is checked internally for correctness by senior DKM geological and corporate staff. All data is collected via Ocris software and uploaded into the DKM Dashed Database. No twinned holes have been drilled to date.
Location of data points	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> All location points are collected using a handheld GPS in MGA 94 – Zone 50. Downhole surveying (azimuth and dip of the drillhole) of diamond drillholes was measured by the drilling contractors using an Axis Champ Gyro tool.
Data spacing and distribution	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Holes at Killarney Project are drilled at various spacing. Hole spacing is appropriate for drilling at this stage. Drillhole spacing targeting below the Killarney Pit is 20m x 20m. Sample compositing has been applied.
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> The orientation of the structures are approximately 065/245 and 115/295 degrees. Drillhole dip and azimuth provided in collar table.

Criteria	JORC Code explanation	Commentary
Sample security	<ul style="list-style-type: none"> The measures taken to ensure sample security. 	<ul style="list-style-type: none"> Chain of custody is managed by company representatives and is considered appropriate. All samples are bagged in a tied numbered calico bag, grouped into larger polyweave bags and cable tied. Polyweave bags are placed into larger bulky bags with a sample submission sheet and tied shut. Consignment note and delivery address details are written on the side of the bag and delivered to the freight yard in Mount Magnet. The bags are delivered directly to Intertek in Maddington, WA who are NATA accredited for compliance with ISO/IEC17025:2005.
Audits or reviews	<ul style="list-style-type: none"> The results of any audits or reviews of sampling techniques and data. 	<ul style="list-style-type: none"> No external audits or reviews have been conducted apart from internal company review.

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	<ul style="list-style-type: none"> 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 licence to operate in the area. 	<ul style="list-style-type: none"> The tenements (M58/365 & P58/1843) are 100% owned by the Vendor and are in good standing and there are no known impediments to obtaining a licence to operate in the area.
Exploration done by other parties	<ul style="list-style-type: none"> Acknowledgment and appraisal of exploration by other parties. 	<ul style="list-style-type: none"> Previous prospecting on P58/1843 was carried out by prospector Terry Little and the Vendor.

Criteria	JORC Code explanation	Commentary
Geology	<ul style="list-style-type: none"> • <i>Deposit type, geological setting and style of mineralisation.</i> 	<ul style="list-style-type: none"> • Typical Archean gold quartz vein mineralisation within mafic rocks.
Drill hole Information	<ul style="list-style-type: none"> • <i>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:</i> <ul style="list-style-type: none"> ○ <i>easting and northing of the drill hole collar</i> ○ <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> ○ <i>dip and azimuth of the hole</i> ○ <i>down hole length and interception depth</i> ○ <i>hole length.</i> 	<ul style="list-style-type: none"> • A table of drill collar locations is provided in the body of the report.
Data aggregation methods	<ul style="list-style-type: none"> • <i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</i> • <i>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.</i> • <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i> 	<ul style="list-style-type: none"> • No top-cuts have been applied when reporting results. • First assay from the interval in question is reported (i.e. Au1). • Aggregate sample assays calculated using a length weighted average. • Significant grade intervals based on intercepts > 100ppb gold with no greater than 2m of internal dilution. • No metal equivalent values have been used for reporting of results.
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> • <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> • <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg ‘down hole length, true width not known’).</i> 	<ul style="list-style-type: none"> • Downhole length is reported for the drillholes.
Diagrams	<ul style="list-style-type: none"> • <i>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.</i> 	<ul style="list-style-type: none"> • Refer to figures in document.

Criteria	JORC Code explanation	Commentary
Balanced reporting	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> All drillhole locations and a table of significant intercepts are reported in the release text.
Other substantive exploration data	<ul style="list-style-type: none"> 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 style="list-style-type: none"> Refer to document.
Further work	<ul style="list-style-type: none"> The nature and scale of planned further work (eg 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. 	<ul style="list-style-type: none"> A discussion of further work is contained within the body to this ASX release.