An NMDC Company

Announcement 6 September 2023

About Legacy Iron Ore

Legacy Iron Ore Limited ("Legacy Iron" or the "Company") is a Western Australian based Company, focused on iron ore, base metals, tungsten and gold development and mineral discovery.

Legacy Iron's mission is to increase shareholder wealth through capital growth, created via the discovery, development, and operation of profitable mining assets.

The Company was listed on the Australian Securities Exchange on 8 July 2008. Since then, Legacy Iron has had a number of iron ore and gold discoveries which are now undergoing drilling and resource definition.

Board

Mr Amitava Mukherjee, Non-Executive Chairman

Mr Rakesh Gupta, Chief Executive Officer and board member

Mr Vishwanath Suresh, Non-Executive Director

Mr Devanathan Ramachandran, Non-Executive Director

Ben Donovan, Company Secretary

Key Projects

Mt Bevan Iron Ore Project South Laverton Gold Project East Kimberley Gold, Base Metals and REE Project

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ASX Market Announcements ASX Limited Via E Lodgement

ENCOURAGING GOLD MINERALISATION INTERCEPTED AT SUNRISE BORE PROSPECT

Highlights:

- Encouraging results received from samples drilled at the Company's Sunrise Bore prospect.
- Drilling designed to test the strike continuity of previously identified gold mineralisation intersected in the 2021 and 2022 drilling programs.
- The 2023 program totalled 15 holes for 1,710 metres of reverse circulation (RC) drilling.
- Drilling intersected gold mineralisation greater than 0.50 ppm Au in five of the 15 holes drilled
- The most significant mineralised intersections are:
 - o 2 m @ 3.36 ppm Au from 45 m in SBRC037
 - o 5 m @ 1.35 ppm Au from 9 m in SBRC039
- Further RC drilling is planned to define the continuity and extension of the mineralised zone.

Legacy Iron Ore Limited (**Legacy Iron** or the **Company**) is pleased to announce encouraging gold intersections reported from the Company's recent RC drilling program at the Sunrise Bore Project, Figure 1.

Drilling was designed to further test the Kingsley-2 and RAB-4 areas. The RC drilling program was conducted in June 2023 and consisted of 15 inclined drill holes totalling 1,710 metres.

Three holes out of 15 intersected mineralisation (Figure 1) with a maximum value of 6.61 ppm Au reported in drill hole SBRC037 at 46 metres drill depth. The results improve confidence in the project and provide additional targets for follow-up drilling.

The encouraging results from the 2023 drilling program have identified southern and northern areas that contain gold mineralisation that justify further drill testing, Figure 1. A list of all analytical results from the June 2023 drill program (≥0.5 ppm Au) and aggregated intercepts are shown in Table 1.

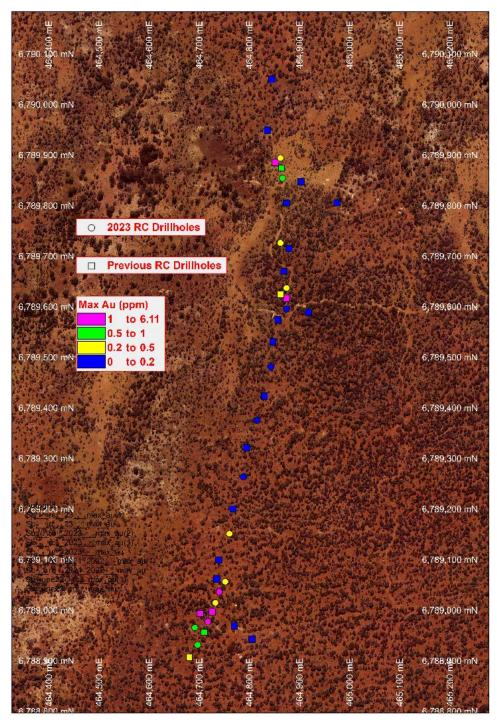


Figure 1. Thematic map showing completed drill hole locations at Sunrise Bore prospect with maximum intersections (ppm Au).

Borehole	Drill Hole	Collar Coordin	nates	Down	hole Surv	ey & Depth	Drill Hole	Interval	Mine	eralised Intersection
Indentifier	Easting (mE)	Northing (mN)	RL (m)	Azimuth	Dip	Total Depth (m)	From (m)	To (m)	Au (ppm)	Intersect
SBRC035	464700.0	6788930.0	497.0	125.0	-60.0	140	68	69	0.53	1 m @ 0.53 g/t Au
SBRC036	464694.0	6788964.0	497.0	125.0	-60.0	160	83	84	0.53	1 m @ 0.53 g/t Au
SBRC037	464720.0	6788976.0	498.0	125.0 -60.0	00.0	400	45	46	0.61	2 @ 2 20 # A
			496.0		30.0 120	46	47	6.11	2 m @ 3.36 g/t Au	
	464743.0	6789035.0 500.0	500.0	125.0	-60.0	9 10 1 10 11 1 11 12 0 -60.0 120 12 13 1	4	5	1.10	1 m @ 1.10 g/t Au
							9	10	1.42	
							10	11	1.92	
							11	12	0.72	5 m @ 1.35 g/t Au
SBRC039							12	13	1.37	
							1.33			
						0.80	0 0 0 74 -# 4			
						47	0.62	2 m @ 0.71 g/t Au		
							50	51	0.55	1 m @ 0.55 g/t Au
SBRC048	464869.0	6789853.0	516.0	122.0	-60.0	90	31	32	0.58	1 m @ 0.58 g/t Au

Table 1. Intersected mineralisation ≥0.5 ppm Au per drill metre.

Next Step

The Company will consider further drill testing to establish the strike and dip continuity of gold mineralisation.

Background Sunrise Bore Project (E39/1748)

The Sunrise Bore project is situated within the Mt Weld pastoral lease, approximately 220 km Northeast of Kalgoorlie. The project is located within the Menzies and Laverton Shires, about 15 km east of the Sunrise Dam gold mine, as shown in Figure 2.

Geologically, the Sunrise Bore project is in the Laverton Basin in the Eastern Goldfields region, and it is predominantly underlain by lateritic duricrust and transported alluvial silts. Prospective sequences within the tenement consist of layered ultramafics interleaved with granitic intrusions as part of what appears to be a layered complex. The tenement geology comprises mafic and ultramafic flows with minor interflow sediments (mostly cherts) in the western parts of the area and a granite batholith to the east.

The eastern domain comprises mainly granite with rafts of amphibolitic greenstone. The terrain in the east of the project area is variable, with good outcrop associated with breakaways and erosion and colluvial sheet wash related to broad areas of minor to no relief. To the west, mafic and ultramafic volcanic rocks are abundant and represent the easternmost part of the Merolia Greenstone Belt. A transported cover largely obscures the bedrock geology of this area.

Visits to the tenement found significant residual terrain, mostly of lateritic residuum or lag-derived lateritic residuum. In other parts of the project area, sheet wash and colluvium were found on either the residual profile or a previously truncated surface.

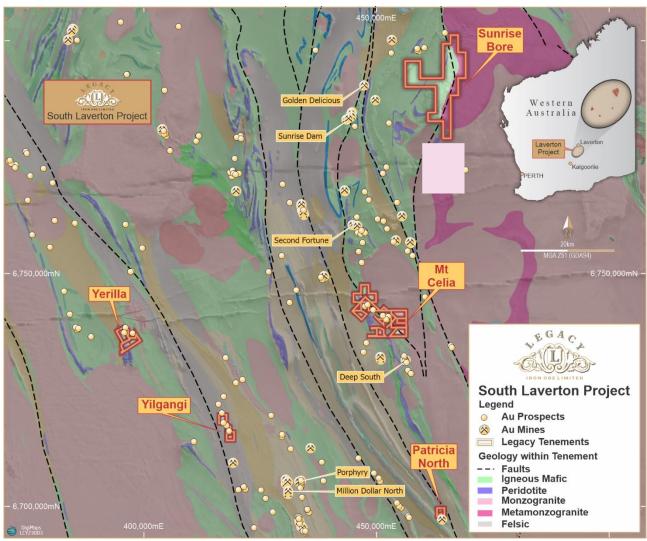


Figure 2. Location of Sunrise Bore prospect within the South Laverton project region.

Legacy Iron conducted multiple rounds of geological traversing, auger soil sampling and rock chip sampling in the area from 2016 to 2020. Notably, in this period, the Company completed three phases of auger soil sampling across multiple geological targets, giving the project significant geochemical coverage. A total of 2,704 samples were collected in these campaigns. The area covered by auger geochemistry sampling is shown in Figure 3.

Multiple target areas were delineated for follow-up in the tenement based on the Company's auger soil and historical RAB assays. The identified targets were Kingsley 1 and 2, Bird 1 and 2, Bell 1 and 2, RAB 4, and Durham. The map showing the target areas (Au anomalies) in the Sunrise Bore Project is attached as Figure 3.

The most promising targets, Kingsley 1, Kingsley 2, and RAB 4 (historic RAB 0.5 ppm Au) was drill tested in the maiden RC program (ASX announcement: Maiden RC drilling intercepts gold

mineralisation at Sunrise Bore – Oct 2021). Kingsleys 1 and 2 are the most significant auger soil anomaly highlighting the NE-trending zone in the centre of the tenement of >13 ppb Au. RAB 4 anomaly is based on RAB drilling identified anomalous Au values, including 4 metres at ~0.5 ppm Au from ~20 metres within quartz veins in sheared basalts. Previous explorers have interpreted this target to consist of greenstone mafics and ultramafics between shear zones and bounded by granite to both the east and west sides.

The Company is encouraged to discover additional gold mineralisation in the prospective geological terrain and looking forward to running follow-up drilling programs. The Company also aims to undertake exploration activities over other targets within the project while following up on the recent results at Kingsley-2 and RAB-4.

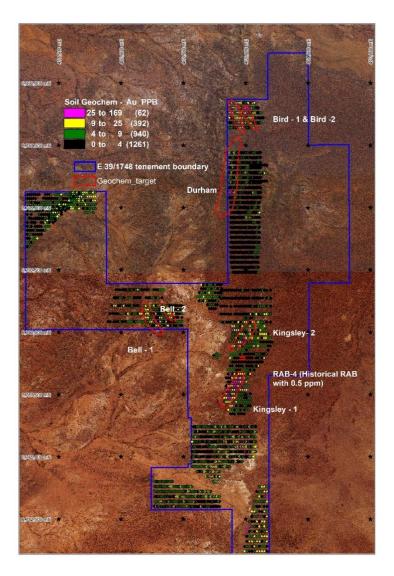


Fig 3. Sunrise Bore prospect geochemical targets based on Au ppb anomalism.

Competent Person's Statement:

Information in this report that relates to Exploration is based on information reviewed or compiled by Peter Preston, BSc (Hons), who is a member of the Australasian Institute of Mining and Metallurgy. Peter Preston is the Geology Manager of Legacy Iron Ore Ltd. He has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results and Mineral Resources'. Peter Preston consents to the inclusion of this information in the form and context in which it appears in this report.

The information in this report references ASX announcements previously released by the Company which contain all geological data and the required competent person sign-off. These announcements are:

- Maiden RC drilling intercepts gold mineralisation at Sunrise Bore Oct 2021
- Encouraging gold mineralisation continues at Sunrise Bore Project, July 2022

Yours faithfully,

Rakesh Gupta

Chief Executive Officer

This announcement has been authorised for release by the Board of Legacy Iron Ore Ltd.

JORC CODE 2012 TABLE 1

SECTION 1 SAMPLING TECHNIQUES AND DATA

Criteria	JORC Code explanation	Commentary
Sampling techniques	 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. 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 (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. 	collected as 1 m samples at the rig using a rig-mounted cone splitter and an approximate 1kg - 5kg sample was submitted SGS laboratory, Perth/Kalgoorlie, which were dried, crushed and pulverised to produce 40 g charge fire assay and ICPMS/AES analysis for Au. Quality control procedures include submission of Certified Reference Materials (standards), duplicates and blanks with each sample batch. QAQC results are reviewed to identify and resolve any issues. Field duplicates were taken at a minimum rate of 1 every 100 m (every 100 samples). Standards were inserted at a minimum rate of 1 for every 25 samples.
Drilling techniques	 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). 	RC drilling was conducted using a face sampling hammer with a 140mm bit.
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. 	 estimates and recorded in the drilling database. Recovery was generally good. No quantitative measures were taken for sample recovery for this RC drill program.
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. 	 Geological logging was completed using field log sheets and a company geological coding system based on industry standards. Data on lithology, colour, deformation, structure, weathering, alteration, veining, and mineralisation were recorded. Field data is

Criteria	JORC Code explanation	Commentary
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 representativity 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. 	 RC samples were split at the rig using a rigmounted cone splitter to obtain one-metre samples for laboratory analysis. Nearly all samples were sampled dry. An approximate 1kg – 5kg sample was submitted to SGS, Kalgoorlie or Perth, for analysis. All samples were dried, crushed, and pulverised. This sample preparation is appropriate for the sample type. Quality control procedures include submission of Certified Reference Materials (standards), duplicates and blanks with each sample batch. QAQC results are reviewed to identify and resolve any issues. The sample size is appropriate for the targeted mineralisation style and grain size.
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 (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established. 	 The assaying was completed by SGS, for gold using the fire assay method which has a 0.01 ppm lower detection limit. Selected samples were also analysed for 49 elements by ICPMS/AES. The technique is considered as total. Laboratory QAQC involves the use of internal laboratory standards using certified reference material (CRMs), blanks and pulp duplicates as part of in-house procedures. The Company also submitted a suite of CRMs, and blanks and selects appropriate samples for field duplicates.
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. 	 Significant intersections are verified by the Senior Geologist. No twin holes have been drilled to date at Sunrise Bore prospect. Primary data collected on paper logs in the field with transfer to digital format in the office. Manually validated. Assay data are imported directly from digital assay files supplied direct from the laboratory and merged in the database with sample data. Normal in-house data storage and daily backup of all data. No adjustments to assay data made.
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. 	 Drill holes have been located and pegged using handheld GPS – accuracy to nominal +/- 1m for easting, northing and elevation. Grid system – GDA1994, MGA Zone 51 Downhole in-rod surveys were conducted using an industry-standard probe with readings taken approximately every rod length to record any deviations from the planned dip and azimuth.
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 	The drill testing RC drilling is in the early stages, and as such, data spacing is still high. Follow-up programs will attempt to reduce the data spacing to the required limit before

Criteria	JORC Code explanation	Commentary
	 estimation procedure(s) and classifications applied. Whether sample compositing has been applied. 	 taking up resource estimation work. The 15 drill holes, drilled in June 2023 and discussed in this announcement, have not been used for any resource estimate at this stage. No sample compositing has been applied to the data
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. 	 Drill holes were planned perpendicular to the conceptualised mineralised structures. However, the orientations of it may vary at a local scale. No orientation-based sampling bias in sampling.
Sample security	The measures taken to ensure sample security.	 Samples are sealed in calico bags and placed in large, durable plastic bags for transport. The bags are directly taken to the dispatch depot and plastic wrapped on pallets for direct transport to the laboratory. Documentation is via a sample submission form and consignment note. The laboratory checks the samples received against the consignment and submission documentation and notifies Legacy Iron of any missing or additional samples. Upon completion of analysis, the pulp packets, residues and coarse rejects are held in their secure warehouse. On request, the pulp packets (and other materials if desired) are returned to Legacy for secure storage. Chip trays of RC cuttings are taken on a 1m sample basis and independently securely stored by Legacy Iron.
Audits or reviews	 The results of any audits or reviews of sampling techniques and data. 	 There has been no review of sampling techniques or data at this stage.

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 licence to operate in the area. 	 Sampling was conducted within Exploration Licence E39/1748. The tenement is currently owned 100% by Legacy Iron. At the time of reporting, there are no known impediments to the tenement, and it is in good standing.
Exploration done by other parties	 Acknowledgment and appraisal of exploration by other parties. 	 The area was previously explored by different companies by soil sampling, RAB and Aircore drilling. This historical work did not return any significant results and justify further exploration. The important activities over and around the area is described as below:

Criteria	JORC Code explanation	Commentary
		 Cullen Exploration PTY LTD (2008 – 2010) Approximately 90 samples of ferruginous gravel including surface lag of lateritic residuum, lateritic residuum and ferruginous gravel from lag on sheetwash and colluvium, were collected at approximately 1km spacing and analysed for a multielement suite at Ultra Trace Laboratories, Perth. Results of the geochemical survey showed a gold anomaly east of Williams Bore with a maximum Au concentration of 450 ppb Au that had not been tested by previous drilling. A follow-up sampling program, totalling approximately 60 samples of ferruginous gravel, mainly lateritic residuum and lag derived from it, tested an area of approximately 1.0 km x 1.2 km and generated an 800 m x 300 m, WNW-trending anomaly with Au concentrations of 10-50 ppb Au; Aircore drilling tested the gold-in-laterite anomaly along two traverses for a total of 27 holes for 1401m. Drilling was to blade refusal; all holes were drilled at 600 angle to the east. Aircore drilling tested the Au anomaly and intersected dominantly mafic-ultramafic lithologies with some intercalated felsic units, and minor quartz veining. No economic gold mineralisation was encountered; the best intercept is 4 m @ 160 ppb Au from 12m depth in aircore hole LAC27. There are several 4m intervals with concentrations of 10-100 ppb Au.
Geology	Deposit type, geological setting and style of mineralisation.	 Outcrop is poorly developed over the Merolia greenstones. Sunrise Bore is predominantly underlain by lateritic duricrust and transported alluvial silts. Prospective sequences within the tenement consist of layered ultramafics interleaved with granitic intrusions as part of what appears to be a layered complex. The tenement geology comprises mafic and ultramafic flows with minor interflow sediments (mostly cherts) in the western parts of the area and a granite batholith to the east. The eastern domain comprises mostly granite with rafts of amphibolitic greenstone. The terrain in the eastern part of the project area is variable with good outcrop associated with breakaways and areas of erosion and colluvial sheetwash associated with broad areas of little to no relief. To the west mafic and ultramafic volcanic rocks which are abundant and represent the eastern most part of the

Criteria	JORC Code explanation Commentary			
		 Merolia Greenstone Belt. The bedrock geology of this area is largely obscured by a transported cover. Visits to the tenement found a significant amount of residual terrain, mostly made up of lateritic residuum or lag derive lateritic residuum. In other parts of the project area, sheetwash and/or colluvium were found on either the residual profile or on a previously truncated surface. 		
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. 	Details of the drill holes from this recent program are shown in the included Figure 1, within the main body.		
Data aggregation methods	 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. 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. 	 This is a preliminary interpretation. All the analytical results greater than 0.5 ppm Au from the recent program have been reported in this announcement. Any high-grade gold assay intervals internal to broader zones of gold mineralisation are reported as included intervals. Low-grade results (<0.5 ppm Au) have not been included. No metal equivalent reported. 		
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'). 	 Assay intersections are reported as downhole lengths. Drill holes were planned as perpendicularly as possible to interpret projections (geometry) of mineralisation, so the downhole lengths are an indication only of near true width (true width is not known at this stage). Results from recent drill programs will be reviewed further to confirm the relationship between downhole lengths and true widths. Not applicable to the sampling method used. 		
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. 	 Refer to Figure 1 and Table 1 included in the text for the location and lengths of intercepts in each of the holes. The detailed cross-sections and interpretation will be reported once this data is interpreted along with historical data sets. 		
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 	All results greater than 0.5 ppm Au are reported in this announcement.		

Criteria	JORC Code explanation	Commentary
	Results.	
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. 	 No other exploration data collected to date is considered material or meaningful at this stage.
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. 	