

Drilling commences for high-grade gold at Tennant Creek - Amended

A 1700m diamond and reverse circulation drilling program, fully funded by Tennant Consolidated Mining Group (TCMG), Emmerson's Joint Venture partner, has commenced at Emmerson's Tennant Creek project.

Key highlights include:

- A drill program focussed on the high-grade Mauretania and West Gibbet projects
- Drilling at Mauretania to test for extensions of the deeper primary gold mineralisation, to assist geotechnical studies and advance the final open pit design
- West Gibbet drilling to test for shallow high-grade gold amenable to open pit mining
- Assay results expected in July
- Ultra-High-Resolution drone magnetic survey underway to pinpoint new ironstones, the host to mineralisation in the Tennant Creek Mineral Field

Emmerson's Managing Director, Rob Bills commented:

"Emmerson has a strong pipeline of high-grade gold, copper and cobalt projects at various stages of exploration. The green-fields Mauretania discovery is one of our most advanced projects with pit optimisation studies to benefit from further drilling. While the drilling at West Gibbet, which has seen some previous exploration activity by Emmerson, will be used to test and extend shallow high grade gold mineralisation.

"Our Joint Venture partner, TCMG, is fully funding the drill program at Mauretania as part of the \$5.5m earn-in over the Northern Project Area. Preliminary favourable economics suggest Mauretania will be prioritised in the TCMG mining schedule. TCMG are in the advanced stages of a feasibility study to build a central processing hub at Tennant Creek. This hub will process ore from multiple sources in the Tennant Creek district and is anticipated to be operating in 2022."



Drill rig commencing the first drill hole, above the bonanza gold zone at Emmerson's Mauretania project. Noting the sand cover and lack of outcrop above this new generation of hematite hosted, gold discoveries.



<u>Mauretania Drilling – testing for extensions of the shallow oxide plus</u> <u>deeper primary gold zones</u>

Mauretania is located within the Northern Project Area (NPA) of Emmerson's Tennant Creek project (Figure 1). The results of the first diamond drill hole MTDD009 (ASX: 17 February 2021) consisted of a primary gold intersection of:

- 8.8m at 3.44g/t gold from 181m including:
 - o **2m at 9.0g/t gold** from 186m
- plus a shallow oxide zone of high-grade copper of:
 - o 12m at 2.5% copper, 0.26g/t gold and 0.14% cobalt from 85m including:
 - **2m at 4.1% copper** from 90m
 - and 9.5m at 0.17g/t gold from 60m

Completion of diamond drill hole MTDD010 is now underway after being prematurely terminated at 106m due to the wet season.

Before termination it did intersect and extend the known oxide zone to the southwest, with assays results of 7m at 0.81% copper from 88m, including 1m at 1.66% copper. Like MTDD009, MTDD010 suggests significant potential for primary gold beneath copper mineralisation.

The remainder of the drilling will be RC (Reverse Circulation), consisting of step out holes to establish the lateral extent of the mineralisation prior to finalising the design of the open pit (Figure 2). This program will also consist of geotechnical drilling that will feed into the final pit design.

Mauretania is a green-fields discovery that recognised the association between high-grade gold, copper and hematite ironstones that had largely gone undetected prior to Emmerson's entry to the Tennant Creek Mineral Field in 2008. The hallmarks of the Company's discoveries at Edna Beryl, Goanna, Monitor and now Mauretania include the exceptional grade of both copper and gold and their association with hematite dominant ironstones.

West Gibbet Drilling - testing for shallow high-grade gold in the oxide zone

West Gibbet is one of many gold targets located in the Southern Project area that is undergoing a re-evaluation (Figure 3). These targets along the so called "Wine Line" are close to existing infrastructure and part of a strategy to re-establish a mining hub in proximity to the historic Chariot and Malbec West mines.

The West Gibbet target was the subject of drilling by Emmerson in 2008 and 2010, with the best intercept being **13m at 66.9g/t gold from 74m** (drill hole WGBRC024) (ASX: 26 May 2008). Historic drilling by Geopeko in the 1970's also intersected high grade gold at depth.

This initial program will focus only on the potential for shallow gold in the oxide zone and consist of five RC holes for a total of 700m of drilling.

Emmerson and TCMG to drive aggressive gold exploration in 2021

As previously announced, Emmerson has entered into a Strategic Alliance at Tennant Creek with Tennant Consolidated Mining Group (TCMG), which includes the following:

- \$5.5m Exploration Earn-in and JV (EEJV) in the Northern Project Area (NPA)
- A Small Mines JV (SMJV) with a free carried 6% gold gross revenue royalty for production from Small Mines (<250,000oz)
- A Major Mines (MMJV) interest whereby Emmerson retains up to a 40% interest in any Major Discovery (>250,000oz gold equivalent)

This Strategic Alliance establishes a funded pathway for the development of Emmerson's high-grade gold projects and provides substantial new funding for exploration to continue to build and advance the resource pipeline.

As part of this funding, and consistent with Emmerson applying new technology to make new discoveries, a large drone magnetic survey is currently underway. The resolution of this survey is far superior to historic, fixed wing surveys due to the drone being able to fly 15m above the ground and on 10m spaced lines.



Emmerson retains 100% ownership of the Jasper Hills and Edna Beryl projects and is advancing these through to planned drilling activities in 2021.

Next Steps – TCMG Joint Venture

Emmerson and Joint Venture partner, TCMG are advancing on two major fronts:

- Undertaking advanced studies on existing projects such as Mauretania and Chariot it is anticipated these will
 advance to JORC compliant resources in late 2021 and will not only provide feed for the central mill but also for
 the first time, enable a "see through valuation" of the emerging Emmerson royalty business. Noting that under the
 SMJV, the costs associated with this phase of work is covered 100% by TCMG.
- Exploration and discovery of new gold projects and/or extensions to existing projects. This will entail applying new
 technological and geological concepts to build the early stages of the resource pipeline and to sustain the
 operations of the TCMG mill into the future. Noting that exploration in the Northern Project Area is covered by the
 \$5.5m Earn-in and Joint Venture with TCMG, whereby Emmerson are the managers and operators until TCMG
 have met their earn-in commitments.

Next Steps - Jasper Hills

Emmerson has entered a landmark Joint Venture with the Traditional Owners over the highly prospective Jasper Hills project. This project lies within a Restrictive Work Area and has been off limits to exploration since the 1980's. Both parties are working together to unlock this project and apply modern exploration techniques to previously drilled, high-grade gold, copper, and cobalt targets.

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This release has been authorised by the Board of Emmerson Resources Limited.

About Emmerson Resources, Tennant Creek and New South Wales

Emmerson is fast tracking exploration across five exciting early-stage gold-copper projects in NSW, identified (with our strategic alliance partner Kenex/Duke Exploration) from the application of 2D and 3D predictive targeting models – aimed at increasing the probability of discovery. Duke can earn up to 10% (to pre BFS) of any project generated providing certain success milestones are met.

The highly prospective Macquarie Arc in NSW hosts >80Moz gold and >13Mt copper with these resources heavily weighted to areas of outcrop or limited cover. Emmerson's five exploration projects contain many attributes of the known deposits within the Macquarie Arc but remain underexplored due to historical impediments, including overlying cover (farmlands and younger rocks) and a lack of effective exploration. Kadungle is a JV with Aurelia Metals covering 43km² adjacent to Emmerson's Fifield project.

In addition, Emmerson has a commanding land holding position and is exploring the Tennant Creek Mineral Field (TCMF), one of Australia's highest-grade gold and copper fields producing over 5.5Moz of gold and 470,000t of copper from deposits including Warrego, White Devil, Orlando, Gecko, Chariot, and Golden Forty. These high-grade deposits are highly valuable exploration targets, and to date, discoveries include high-grade gold at Edna Beryl and Mauretania, plus copper-gold at Goanna and Monitor. These Emmerson discoveries are the first in the TCMF for over two decades.

About Tennant Consolidated Mining Group (TCMG)

TCMG is a subsidiary of TA Private Capital Security Agent Ltd, a Hong Kong headquartered assets management firm, best known for its private debt solutions spanning trade finance through mid tenor supply chain financing to mid to longer tenor term and project loans. TA has a diverse portfolio of capital deployed globally including within the Australian mining sector.

TCMG's focus is to rationalise assets in the Tennant Creek area, with the objective of undertaking detailed studies with the ultimate goal of developing a centralised processing facility commercialising known mill feed sources in and around Tennant Creek.



Regulatory Information

The Company does not suggest that economic mineralisation is contained in the untested areas, the information contained relating to historical drilling records have been compiled, reviewed and verified as best as the Company was able. As outlined in this announcement the Company is planning further drilling programs to understand the geology, structure and potential of the untested areas. The Company cautions investors against using this announcement solely as a basis for investment decisions without regard for this disclaimer.

Competency Statement

The information in this report is based on information compiled by Dr Ana Liza Cuison, MAIG, MSEG. Dr Cuison is a Member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which she is undertaking to qualify as a Competent Person as defined in the 2004 edition and the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Cuison is a full-time employee of the Company and consents to the inclusion in this report of the matters based on her information in the form and context in which it appears.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Emmerson Resources Limited's planned exploration program and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "expect," "intend," "may", "potential," "should," and similar expressions are forward-looking statements. Although Emmerson believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that further exploration will result in the estimation of a Mineral Resource.

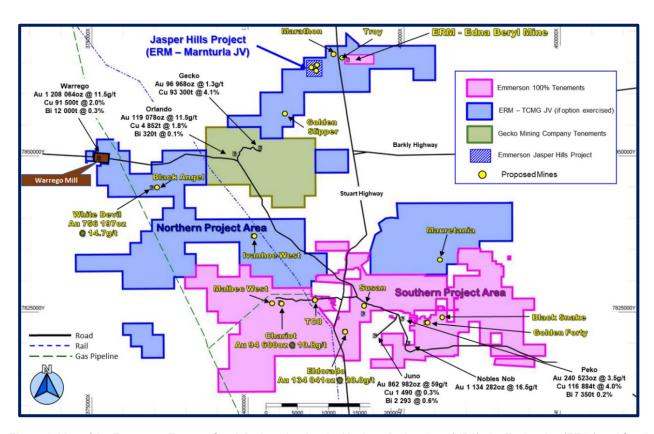


Figure 1. Map of the Emmerson Tennant Creek Project showing the Northern Project Area (NPA), the Exploration (EEJV) and Small Mines (SMJV) areas (blue). Also, Emmerson's portfolio of potential small mines and/or remnant resources (yellow dots).

Note: quoted resources from historical deposits from Ahmad, M., Wygralak, A.S. and Ferenczi, P.A. (1999). Gold deposits of the Northern Territory 2nd ed. Darwin: Northern Territory Geological Survey, p.60



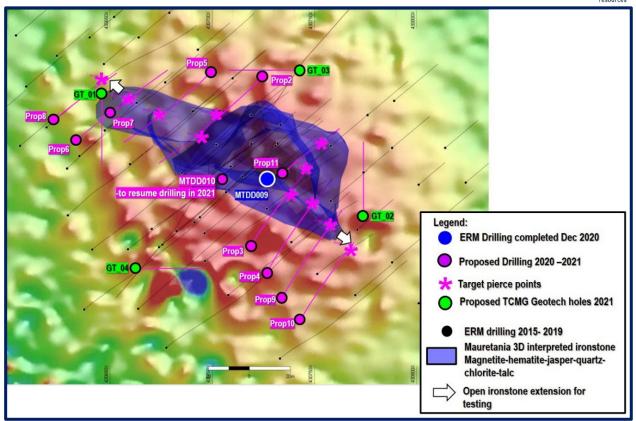


Figure 2. Mauretania plan view showing location of all drilling. Background is the enhanced magnetic RTP also showing location of proposed Mauretania holes.

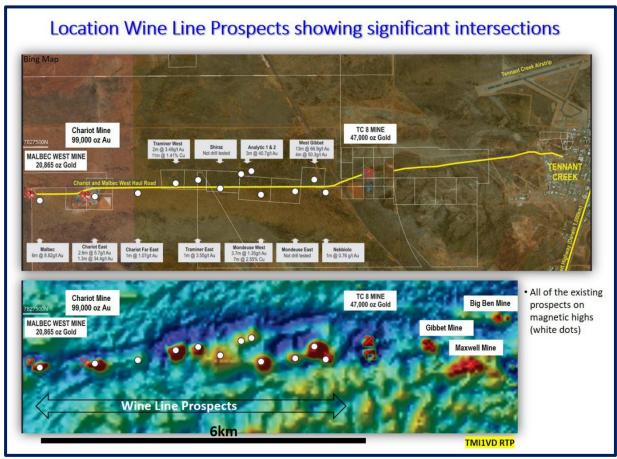


Figure 3. Various projects along the so called "Wine Line" that will systematically undergo evaluation and exploration during 2021. Note the excellent infrastructure (haul road to Chariot and Malbec), proximity to Tennant Creek plus various historic gold and copper intersections (compiled from various ASX and Information Memorandum). First project to undergo further drill testing is the West Gibbet prospect.



Table 1: MTDD009 & MTDD010 significant drill hole intersections

Hole ID	East (MGA94_53)	North (MGA94_53)	RL AHD	Dip (deg)	AZI mag (deg)	From (m)	To (m)	Width (m)	Au (g/t)	Ag (g/t)	Bi (ppm)	Cu (%)	Fe (%)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Sb (ppm)	Co (ppm)	Sample Type	Geology	Tenement
MTDD009	430728.01	7833035.01	329.0	-90	4.5	85	97	12	0.26	4.97	21.0	2.49	16.0	143	2098	10.0	6.73	1447	0.5HQ3	Hematite ironstone, sooty	
					incl.	87.9	90	2.1	1.29	0.85	30.3	2.72	24.8	159	1486	6.8	8.71	679		from 85m, then to clayey reddish, oxidized + limonite; transition zone	
					incl.	90	92	2	0.01	1.63	46.1	4.10	17.8	187	1512	8.2	6.49	1279			
						129.2	131.5	2.3	0.04	3.1	53.6	2.11	6.9	33	256	26.1	2.10	84	0.5HQ3	Talc-hematite- magnetite rock	
						149	150	1	1.17	0.34	3.2	0.004	18.2	3	14	19.3	3.58	12	0.5HQ3	Magnetite - hematite - quartz ironstone	EL28761
						181	189.8	8.8	3.44	5.30	593.1	0.08	15.8	17	125	51.2	2.65	67	0.5HQ3	Magnetite - hematite -	
					incl.	186	188	2	9.09	2.31	874.5	0.10	16.8	8	188	41.0	1.98	100		quartz ironstone	
MTDD010	430706.01	7833035.01	329.0	-90	4.5	88	95	7	0.01	0.92	24.0	0.81	11.7	107	1561	3.5	6.69	842	0.5PQ3	jasper-hematite- magnetite ironstone, vuggy, limonitic	

Note: (1) All samples are half core samples

- (2) Gold analysis method by 50g fire assay/OE04
- (3) Multi element analysis method by 4 acid digest and ICP-OES, ICP-MS finish.
- (4) Intersections are reported as downhole lengths and not true width.
- (5) Minimum cut-off of 0.3 g/t Au. No maximum cut-off.
- (6) Minimum cut-off of 0.5% Cu. No maximum cut-off.
- (8) Maximum internal dilution of 3 metres.



Table 2. Mauretania drilling collar location data

Hole ID	East (MGA94_53)	North (MGA94_53)	RL AHD	Dip (deg)	AZI mag (deg)	Depth (m)	Drill Date	Drill Type	Tenement
MTDD009	430728	7833035	329	-90	4.5	214.0	30/11/2020	DDH	EL28761
MTDD010	430706	7833035	329	-90	4.5	106.5 (drilling to resume – weather dependent	10/12/2020	DDH	EL28761

The exploration results contained within the above company release are in accordance with the guidelines of *The Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves* (the JORC Code, 2012)

Section 1: Sampling Techniques and Data – MAURETANIA EXPLORATION TARGET – MTDD009 and MTDD010 DIAMOND DRILLING

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 downhole 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 30g 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. 	 The Mauretania Project holes have been sampled using Diamond (DDH) drilling techniques. MTDD009 with a total depth of 214m. MTDD010 have been partially drilled down to 106.5m, drilling to resume in 2021. MTDD009 and MTDD010 are vertical holes to confirm shallow oxide gold mineralisation and extended to test for deeper, primary gold mineralisation confirmed by previous drilling. Diamond core has been logged for lithological, density, magnetic susceptibility and geotechnical characteristics. The core interval for sampling was marked by Emmerson geologist during logging, taking into account the contact of mineralization and alteration. Core was cut along a longitudinal line (core axis) and sampled on geological intervals (0.5 m to 1.5 m) as marked and using the predesigned sample number/cut sheet MTDD009 & MTDD010 were drilled with PQ3, HQ3 and NQ3 size, sampled on geological intervals (typically 1m), cut into half core to provide sample weights of approximately 4.0kg. Individual 1m DDH core samples are pulverised to produce a 50g charge for analysis by four acid digest with an ICP/OES (Cu, Fe, Pb, Zn) ICP/MS (Ag, Bi, Mo, Se, Sb, U, Co) & Fire Assay/AAS (Au) finish.
Drilling techniques	Drill type (e.g., 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).	 MTDD009 - PQ3 = 72.8m, HQ3 = 78.1m, NQ3 = 63.1m, final depth = 214m. MTDD010 - PQ3 = 106.5m (drilling to resume in 2021) PQ3 core diameter is 83.0mm HQ3 core diameter is 61.1mm. NQ3 core diameter is 45.0mm MTDD009 & MTDD010 core was not oriented due to the vertical nature of the drill hole. Standard inner tube has been used for the diamond core drilling. PQ3 triple tube was used for drillholes MTDD009 and MTD010
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. 	 Recoveries are considered satisfactory. Diamond drill core recoveries were recorded during drilling and reconciled during the core processing and geological logging. The recovery for MTDD009 is 91%. Diamond drill core recovery was marked after each drill run using plastic blocks calibrating depth by the drilling contractor. The driller adjusting rig procedures as necessary including rotation, fluid, pressure to maintain sample integrity. Emmerson field technician contractor then measure/check the recovery after each run, RQD

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Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support	 and fracture count, and core loss has been recorded on the original diamond logging sheets Geotech sheet) and retained for reference. No detailed analysis was conducted to determine relationships between sample recovery of metal grades. Emmerson do not consider that there is evidence for sample bias that may have occurred due to preferential loss/gain of fine/coarse material. Standard operating procedures were employed for MTDD09 and MTDD010
	 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. 	 Drill hole logging data is directly entered into field laptop computer. Standardised code were used for lithology, oxidation, alteration, presence of sulphide information are recorded. Structural logging records orientation of veins, fractures and lithological contacts. Information on structure type, dip, dip direction, alpha angle, beta angle, texture, shape, roughness and fill material is stored in the structure table of the database. Geotechnical logging records the RQD, core lengths, recovery, and fracture count and hardness. Magnetic susceptibility data were collected for diamond core every 1m meter as per standard procedure using a Terraplus KT-10 magnetic
Sub campling	If one whether out or cours and whether questor half or	 susceptibility meter Specific density is recorded for all lithological types and entered in the database. Drill core was logged both qualitative (discretional) and qualitative (% volume). All drill core is photographed (wet and dry). All the diamond holes (total length = 320.5m) were geologically and geotechnically logged 100%
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 insitu 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. 	 Diamond core was halved using an automatic core saw. Samples were collected from the same side of drill core. Standard operating procedures were used for sampling diamond core. Areas of geological interest were identified by the Emmerson geologists and the halved core samples dispatched for assay. This procedure meets industry standard where 50% of the total sample interval from the core is submitted for analysis. Sample weights are recoded by the laboratory. No sub-sampling is completed by Emmerson. All sub-sampling is completed by the laboratory. The core interval for sampling was marked by Emmerson geologist during logging, taking into account the contact of mineralization and alteration. The remaining half core is retained and stored at Emmerson's core yard located at Tennant Creek for future viewing and cross-checking of assay values against the actual geology. Where require, further samples may be submitted for quality assurance. The sample sizes are considered to be appropriate to correctly represent the mineralization on the style of mineralisation.
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 	The samples are submitted to Interk Laboratory in Alice Springfor preparation. The sample preparation of diamond core follows industry best practice involving coarse crushing of the half core

	instruments, etc, the parameters used in determining the	sample down to ~10mm followed by pulverisation
	 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. 	 of the entire sample to a grind size of 85% passing 75 micron. The following techniques were used for analysis: AR25/OM and and Au-AA24. No downhole geophysical tools or handheld XRF instruments were used to determine grade. Magnetic susceptibility data were collected for diamond core every 1m meter as per standard procedure using a Terraplus KT-10 magnetic
		 susceptibility meter. Laboratory checks include CRM's and/or in-house controls, blanks, splits, and replicates that are analysed with each batch of samples submitted. These QC results are reported along with sample values in the final analytical report. Emmerson field QC procedures involve the use of certified reference material (CRM's) as assay standards and include blanks. Certified reference material or blanks are inserted at least every 20 samples.
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, 	Original sample data sheets and files have been retained and were used to merge the assay results with the sample intervals for each hole. Assay data is loaded to an industry-standard database and
	data verification, data storage (physical and electronic) protocols.	intercepts calculated. Assay data and intercepts are cross-check internally by Emmerson geologist.
	Discuss any adjustment to assay data.	No twin drillholes have been completed. Drill Hole Data including: meta data, orientation methods, any gear left in the drill hole, lithological, mineral, structural, geotechnical, downhole survey, sampling, magnetic susceptibility are collected and entered directly into an excel spread
		 sheet using drop down codes. All digital logs, sample ledgers, assay results were uploaded to a secure server. The merged and complete database is then plotted imported to Micromine software for assessment.
		 Data back-ups (onsite) are employed to external drive. No adjustment were made on original assay data for the purpose of reporting grade and mineralized.
Landing of data	A 1 19 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	for the purpose of reporting grade and mineralized intervals.
Location of data points	 Accuracy and quality of surveys used to locate drillholes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. 	 Drill hole collars were surveyed (set out and pick up) using a differential GPS and by a suitably qualified company employee. Collar survey accuracy is +/- 30 mm for easting, pathing and elevation postdinates.
	Quality and adequacy of topographic control.	 northing and elevation coordinates. Downhole survey measurements for diamond drilling were collected at a minimum of every 30m using a True North Seeking Gyro (Axis Mining Technology) Co-ordinate system GDA_94, Zone 53. Topographic measurements are collected from the
Data spacing and	Data spacing for reporting of Exploration Results.	final survey drill hole pick up. • Drill density within the Mauretania Exploration
distribution	 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. 	 Target area is 10m x 10m. The mineralised areas are yet to demonstrate sufficient grade or continuity to support the definition of a Mineral Resource and the classifications applied under the 2012 JORC code. No sample composting was applied.
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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. 	 identified in the data at this point. Results at this stage suggest that the geological and geophysical targets being tested have been
Sample security	The measures taken to ensure sample security.	 Cut samples were placed in sealed calico bags with predetermined sample number, placed in polyweave bags for transport to the assay laboratory. Digital data is emailed to the Exploration They are placed in sealed polyweave bags and then larger bulka bags for transport to the sample preparation facility in Alice Springs (laboratory). The laboratory confirms that all samples have been received and that no damage has occurred during transport. Tracking is available through the internet and designed by the Laboratory for ERM to track the progress of batches of samples. Sample receipt is logged into ERM's sample ledger. While samples are being processed in the Lab they are considered to be secure. All diamond core is stored in Emmerson yard in Tennant Creek
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No formal audits ore reviews have been completed of the samples being reported.

Section 2: Sampling Techniques and Data – MAURETANIA EXPLORATION TARGET – MTDD009 and MTDD010 DIAMOND DRILLING

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. 	 The Mauretania Exploration Target is located within Exploration Licence 28761. Application for a Mineral Lease has been made to the Northern Territory Government. The Mauretania exploration target is located on Tennant Station Perpetual Pastoral Lease. Exploration Licence 28761 is 100% held by Emmerson Resources Limited. Land Access is secured through Emmerson's Indigenous Land Use Agreement (ILUA) with the CLC which is in good standing. Land Access is secured through Emmerson's Land Access Agreement signed by the owners of the Tennant Creek station. Heritage surveying (assisted by the Central Land Council) was conducted prior to any exploration being conducted within the Mauretania Project Area. Sacred Site Certificate Numbers 2015-40a, 2015-40b and 2015-40c subsequently issued post field inspection allowing field exploration and drilling to commence. Two exclusion zones were identified during the field inspections however do not impact on the current exploration drilling. Emmerson do not believe that the two identified exclusion zones will impact of future exploration of the Mauretania Project Area. The tenement is in good standing and no known impediments exist.
Exploration done by other parties Geology	Acknowledgment and appraisal of exploration by other parties. Deposit type geological setting and style of	 Emmerson Resources commenced exploration at the <i>Mauretania Exploration Target</i> in 2015. RAB drilling (158 holes for 6,956 metres), 31 RC holes for 4,487 metres (MTRC003-MTRC034) and 5 diamond (HQ) drill hole tails for 738.1m. Regional mapping and rock chipping was undertaken by previous explorers. Most of this work was completed in the 1970's by Australian Development Pty Ltd and in the 1980's by Normandy Tennant Creek Adelaide Petroleum NL (Sabminco NL JV) drilled 11 RC holes at the Black Cat Prospect (1988) however did not discover significant results and no further work was done. Matana Minerals NL also mapped the general area in 1989.
Geology	Deposit type, geological setting and style of mineralisation.	 The reader is referred to AusIMM Monograph 14 (Geology of the Mineral Deposits of Australia and Papua New Guinea), Volume 1, pp. 829-861, to gain an introduction to the regional geology and styles of gold-copper mineralisation of the area.

		 In 1995 the Northern Territory Geological Survey released a geological map and explanatory notes for the Tennant Creek 1:100,000 sheet, which covers the area of the license. The rocks of the Warramunga Formation host most of the ore bodies in the region and underlie the Exploration License. Mineralisation is considered to be Proterozoic Iron Oxide Copper Gold (IOCG) mineralisation of similar style and nature to other mineralisation / deposits in the Tennant Creek Mineral Field.
Drillhole information	 A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes: easting and northing of the drillhole collar elevation or RL of the drillhole collar dip and azimuth of the hole downhole 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. 	 A list of drill hole information, collar details and intersections is provided in the main text, Table 1 and Table 2. Non-significant assay values were not individually reported. Lower cut-off are shown in Table 1.
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. 	 Mineralized intersections are reported as down hole intervals and not weighted averages. Significant Intersectiosn and cut off grade are shown in Table 1. These results are exploration results only and no allowance is made for recovery losses that may occur should mining eventually result, nor metallurgical flow sheet considerations. No metal equivalent values reported
Relationship between mineralization 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 drillhole angle is known, its nature should be reported. If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (eg 'downhole length, true width not known'). 	 Mineralisation identified at the Mauretania Exploration Target is contained within hematite-magnetite-quartz jasper ironstone which grades with depth to a hematite-magnetite ironstone (see cross – section in the text). The ironstone dips 75 degrees to the southwest and strikes NW-SE. Magnetic modelling suggests the ironstone has a strike length of 120m and the modelled body plunges to the northwest. Downhole lengths only, true width not known
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 drillhole collar locations and appropriate sectional views.	Refer to Figures in body of text.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should	Drilling results are reported at cut-offs as shown in Table 1.

	be practiced to avoid misleading reporting of Exploration 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.	Refer to body of report.
Further work	 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. 	 Geological reinterpretation based on new drilling information Refer to Figures and text in body of report