



# MONTEZUMA

MINING COMPANY LTD

3 DECEMBER 2015

## FIRST EVER RC DRILLING AT YAMARNA CONFIRMS CAMP SCALE HIGH GRADE BASEMENT GOLD TARGET

- First ever RC drilling at Jatz has returned high grade basement hosted gold values **up to 19.1 g/t gold in the first two holes.**
- Assays presented are from selected intervals in the first three RC holes which were fast tracked through the laboratory.
- Intervals were selected based on field observations of strong quartz, pyrite, chalcopyrite, silica, sericite, carbonate alteration.
- Significant intercepts from the selected intervals include:
  - YARC001: 10m @ 0.9 g/t from 46 metres and:  
**7m @ 5.4 g/t Au** from 64 metres including:  
**2m @ 17.5 g/t Au** from 65 metres
  - YARC002: 4m @ 1.9 g/t Au from 119 metres including:  
**2m @ 3.3 g/t Au** from 120 metres
- Drilling on the line 400m to the north has intersected thicker widths of similar alteration with assays pending.
- Drilling is ongoing with approximately 13 holes for 1,800m completed to date.

Montezuma Mining Company Ltd ("Montezuma" or "Company") is pleased to announce selected intervals from the first three RC drillholes drilled at the Company's 100% owned Yamarna Project have returned multiple ore grade intercepts including high grades up to 19.1 g/t Au.

The high grade gold occurs in zones of intensely altered greenstones with strong silica, carbonate, pyrite, sericite alteration. The mineralisation has all the hallmarks of a mesothermal shear hosted gold system with potential for significant scale.

Importantly, drilling is ongoing with the remainder of the assay results still pending, but notably, holes drilled along a line 400m to the north of these early results have also intersected broader zones of similar alteration which is very encouraging. Assays from these holes will be reported as soon as they are available.

Executive Director Justin Brown said "To intersect grades of this magnitude in the first ever RC drillhole in this Project has exceeded all expectations. The extensive and high tenor regional anomalism highlighted in the recent geochemical work coupled with these grades so early in the RC programme highlights the exciting potential of the project. Work is expected to accelerate in 2016."

Ground Floor, 31 Ventnor Street, WEST PERTH WA 6005

## ABOUT MONTEZUMA MINING

Listed in 2006, Montezuma Mining Company Ltd (ASX: MZM) is a diversified explorer primarily focused on manganese, copper and gold. The Company's primary objective is to achieve returns for shareholders through selected strategic acquisitions and targeted exploration.

Montezuma Mining has 100% interests in the Yamarna Gold Project in the Yamarna Greenstone Belt, Western Australia and the Butcherbird Manganese/Copper Project in the Murchison region of Western Australia

## MARKET DATA

ASX code:	MZM
Share price:	\$0.255
Shares on issue:	70,464,350
Market capitalisation:	\$18M
Cash (30 September 2015):	\$6.22M

## BOARD AND MANAGEMENT

Chairman	Seamus Cornelius
Executive Director	Justin Brown
Non-Executive Director	John Ribbons
Exploration Manager	Brad Drabsch



Company information, ASX announcements, investor presentations, corporate videos and other investor material on the Company's projects can be viewed at [www.montezuma.com.au](http://www.montezuma.com.au)

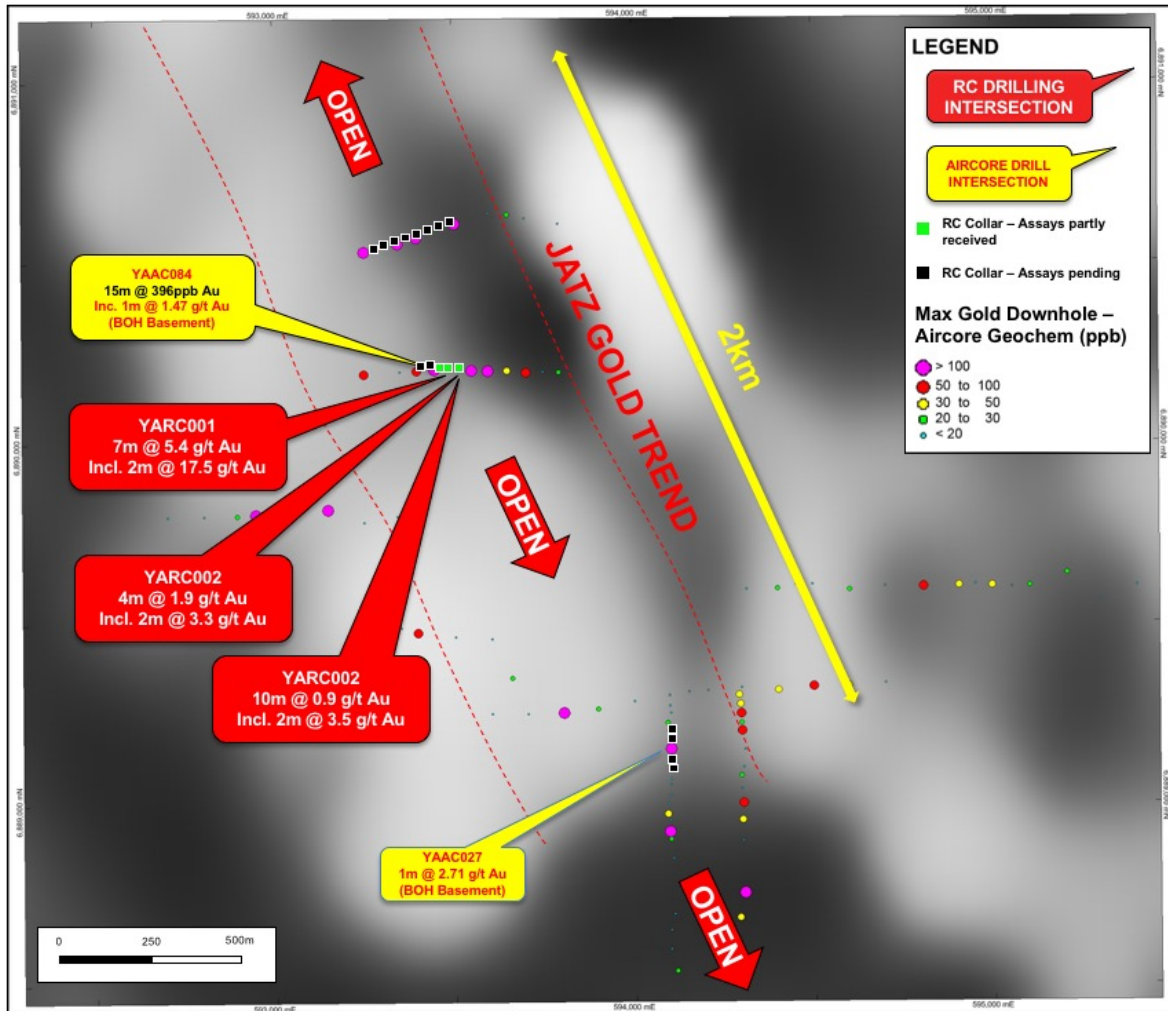


Figure 1: Collar locations over aeromagnetics. Assays from RC drilling are from selected intervals from the first three holes only.

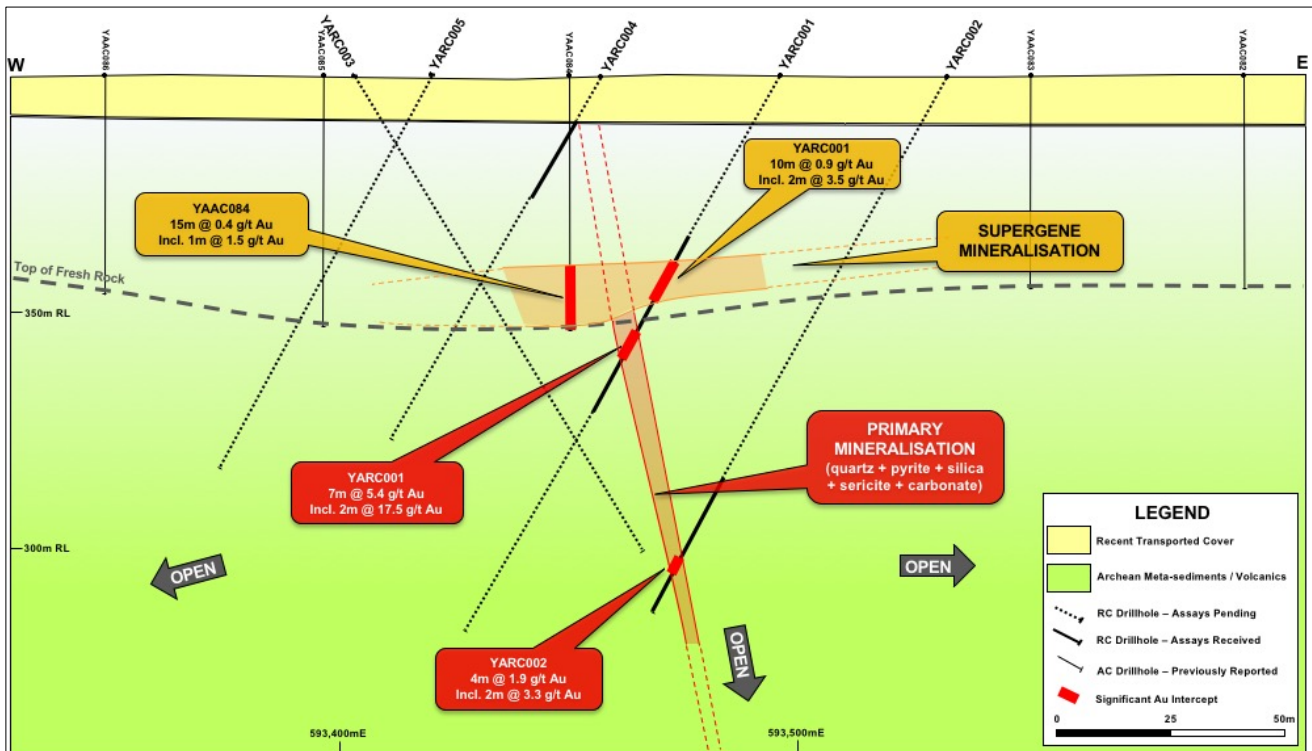


Figure 2: Sectional view of first line of RC drilling (6,890,200mN). Solid traces indicate assays received, dotted traces indicate assays are pending. All intersections are quoted as downhole widths.



Figure 3: RC chips from YARC001 showing intense pyrite, quartz, sericite alteration and mineralisation.

Hole ID	Easting (MGA 94 Z51)	Northing (MGA 94 Z51)	Nominal RL (m)	Dip (°)	Az. (mag °)	Total Depth (m)	Depth From (m)	Depth To (m)	Intercept Width (m)	Au (g/t)
Previously reported aircore results at the Jatz Prospect										
YAAC027	594100	6889153	415	-90	000	14	13	14	1	<b>2.7*</b>
YAAC084	593447	6890204	415	-90	000	55	40	55	15	<b>0.4</b>
New RC assay results from selected intervals in the first three holes										
YARC001	593496	6890206	415	-60	270	138	46	56	10	<b>0.9</b>
						Including	52	54	2	<b>3.5</b>
							64	71	7	<b>5.4</b>
						Including	65	67	2	<b>17.5</b>
YARC002	593532	6890201	415	-60	270	132	119	123	4	<b>1.9</b>
						Including	120	122	2	<b>3.2</b>
YARC004	593457	6890205	415	-60	270	No signific. results from selected interval, remaining pending				

Table 1: Significant gold assays >0.2 g/t from recently completed RC drilling at the Yamarna Project. All intersections are quoted as downhole widths. Assays are from selected intervals that were sampled out of sequence based on field observations. Complete assay data is not yet available. Assays were completed by fire assay.

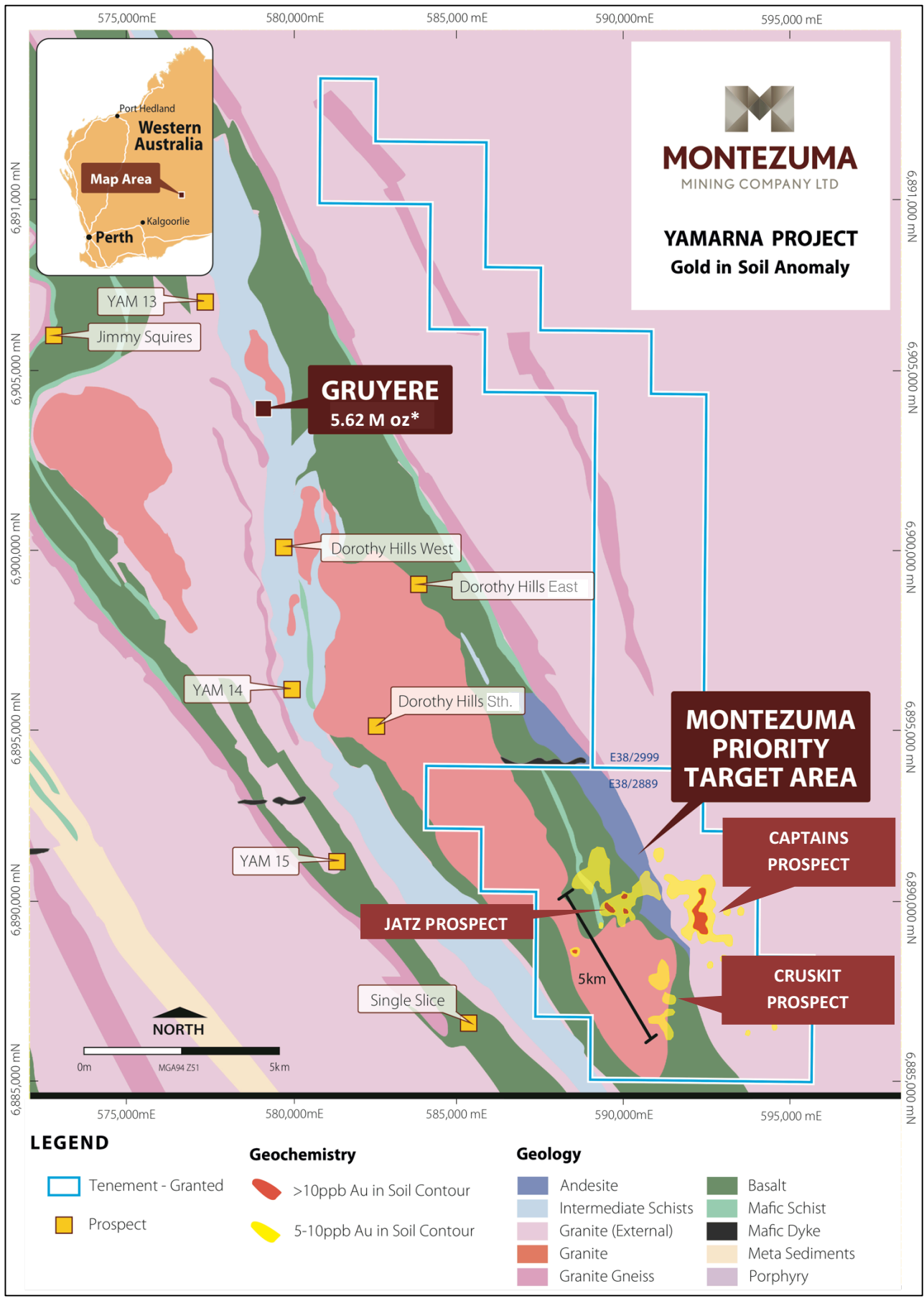


Figure 3: Gold in soil anomalies generated by Montezuma's recently completed soil sampling programme over interpreted basement geology. \* <http://www.goldroad.com.au/reports/431bxcg4t7pqdd.pdf>

## FOR MORE INFORMATION...

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Executive Director

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Company information, ASX announcements, investor presentations, corporate videos and other investor material on the Company's projects can be viewed at <http://www.montezuma.com.au>.

This announcement effectively lifts the Company's current trading halt. The Company is not aware of any reason why the ASX would not allow trading to commence immediately.

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*The information in this report that relates to Exploration Results, Mineral Resources and Mineral Reserves is based on information compiled by Mr Bradley Drabsch who is a member of the Australasian Institute of Geoscientists. At the time that the Exploration Results, Mineral Resources and Mineral Reserves were compiled, Mr Drabsch was an employee of Montezuma Mining Company Ltd. Mr Drabsch is a geologist and 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, Mineral Resources and Ore Reserves'. Mr Drabsch consents to the inclusion of this information in the form and context in which it appears in this report.*

*Please note with regard to exploration targets, the potential quantity and grade is conceptual in nature, that there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.*

**JORC Table 1** (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Reverse circulation (RC) percussion drill chips collected through a cyclone and cone splitter at 1m intervals (except for the first 8m of transported overburden, which is collected from the bulk reject as 4m composite samples).</li> <li>Spitter is cleaned regularly during drilling.</li> <li>Splitter is cleaned and levelled at the end of each hole.</li> <li>Mineralisation determined qualitatively through rock type, sulphide and quartz content and intensity of alteration.</li> <li>Mineralisation determined quantitatively via assay (50g Fire Assay and AAS determination for gold at 1m intervals).</li> <li>RC samples pulverized to 75 µm with gold determined by 50g Fire Assay and AAS finish at 1m intervals.</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>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).</li> </ul>	<ul style="list-style-type: none"> <li>Face sampling Reverse Circulation drilling.</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Recoveries qualitatively noted at the time of drilling and recorded in the MZM database.</li> <li>Sample splitter is cleaned at the end of each rod to ensure no sample hang-ups have occurred.</li> <li>Wet samples due to excess ground water are noted where present.</li> <li>No relationship between grade and recovery has yet been established.</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> </ul>	<ul style="list-style-type: none"> <li>All samples are logged to a level of detail to support future use in a mineral resource calculation should it be required.</li> <li>Qualitative: Lithology, alteration, mineralisation.</li> <li>Quantitative: Vein percentage, assaying for gold and other elements.</li> <li>All holes for their entire length are logged.</li> </ul>

Criteria	JORC Code explanation	Commentary
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>The total length and percentage of the relevant intersections logged.</li> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>RC chips cone split, sampled dry where possible and wet when excess ground water could not be prevented.</li> <li>Sample condition (wet, dry or damp) is recorded at the time of logging.</li> <li>The entire sample (approx. 2-3kg) has been dried and pulverised to 85% passing 75µm.</li> <li>Field duplicates have been collected and results are within expected limits.</li> <li>Sample sizes are considered appropriate for the grain size of the material sampled.</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Fire assay is a total digest technique and is considered appropriate for gold.</li> <li>Assays were returned for the following elements: Au.</li> <li>Certified Reference Material (Standards and blanks) are submitted with batches (approximately 1 in every 25 samples) and laboratory inserted standards, blanks and duplicates are also reported. The results reported for are all within tolerable limits.</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>All data have been checked internally for correctness by senior MZM geological and corporate staff.</li> <li>All data is collected via Geobank Mobile software and uploaded into the MZM Geobank Database following validation.</li> <li>No adjustments have been made to assay data.</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>All location points were collected using handheld GPS in MGA 94 – Zone 51.</li> <li>Downhole surveys are conducted at approximately 30m intervals using industry standard downhole survey tools.</li> </ul>

Criteria	JORC Code explanation	Commentary
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li><i>Data spacing for reporting of Exploration Results.</i></li> <li><i>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.</i></li> <li><i>Whether sample compositing has been applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>Drillhole collars are spaced at approximately 40m intervals across zones of interest.</li> <li>Hole spacing is appropriate for drilling at this early stage in the exploration process.</li> <li>Sample compositing has been applied for only the top 8m of each hole in transported overburden, the remainder being sampled at 1m intervals.</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li><i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>The orientation of structures is not known with certainty but drilling was conducted using appropriate orientations for interpreted structures.</li> <li>Bias introduced by drill orientation with respect to structures is not known.</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li><i>The measures taken to ensure sample security.</i></li> </ul>	<ul style="list-style-type: none"> <li>Chain of custody was 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 Toll in Laverton. The bags are delivered directly to MinAnalytical in Canning Vale, WA who are NATA accredited for compliance with ISO/IEC 17025:2005.</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li><i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<ul style="list-style-type: none"> <li>No external audits or reviews have been conducted apart from internal company review.</li> </ul>



## Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>E38/2889 is 100% owned by Montezuma Mining Company Limited and is in good standing and there are no known impediments to maintaining a licence to operate in the area.</li> <li>The land on which E38/2889 is situated within Aboriginal Reserve 20396. Montezuma Mining Company Limited has obtained "Mining Entry Permits" to operate within the licence area.</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Very little exploration has been undertaken in the area of E38/2889 previously. The most detailed work was carried out by WMC during the mid-1990's where they collected -75um soil samples on a regional scale. WMC did not follow-up the low tenor anomalies they defined in the current work area at the time.</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>Not enough information has been gathered to adequately define the precise geology in the area as it is largely covered in recent sand.</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>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: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>See appendix to the release.</li> </ul>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values</li> </ul>	<ul style="list-style-type: none"> <li>No top-cuts have been applied when reporting results.</li> <li>First assay from the interval in question is reported (i.e. Au1), except in the cases where the assay repeats or is reported as over range for gold for the instrument being used. In this case, a fire assay repeat is conducted and that value reported. This is noted where this occurs.</li> <li>Aggregate sample assays calculated using a length weighted average</li> <li>Significant grade intervals based on intercepts &gt; 50ppb gold.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<i>should be clearly stated.</i>	<ul style="list-style-type: none"> <li>No metal equivalent values have been used for reporting of results.</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>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').</li> </ul>	<ul style="list-style-type: none"> <li>Not enough information has been gathered to adequately define the precise geology in the area as it is largely covered in recent sand.</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to figures in document.</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>All drill hole locations are reported and a table of significant intervals is provided in the release text.</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>All meaningful and material information is reported.</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul style="list-style-type: none"> <li>Second phase dill planning to follow-up significant intersections is underway and is expected to commence within Q4 2015.</li> </ul>