



28 FEBRUARY 2017

**HIGH GRADE COBALT MINERALISATION  
CONFIRMED AT THE PINNACLES PROJECT**

- Extensive historic drilling data set currently being compiled.
- Results show a **flat lying near surface cobalt zone** including:
  - PN44 16m @ **0.27% Co**, >1% Ni, 0.58% Mn from 18m
  - PN100 8m @ **0.29% Co**, 0.73%Ni, 2.09% Mn from 10m; including: 2m @ **0.8% Co**, >1% Ni, 4.6% Mn from 14m
  - PN168 30m @ **0.16% Co**, >1.0 % Ni, 0.86 Mn from 10m
- Historic data search confirms **rock chip assays up to 1.30%** cobalt at Pinnacles Project.
- Resource Estimate to be fast tracked once data compilation completed.
- Project extends Montezuma’s technology metal thrust targeting the manganese<sup>1</sup>, lithium<sup>2</sup> and cobalt markets.

Montezuma Mining Company Ltd (“Montezuma” or “Company”) is pleased to advise that an ongoing historic data review has confirmed the potential for **high grade cobalt** associated with manganese-nickel oxide mineralisation at its 100% owned Pinnacles Project. The Pinnacles Project is located ~75km north east of Kalgoorlie, and ~50km from the Company’s Lake Johnston Lithium Project.

The Project was extensively drilled for lateritic nickel mineralisation until 2004. Cobalt was not a specific focus of the historic work however it is clear from the available data that there is significant shallow **cobalt enrichment** in parts of the deposit, providing an opportunity to fast track the calculation of a mineral resource estimate at very low cost to the Company using this data set.

The addition of cobalt to the Company’s project portfolio strengthens Montezuma’s strategic position as it expands into the technology metal space to take advantage of **increasing metal prices** resulting from strong projected demand growth as the world moves from a fossil fuel energy system to one which is based on renewable energy production and battery storage<sup>3</sup>. Most key battery technologies use lithium with manganese and/or cobalt, the target commodities for the Company’s Butcherbird, Lake Johnston and Pinnacles Projects.

<sup>1</sup> Company ASX release dated 13 February 2017  
<sup>2</sup> Company ASX release dated 22 February 2017  
<sup>3</sup> <https://www.climatecouncil.org.au/batterystoragereport2015>

**ABOUT MONTEZUMA MINING**

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

Montezuma has 100% interests in the Yamarna Gold Project in the Yamarna Greenstone Belt, the Holleton Gold Project in the Wheat Belt region and the Butcherbird Manganese/Copper Project in the Murchison region, all located in Western Australia.

**MARKET DATA**

ASX code:	MZM
Share price:	\$0.17
Shares on issue:	83.5M
Market capitalisation:	\$14.2M
Cash (at 30 December):	~\$4.6M
Listed Investments:	~\$8M

**BOARD AND MANAGEMENT**

Chairman	Seamus Cornelius
Executive Director	Justin Brown
Non-Executive Director	John Ribbons
Exploration Manager	Dave O’Neill



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)

The data presented represents a sub sample of a larger historical data set which is currently being compiled and validated. The results compiled to date suggest that further work is warranted on the deposit and the Company intends to allocate further resources to complete the data compilation and validation work. This will form the basis of an initial resource estimate before the next phase of work is planned.

As a result of the historic work being focussed on the nickel rather than the cobalt mineralisation, the Company believes there may be potential for further work to better define the higher grade cobalt zones within the greater lateritic nickel orebody.

The apparent association between cobalt and manganese mineralisation will be further explored in future analyses as this may have importance in relation to understanding the cobalt distribution but also potential metallurgical processing options.

Hole ID	Easting (MGA 94 Z51)	Northing (MGA 94 Z51)	RL (m)	Dip (°)	Azimuth (mag °)	Total Depth (m)	Depth From (m)	Depth To (m)	Intercept Width (m)	Co (%)	Ni (%)	Mn (%)
PN33	435096	6649826	398.7	-90	0	82	30	50	20	0.15	0.57	0.44
PN41	434937	6650027	402.9	-90	0	76	18	32	14	0.16	>1.0*	0.94
PN44	435102	6650004	404.3	-90	0	42	18	34	16	<b>0.27</b>	>1.0*	0.58
PN50	434929	6650226	407	-90	0	82	8	10	2	<b>0.27</b>	0.62	2.00
					And		22	30	8	0.14	>1.0*	0.55
PN100	434890	6652194	412	-90	0	88	10	18	8	<b>0.29</b>	0.73	2.09
					Including		14	16	2	<b>0.8</b>	>1.0*	4.6
PN117	435102	6649401	397.4	-90	0	90	26	32	6	<b>0.21</b>	0.64	1.78
PN167	434973	6650207	406.5	-60	270	100	14	22	8	<b>0.21</b>	0.78	0.52
					Including		14	16	2	<b>0.58</b>	>1.0*	1.35
PN168	434892	6650208	407	-60	270	82	10	40	30	0.16	>1.0*	0.83
<b>Rock Chip Results<sup>5</sup></b>												
N/A	434832	665245								1.30%	1.55%	

**Table 1:** Selected drilling intercepts from the Pinnacles Cobalt Project<sup>4</sup>. Intervals show selected zones with >0.1% average grade from drillholes compiled to date. All intersections are downhole widths. In the case of vertical drillholes, widths are interpreted as being approximately true width. \* Indicates that the assay result was above 1% Ni, the upper range limit of the assay technique used.

## FOR MORE INFORMATION...

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Executive Director

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Email: [jbrown@montezuma.com.au](mailto:jbrown@montezuma.com.au) 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>.

The information in this report that relates to Exploration Results, Mineral Resources and Mineral Reserves is based on information compiled by Mr Justin Brown who is a member of the Australasian Institute of Mining and Metallurgy. At the time that the Exploration Results, Mineral Resources and Mineral Reserves were compiled, Mr Brown was an employee of Montezuma Mining Company Ltd. Mr Brown 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 Brown 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.

<sup>4</sup> Paterson, P 1998, 'Combined Annual Mineral - Exploration Report December 12<sup>th</sup> – April 30<sup>th</sup> 1998 E28/589, 590, 680'. WAMEX Item A 55268

<sup>5</sup> Kanowna Lights NL ASX Release 28 October 1998 'First Quarter Activities Report'.