ASX Code: MTB



4 October 2016

#### MOUNT BURGESS READY TO RE-COMMENCE ZINC EXPLORATION AT KIHABE PROJECT

#### PRESENTATION PACK

The following are presentation slides for presentations to be given by Mount Burgess Mining (ASX: MTB) over coming weeks. The slides provide an overview of recent developments and the company's strategic direction. Topics covered include:-

- Drilling to commence early October
- Kihabe Exploration Licence recently granted to 2022, Funds raised and Board strengthened
- Mount Burgess is one of few ASX stocks positioned to leverage the increasingly strong Zn price.
- Established Zinc/Lead/Silver Resource at Kihabe Nxuu project
- Seven additional geochemical soil anomalies identified and yet to be drill tested.

Jan Forrester

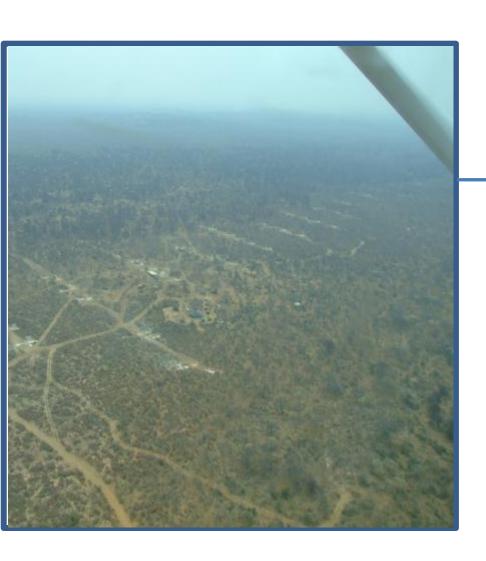
**Company Secretary** 

Jan Forresto

# Kihabe Base Metal Project Zinc Copper Botswana



**ASX: MTB** 





# **Disclaimer: Forward Looking Statement**



This presentation contains forward looking statements in respect of the projects being reported on by the Company. Forward looking statements are based on beliefs, opinions, assessments and estimates based on facts and information available to management and/or professional consultants at the time they are formed or made and are, in the opinion of management and/or consultants, applied as reasonably and responsibly as possible as at the time that they are applied.

Any statements in respect of mineral reserves, resources and zones of mineralisation may also be deemed to be forward looking statements in that they contain estimates which the Company believes have been based on reasonable assumptions with respect to mineralisation that has been found. Exploration targets are conceptual in nature and are formed from projection of the known resource dimensions along strike. The quantity and grade of an exploration target is insufficient to define a Mineral Resource. Forward looking statements are not statements of historical fact, they are based on reasonable projections and calculations, the ultimate results or outcomes of which may differ materially from those described or incorporated in the forward looking statements. Such differences or changes in circumstances to those described or incorporated in the forward looking statements may arise as a consequence of the variety of risks, uncertainties and other factors relative to the exploration and mining industry and the particular properties in which the Company has an interest.

Such risks, uncertainties and other factors could include but would not necessarily be limited to fluctuations in metals and minerals prices, fluctuations in rates of exchange, changes in government policy and political instability in the countries in which the Company operates.

## Competent Person Statement

The information in the resource statement that relates to the Kihabe Resource is compiled by Byron Dumpleton, B.Sc., a member of the Australasian Institute of Geoscientists. The information that relates to the Nxuu Resource is compiled by Mr Ben Mosigi, M.Sc., (Leicester University – UK), B.Sc., (University of New Brunswick – Canada), Diploma Mining Tech (Haileybury School of Mines – Canada), a member of the Geological Society of South Africa.

Mr Dumpleton is an independent qualified person and Mr Mosigi was a Technical Director of the Company for the period in which the resource was developed. Both Mr Dumpleton and Mr Mosigi have sufficient experience relevant to the style of mineralisation under consideration and to the activity to which they have undertaken to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code of Reporting of Mineral Resources and Ore Reserves". Both Mr Dumpleton and Mr Mosigi consent to the inclusion in this report of the matters based on the information in the form and context in which it appears.

This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

## PRIMED FOR IMMEDIATE AND LONG TERM SUCCESS



### STRATEGICALLY PRIMED!

- Licence recently granted to 2022
- Board strengthened
- Funding secured near term news flow
- Timed to positive zinc outlook
- One of only a few ASX Zinc focussed plays

# POTENTIAL FOR NEAR TERM ZINC PRODUCTION

- Established Resources (JORC 2004)
- Possible upside <u>within</u> established Resource shell
- Good recoveries
- Completed Scoping Study<sup>1</sup>

## **ADDITIONAL ANOMALIES**

- 6 Priority Zn anomalies
- 1 Priority Cu/Co anomaly
- Geochemical anomalies strong markers of potential repeats of existing Resources
- Total of 13km of strike to test!
- Drilling program October 2016



## **ABOUT BOTSWANA**

- Rank # 5 in Africa (Fraser Institute '15)
- Stable and peaceful
- Appealing investment framework
- English speaking and long track record of mining activity

# TRANSFORMATION IN PREPARATION FOR RE-LAUNCH

### MTB Dedicated to progressing the Kihabe Project

- Licence granted in 2016 for 7 years (3yr, +2yr, +2yr extensions)
- Current priority Focus on exploration
- Minimal head office costs

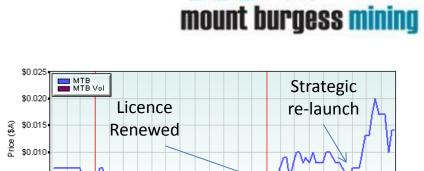
**Board** Substantial African experience and networks with proven skills across Corporate, Geology, Mining and Metallurgy

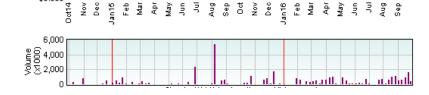
- Nigel Forrester
- Chris Campbell Hicks
- Karen Clark
- Harry Warries
- Jason Stirbinskis

#### **Structure**

Shares on issue – 210,465,227

1. Strata Drilling	5.91%
2. Cen Pty Ltd	5.57%
3. Peloton Pty Ltd	5.23%
4. Graham Forward	4.92%
5. Citi Corp Noms	4.89%
6. WB Noms	4.69%
7. HSBC Noms	4.25%
8. Michael D Murphy	3.92%
9. Jerd Pty Ltd	3.71%
10. N. R. Forrester & Ass	3.70%
	46.79%





\$0.005

\$0.000

MTB has an impressive, established camp on site



## KIHABE – NXUU RESOURCE STATEMENT

External



**Total** 

Deposit		a.oatoa			. •		
	Zn-eq Cut %	M Tonnes %	M Tonnes %		М	Tonnes %	
Kihabe	1.5%	11.4 @ 2.90%	3.0 @ 2.60%		14.	4 @ 2.84%	
Nxuu	0.3%	-	10.9 @ 3.20%		10.	9 @ 3.20%	
		11.4 @ 2.90%	13.9 @ 3.07%		25.	.3 @ 3.00%	
Kihabe resource calculated on metal prices as at 17 July 2008: Zn US\$1,810/t Pb US\$1,955/t					\$1,955/t	Ag US\$18.75/oz	
Kihabe Grades:		Zn 1.8%	Pb 0.8	%	Ag 7.7 g/t		
Nxuu resource calculated on zinc and lead at par value metal prices							
Nxuu Grades:			Zn 1.8%	Pb 1.4	%		

Indicated

The Kihabe and Nxuu Resources cover a combined strike length of 2.3 km containing 25.3 M/t @ 3.% Zn eq, within a SEDEX mineralised zone of quartz wacke, right at the contact with the regional dolostone.

### KIHABE – NXUU METAL RECOVERIES

•	Kihabe Oxide	97% Zn recovered (24hrs via acid leach), potential to produce Zn metal via SX/EW
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92% Pb recovered to produce exceptionally high grade concentrate of 76% Pb

Inferred

Kihabe Sulphide 94% Zn, 88% Pb, 96% Ag recovered (15mins via flotation) to produce

Zn con 58% and Pb con 76%

Nxuu Oxide 93% Zn, 93% Pb, (12hrs via acid leach), potential to produce Zn metal via SX/EW

# POTENTIAL TO INCREASE RESOURCE WITHIN EXISTING KIHABE 0.5%ZnEq RESOURCE ENVELOPE



- Current Resource based on 127 Reverse Circulation (RC) and 36 Diamond Drill (DD) holes
- Twinning of RC holes with Diamond Drilling revealed a positive variation suggesting a material negative bias in RC drilling and/or sampling methods
- Neither considered other metal credits particularly Germanium\*



- Actual grade is potentially materially higher than reported Resource
- Sub–economic blocks may in-fact be economic
- Therefore contained metal is potentially larger than reported

Example: Based on a 0.5% ZnEq resource envelope the existing Kihabe Resource generated a grade of 2.22% based on RC+DD holes. Based on DD only (32 holes) the same volume generated a grade of 3.26%\*

\*The spacing of diamond holes does not permit this result to be converted to a Resource.

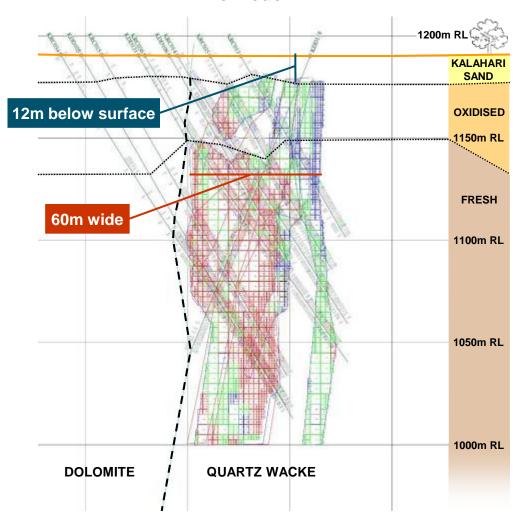
	Results from DD	DD % Increase on RC result
Section 9,900mE	KDD105 (-60° inc)	
Zone from 127mRL	28m @ 3.24% Zn	101%
Section 10,000mE	KDD108 (-70° inc)	
Zone 1 from 60mRL	12m @ 4.36% Zn	Avg 25% 64% (KIH004)
Zone 2 from 102mRL	14m @ 4.18% Zn	139%
Section 10,200mE	KDD110 (Vertical)	
Zone from 125mRL	13m @ 4.05% Zn	26%
Section 11,500mE	KDD114 (Vertical)	
Zone from 60-98mRL	11m @ 3.54% Zn	50.21%
Zone from 98-141mRL	18m @ 2.89% Zn 14m @ 4.15% Zn	22.46% 75.85%
Section 11,600mE	KDD115 (-60° inc)	
Zone from 110mRL	7m @ 2.85% Zn	37.7%
Section 11,800mE	KDD116 (-60° inc)	
Zone from 55mRL	24m @ 4.37% Zn	Avg 70.0%
Overall Average Grade of above results	DD Results 3.74% Zn **	59.1% **

<sup>\*\*</sup> The above increase in zinc grades from diamond drilling results is indicative only, at this stage.

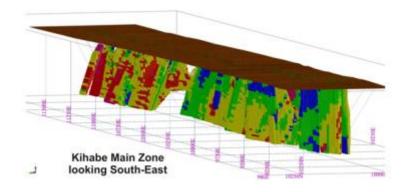
## KIHABE – Potential open pit



#### Zinc Model

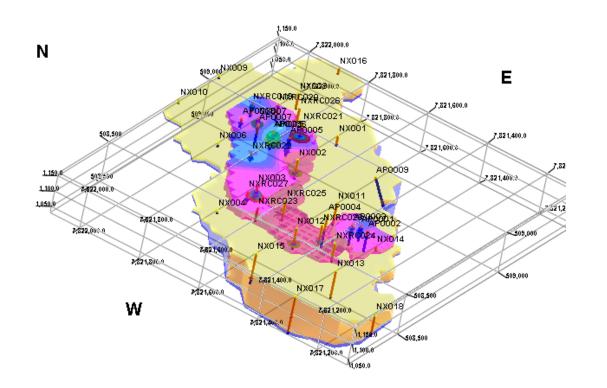


- 25% Near surface oxides (Zn as Smithsonite, Baileychlore; Pb as Galena)
- SedEx style Mineralisation occurs in quartz wacke at near vertical contact with regional dolomite
- Resource envelope from 10m to 175m below surface (potential open pit depths)
- Strike length 1.8km
- Indicative SR of 4.5:1 with scope for further improvement after geotechnical drilling



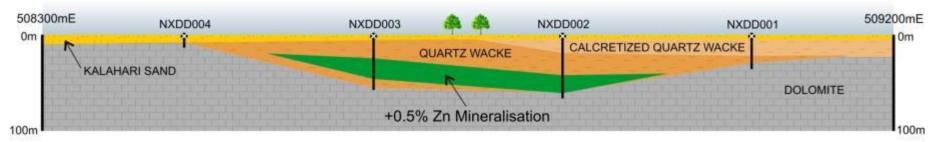
# NXUU – Potential shallow open pit oxides





- 7km East of Kihabe, also SedEx
- Surface area of 550m x 250m basin shape
- All oxide (Zn as Smithsonite, Pb as Cerrusite)
- Resource envelope from 10m to 60m below surface
- Indicative SR of 3:1

#### NXUU SECTION 7821700N



# ADDITIONAL ANOMALIES AND MINERALISED ZONES OF SUBTANTIAL STRIKE LENGTH



Geological uniformity of mineralised quartz wacke at the Dolostone contact is a significant pathfinder for additional discoveries as indicated by geochemical results



Target 52 Zn anomaly around a fold closure - 5.2km strike length

Tswee Tswee Zn anomaly - 1.5km strike length

Wanchu Zn anomaly, possible SW extension of Nxuu discovery - 1.2km strike length

Copper/Cobalt anomaly - 2.3km strike length

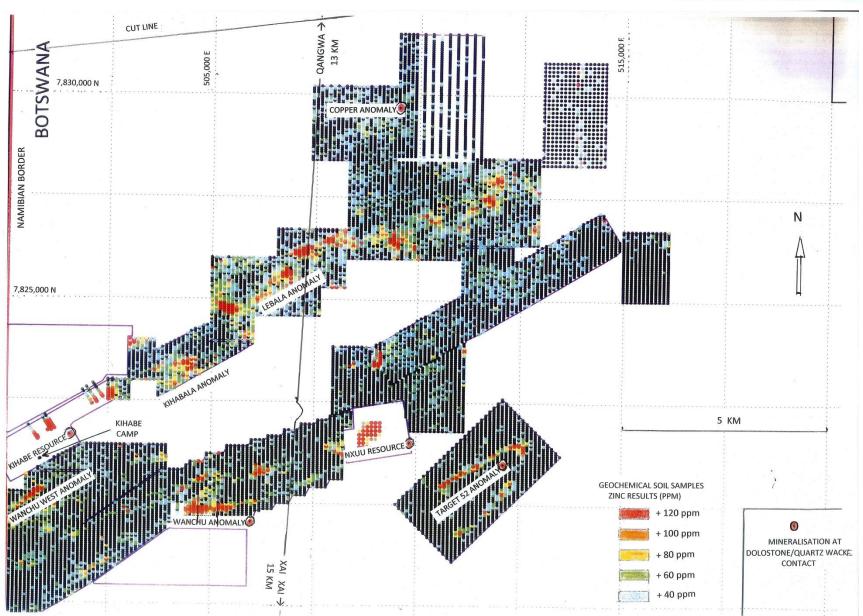
Wanchu West high grade Zn anomaly (soils), parallel to the Kihabe resource - 900m strike length

Lebala Zn anomalies combined - 1.3km strike length

Kihabala Zn anomaly - 600m strike length

# Systematic exploration of priority anomalies





## **ROAD MAP**



With recent funding success and pending drilling activity, Mount Burgess has emerged from hiatus with a compelling investment case for short term opportunity and long term strategic growth.

#### **IMMEDIATE**

- Driller selected
- Drilling anomalies
- Drilling results (~November)

#### **MID TERM (H1 2017)**

- Follow up /extension drilling
- Test other anomalies
- Re-visit 2010 scoping study

#### **H2 2017 AND BEYOND**

- PFS/FS
- Upgraded Resource
- Further exploration of numerous high priority targets

Target 52 anomaly strike length is twice as long as Kihabe and Nxuu combined and a high priority drill target for 2016

"Having found the Kihabe and Nxuu Resources in this favourable geological environment, the potential for generating additional resources is considered high based on geochemical anomalies discovered thus far. We therefore enter this drill program with a high expectation of success"

