

### Targeting a Major Coal Resource in Africa

Investor Update October 2011, Chris Mason

# Disclaimer

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# Overview

### Exploration projects in Africa and Australia

### **Botswana Thermal Coal**

A significant resource at Takatokwane Strategic footprint on the region Well located west of Gaborone Number of marketing options available

Tasmanian IOCG style targets

Plus projects in Tanzania and NSW

# **Board of Directors**

#### George Kenway Chairman

Chris Mason Managing Director Geoff Wallace Executive Director/ Company Secretary

20 years in senior management, Managing Director & Executive Chairman

Companies including Titan Resources, Goldstream Mining and Uranex NL. 10 years of Industry sector experience

Stock Broking and Corporate Advisory roles focused on the Small Cap resources sector Member of the Australian Institute of Company Directors

Mr Wallace has been Director of a number of ASX and TSX listed companies Non Executive Director

Peter Batten

28 years' experience as a principal consulting geologist

Formerly Managing Director of Berkeley Resources, Bannerman Resources & White Canyon Uranium

# **Capital Structure**



237,213,321

49.23m (3c to 10c)

**\$7.1m** (@ 3.0c)

Nik Zuks – 9.1% Board – 7.7%



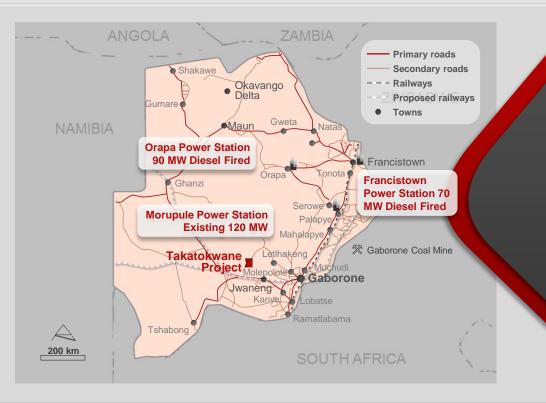
# Botswana

Independence since 1966

Stable, secure English speaking jurisdiction

A long history of mining

Focus on coal exploration Moratorium on new licences Coal resources road map



# **Botswana Power**

Botswana's power demand is growing

Currently over 75% imported

Regional suppliers **under pressure** to supply domestic market

Botswana identifies the need to increase capacity Morupule expansion will not satisfy demand Location constraints and capacity

Mining sector consumes ~ 44% and growing



# **Export Coal/Infrastructure**





Existing infrastructure does not support export coal

However, two proposed railways

- 1. Ponto Techobanine rail via Mozambique
- 2. Trans Kalahari rail via Namibia

Both still at the Pre-Feasibility stage

Sufficient commercial and political will to succeed

# Takatokwane



Located in the Kweneng District 195 kilometres west of Gaborone NMR earning 70% of PL 035/2007 By completing a Pre-Feasibility study by Oct 2012 Resource Drilling completed, Modelling commenced Inferred JORC Resource imminent

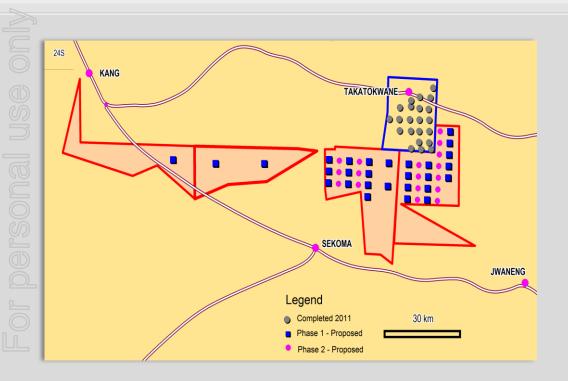
Scoping Study defined

# **Takatokwane South**



Contiguous land holding of 2,000km<sup>2</sup> NMR earning 65% of 4 PL's By completing a Scoping Study by Oct 2014 Phase 1 Drilling Q4 2011 28 holes at 8km spacing 3 rigs; one RC and 2 Diamond Core Phase 2 Drilling Q1 2012 17 holes at 4km spacing Sufficient drilling to upgrade resource

# **Completed and Planned Drilling**

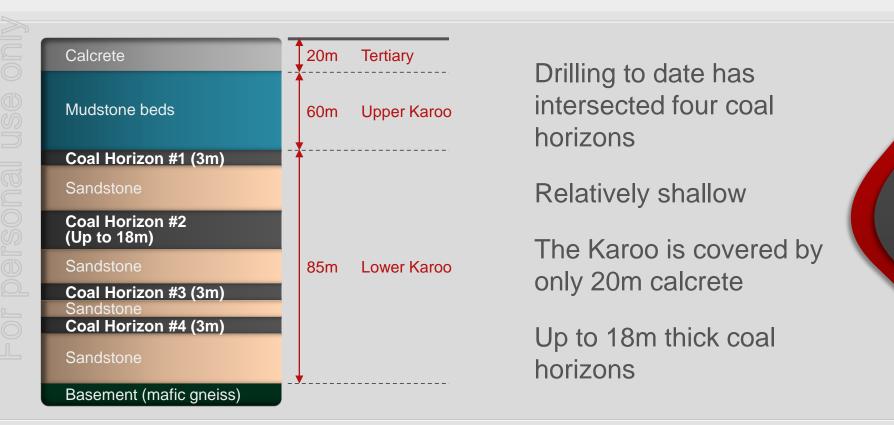


Sufficient drilling completed for Inferred JORC Resource

Extension drilling to increase Inferred Resource

Along strike to the East and South

## **Typical Schematic Stratigraphic Section**



# Results

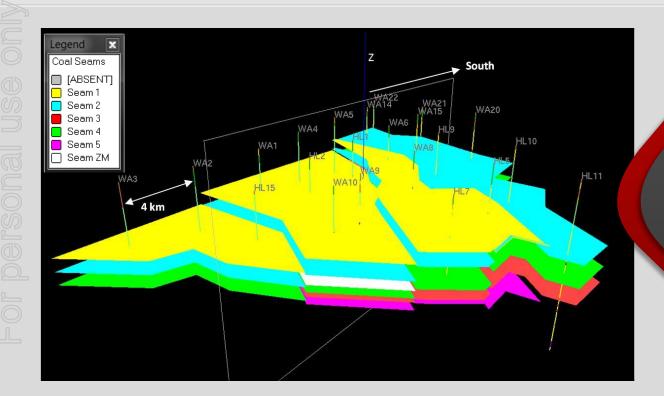
Seam	CV	Moisture	Volatile Matter	Ash	Fixed Carbon	Sulphur	
	MJ/kg	%	%	%	%	%	
1	22.37 – 24.10	7.9 – 9.4	30.2 - 35.9	14.8 – 18.9	40.2 - 45.7	1.7 – 4.0	
2	21.57 – 23.80	7.7 – 10.4	28.0 - 34.6	13.3 – 20.6	40.0 - 45.9	0.45 – 4.36	
3	22.54 - 24.35	7.9 – 9.3	28.7 – 32.0	14.0 - 18.2	42.7 – 48.5	0.88 - 2.26	
4	20.93 - 24.44	5.4 – 11.2	24.2 - 31.3	9.4 – 19.3	44.1 – 52.0	0.25 – 2.25	

Pleasing results highlighting:

Good calorific values averaging 23 MJ/kg

Generally Low sulphur and ash

# **3 Dimensional View**



Showing drilling and faulting of seams

30x vertical exaggeration

# **Scoping Study**

Nightingale Africa Partnership (NAP) South African based, long association with Botswana Dr Tumisang Seodigeng, Senior partner and ex-Sasol

NAP developed and owns the intellectual property to Ultra Clean Coal Energy Fuel (UCCEF)

### Study focusing on:

- 1. Coal resource geological info and mine planning
- 2. Market analysis for beneficiated coal and 'added value' products
- 3. Options for commercially available processes to derive 'added value' products

Completion due in January 2012

# **Timeline for Botswana Thermal Coal**

Q4 2011

Q1 2012

Inferred JORC Resource

Scoping Study

Phase 1 Drilling

Scoping Study Results

**Drilling Results** 

Phase 2 Drilling



# Tasmania – Specimen Reef



Iron Oxide Copper Gold (IOCG)

Project adjacent to Savage River iron ore mine

Historical gold workings within EL/2005

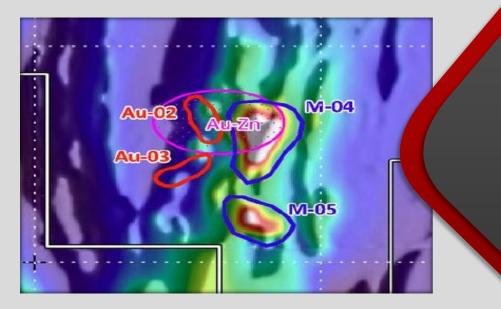
First gold discovered in 1882

# **Specimen Reef: Magnetics**

Magnetics highlight extension of Savage River magnetite ore body into Specimen Reef

Addition presence of Gold, Chalcopyrite and Brannerite in the historical core

Confirms Specimen Reef as an IOCG target



# Summary

### Botswana thermal coal Maiden JORC Resource

Takatokwane South 2 phase drilling program

Scoping Study to focus on short term potential

Specimen Reef drilling Q1 2012





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