

## **Annual General Meeting**

#### **24 November 2016**



Phosphate

**Sulphate of Potash** 

**High Purity Quartz** 

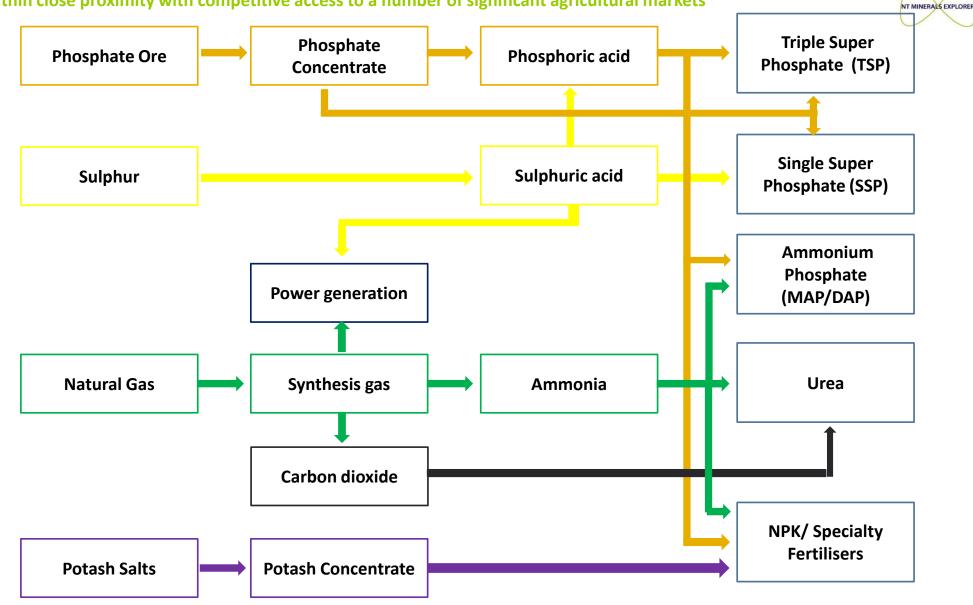
## Highlights



- Australian listed company with both phosphate and sulphate of potash (SOP) resources focused primarily on the Northern Territory of Australia.
- Phosphate (P) and potassium (K) are essential for efficient agriculture, there are no substitutions and they are critical components of the global food supply value chain
- Demand for food and agricultural output will continue to grow globally with world population forecast to grow to over 9 billion people over the next 25 years
- > Increasing middle class, particularly in Asia, demanding more and higher quality foods
- > Need for higher crop yields per unit of arable land leads to increasing demand for fertilisers
- Commodity prices at cyclic lows are starting to rise e.g. coal, iron ore and nitrogen based fertilisers. Phosphates and potash likely to follow
- > Over the last few years the company has compiled an attractive portfolio of fertiliser mineral projects that have moved beyond exploration:
  - ✓ Discovered and evaluated the global scale Ammaroo Phosphate Project located in the Northern Territory
  - Completed a preliminary feasibility study and commenced bankable feasibility study and environmental approvals. Fully funded to complete this over the next 12 months
  - Portfolio of Sulphate of Potash (SOP) projects based on geologically scarce potassium and sulphate brine resources. SOP is a premium potash fertiliser with limited supply available globally.

## **The Fertiliser Value Chain**

The Northern Territory is one of the few parts of the world where most of these fertiliser ingredients are available within close proximity with competitive access to a number of significant agricultural markets



\* Does not include animal feeds such as di-calcium phosphate and urea based feeds

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#### **Corporate Overview of Rum Jungle Resources**

#### **Capital Structure 4 October 2016**

Ordinary shares on issue	963.7m
Options on issue	8.1m
Share price	\$0.020
Market capitalisation	\$20m
Cash* (30 Sep 2016)	\$10.9m

\* Including secured term deposits

#### **Rum Jungle Resources Directors**

#### James Whiteside Non Executive Chairman

- Appointed to Rum Jungle Resources' Board in October 2016 and became Jeff Landels Chairman in November 2016 Non Executive
- Successful and senor career in agriculture related industries
- Former Chief Operating Officer of Incitec Pivot Fertilisers
- CEO of Quantum Fertilisers, a global fertiliser trading joint venture •
- Former Chairman and Director of Fertiliser Australia and Director of the International Fertiliser Association
- Graduate of the Australian Institute of Company Directors •





- Previously general manager of Western Mining Corporation's fertiliser operations at Phosphate Hill, Mount Isa and Townsville from 2002-2006
- Formerly spent over 30 years as General Manager of several pulp and paper industry companies in both Australia and New Zealand
- Former Group General Manager for PaperlinX's Gippsland operations and General Manager at AMCOR's Maryvale operations

#### **Robert Cooper** Non Executive Director



- Appointed to Rum Jungle Resources' Board in July 2016
- Mining Engineer with over 25 years experience
- . Previously held leadership positions with BHP Billiton as General Manager of Leinster Nickel Operations within Nickel West, Project Manager of a BHP Billiton-wide project, and as Asset President of Ekati Diamonds in Canada
- more recently held positions with Discovery Metals as General Manager • - Operations in Botswana and as General Manager - Development
- currently the CEO of CopperChem Limited and also Exco Resources Limited, both of which are 100% owned subsidiaries of the WH Soul Pattinson Group of companies

#### **Chris Tziolis** Managing Director



- Joined Rum Jungle Resources as Director of Development Projects in November 2012 and became Managing Director in July 2014
- . Previously held senior management roles at Rio Tinto, most recently as Chief Development Officer of Energy Resources of Australia
- Formerly worked for McKinsey and Company, primarily engaging in strategy development and operational performance improvement for global mining companies
- Former Operations and Commanding Officer in Royal Australian Navy
- Member of the Australian Institute of Company Directors





#### **Ammaroo Phosphate Project**

The Ammaroo Phosphate deposit is shallow and free digging which makes mining costs very low







Ammaroo Resource*				
Cut Off P <sub>2</sub> O <sub>5</sub> %	Category	Mt	P <sub>2</sub> O <sub>5</sub> %	
10	Meas.	135	15.4	
	Ind.	80	15.3	
	Inf.	930	14.0	
	Total	1,145	14.0	
15	Meas.	60	18.4	
	Ind.	38	18.1	
	Inf.	250	18.0	
	Total	348	18.0	



#### **Ammaroo Phosphate – Competitive Advantages**



- Project located in the western Georgina basin and may be the starting point of a major phosphate province. Significant phosphate exploration potential in the near region
- Ammaroo is largely shallow, moderate grade phosphate ore that underpins very low mining costs
- Easily beneficiated to a 30% plus market standard product at a relatively low cost
- Processing routes defined using existing and well established technology minimising risks
- Rock concentrate specifications ideal for phosphoric acid production markets in India and other parts of south eats Asia
- Ore and tailings benign representing very low environmental risk
- Located on pastoral lease so native title legislation applies
- Proximity to gas production and pipeline infrastructure for energy and existing transport infrastructure provides access to markets in Australia, Asia and Africa with minimal infrastructure investment

## **Sulphate of Potash Projects**



Sulphate of Potash (SOP) is a source of potash for chloride sensitive crops which makes up c. 10% of the current Potash market. It selles at a significant premium to muriate of potash (Potassium Chloride), that is the dominant potash product used globally





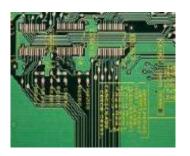
## Silica Projects – High Purity Quartz



Raw materials for high end technologies such as LED, Semi-Conductors and Solar Panels







Semiconductors



**Fibre Optics** 



**High End Lighting** 



**Solar Panels** 

#### **Company Strategy**



1

Advance the Ammaroo phosphate project to a bankable level of feasibility and complete environmental approvals and native title agreements to make the project investment ready. Focus on low capital rock phosphate export start-up and move down stream in the future. Continue engagement with the fertiliser industry to secure development partnerships/offtake

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2

Maintain the Sulphate of Potash portfolio with a particular focus on the Lake Amadeus/Karinga Lakes area of the Central Australian Ground Water Discharge Zone and Lake Frome in South Australia

Create value for shareholders by aligning the company's market value to the inherent value of the projects





Continue to evaluate the potential for the Dingo Hole silica to be converted to a valuable high purity quartz product

## What you will hear from us in the future

- Progression of the Ammaroo Phosphate Project:
  - Bankable Feasibility Study updates
  - Environmental Approvals over next 12 months
  - Completion of Ammaroo Native Title Agreements
  - Offtake agreements
  - Major Project Status from the NT Government
  - Project financing arrangements
  - Commercial arrangements with rail and port operators
- Significant uplift in engagement with institutional and retail equity capital markets both in Australia and internationally
- Continued engagement with the global fertiliser industry



#### **Change of Company Name**





- Verdant means green lush and growing
- ASX ticker will be VRM
- Expect name change and rebranding to be formalised in approximately 2 weeks once certificate received from ASIC

Video



# Please see corporate video\* at <u>www.rumjungleresources.com.au</u>

\* Please note that the video refers to the Lake Hopkins Project in the Northern Territory and the Lake Torrens Project in South Australia. The tenements associated with both of these projects have been relinquished as highlighted in the Quarterly Activities Report released to the ASX on 29 April 2016

#### **Investment Thematic (1/2)**



Attractive macro economic factors

- > Global population growth
- > Increasing middle class, particularly in Asia, demanding more and higher quality foods
- > Need for higher crop yields per unit of arable land leads to increasing demand for fertilisers
- > Increasing agri-business investment in Asia Pacific region including Australia
- Located in a stable OECD country providing investment certainty and security

Project diversity and optionality

- Global scale, very long life Ammaroo Phosphate Project . Funded to take to bankable level of feasibility and completion of environmental approvals and native title agreements
- Portfolio of SOP projects based on geologically scarce potassium and sulphate brines (with a scoping study completed on Karinga Lakes SOP project).
- Potential for high purity quartz which has applications in various high technology industries (preliminary stages of exploration and test-work)

## **Investment Thematic (2/2)**



Key enablers of value

- > Both phosphate and SOP projects have potential to be first or second quartile industry cost curve
- > Attractive industry structures and potential competitive advantages
- Improving competitiveness of Australia. Lower Australian dollar and cost reductions in Australia increases project value
- Proximity to existing gas and transport infrastructure providing access to markets both in Australia and Asia
- Processing routes utilising existing technology and minimising risks
- Significant and long term institutional shareholder support. Washington H Soul Pattinson owns 38%

#### **Coherent strategy**

- Progress Ammaroo project through bankable feasibility, environmental approvals and native title for a moderate rock concentrate start-up. Fully funded to complete this work.
- Sustain SOP portfolio with a particular focus on the Lake Amadeus/Karinga area of the Central Australian Ground Water Discharge Zone and Lake Frome in South Australia
- > Continue to assess viability of silica for production of valuable High Purity Quartz
- Continue to engage global and regional fertiliser industry participants, with the intention of entering into an industry partnerships to underpin project development