



Arafura Resource Limited

Investor Presentation

Alistair J Stephens
Managing Director

March 2008



Arafura Resources

Important Notice

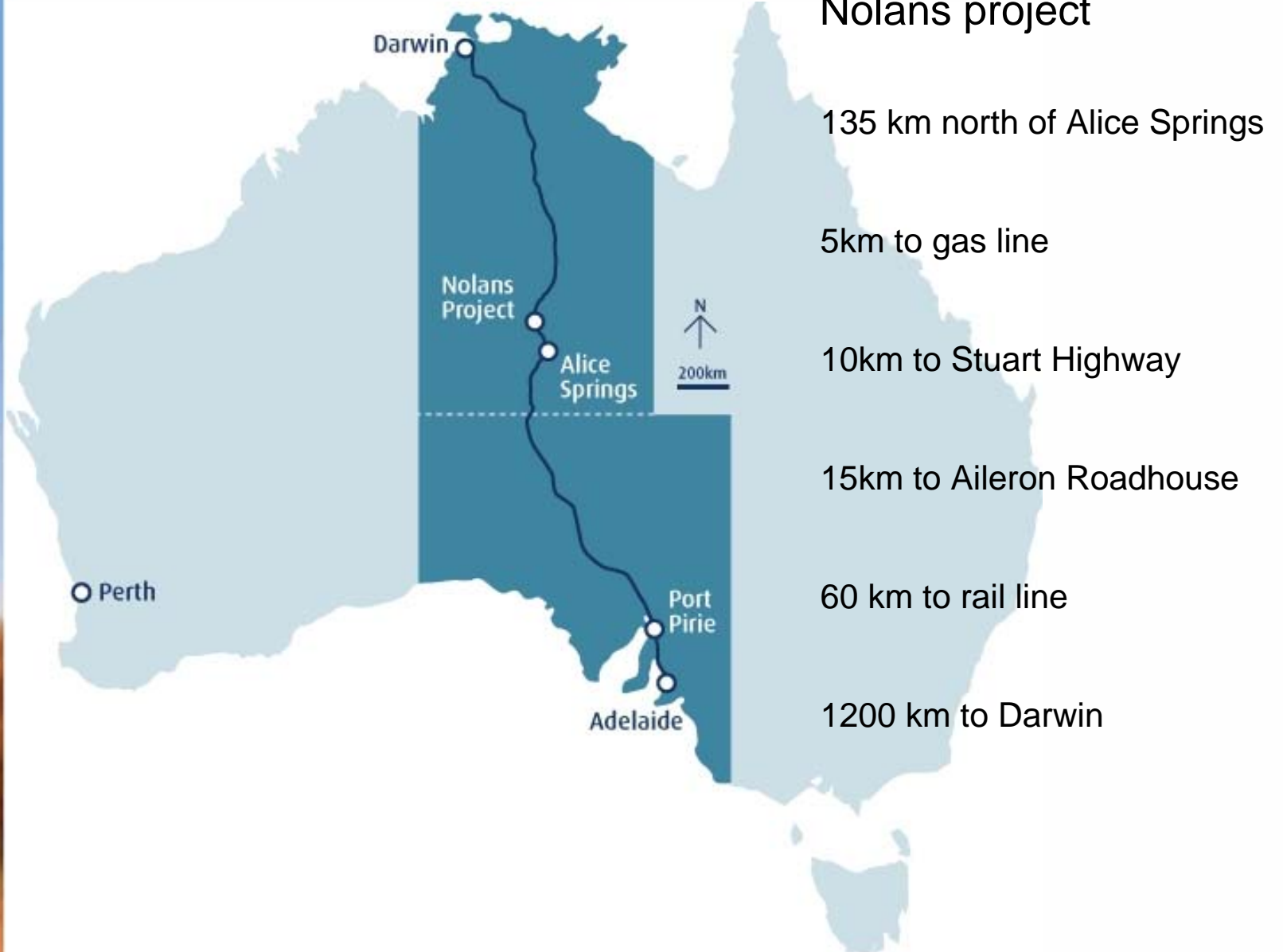
This presentation contains certain statements which may constitute "forward-looking statements". Such statements are only predictions and are subject to inherent risks and uncertainties which could cause actual values, results, performance achievements to differ materially from those expressed, implied or projected in any forward-looking statements.

No representation or warranty, express or implied, is made by Arafura Resources that the material contained in this presentation will be achieved or prove to be correct. Except for statutory liability which cannot be excluded, each of Arafura Resources, its officers, employees and advisers expressly disclaims any responsibility for the accuracy or completeness of the material contained in this presentation and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this presentation or any error or omission there from. Arafura Resources accepts no responsibility to update any person regarding any inaccuracy, omission or change in information in this presentation or any other information made available to a person nor any obligation to furnish the person with any further information.

The presentation may contain images of indigenous people that may be considered culturally sensitive.



Nolans project location





Nolans Resource

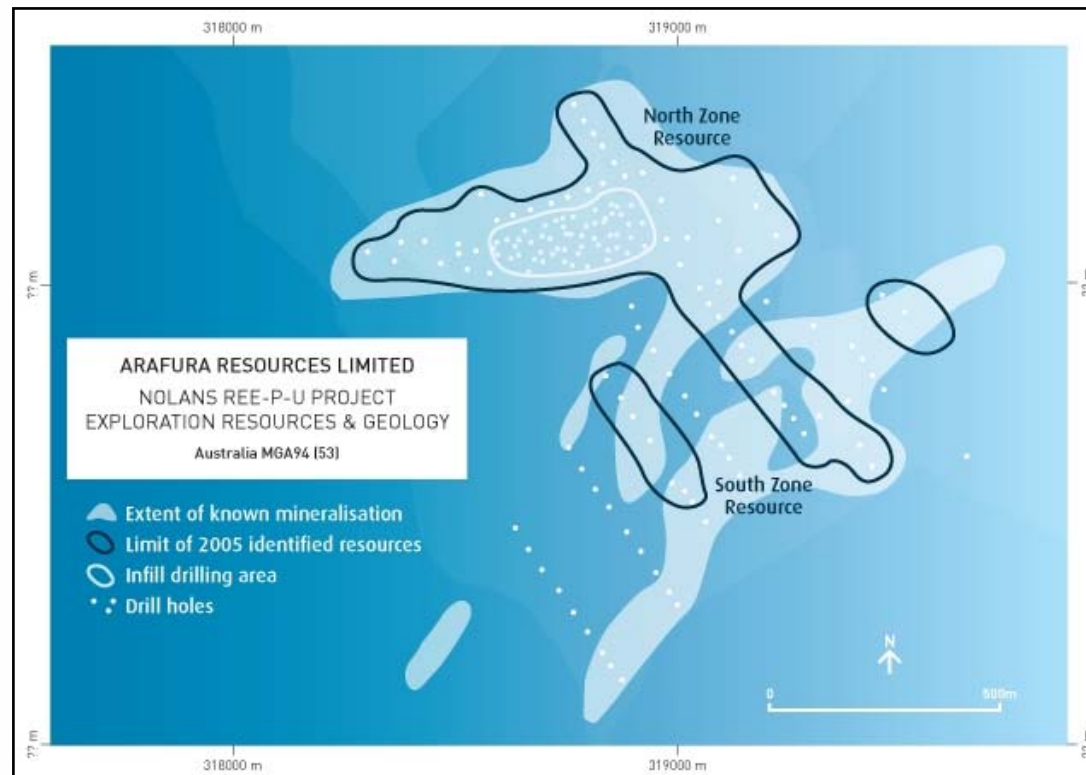
18.6 mt of indicated & Inferred resources - JORC standard

577,000 tonnes REO (3.1%) and 2.1mt P₂O₅ (14%)

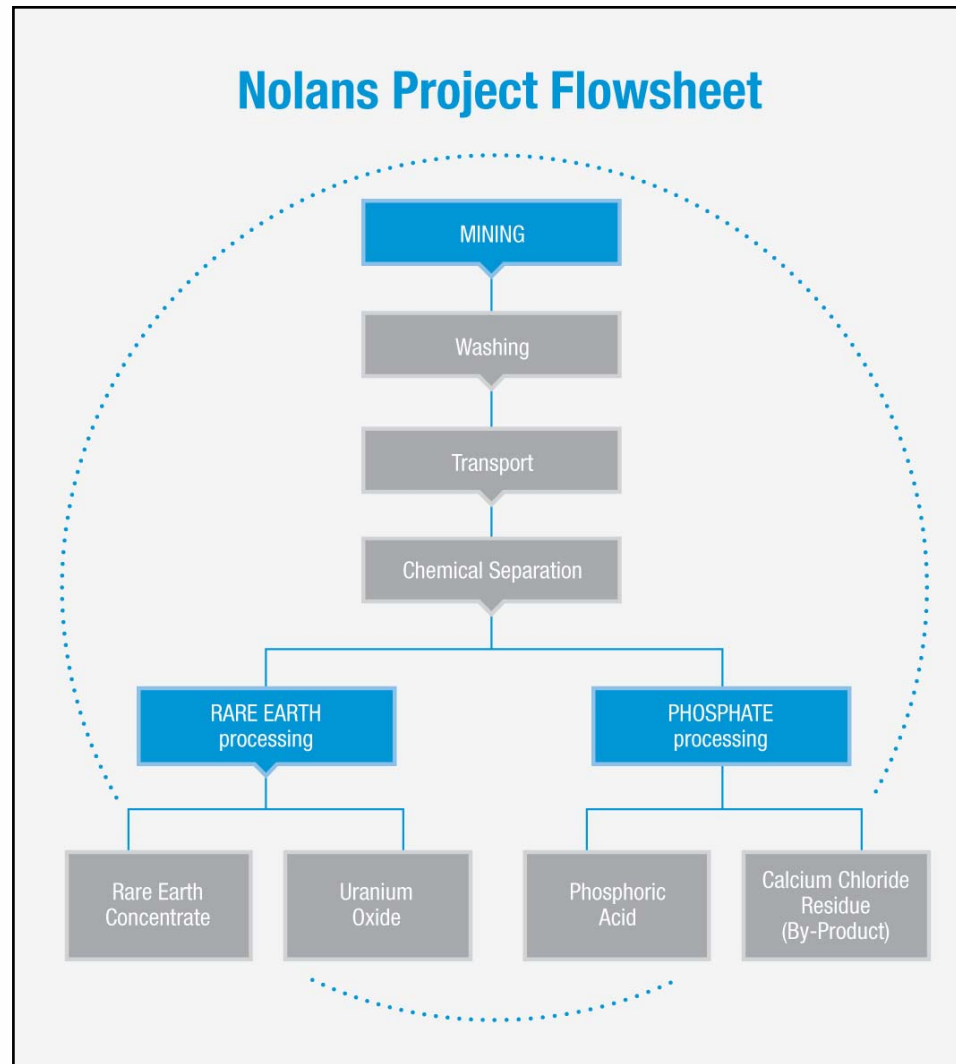
Only drilled to 100m below surface – open at depth

Current drilling looking for the lateral closure – still open along strike

Is exposed at surface – no expensive pre-stripping



Nolans project flowsheet



Heavy media separation (HMS)



2007 test work returned positive results

- 30% rejection of waste and 95% recovery of REO and Phosphate
- Upgrades the resource from 3.1% REO to a process feed grade of 4.2%

Pilot plant trials currently 50% complete

- Initial results are replicating 2007 test work
- Material currently in transit to ANSTO for chemical processing
- Additional trials underway to improve waste rejection – looks promising
- An efficient method to reject waste and increase feed grade very cheaply



Nolans capital costs

PFS Capital costs accurate to ±30%		
Equipment costs ±30%		AUD\$ million
	Mine site capital costs	
	- mine, HMS and site offices	75
	Processing plant*	215
	<i>Total</i>	<i>290</i>
Direct costs ±30%		
	Civil, concrete, pipes, electrical etc	160
Indirect costs ±30%		
	EPCM	90
	First fill and working capital	90
Sub total plant costs ±30%		630
Project contingency		120
TOTAL CAPITAL ESTIMATE ±30%		750

*includes all grinding, leaching, phosphoric acid, rare earths (to 99% separated product) calcium chloride and uranium plant – based on Australian built & manufactured plant



Nolans operating costs

PFS Operating costs accurate to $\pm 30\%$	
	AUD\$ million per annum
Administration, mining and transport, and labour	50
Chemicals	150
Power and maintenance	50
Sub-total operating costs	250
Transport of imported chemicals	100

Excludes royalties or corporate costs

Several chemical manufacturers have expressed strong interest in building and operating chlor-alkali and sulphuric acid plants on site that will eliminate transportation costs of imported chemicals



Nolans revenues – at March 2008

	Production per annum (tonnes)	Current price (\$US)	Total revenue US\$ million
Rare earths	20,000	*15,000/tonne	300
Phosphoric acid	150,000	1,000/tonne	150
Calcium chloride	400,000	100/tonne	40
Uranium	150	75/lb	25
Total revenue			US\$515
Total Revenue at USD:AUD 0.90			AUD\$570
Less operating expenses (excluding transport costs)			AUD\$250
Gross Margin			AUD\$320
Revenue over 20 years undiscounted AUD\$11.5 billion			

*based on Nolans mix of rare earths



Project timeline

Project Schedule

Activity	2008	2009	2010	2011	2012	2013
Submit NOI Mine	█					
Studies for Mine approval	█	█				
Mine approval		█				
Pilot Plant Studies	█					
Definitive Feasibility Study		█	█			
Process Plant Approval		█	█			
Pre-ordering & Construction			█	█	█	
Production 50%				█		
Production 75%					█	
Production 100%						█



Nolans opportunities

Increase in resources

Drilling has identified more mineralisation yet to be classified as resources

Strategy = resources available for future production expansion to meet market growth

Heavy media separation optimisation

Improve waste rejection, optimise feed grade, & has cheap operating costs

Strategy = to reduce downstream operating and capital costs

Pilot plant

To optimise the process in continuous conditions

Capital costs

Seek overseas manufacture of some components to reduce capital costs

BFS will refine capital estimates to $\pm 10\%$

Operating costs

Onsite chemical manufacture will reduce transport costs by \$100m

Engagement started with sulphuric acid and chlor-alkali plant operators

Revenues

The rare earth and phosphoric acid markets continue to grow strongly

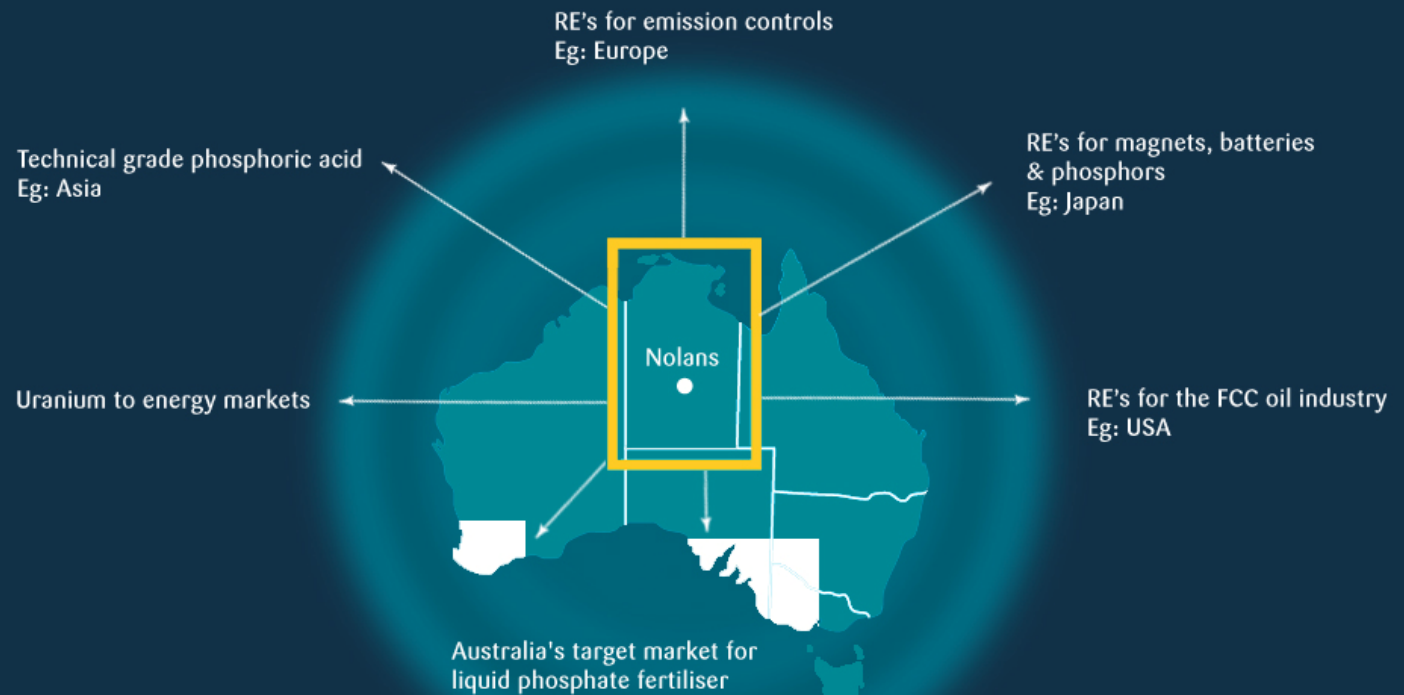


Nolans markets



OUR MARKETS

RESOURCES FOR THE FUTURE





ENERGY PRODUCTION



Petroleum Refining

Lanthanum oxide is used in petroleum cracking catalysts in the oil refining industry.



High-powered Electric Motors

Neodymium, Dysprosium and Terbium are used in the strongest permanent magnets known. Electric motors use these magnets to achieve superior output in power generation from wind.



New Generation Vehicles

Lanthanum is also used as a catalyst in hydrogen fuel cell technology.



ENERGY REDUCTION



UV Filters in Glass

Cerium added to glass is a filter of ultra-violet radiation used in many vehicles.



Reducing Fuel Consumption

Neodymium is used in the electric motors in hybrid cars, which reduces fuel consumption.



Lighter - Faster

Rare earths used in vehicles improve performance and lowers car weight resulting in reduced fuel consumption.



ENERGY EFFICIENCY



New Generation Vehicles

Neodymium and Samarium are used in the strongest permanent magnets known. Electric motors in hybrid cars use these magnets to achieve superior output and torque.



Rechargeable Batteries

Lanthanum is a key component in the rechargeable NiMH batteries used in hybrid cars.



Energy Efficient Lighting

Praseodymium and Europium are key elements in rare earths used in energy efficient lighting.



LIFESTYLE



Colour Screen LCDs/PDPs

Europium, Terbium and Yttrium are used as phosphors in electronic screens.



Components to Hardware

Neodymium permanent magnets and other rare earths are used in computer hard disk drives.



Medical Services

Rare earths are essential components in MRIs.



Autocatalysts

Mixed rare earth oxides are used in environmental catalysts including exhaust converters, chemical scrubbers and other gaseous products and waste streams.



Nolans market opportunities

Rare earths are in demand

1. Chemical catalysts

Market outlook moderately strong at 5% to 10% per annum

2. Magnets

Strong growth in the hybrid car market – wind power is the sleeper

Current production of NdFeB = 50,000t to double to 100,000t by 2010

Market growth currently 15% to 20% per year

3. Phosphorescence

Strong outlook in the plasma panel market

Demand growing at 40% per annum

Phosphoric acid

Agricultural productivity - the World's need for more protein

Biofuel market - growing rapidly in volume, strength and reputation

Calcium chloride

Australia's need to reduce water wastage in mining & industry



Nolans project flow-on benefits

Regional

A stronger resources sector in the Northern Territory

Indigenous benefits and regional business opportunities

National

Synergies with chemical production – growing on gas

Helping Australia to climate ready the world

Global

Fostering products for sustainable energy

fostering efficient energy use - lights

fostering energy innovation – hybrid cars, wind farms

fostering innovating change in our lifestyle – smaller, faster, cleaner



Nolans funding strategy - options

Arafura key stone investor(s)

1. Strategic equity holders to assist in attracting further investment

Nolans Joint Venture

1. A partner to support the Bankable Feasibility Study
2. Looking for a significant contribution to capital in return for a guaranteed off-take

Debt financing

1. Structuring finance (eg: up to 30% debt)
2. Several approaches to Arafura indicate that some overseas banking facilities will finance nationally strategic projects at favourable rates – Rare Earths & Nolans fits this criteria.

Forward sales

1. Can we forward sell \$100m or more of uranium by-product?
2. Strong demand and several informal approaches have already been made

Equity

1. To minimise shareholder dilution for strong returns
2. Looking to keep the register below 300m shares



Arafura Resource Limited

Investor Presentation

Alistair J Stephens
Managing Director

March 2008

end