

Benchmark Cathodes 2018



Australia's next lithium producer

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There is a low level of geological confidence associated with the inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated mineral resources or that the production target itself will be realised.

Important and Cautionary Notes



Cautionary Statement:

The PFS results are based upon the updated Grants Mineral Resource of 8 May 2018 (ASX announcement 8 May 2018). The Mineral Resource contains Indicated and Inferred material (see Table 5 in section 3.1 below – 37% Inferred material and 63% Indicated material) and does not contain any material in the Measured classification. Whilst there is sufficient Indicated Mineral Resources to complete the production schedule during the 12-month payback period, there is a reliance on Inferred Mineral Resources for the full PFS schedule. There is a low level of geological confidence associated with the inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated Mineral Resources or that the production target itself will be realised. The inferred Mineral Resource is not the determining factor in determining the viability of the Finniss Lithium Project as the inferred Mineral Resource represents 14% of the production during the 12 month pay-back period. The PFS has targeted a well-defined mineralised pegmatite envelope where it is considered that there are reasonable grounds for the conversion of Inferred to Indicated or Measured Resource status. Which will then reasonably allow the production target to be achieved in both the grade and size which has been outlined in this PFS. This PFS development option considers the Grants Mineral Resource alone. The PFS does not rely upon additional Mineral Resources from the company's other prospects. Further drilling in 2018 is expected to improve the classification of all of the company's Mineral Resources.

Competent Person Statements:

Core confirms that it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimates in the announcements "Grants Lithium Resource Increased by 42% ahead of DFS" dated 22 October 2018 and "Maiden Resource Estimate at BP33" dated 23 May 2018 continue to apply and have not materially changed. The Mineral Resources underpinning the production target have been prepared by a Competent Person in accordance with the requirements of the JORC code. Core confirms that it is not aware of any new information or data that materially affects the Exploration Results included in this announcement as cross referenced in the body of this announcement. Core confirms that all material assumptions underpinning production target and forecast financial information derived from the product target announced on 25 June 2018 continue to apply and have not materially changed.

Forward-looking Statements:

This release contains "forward-looking information" that is based on the Company's expectations, estimates and projections as of the date on which the statements were made. This forward-looking information includes, among other things, statements with respect to the pre-feasibility and feasibility studies, the Company's business strategy, plan, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, Mineral Resources, results of exploration and relations expenses. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'anticipate', 'project', 'target', 'likely', 'believe', 'estimate', 'expect', 'intend', 'may', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this news release are cautioned that such statements are only predictions, and that the Company's actual future results or performance may be materially different. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information. Forward-looking information is developed based on assumptions about such risks, uncertainties and other factors set out herein, including but not limited to general business, economic, competitive, political and social uncertainties; the actual results of current exploration activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future prices of scandium and other metals; possible variations of ore grade or recovery rates; failure of plant, equipment or processes to operate as anticipated; accident, labour disputes and other risks of the mining industry; and delays in obtaining governmental approvals or financing or in the completion of development or construction activities. This list is not exhaustive of the factors that may affect our forward-looking information. These and other factors should be considered carefully, and readers should not place undue reliance on such forward-looking information. The Company disclaims any intent or obligations to or revise any forward-looking statements whether as a result of new information, estimates, or options, future events or results or otherwise, unless required to do so by law. Statements regarding plans with respect to the Company's mineral properties may contain forward-looking statements in relation to future matters that can be only made where the Company has a reasonable basis for making those statements.

Currency:

Unless otherwise stated, all cashflows are in Australian dollars, are undiscounted and are not subject to inflation/escalation factors, and all years are calendar years.

Accuracy:

The PFS has been prepared to an overall level of accuracy of approximately -15% to +25%.

On a pathway to production

01

Lithium rich province

The Bynoe Pegmatite Field is located
<100km from Darwin

04

Best logistics chain

Excellent infrastructure and
located close to Asian customers

02

Low risk

Conventional open pit mining with
simple metallurgy

05

Funding secured

US\$20m from Yahua and US\$35m*
pre-payment from Ruifu

03

Excellent economics

High margins and rapid payback on
investment

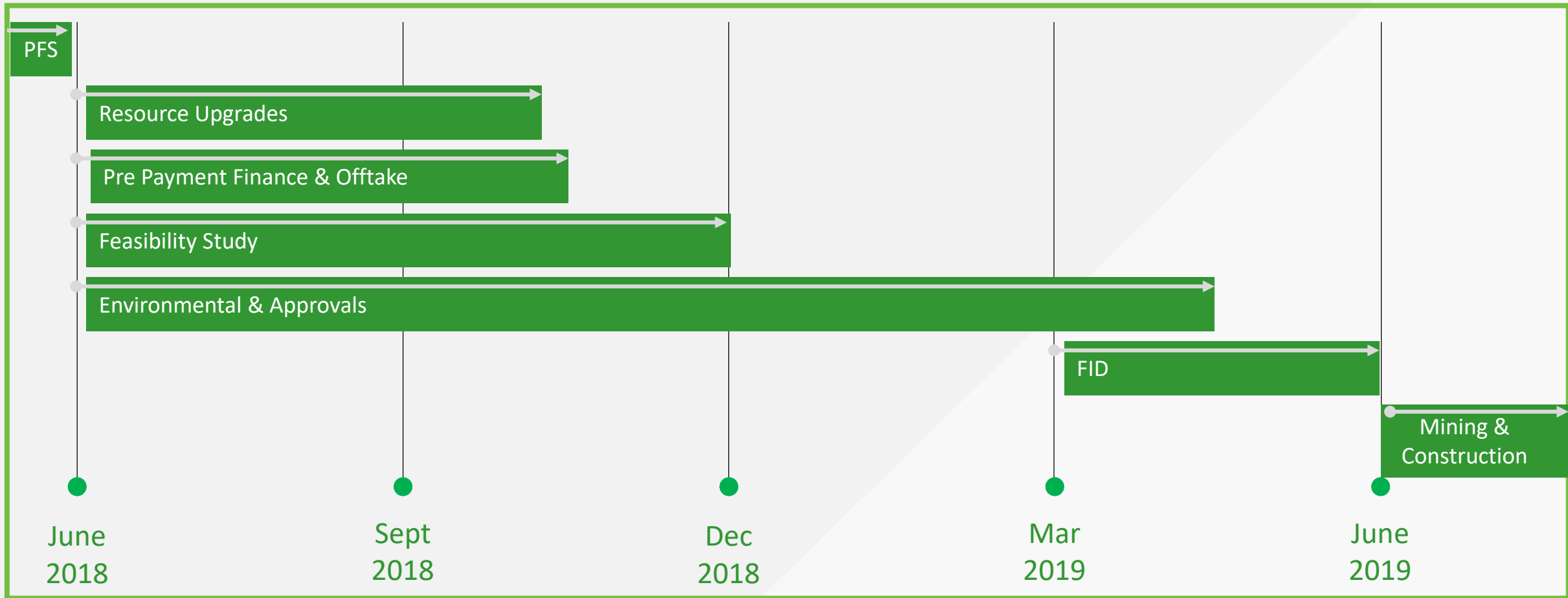
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DFS by end 2018

Following positive PFS, DFS underway
for completion by end 2018



Countdown to production



Pre-Feasibility Study Outcomes

The **Pre-Feasibility Study** only modelled the development of the Grants deposit. The BFS includes BP33 as well as new drilling information.



Strong cashflow

\$168 million generated over initial 26 mine project life



Rapid payback

Project payback of less than 12 months



Excellent NPV

\$140 million pre-tax NPV₁₀



Low capital cost

\$53.5 million for mine development, process plant and infrastructure



High rate of return

142% IRR shows high profitability for shareholders



Low operating cost

US\$279/t concentrate delivers 57% operating margin





Definitive Feasibility Study

The Definitive Feasibility Study is on track for completion at the end of 2018, with the inclusion of the BP33 deposit and recent drilling results.

The DFS is being modelled with the following features:

- Increased resources
- Increased concentrate grade and optimised recovery
- Increased offtake commitment
- Increased prepayment (customer) finance

Binding US\$20 million prepayment facility and offtake agreement with Yahua and recent non-binding agreement for US\$35 million pre-payment and concentrate with Ruifu (announced post-PFS)

Potential to grow Resource base across a number of high grade prospects



Strategic location

The **Finniss Lithium Project** is located less than 100km by road from the Port of Darwin, allowing fast and reliable transport outcomes for delivering product to Asian customers.

Corporate Information



Shares

Price A\$	~\$0.05
Shares on issue	~633.8M
Market cap	~\$32M
Cash (30/6/2018)	~\$8M
Enterprise Value	~\$24M

Directors

Stephen Biggins

Managing Director ex SAU, IVR

Greg English

Non-Executive Chairman AXE, LCK

Heath Hellewell

Non-Executive Director CMM, DKM, ex DRM

Management

Blair Duncan

General Manager Development

Dr David Rawlings

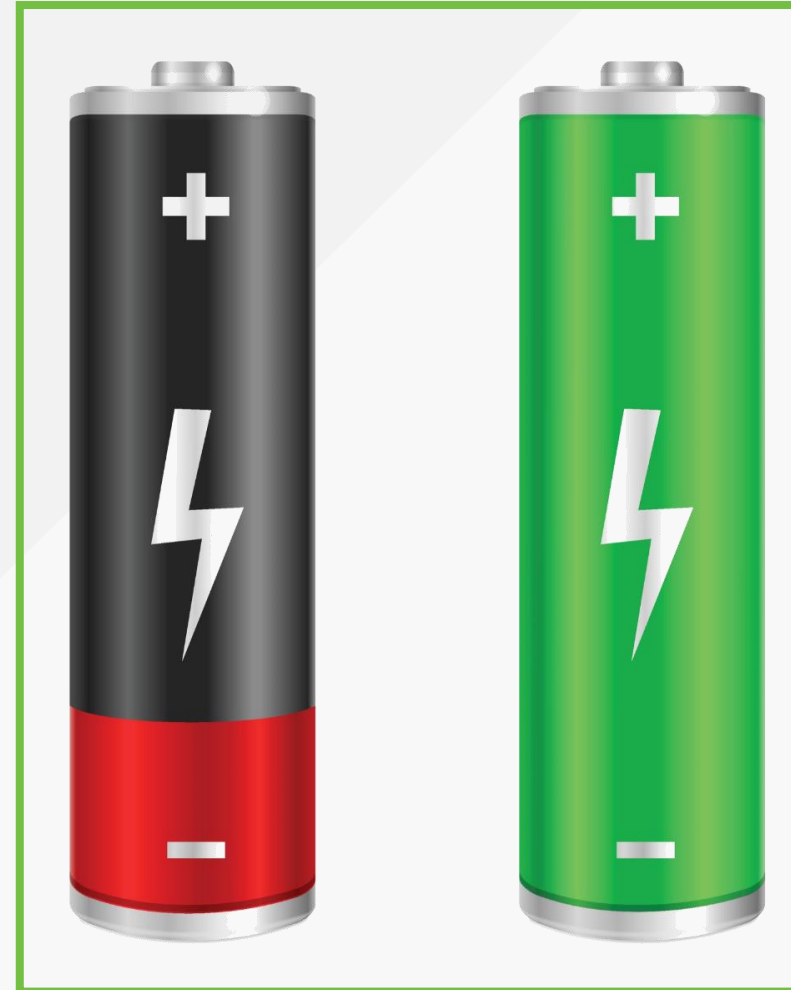
Exploration Manager

Erik Palmbachs

Chief Financial Officer

Jarek Kopias

Company Secretary



Finniss Lithium Project

The Finniss Lithium Project has potentially the best logistics chain to Asia of any Australian lithium project.



High grade

One of the highest grade lithium projects in Australia



Large tenement area

Over 500km² with over 100 historic pegmatite occurrences



Excellent infrastructure

Close to grid power, gas and rail infrastructure



Widespread pegmatites

Wide intersections at multiple prospects



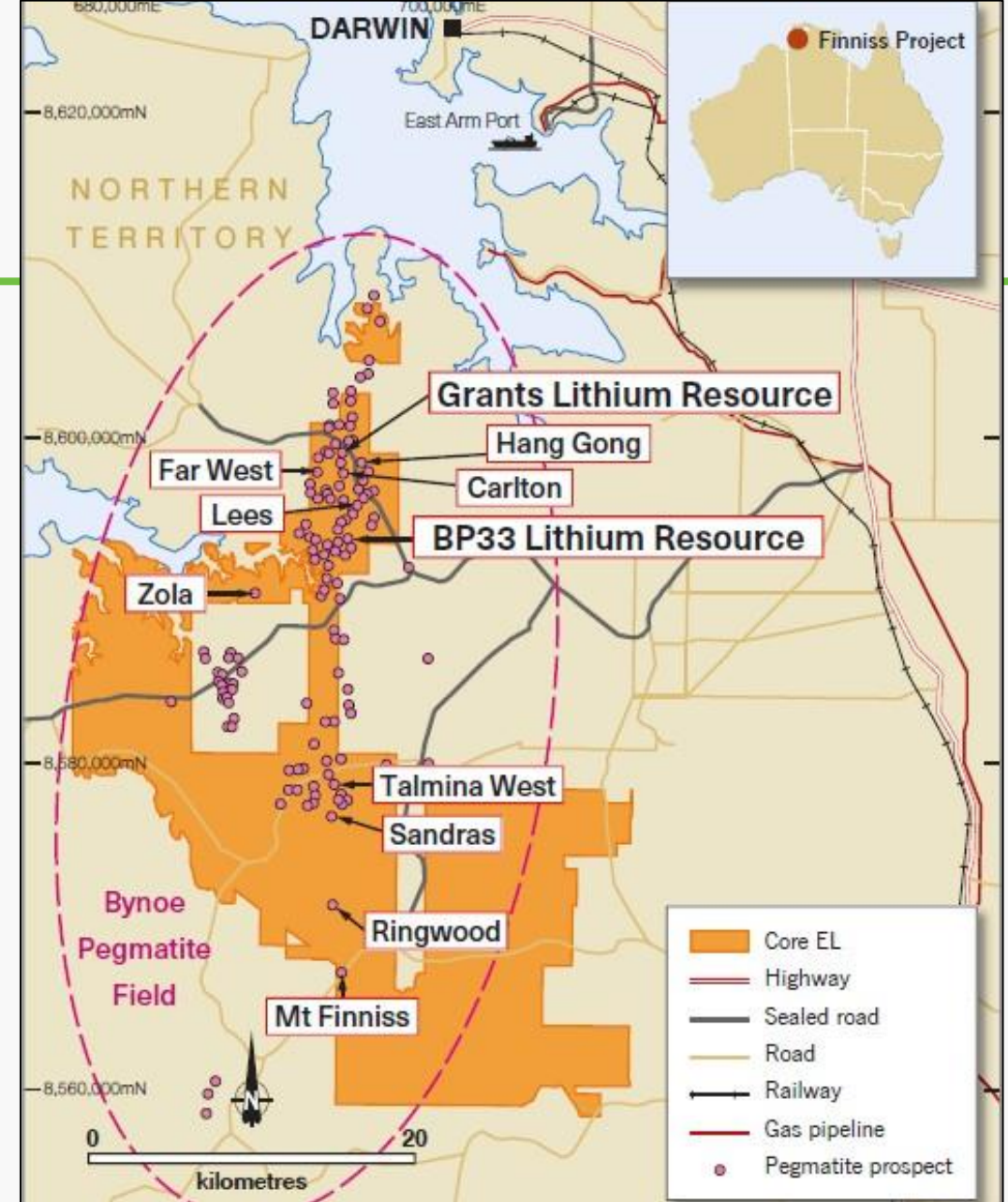
Sealed access road

88km sealed road from mine to port = low cost transport route



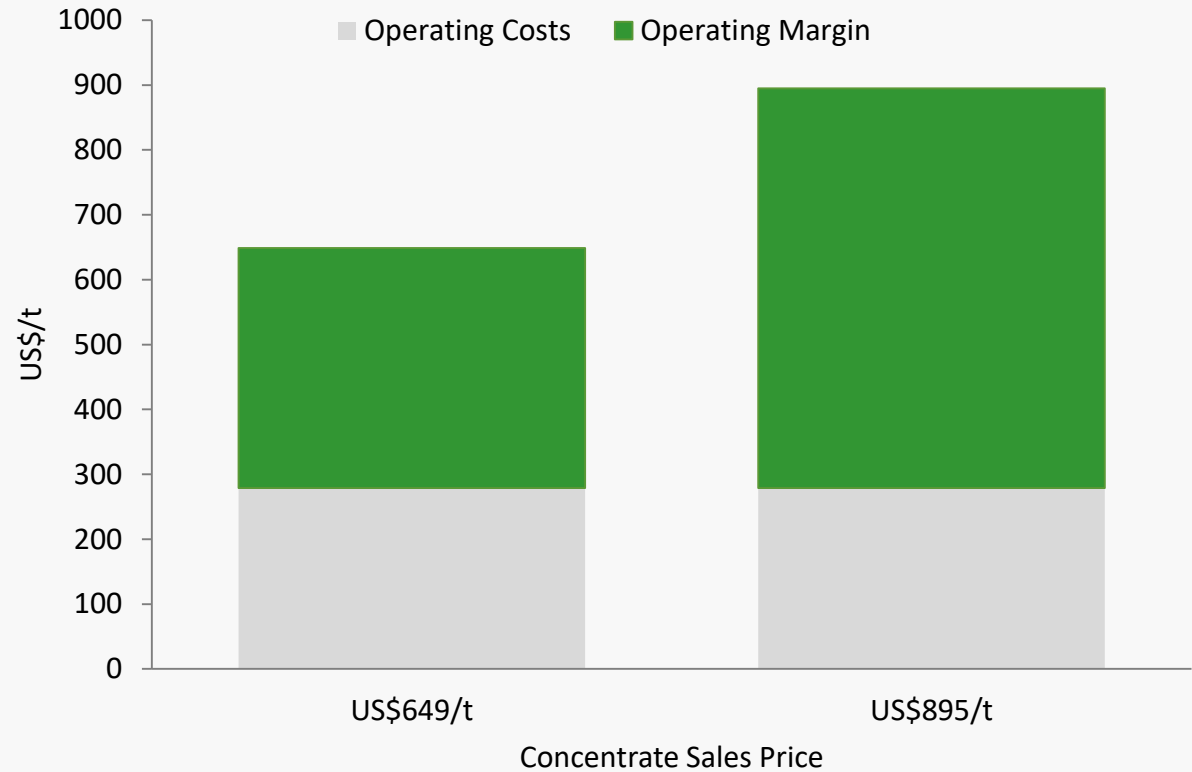
Upside potential

Significant potential to materially increase Mineral Resources



Exceptional economics

Operating Costs	A\$/t	US\$/t ¹
Mining	208.7	156.5
Processing	71.2	53.4
Hauling	11.5	8.6
General & Administration	8.0	6.0
Port Costs	7.5	5.6
Operating Costs (excl. Royalties)	306.9	230.1
Royalties	64.9	48.6
Operating Costs	371.8	278.7



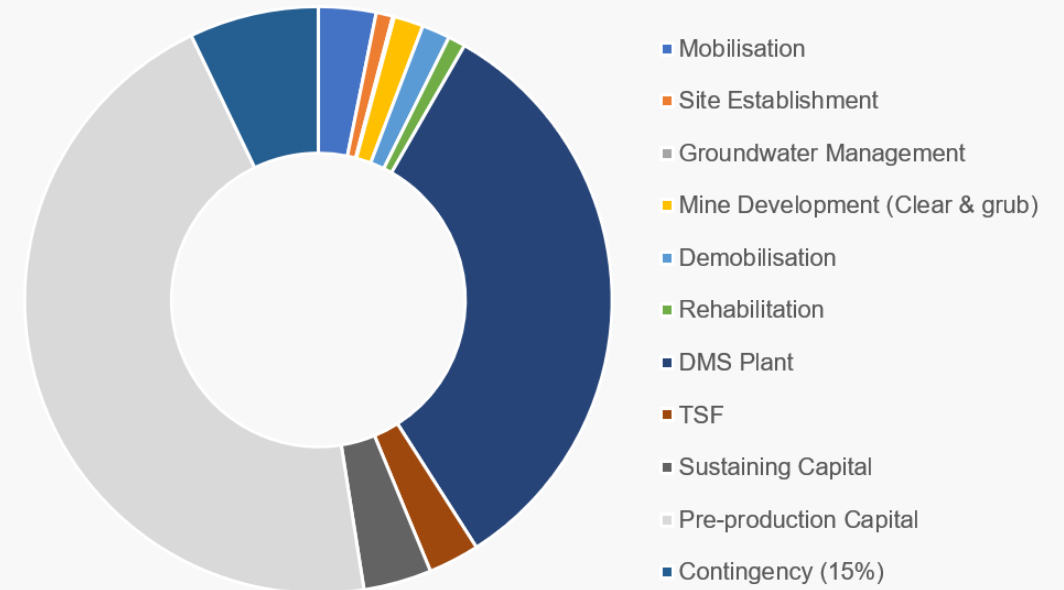
Competitive low operating costs

Strong margins in a range of price environments

Low capital intensity

The **Finniss Lithium Project** is among the least capital intensive lithium projects in Australia.

Capital Costs	AUD M	USD M ¹
Mobilisation	1.7	1.3
Site Establishment	0.5	0.4
Groundwater Management	0.9	0.6
Mine Development (Clear & Grub)	0.8	0.6
Demobilisation	0.5	0.4
DMS Plant	17.4	13.1
TSF	1.5	1.1
Sustaining Capital	2.0	1.5
Pre-production Capital	24.2	18.1
Contingency (15%)	3.8	2.9
Total	53.5	40.0



Proposed site layout

Mining of spodumene containing pegmatite using simple open pit mining methods.

Conventional open pit mining

- Drill & blast
- Excavate, load & haul

Crush and screen circuit

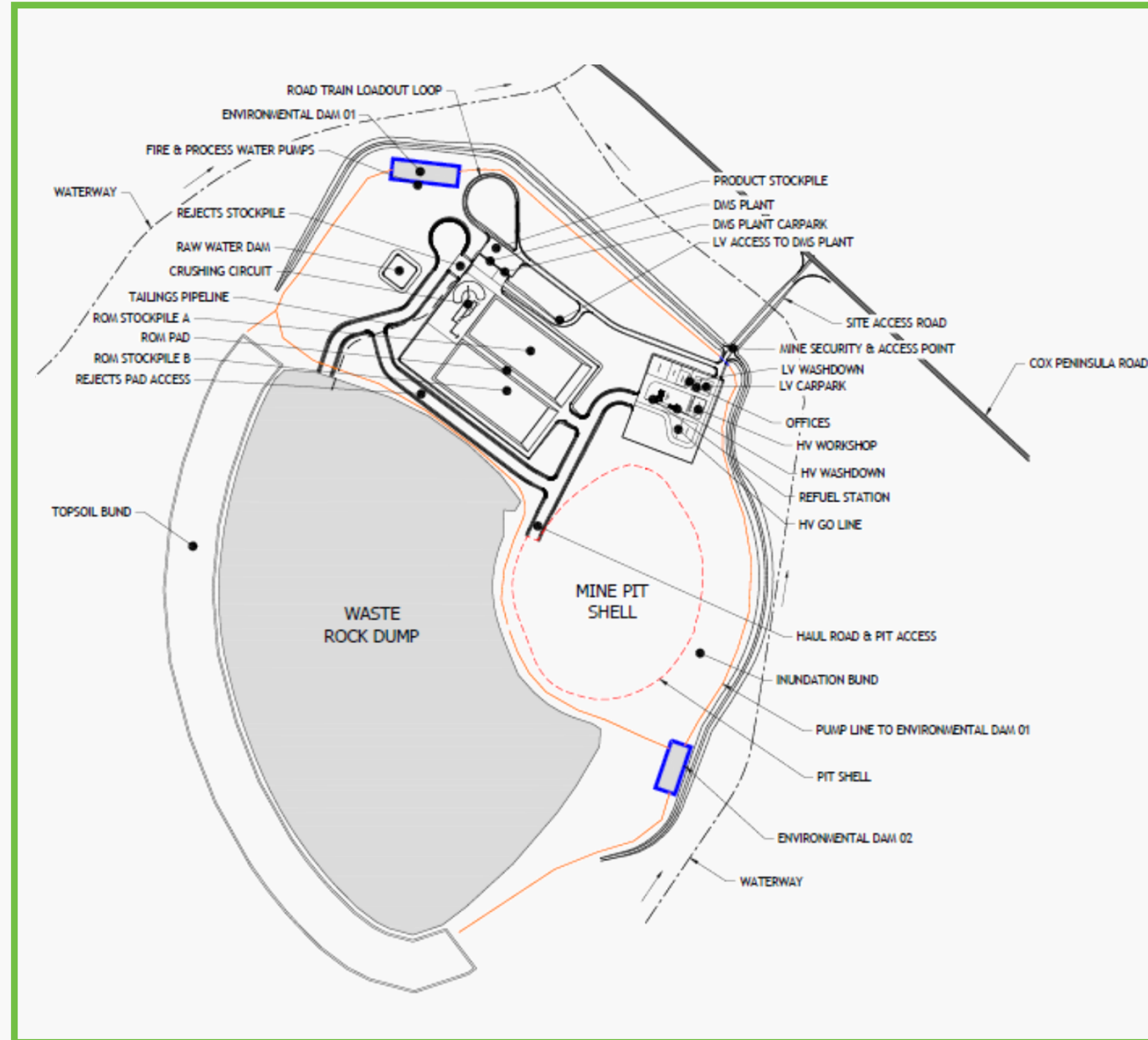
- 3-Stage crush

DMS (gravity separation) plant

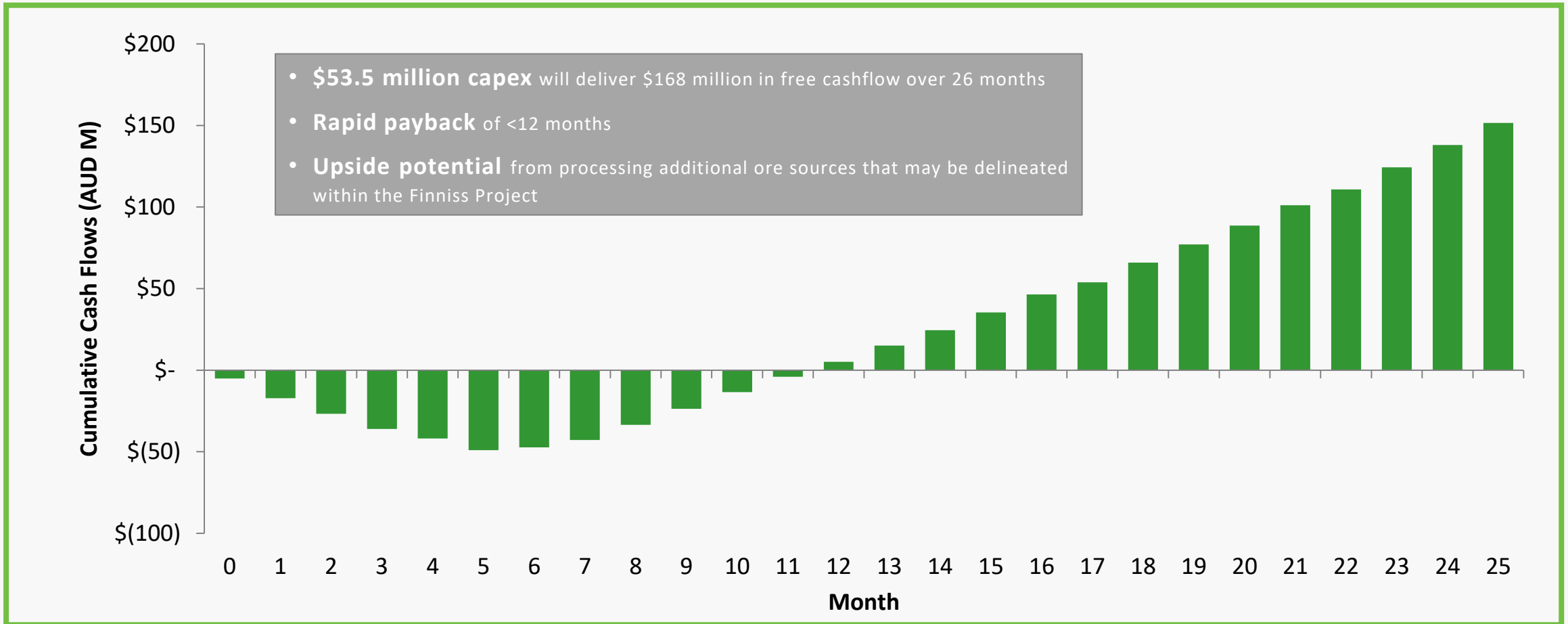
- 5.5 % Li_2O concentrate

Truck to Darwin Port

- 1hr by sealed road

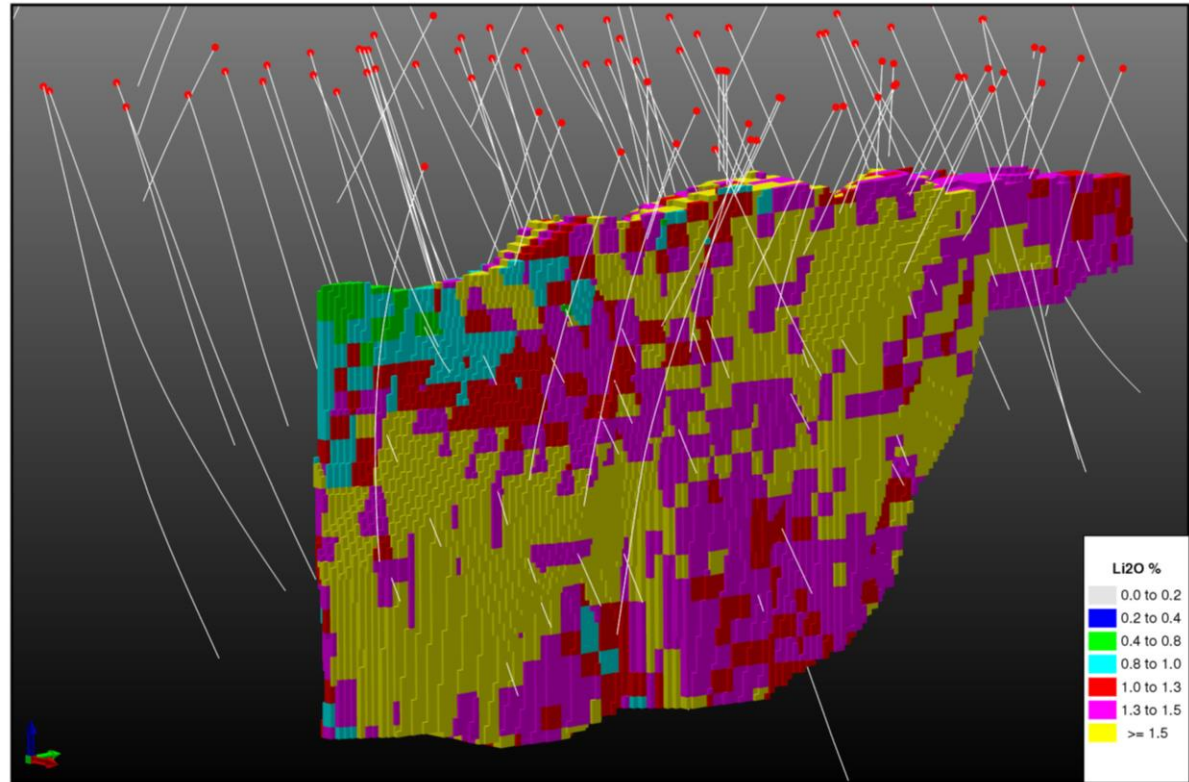


Strong cashflow generation



Definitive Feasibility Study

The Pre-Feasibility Study for Finniss focused solely on the Grants deposit, with BP33 included the Definitive Feasibility Study



Schematic view of Grants, showing high grade resource remain open

- **Upside** - Significant upside potential through addition of other ore sources within the Finniss Project
- **Incremental value** - The incremental value of additional ore sources is very high given no need for additional process plant infrastructure
- **Additional Resources** - BP33 Mineral Resource of 1.4Mt at 1.40% Li₂O represents obvious opportunity for additional mine life
 - Current resource adds 70% to Grants resource
 - BP33 open to south and south-west
 - Similar geology to Grants
 - Most southern intercept in resource 75m at 1.68% Li₂O¹
- **Regional potential** - Other widespread lithium-bearing pegmatites yet to be drilled

Offtake and prepayment - Yahua

Core has signed a binding offtake and US\$20 million pre-payment agreement with Yahua

- **Binding offtake** and pre-payment agreements signed with Yahua (8B yuan market cap)
- **Yahua** is one of China's largest lithium producers
- **Offtake agreement** provides for the supply of 220,000t of lithium concentrate (equivalent of 1 million tonnes of DSO) from Finnis Lithium Project over 5 years
- **US\$20 million conditional prepayment facility**, to be repaid through the supply of future DSO or Li₂O concentrate
- **Targeting first deliveries** from 2019





Offtake and prepayment - Ruifu

Ruifu is one of China's largest lithium hydroxide and carbonate producers

Core has signed a non-binding Term Sheet with Shandong Ruifu Lithium Co Ltd, terms include :

- **Up to 150,000 tonnes** lithium concentrate offtake per year from Core's Finnis Lithium Project
- **US\$35 million conditional pre-payment facility** to be provided by Ruifu
- **Placement** to Ruifu for approximately \$3 million at 5 cents per share, resulting in Ruifu holding a 10% interest in Core
- **Finalisation of Binding agreements** is actively continuing – aiming to be finalised in coming weeks

Metallurgical testwork

New testwork produces a 6.1% Li₂O concentrate at 69% recovery

Recent metallurgical testwork shows a strong improvement in the assumptions (2017) utilised in the PFS, with up to 79% lithium recovery at a grade of 5.5% Li₂O

Overall mass yield of up to 27% of head feed

Gravity only plant to be designed to deliver optimal yield

A DMS circuit can easily produce a 6.1% Li₂O concentrate at good recoveries of 69%

Testwork continuing to optimise recoveries and design in Feasibility Study



Concentrate	PFS	New Results	
Grade (Li₂O)	5.0%	5.5%	6.1%
Recovery	76%	79%	69%

Huge exploration upside

Targeting substantial Mineral Resource growth

Upcoming exploration and aggressive drill programs in 2018 to target growth in the resource base to support a long-life lithium production hub at Finnis Project

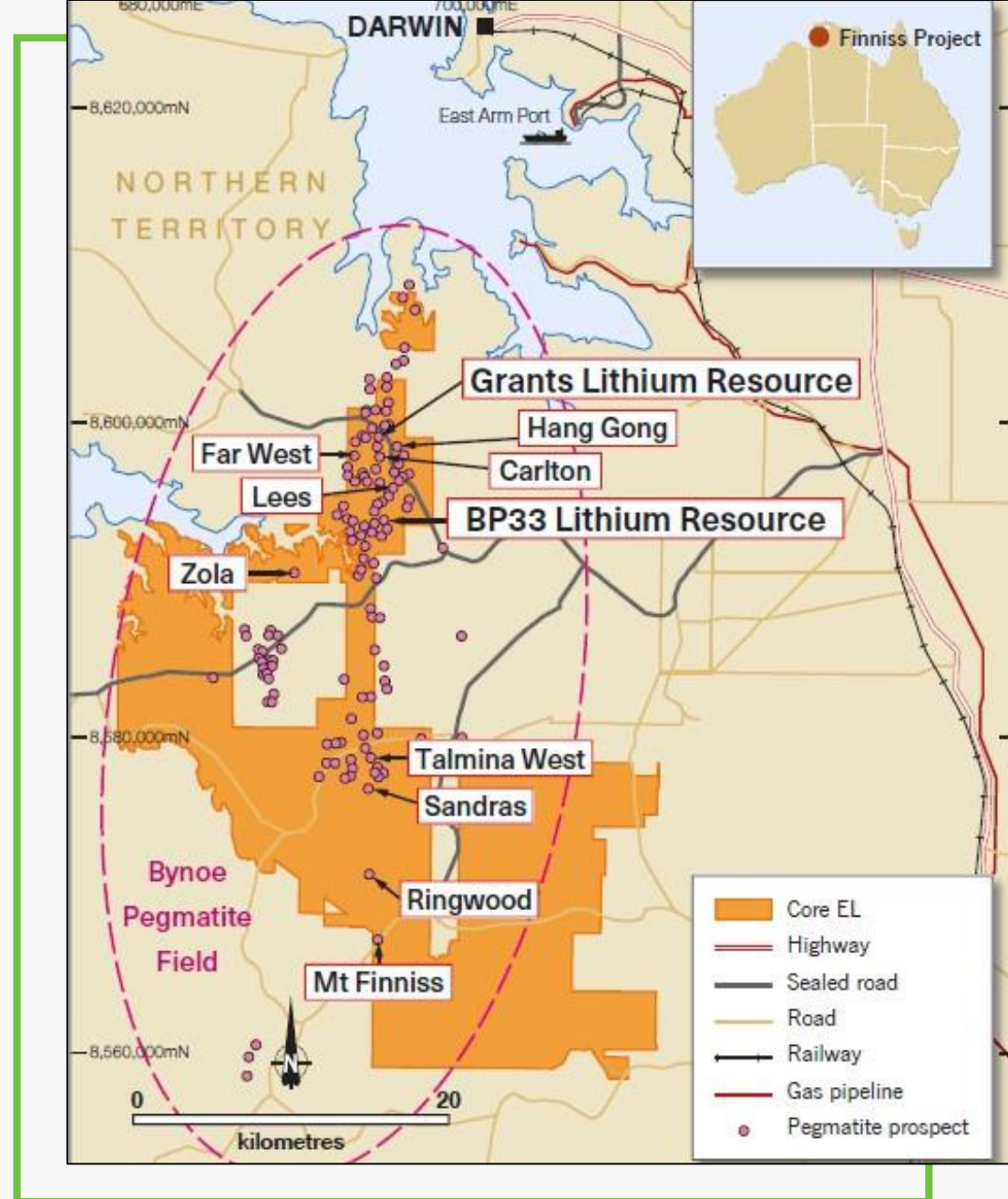
Discoverers - Core's exploration has discovered some of the highest grade lithium in Australia, capable of producing a quality spodumene concentrate

Numerous high grade lithium pegmatite targets already identified

High potential for additional resources from 500km² covering 100s of pegmatites

Three rigs currently drilling at Finnis with 40,000m of drilling to be conducted over 12 months

Drilling results over coming weeks and months leading to multiple Resource increases and upgrades



Grants resource upgrade

42% increase in tonnes at Grants deposit

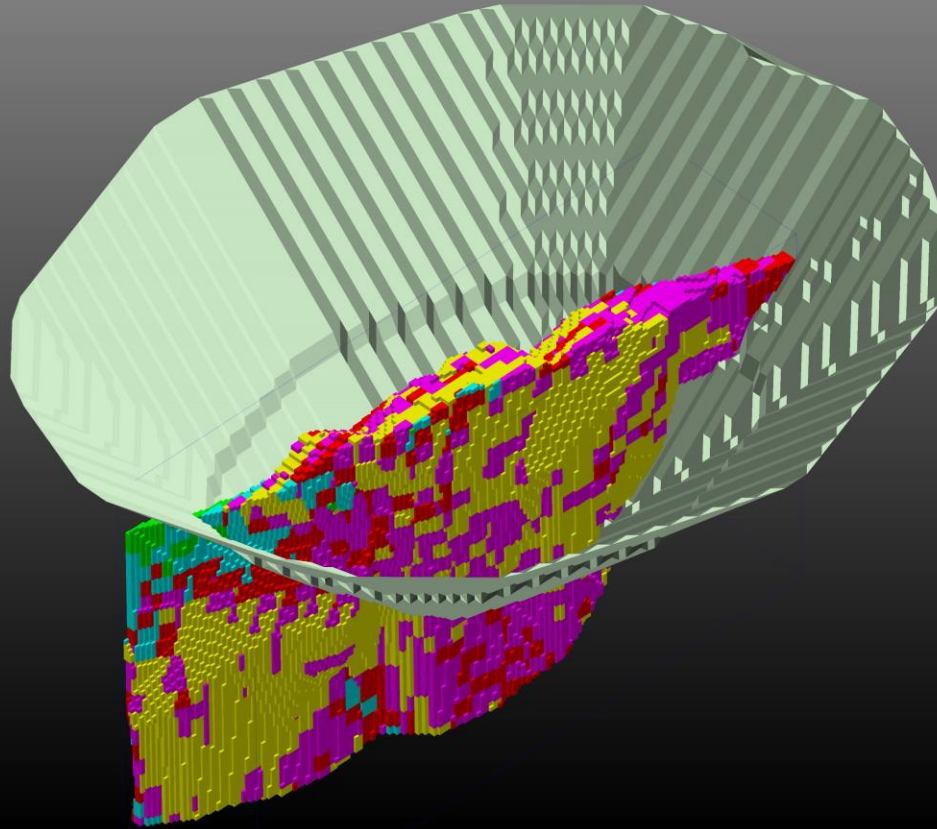
Mineral Resource Estimate for the Grants Deposit - 0.75% Li₂O cut-off

	Oxidation	Tonnes	Li ₂ O %	Li ₂ O Contained Metal (t)
Inferred	Fresh	980,000	1.4	14,000
Indicated	Fresh	820,000	1.5	12,600
Measured	Fresh	1,090,000	1.5	16,100
Total		2,890,000	1.5	42,700

- Multiple new high-grade lithium intersections included in new update:

- 67m @ 1.57% Li₂O from 191m in FRC151
- 45m @ 1.72% Li₂O from 188m in FRC154
- 45m @ 1.72% Li₂O from 142m in FRC159

- Demonstrated potential to further increase the size of the Mineral Resource and mine life at Grants



Schematic view of new Grants Mineral Resource – highlighting additional resources outside of old PFS pit

BP33 – High-grade and expanding

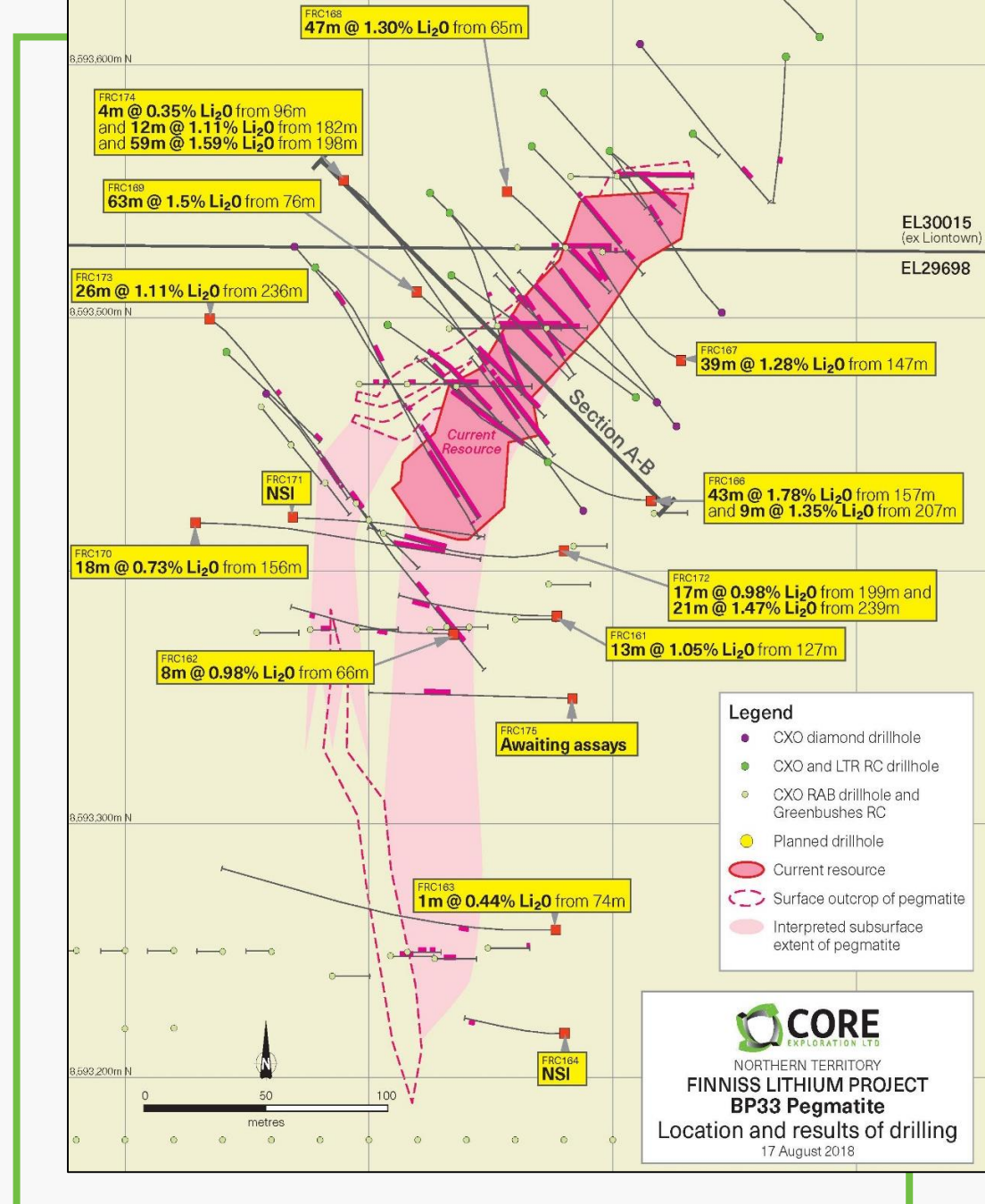
55m at 2.0% Li₂O spodumene pegmatite intersection

Wide and high-grade lithium assays returned from drilling at BP33 prospect delivers spodumene intersection amongst the best in Australia:

- 75m @ 1.68% Li₂O from 210m*:
- Including 55m @ 1.97% Li₂O from 230;
- And 23m @ 2.07% Li₂O from 262m.

Wide spodumene intersections indicate an increased thickness and grade down-plunge

New resource estimate at BP33 in 2-3 weeks



Resource growth potential

New high-grade hits demonstrate potential to grow Mineral Resources

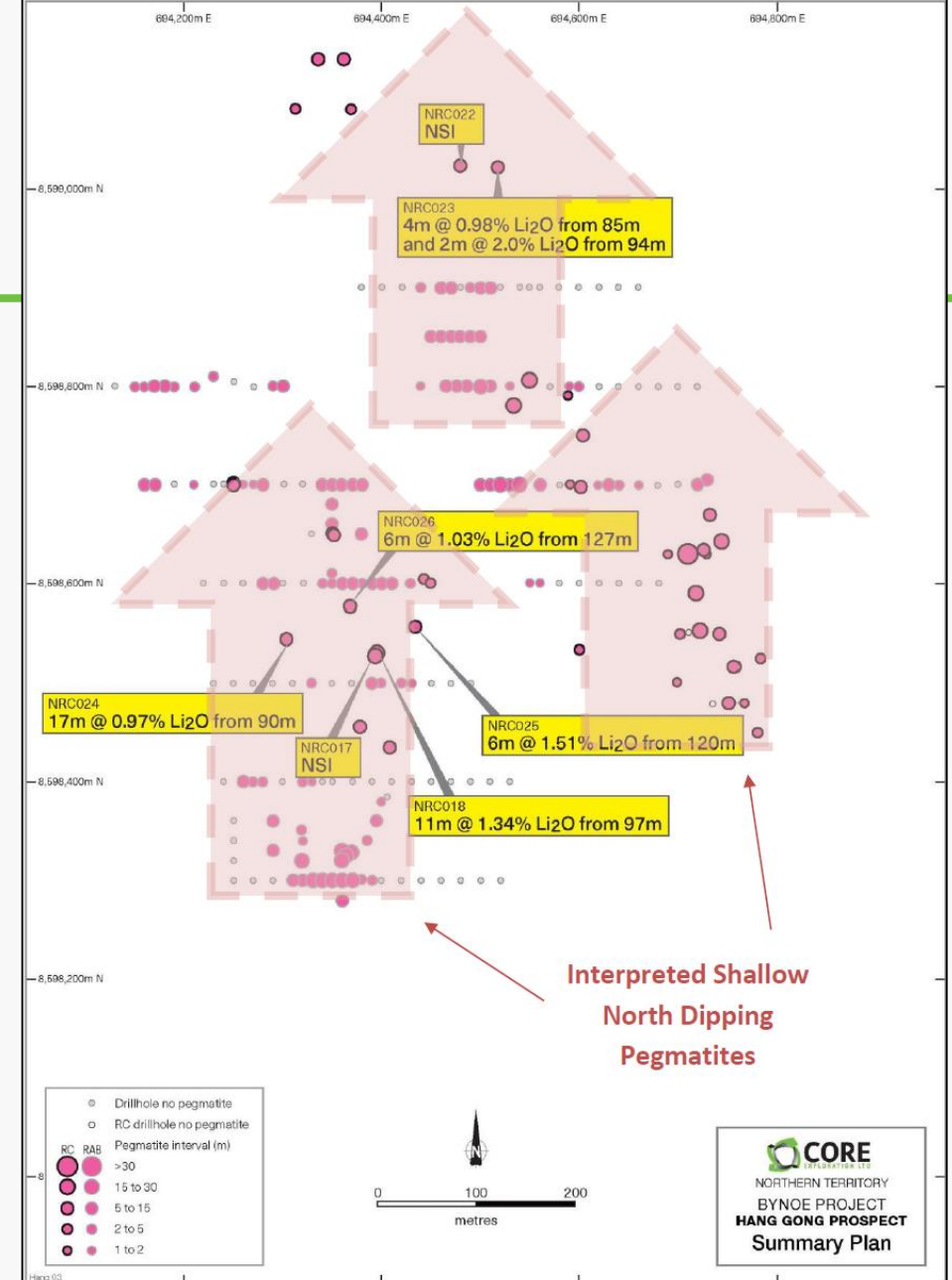
Carlton Prospect – Better intersections include:

- 16m @ 1.79% Li₂O from 84m (NRC015)
- 21m @ 0.89% Li₂O from 113m (NRC027)

Hang Gong drill results highlight potential for shallow-dipping, multiple stacked pegmatites and include:

- 11m @ 1.34% Li₂O from 97m (NRC018)
- 17m @ 0.97% Li₂O from 90m (NRC024)

More to come - Drill results pending from Sandras, Carlton, Booths, Lees, Hang Gong, Talmina, Sabine, etc over coming weeks



Darwin Port

Heads of Agreement signed

Core has agreement with Darwin Port to ship 1Mtpa of spodumene concentrate

Darwin Port is Australia's nearest port to China

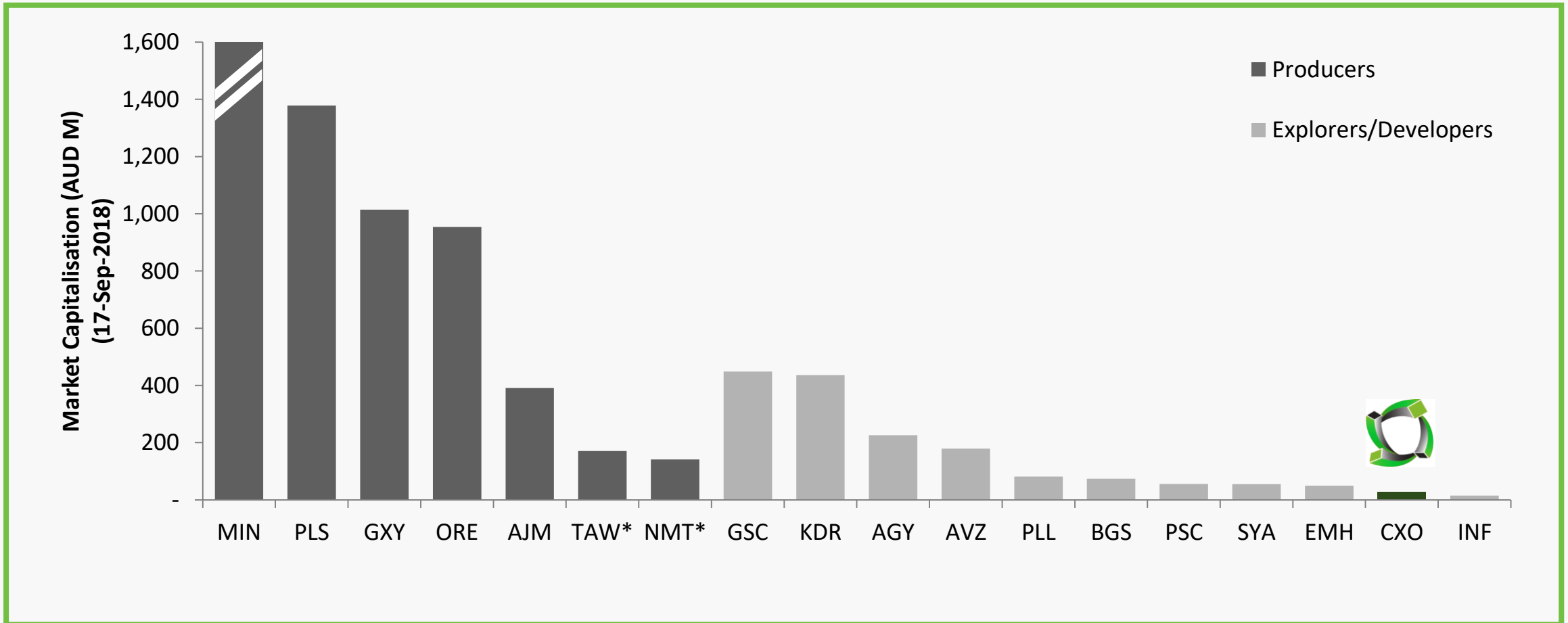
East Arm Wharf facilities at Darwin Port are well suited to handle potential future production from Core's lithium projects

Heads of Agreement signed with Darwin Port in respect of potential export of lithium products from Grants

Agreement provides Core with capacity to export up to either:

- 1 Mtpa of spodumene Direct Shipping Ore (DSO); or
- 250 ktpa of spodumene concentrate

ASX lithium sector comparison



A first quartile project

The Finnis Project ticks all of the right boxes as a high-quality lithium project

1st

High grade

1st quartile grade of
1.5% Li₂O

1st

Low capital intensity

1st quartile \$4,500/tpa
concentrate

1st

Low operating costs

1st quartile C1 opex of
US\$230/t concentrate



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New lithium province

Unlocking the Bynoe Pegmatite Field

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Low risk

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Excellent economics

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Best logistics chain

Excellent infrastructure and located close to Asian customers

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Funding secured

US\$20m from Yahua and US\$35m* pre-payment from Ruifu

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DFS by end 2018

Following positive PFS, DFS underway for completion by end 2018



Thank you

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Cannings Purple

