



Front of the Line New Lithium Production

23 June 2020

mines and **money**
ONLINE CONNECT

corelithium.com.au | ASX CXO



APPROVED

Important and cautionary notes

This document has been prepared by Core Lithium Ltd (“Core”, “Company”) and provided as a basic overview of the tenements held or controlled by the Company. This presentation does not purport to be all-inclusive or to contain all the information that you or any other party may require to evaluate the prospects of the Company.

None of the Company, any of its related bodies corporate or any of their representatives assume any responsibility for, or makes any representation or warranty, express or implied, with respect to the accuracy, reliability or completeness of the information contained in this document and none of those parties have or assume any obligation to provide any additional information or to update this document.

To the fullest extent permitted by law, the Company, its related bodies corporate and their representatives expressly disclaim liability for any loss or damage arising in respect of your reliance on the information contained in this document (including your reliance on the accuracy, completeness or reliability of that information), or any errors in or omissions from this presentation, including any liability arising from negligence.

The mineral tenements of the Company as described in this presentation are at various stages of exploration, and potential investors should understand that mineral exploration and development are high-risk undertakings.

There can be no assurance that exploration of the Tenements, or any other tenements that may be acquired in the future, will result in the discovery of an economic ore deposit. Even if an apparently viable deposit is identified, there is no guarantee that it can be economically exploited.

This document contains statements which may be in the nature of forward-looking statements. No representation or warranty is given, and nothing in this presentation or any other information made available by the Company or any other party should be relied upon as a promise or representation, as to the future condition of the respective businesses and operations of the Company.

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.

Cautionary Statement:

The DFS results are based upon the updated Grants Mineral Resource of 22 October 2018 and the update BP33 Mineral Resource Estimate of 6 November 2018. The Mineral Resource contains Measured, Indicated and Inferred Mineral Resources. Whilst there is sufficient Measured & Indicated Mineral Resources to complete the production schedule during the 17-month payback period. 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 Finnis Project as the Inferred Mineral Resource represents only 4.4% of the production during the 17 month pay-back period in the Reserve Case. The DFS Reserve Case contains 14% Inferred material. The DFS does not rely upon additional Mineral Resources from the company's other prospects. Further drilling in 2019 is expected to improve the classification of all of the company's Mineral Resources.

Important and cautionary notes

Competent Person Statements:

The Mineral Resources and Ore Reserves underpinning the Production Target have been prepared by competent persons in accordance with the requirements of the JORC code. The information in this release that relates to the Estimation and Reporting of Ore Reserves is based on, and fairly represents, information and supporting documents compiled by Mr Blair Duncan. 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 and Ore Reserve estimates in the announcements “Grants Lithium Resource Increased by 42% ahead of DFS” dated 22 October 2018, “Maiden Sandras Mineral Resource Grows Finnis to 6.3Mt” dated 29 November 2018, “Finniss Feasibility Study and Maiden Ore Reserve” dated 17 April 2019, “Initial Resource for Lees Drives Finnis Mineral Resource” dated 6 May 2019 and “Finniss Lithium Resource increased by over 50%” dated 15 June 2020 continue to apply and have not materially changed. Core confirms that it is not aware of any new information or data that materially affects the Exploration Results and Mineral Resources included in this announcement. The information included in this presentation has been obtained from the “Finniss definitive Feasibility Study and Maiden Ore Reserve” announcement dated 17 April 2019 and Core confirms that all material assumptions and technical parameters underpinning the forecast financial information derived from the Ore Reserve and Mineral Resource 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 in real terms (not subject to inflation/escalation factors), and all years are calendar years.

Accuracy:

The DFS has been prepared to an overall level of accuracy of approximately -15% to +15%. This judgement is made following consideration of the basis studies and the features outlined in the Cost Estimation Handbook Second Edition Monograph 27 AusIMM, The Minerals Institute.

Australia's next lithium producer

Core at the front of the line of new global lithium production

Recent Achievements :

- ✓ Regulatory approvals received to commence construction of the Finnis Project
- ✓ First European Offtake with Transamine
- ✓ Over 50% increase to MRE to 15Mt @ 1.3% Li₂O
- ✓ 150% Increase to Indicated and Measured Resources

Highlights going forward:

- New Reserve Statement coming soon
- Advancing discussions with additional offtake and finance partners
- Update to Feasibility Study
- Well capitalised to fund key milestones & construction-ready (subject to FID) 2020

\$40 million Enterprise Value (EV) offers huge upside for Approved, Construction-ready Project with Offtake and 175,000tpa Production



Finniss Lithium Project - Key advantages

Core is developing one of Australia's most capital-efficient and low-cost lithium projects

- High-grade lithium Resources
- 6.0 % Li₂O conc. produced at high lithium recovery +70%
- Simple DMS processing (no flotation)
 - Significantly decreases capex, finance cost, risk and opex
- Low start-up capex (~A\$75M) producing high revenues (~A\$160M-A\$170M/y)
- Production 175,000tpa high-quality lithium concentrate with low iron
- Mine Location 25km from Australia's closest port to Asia and nearby Darwin capital city infrastructure



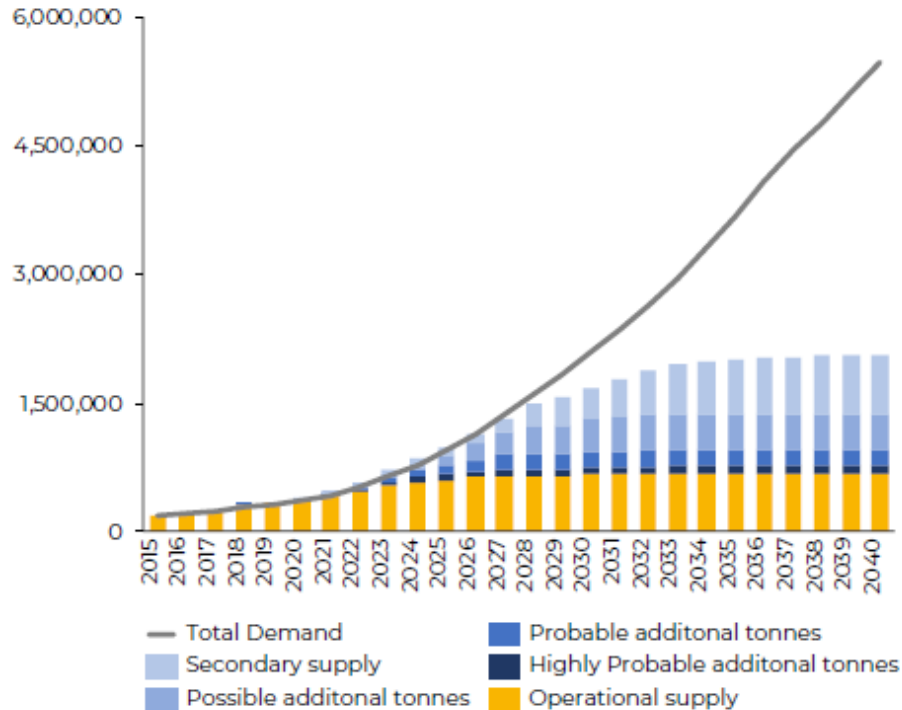
The Finniss Project ticks all the boxes

Medium and long-term lithium demand increasing

Lithium converters and battery and car manufacturers positioning for significant EV sales growth

Lithium Market Balance (tonnes LCE)

Source: Benchmark Mineral Intelligence (Q4 2019)



Tesla secures land for European factory

Jan. 19, 2020 3:26 PM ET | About: Tesla, Inc. (TSLA) | By: Clark Schultz, SA News Editor

DECEMBER 4, 2018

SK Innovation announces new electric vehicle battery gigafactory in the US

Fred Lambert - Dec. 4th 2018 9:18 am ET @FredericLambert

Northvolt-VW announces German gigafactory plan as battery maker signs first ESS contract

Published: 3 Dec 2019,

BMW Group signs €540M supply contract with Ganfeng for lithium from mines in Australia

11 December 2019

BUSINESS KOREA

Since 1983
Korea's Premium Business News Portal

Subsidies Provided to Some EVs with Non-Chinese Batteries

Chinese Government Extends EV Subsidies by 2 Years

By Jung Min-hee | April 2, 2020, 09:26

TECHNOLOGY NEWS | JANUARY 22, 2019 / 4:18 PM / A YEAR AGO

Toyota, Panasonic announce battery venture to expand EV push

Press Release

24 October 2019 – 06:00pm CEST

Umicore announces strategic supply agreement with Samsung SDI for NMC cathode materials

Tesla's China Gigafactory will be the game-changer of 2020, predicts analyst

By Joey Klender

Posted on January 3, 2020

Medium- and long-term demand fundamentals outweigh short-term oversupply

Core Lithium secures first European Offtake

Core Lithium secures first European Offtake – May 2020

- Core has announced a non-binding Memorandum of Understanding (MOU) for Offtake with Geneva-based Transamine
- Transamine and Core have agreed to the supply of 50,000tpa of spodumene concentrate from the Finniss Lithium Project over five years
- Additional option for financing facility with Transamine

Binding Offtake and investment with one of China's largest lithium converters - Yahua

- Binding offtake for 75,000tpa of spodumene representing approx. 40% of Core's 175,000tpa production capacity with Szechuan Yahua
- Core is also in the process of negotiating further offtake and finance agreements with some of Asia's largest lithium consumers and producers



Finniss Lithium Resource increased by over 50%

150% increase to the Measured and Indicated Resource

- Adding significant potential to increase mine-life
- **52% increase to new Finniss Lithium Mineral Resource Estimate (MRE)** to 15Mt at 1.3% Li₂O
- **150% increase to the Measured and Indicated Resource** categories to 7.62Mt @1.41% Li₂O
- All the additional Mineral Resources are located within a 3km radius and will enable transport of the material to an approved central processing facility at the Grants deposit
- This process has also highlighted opportunities to extend and expand the MRE with further resource drilling later in 2020.

Resource Category	Tonnes	Li ₂ O %
Measured	3,220,000	1.47
Indicated	4,400,000	1.37
Inferred	7,100,000	1.22
Total	14,720,000	1.32

New Reserve Update coming soon

Open pit mine at Grants followed by underground mining at BP33 and Carlton

- New underground Pre-Feasibility Study aimed to confirm the efficiency of underground mining at BP33 and Carlton
- Aim to substantially increase Reserves referencing recent 150% increase in Measured and Indicated Resources
- Assess initial open-pit mining at Grants followed by efficient underground mining methods at BP33 & Carlton
- Proposed sublevel open stoping mining without back fill to be utilised as a viable low-cost mining method
- Considerable scope remains to further increase the underground inventory at both BP33 and Carlton through the conversion of inferred material

Core Lithium and the Finniss Lithium Project

ASX listed developer with advanced lithium assets 25km from Darwin Port in Northern Australia

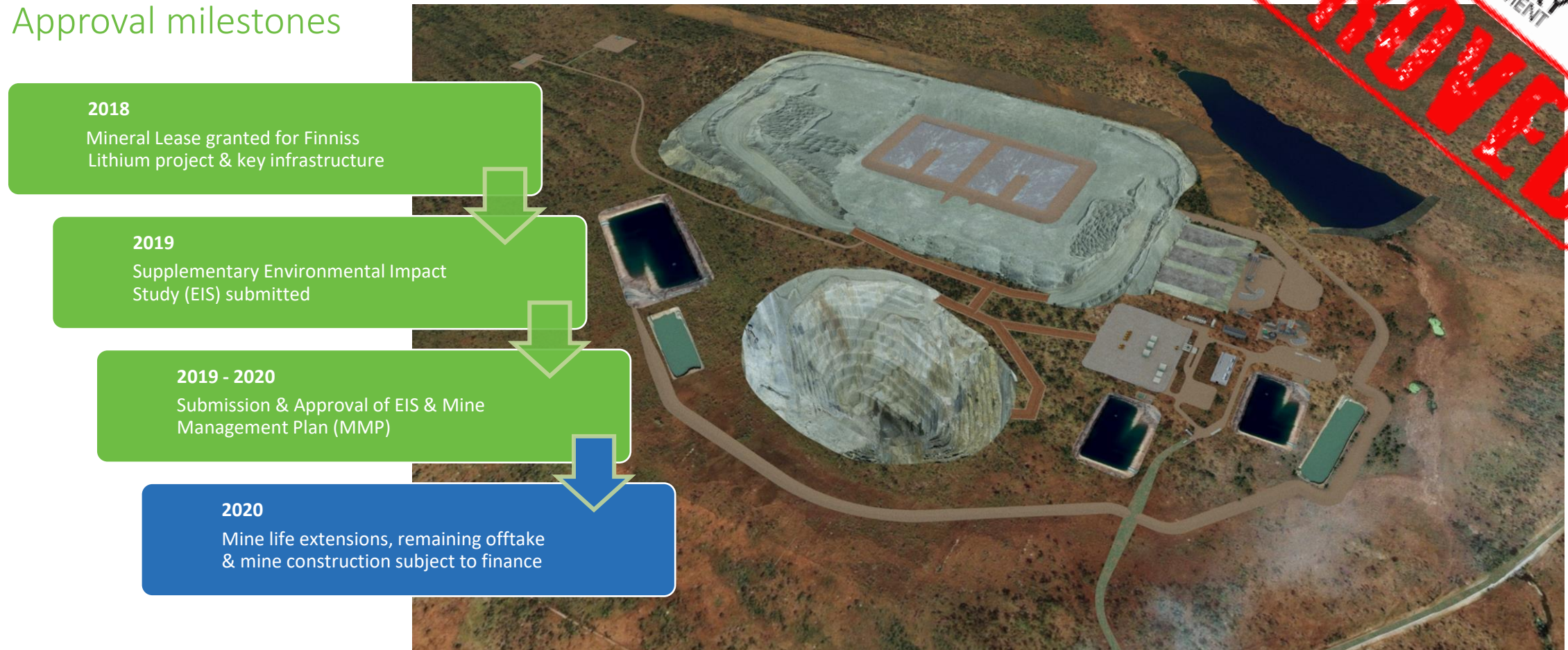


- World demand for lithium batteries and EV's continues to grow YoY
 - 250-300% lithium demand increase 2020 to 2025
- The Finniss Lithium Project meets the lithium and EV markets needs due to:
 - Low Capex **US\$45M**
 - Low Transport and Operating Cost C1 Cash Opex
 - High Revenue approx. **(US\$110 million per annum)**
 - Producing 175,000tpa of High Quality / Low Iron Lithium Concentrate
 - Low Technical Risk
 - Sustainable and Responsible Sourcing
 - Higher Margin and Quicker Payback
- Lithium supply deficit is coming.....and Core is at the front of the line

NT Government approvals received for Finniss Lithium Project



Approval milestones



Feasibility update objectives

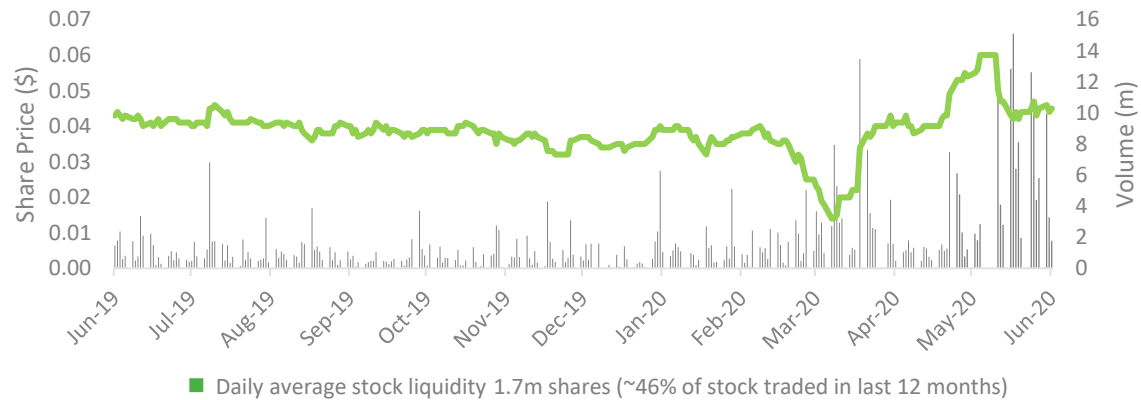
Feasibility update objectives

Key Feasibility Metric	Apr-19 DFS	DFS Update Objectives
Ore Reserves	2.2Mt	Significant Increase
Project Mine Life	3.5 years	7 to 10 year target
Mining Method	Open Pit	Open Pit & Underground
Concentrate Product Quality	5.5%	5.8% - 6.0%
Product Recovery	+ 70%	+/- 5%
Start-Up Capital (CAPEX)	A\$73 million	+/- 5%
C1 Operating Cost (OPEX)	US\$300/t	1 st /2 nd Quartile

Result = Financeable project with strong shareholder returns

Corporate information

Share Price Performance Last Twelve Months



Capital Structure (as at 18 June 2020)

Share Price	~A\$0.05
Shares on Issue	969.7M
Market Capitalisation	~A\$45M
Options and Rights Unlisted	72.8M
Cash (21 June 2020)	A\$9M
Debt Facilities	Nil
Enterprise Value	~A\$36M

Board of Directors

Management Team

Managing Director	Stephen Biggins	Chief Operating Officer	Blair Duncan
Non-Executive Chairman	Greg English	Chief Financial Officer	Simon Iacopetta
Non-Executive Director	Heath Hellewell	Metallurgical Advisor	Noel O'Brien
Non-Executive Director	Malcolm McComas	Commercial Marketing Manager	Robert Sills
Company Secretary	Jarek Kopias	Exploration Manager	David Rawlings
		Project Manager	Sean Buxton

Prime location and valuable infrastructure available



Excellent location & infrastructure advantages

Darwin Port

Heads of Agreement

Core has agreement with Darwin Port to ship 250,000tpa 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:

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



Dense Media Separation (DMS) - no flotation circuit required

DMS avoids problems of other new lithium Australian flotation projects burdened by high capex, large debt and high finance cost and high operating cost (refer appendix)

- ✓ Simple DMS (Gravity) separation produces high quality lithium product
- ✓ 6.0% Li₂O Concentrate produced at high 70% Recovery
- ✓ DMS Produces high-quality lithium concentrate low in iron <0.7% & other contaminants
- ✓ Coarse product with low-moisture content and good handling properties another advantage for customers



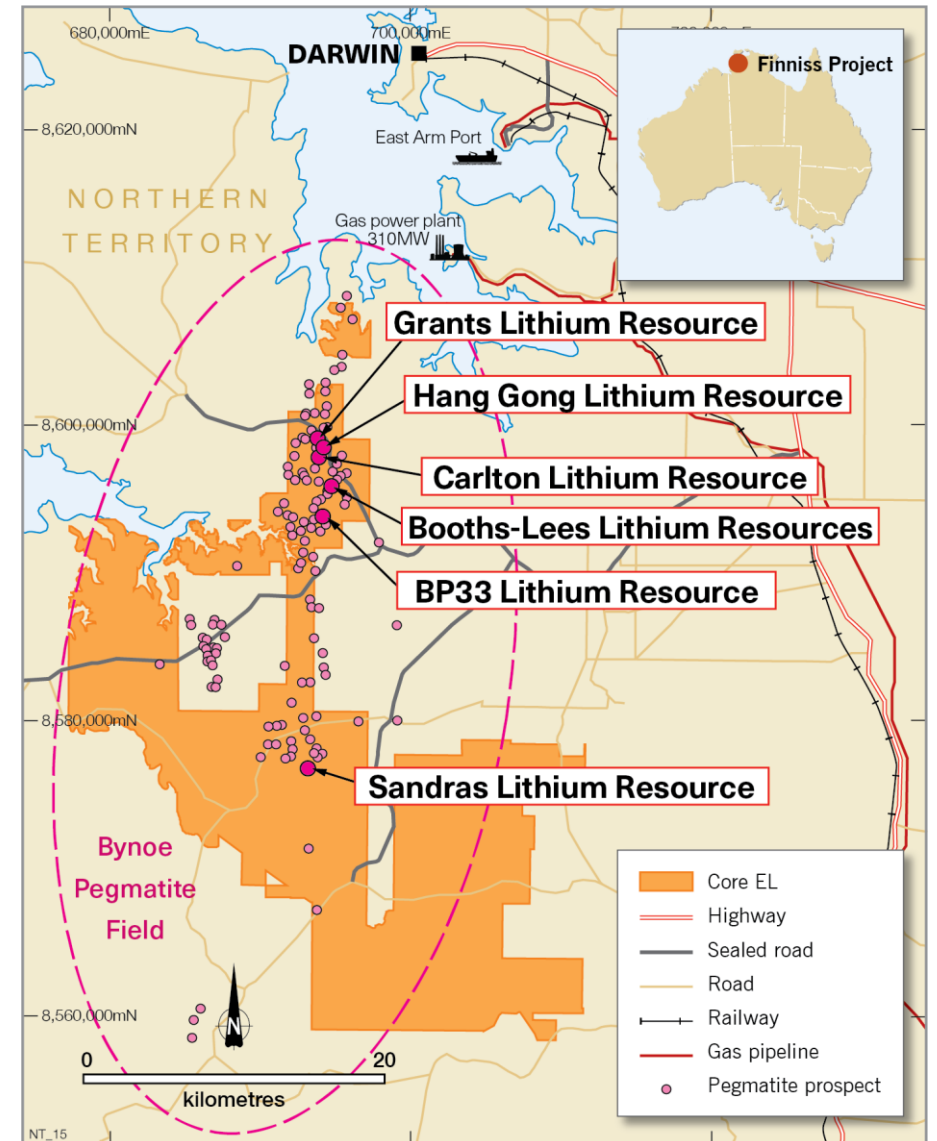
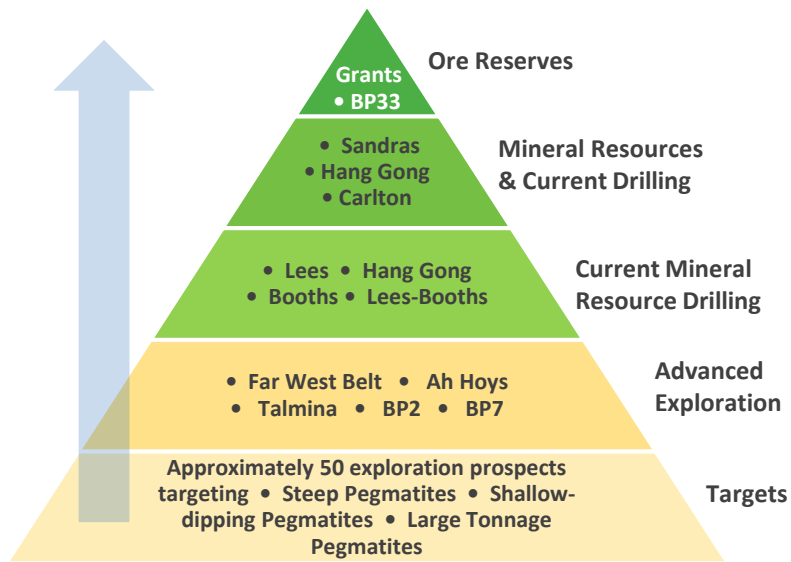
Mineral Resources & Ore Reserves expansion

Significant Upside

Current Project Pipeline

Pipeline of high-grade lithium targets that formed the basis of recent resource drilling

Current and Future Drilling Programs leading to Mineral Resource and Ore Reserve increases in 2020 and beyond

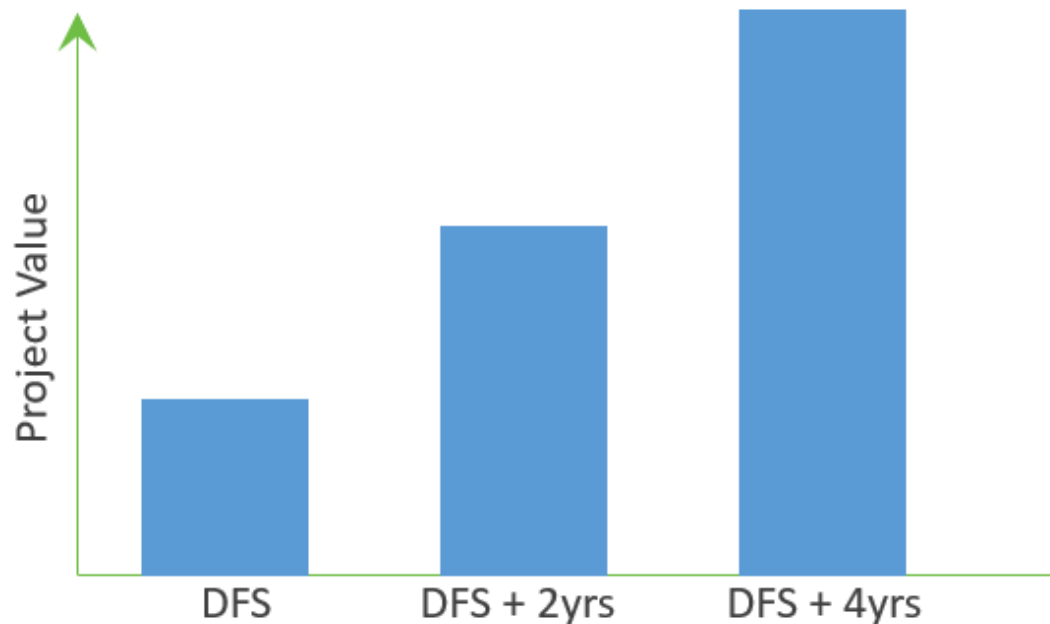


500km² of tenure covering hundreds of pegmatites close to Darwin Port

Mineral Resources & Ore Reserves expansion Mine Life

Mine studies and Mineral Resource / Ore Reserve upgrades underway toward increasing mine life

- DFS clearly showed that additional mine life has a significant upside economics
- Core has completed Mineral Resource and Ore Reserve expansion drilling
- Mining studies in progress toward significantly increasing mine life



DFS showed that even modest mine life extensions have a significant positive impact on project economics

Positioned at front of the line to be Australia's next lithium producer



- ✓ Regulatory approvals in place to commence construction & operation of the Finniss Lithium Project
- ✓ First European Offtake announced to market
- ✓ Significant Mineral Resource and Ore Reserves increase
- ✓ Update to Feasibility Study
- ✓ Advancing discussions with additional offtake and finance partners
- ✓ Well capitalised and able to fund key milestones and deliver a construction ready project in 2020



Thank you

For more information:

Core Lithium

Level 1, 366 King William Street, Adelaide

Stephen Biggins: +618 8317 1700

Authorised for release by the Board of Core Lithium Ltd.

For broker and media enquiries:

Cannings Purple

Warrick Hazeldine: +61 417 944 616

Fraser Beattie: +61 421 505 557

corelithium.com.au | **ASX CXO**



Appendix

corelithium.com.au



Spodumene Concentrate Processing

