



# AUSTRALIA'S NEWEST LITHIUM MINER

Simon Iacopetta  
Chief Financial Officer  
Diggers & Dealers Mining Forum  
1 August 2022



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# IMPORTANT & CAUTIONARY NOTES

This presentation has been prepared by Core Lithium Ltd (“Core”, “Company”) and provides a general overview of the Company and its strategy. 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.

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The Finnis Lithium Project as described in this presentation is at the construction and development stage, and potential investors should understand that mineral exploration, development and mining are high-risk undertakings.

This document contains statements which may be in the nature of forward-looking statements.

## Competent Person Statements

The information in this release that relates to the estimation and reporting of Ore Reserves and Mineral Resources for the Finnis Project was first reported by the Company on 12 July 2022.

Core confirms that it is not aware of any new information or data that materially affects the information included that announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimates, Ore Reserve estimates, production targets and forecast financial information in that announcement continue to apply and have not materially changed.

## Forward-Looking Statements

This presentation 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 feasibility studies, the Company’s business strategy, plan, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, and Mineral Resources and Reserves.

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 presentation 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 and development activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future prices of lithium; 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 forward-looking information. These and other factors should be considered carefully, and readers should not place undue reliance on such forward-looking information.

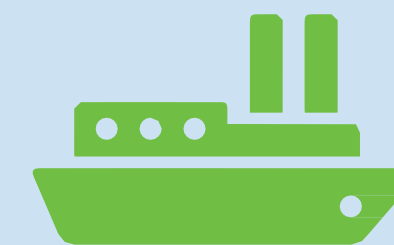
The Company disclaims any intent or obligations to or revise any forward-looking statements whether as a result of new information, estimates, or options, future events or results or otherwise, unless required to do so by law. Statements regarding plans with respect to the Company’s mineral properties 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 cash flows are in Australian dollars, are undiscounted and are in real terms (not subject to inflation/escalation factors), and all years are calendar years. C1 Operating Costs and All-In Sustaining Cost (AISC) references in USD throughout this presentation have been derived by converting AUD using an exchange rate of 0.70 AUD/USD.

# FINNISS LITHIUM PROJECT AT A GLANCE

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**2016**

Discovered  
Lithium at Finniss

**JULY 2021**

DFS  
8-Year LOM

**SEPTEMBER 2021**

Final Investment  
Decision

**OCTOBER 2021**

Construction  
Commenced

**JULY 2022**

Grow LOM to  
12-Years

**Q4 2022**

First Shipment  
(DSO)

**H1 2023**

Commercial  
Production (SC6)

# FINNISS LITHIUM PROJECT AT A GLANCE

Finniss is Australia's newest lithium mine

Targeting first production in Q4 2022

Located 88km by sealed road to Darwin Port

Low-risk in Tier 1 jurisdiction

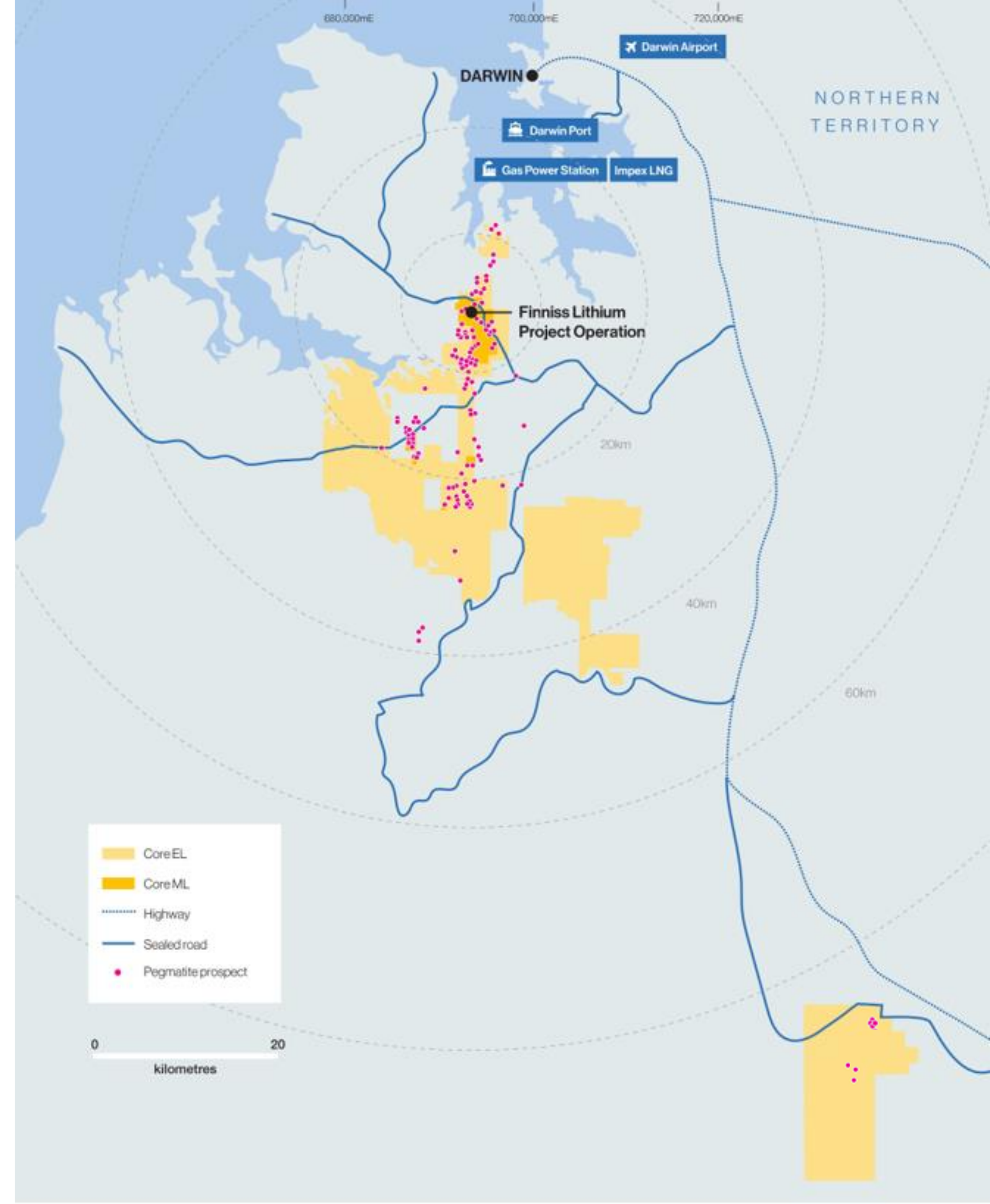
FID in Q3 2021 and project construction is progressing

Low capital-intensive project using simple dense media separation

Average annual production of 160kt spodumene concentrate over a 12-year Mine Life <sup>1</sup>

C1 Operating Costs of US\$423/t vs. current spot US\$6,625/t<sup>2</sup>

Offtake agreements with Ganfeng Lithium, Sichuan Yahua and a binding Term Sheet with Tesla



## NOTES

1. See CXO ASX Release "Significant Increase to Finniss Lithium Project Mineral Resource & Ore Reserves", 12 July 2022

2. Spodumene min 6% Li<sub>2</sub>O (Asia) current price (mid) on 23 June 2022 and published by Fastmarkets in Battery Raw Material Price Update 30 June 2022

# MATURE CUSTOMER BASE

Company	Contract	Period	Product	Pricing
<b>GanfengLithium</b>	Binding Offtake <sup>1</sup>	4 Years	300,000t	Formula-based referencing market prices for spodumene concentrate
<b>Yahua</b>	Binding Offtake <sup>2</sup>	4 Years	300,000t	
<b>TESLA</b>	Binding Term Sheet <sup>3,4</sup>	4 Years	Up to 110,000t	

## NOTES

1. Refer CXO ASX announcement "Binding Offtake Agreement and A\$34m Equity Investment with Ganfeng Lithium" on 9 August 2021
2. Refer CXO ASX announcement "Yahua Increases Lithium Concentrate Offtake commitment" on 1 April 2019
3. Refer CXO ASX announcement "Term Sheet for the supply of lithium" on 2 March 2022
4. Term sheet subject to parties completing negotiations and execution of a definitive product purchase agreement by 27 August 2022, which is to provide for a supply commencement date before 31 July 2023 (subject to extension by mutual agreement)

# CORPORATE SNAPSHOT

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## BOARD

**Greg English**  
Non-Executive Chair

**Stephen Biggins**<sup>3</sup>  
Managing Director

**Heath Hellewell**  
Non-Executive Director

**Malcolm McComas**  
Non-Executive Director

**Jarek Kopias**  
Company Secretary

## MANAGEMENT

**Blair Duncan**  
Chief Operating Officer

**Simon Iacopetta**  
Chief Financial Officer

**Andrew Bennett**  
Exploration Manager

**Sean Buxton**  
GM - Finniss Lithium Project

## CAPITAL STRUCTURE<sup>2</sup>

Share Price - 30 June 2022

A\$0.955/sh

Shares on Issue - 30 June 2022

1,733M

Undiluted Market Capitalisation - 30 June 2022

A\$1.665B

Cash - 30 June 2022

A\$135M

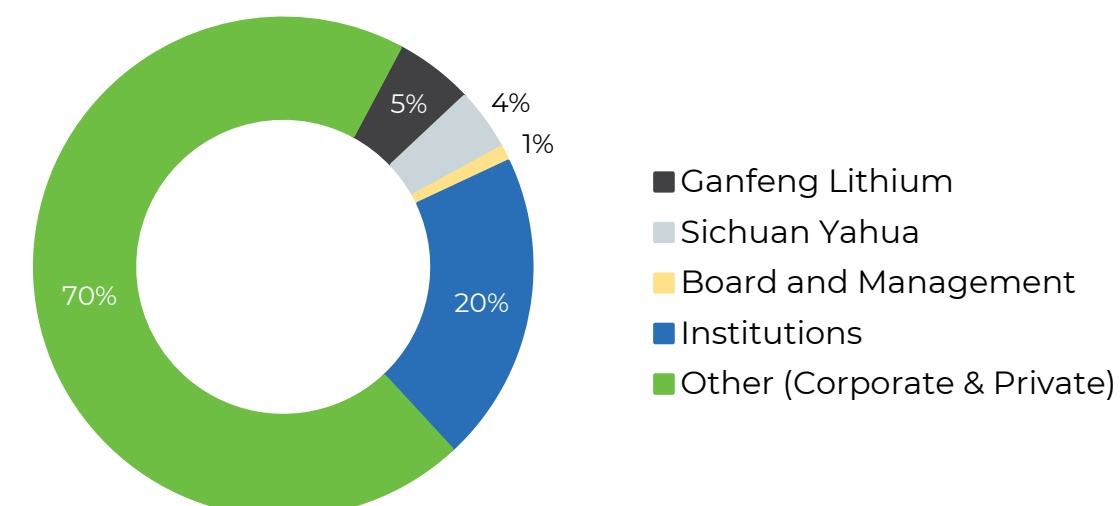
Debt - 30 June 2022

Nil

Ticker

ASX: CXO

## MAJOR SHAREHOLDERS<sup>1</sup>



## BROKER COVERAGE

cg/Canaccord  
Genuity  
G Ventures Corp.

PETRA  
CAPITAL

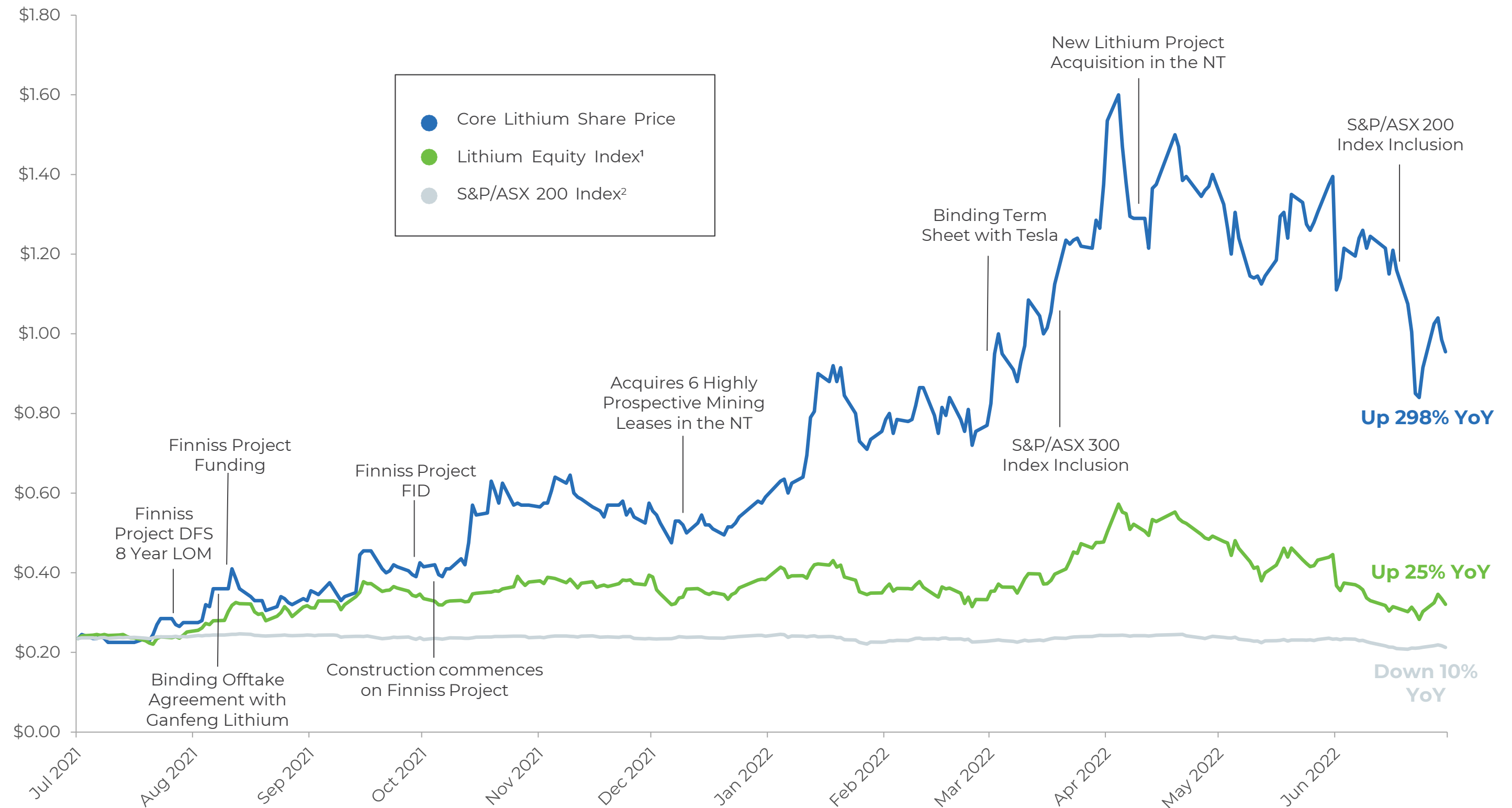
TAYLOR COLLISON

### NOTES

1. Major shareholders at 30 June 2022
2. At 30 June 2022, see CXO ASX Release "Quarterly Activities and Cashflow Report 30 June 2022", 27 July 2022
3. Stephen Biggins resigned as Managing Director on 25 March 2022, refer CXO ASX Release "Resignation of Managing Director Stephen Biggins", 25 March 2022

# SHARE PRICE PERFORMANCE RELATIVE TO PEERS AND MARKET

## CORE LITHIUM SHARE PRICE VS. LITHIUM EQUITY INDEX VS. S&P/ASX 200 INDEX



### NOTES

1. Lithium Equity consists of average daily returns of Piedmont Lithium, Pilbara Minerals, Liontown Resources, Sayona Mining and Allkem (each rebased to Core Lithium's share price as at 30 June 2021).
2. S&P/ASX 200 index rebased to Core Lithium's share price as at 30 June 2021.



# FINNISS LITHIUM PROJECT STRATEGY

- Project Delivery
- Organic Growth



# FINNISS LITHIUM PROJECT DELIVERY

- Operational Readiness
- First shipment Q4 2022
- Commercial Production H1 2023

Management Team  
April 2022



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Sealed Road - 88km to Darwin Port

Mining at Grants Open Pit (Stage 1)  
Lucas TCS - Mining Contractor

DMS Plant Construction Underway  
Primero - EPC Contractor

Crushing Infrastructure Works in Progress  
CSI - Crushing O&M Contractor



# MINE PLAN VISIBILITY

## Mine Plan Visibility from Commercial Production in 1H 2023

Life of Mine (LOM) <sup>3</sup> **12 years**

Spodumene Concentrate Production (kt) **1,917**

C1 Costs (US\$/t) - LOM Average <sup>1</sup> **423**

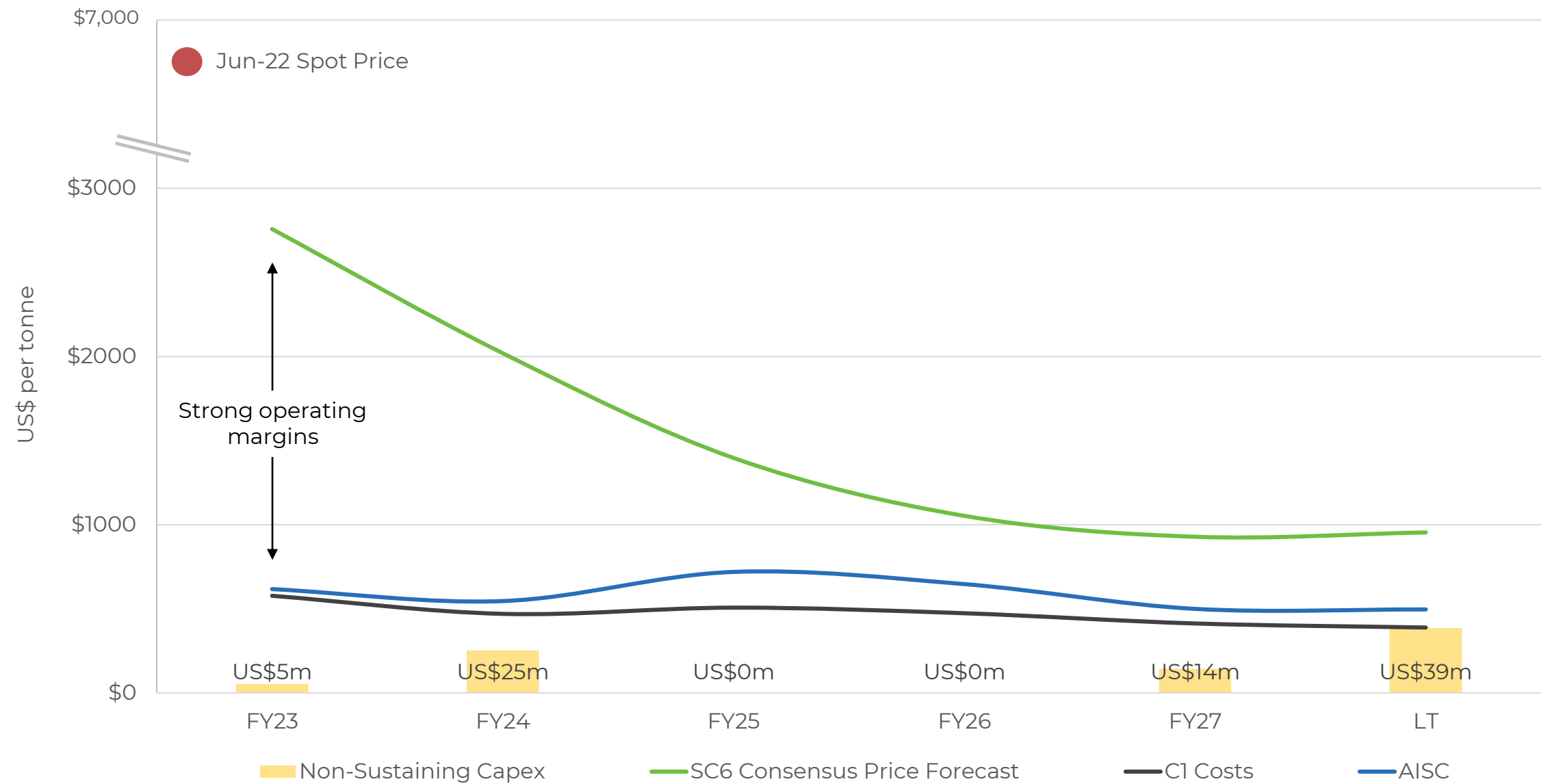
All-in Sustaining Costs (AISC) (US\$/t) - LOM Average <sup>1</sup> **539**

Non-Sustaining Capital (US\$M) <sup>1</sup> **84**

### NOTES

- C1 Costs equals direct cash operating, transport, port, and costs of production FOB, divided by Spodumene Concentrate (SC) production tonnes. Direct cash operating costs include mining, processing ship-loading costs. C1 operating costs exclude royalties & sustaining capital. AISC equals C1 operating costs plus royalties (that assume a flat US\$1,250/t SC6% price, Free On Board (FOB) Australia price over mine life) and sustaining CAPEX. Sustaining capital equals mine development CAPEX incurred on the commencement of and during production of a mine. Non-sustaining capital primarily represents mine development CAPEX incurred prior to the commencement of production at a mine. C1 Costs, AISC and Non-Sustaining CAPEX are calculated post commercial production in H1 2023 and excludes start-up CAPEX.
- SC6% Consensus Price Forecast (US\$/t FOB) is an average of various Q2 2022 price forecasts which assume a US\$100/t freight and insurance cost when converting a CIF (Cost Insurance and Freight) price to FOB price. The SC Consensus Price Forecast has been adjusted pro-rata for the sale of SC grading 5.5%.
- Source "Significant Increase to Finnis Lithium Project Mineral Resources and Ore Reserves", dated 12 July 2022.

## SPODUMENE CONCENTRATE CONSENSUS PRICE FORECAST<sup>2</sup> VS. COST



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# ORGANIC GROWTH

# MINERAL RESOURCES AND MINE PLAN UPGRADE

## MINERAL RESOURCE AND ORE RESERVE ESTIMATES<sup>1</sup>

JORC Category	2021	2022	YoY Growth (Mt)
Mineral Resource Estimate	14.8Mt @ 1.4%	<b>18.9Mt @ 1.3%</b>	<b>+28%</b>
Ore Reserve Estimate	7.4Mt @ 1.3%	<b>10.6Mt @ 1.3%</b>	<b>+43%</b>
Conversion Rate	50%	<b>56%</b>	

## ESTIMATED CONCENTRATE PRODUCTION AND HEAD GRADE



**NOTES**

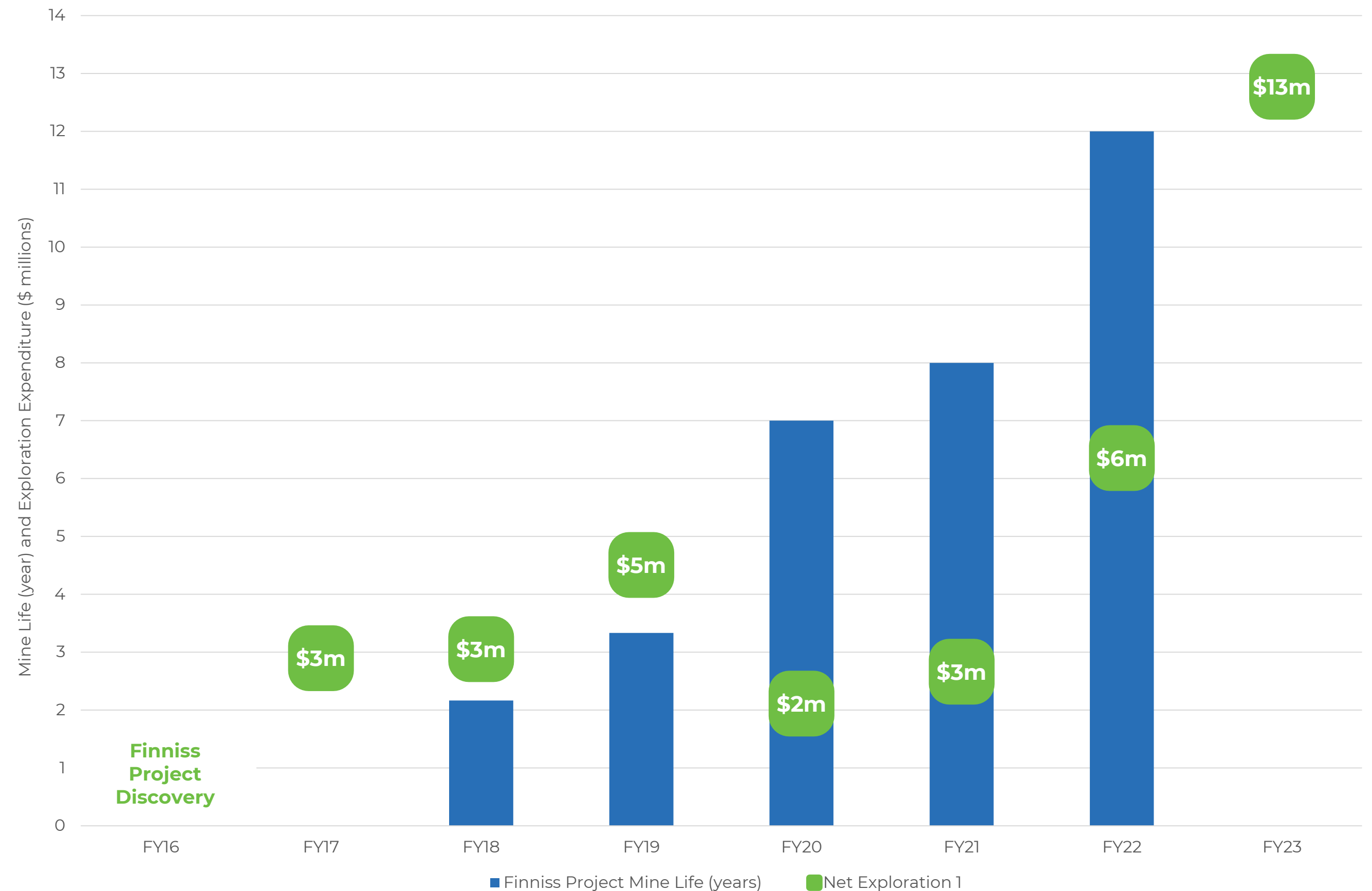
1. Refer "Significant Increase to Finnis Lithium Project Mineral Resources and Ore Reserves", dated 12 July 2022.

# FINNISS LIFE CYCLE AND GROWTH TARGETS

*FY23 exploration program of **+40,000m** at Finnis is the largest in the Company's history*

*On average, Core has invested \$1.8 million for each year of mine life in the current mining plan <sup>1</sup>*

## ORGANIC GROWTH STORY



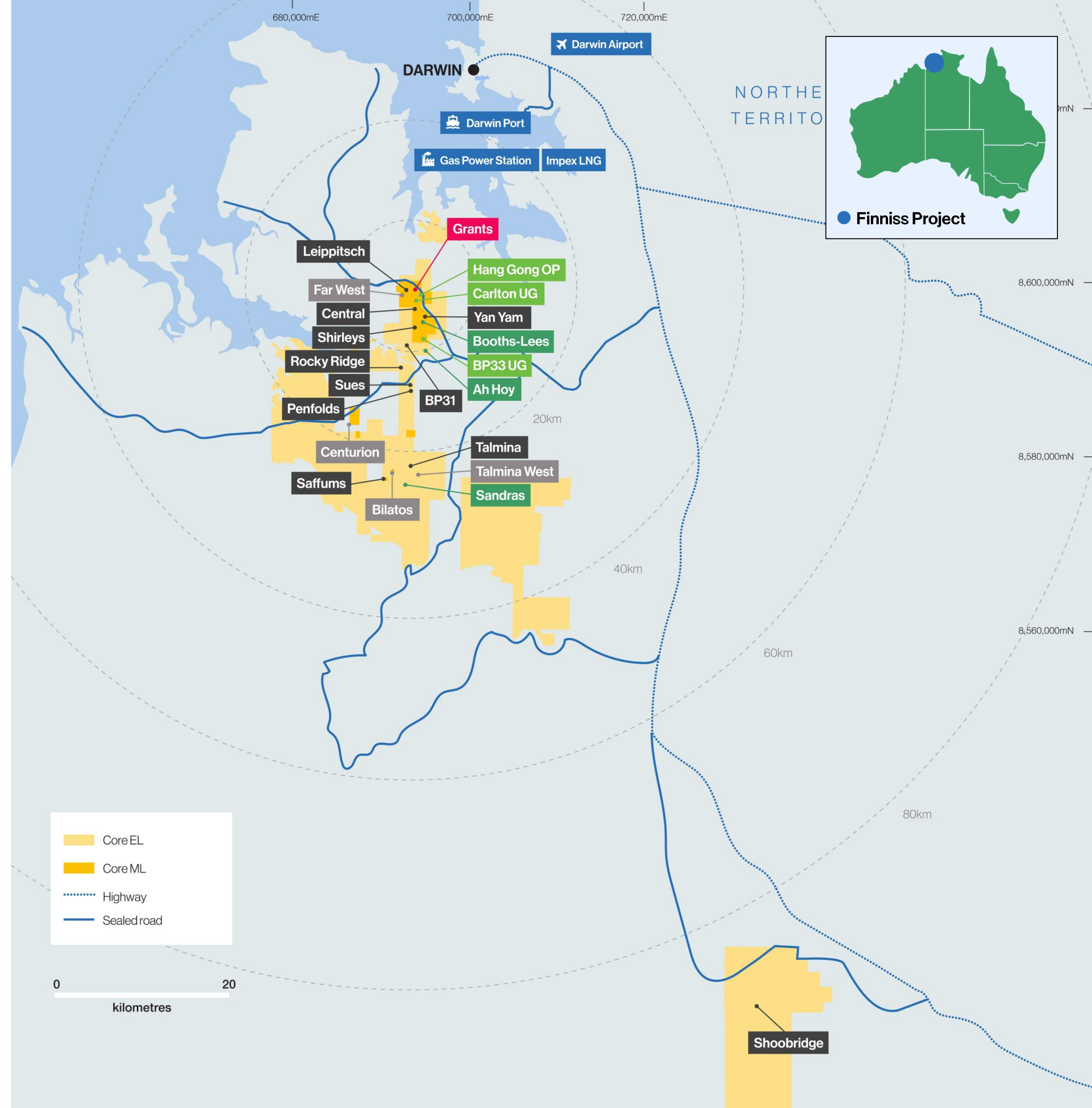
**NOTES**

1. Net exploration includes evaluation, drilling and assaying, general exploration administration, environmental approval and mining study activity such as engineering studies, geotechnical and metallurgical activity. Excludes project acquisition costs.

# ORGANIC GROWTH PIPELINE

- OPERATION
- DEVELOPMENT
- STUDIES
- ADVANCED EXPLORATION
- EXPLORATION

Over **500km<sup>2</sup> of tenure** over the highly prospective Bynoe Pegmatite Field in the NT.



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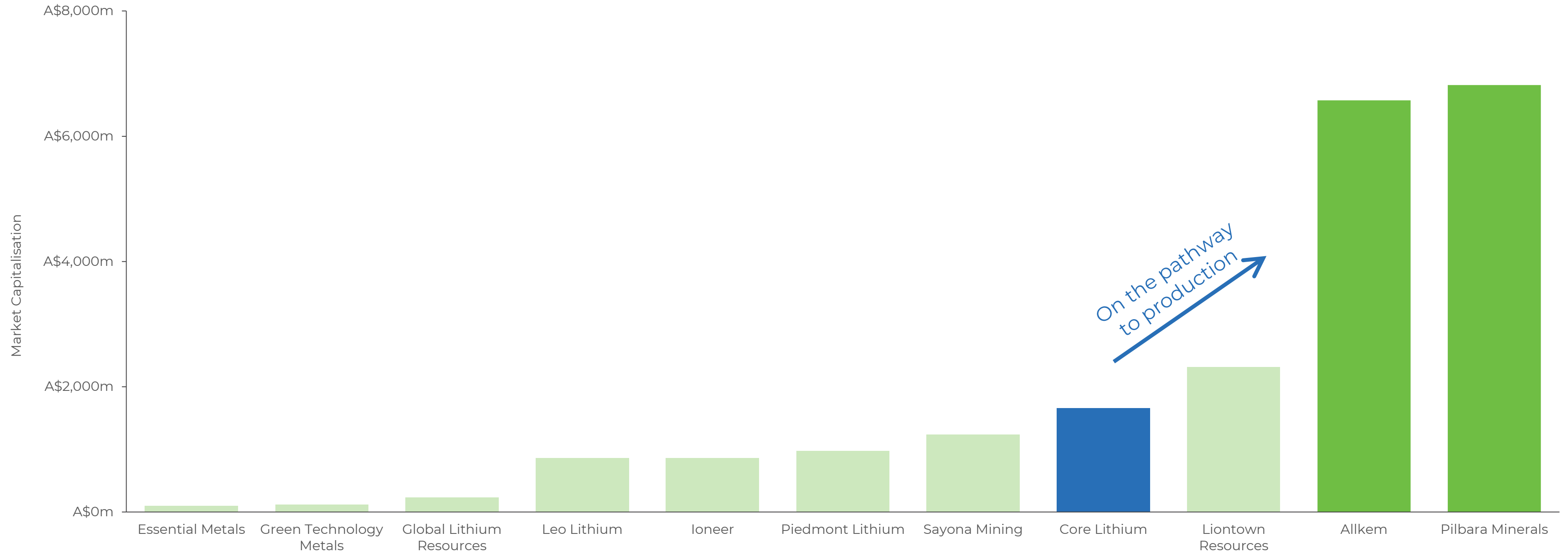
# THE INVESTMENT CASE





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Status	Resource	Resource	Resource	DFS	DFS	PFS	DFS	Under Construction	FID	Producing	Producing
Operations	Australia	Canada	Australia	Mali	USA	USA	Canada	Australia	Australia	Australia / Argentina	Australia

SOURCE:  
Data at 30 June 2022, Bloomberg. 10 ASX lithium focused companies.

# FOCUS FOR FY23



Finniss Lithium  
Project Delivery



Organic  
Growth



Value Add  
Opportunities



## OPERATIONAL FOCUS

- Commence production at Finniss
- Transition owners' team from construction to operation



## HIGH IMPACT EXPLORATION

- \$15M total company exploration budget
- Includes extension drilling at BP33 and Carlton



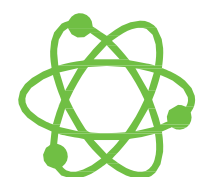
## GROWTH

- Mineral Resource and Ore Reserve growth
- Position the company to take advantage of value accretive opportunities



## STAKEHOLDER OBJECTIVES

- Disciplined approach to capital management, strong balance sheet
- Formalise ESG roadmap and framework



## NEAR TERM CATALYSTS

- First lithium shipment, Q4 2022
- FID at second lithium mine, BP33 2H 2022
- Progress lithium refining feasibility study and test work



# Thank You

## INVESTOR ENQUIRIES

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## MEDIA ENQUIRIES

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Cannings Purple

Authorised for release by the Board of Core Lithium Ltd

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# ANNEXURES



# MINERAL RESOURCES AND ORE RESERVES

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## JORC (2012) RESOURCES AND RESERVES

Mineral Resources	Classification	Ore	Grade	Contained
Deposit		Mt	Li <sub>2</sub> O%	Li <sub>2</sub> OT
Grants	Measured	1.97	1.50	29,600
	Indicated	0.61	1.49	9,100
	Inferred	0.37	1.27	4,700
	<b>Total</b>	<b>2.95</b>	<b>1.47</b>	<b>43,400</b>
BP33	Measured	1.80	1.55	27,900
	Indicated	2.40	1.56	37,400
	Inferred	0.17	1.00	1,700
	<b>Total</b>	<b>4.37</b>	<b>1.53</b>	<b>67,000</b>
Sandras	Indicated	1.06	1.00	10,600
	Inferred	0.38	1.05	4,000
	<b>Total</b>	<b>1.44</b>	<b>1.01</b>	<b>14,600</b>
Carlton	Measured	1.83	1.34	24,500
	Indicated	1.32	1.34	17,700
	Inferred	0.89	1.17	10,400
	<b>Total</b>	<b>4.04</b>	<b>1.30</b>	<b>52,600</b>
Hang Gong	Indicated	1.22	1.28	15,600
	Inferred	1.32	1.11	14,700
	<b>Total</b>	<b>2.54</b>	<b>1.19</b>	<b>30,300</b>
Lees	Indicated	0.61	1.19	16,100
	Inferred	0.62	1.19	16,100
	<b>Total</b>	<b>1.23</b>	<b>1.19</b>	<b>7,300</b>
Ah Hoy	Indicated	0.47	1.31	7,400
	Inferred	0.33	1.05	14,600
	<b>Total</b>	<b>0.80</b>	<b>1.20</b>	<b>6,200</b>
Booths	Inferred	1.49	1.08	3,500
	<b>Total</b>	<b>1.49</b>	<b>1.08</b>	<b>9,600</b>
Total Mineral Resources	Total Measured	5.60	1.46	82,000
	Total Indicated	7.69	1.35	103,800
	Total Inferred	5.57	1.12	62,400
	<b>Total Resources</b>	<b>18.86</b>	<b>1.32</b>	<b>248,200</b>

Source: CXO ASX Release "Significant Increase to Finnis Lithium Project Mineral Resource & Ore Reserves", 12 July 2022  
Columns may not total exactly due to rounding

Ore Reserves	Classification	Ore	Grade	Contained
Deposit		Mt	Li <sub>2</sub> O%	Li <sub>2</sub> OKt
<b>OPEN PIT</b>				
Grants	Proved	1.8	1.5	26.4
	Probable	0.3	1.4	4.7
	<b>Total</b>	<b>2.1</b>	<b>1.4</b>	<b>31.1</b>
Hang Gong	Probable	1.1	1.2	13.3
	<b>Total</b>	<b>1.1</b>	<b>1.2</b>	<b>13.3</b>
Total - Open Pit	Proved	1.8	1.5	26.4
	Probable	1.4	1.3	18.0
	<b>Total</b>	<b>3.2</b>	<b>1.4</b>	<b>44.4</b>
<b>UNDERGROUND</b>				
Grants	Proved	0.0	1.0	0.0
	Indicated	0.3	1.5	4.4
	<b>Total</b>	<b>0.3</b>	<b>1.4</b>	<b>4.4</b>
BP33	Proved	1.7	1.4	24.4
	Inferred	2.2	1.4	31.6
	<b>Total</b>	<b>3.9</b>	<b>1.4</b>	<b>56.0</b>
Carlton	Proved	2.2	1.4	31.6
	Inferred (Booths/Lees)	1.4	1.2	16.2
	<b>Total</b>	<b>3.3</b>	<b>1.2</b>	<b>40.2</b>
Total - Underground	Total Proved	3.9	1.4	56.0
	Total Probable	2.3	1.3	52.2
	<b>Total</b>	<b>7.6</b>	<b>1.3</b>	<b>100.6</b>
Total Ore Reserves	Total Proved	5.5	1.4	82.4
	Total Probable	5.1	1.3	70.2
	<b>Total</b>	<b>10.6</b>	<b>1.3</b>	<b>152.6</b>