

# Maiden drill campaign progressing at recently acquired Chubb Lithium Project in Quebec



**ASX:BUR**



PAC Partner Sydney Presentation, May 2023



# Disclaimer & Forward-Looking Statements

This presentation has been prepared by Burley Minerals Ltd “BUR”. This document contains background information about BUR current at the date of this presentation. The presentation is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this presentation.

This presentation is for information purposes only. Neither this presentation nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sales of shares in any jurisdiction.

This presentation does not constitute investment advice and has been prepared without taking into account the recipient’s investment objectives, financial circumstances or particular needs and the opinions and recommendations in this presentation are not intended to represent recommendations of investments to persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities involve risks which include (among others) the risk of adverse or unanticipated market, financial or political developments. To the fullest extent permitted by law, BUR, its officers, employees, agents and advisors do not make any representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of any information, statements, opinions, estimates, forecasts or other representations contained in this presentation. No responsibility for any errors or omissions from this presentation arising out of negligence or otherwise are accepted.

This presentation may include forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of BUR. Actual values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. Any forward-looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law, BUR does not undertake any obligation to update or revise any information or any of the forward-looking statements in this presentation or any changes in events, conditions, or circumstances on which any such forward looking statement is based.

The information in this Presentation that relates to Exploration Results and Mineral Resources is extracted from the Company’s prospectus dated 26 May 2021 and lodged with the Australian Securities and Investments Commission (ASIC) (Prospectus). The Company confirms that it is not aware of any new information or data that materially affects the Exploration Results or Mineral Resources information included in the Prospectus. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the Prospectus.

The Yerecoin Main Mineral Resource Estimate was reported in 2014 under the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. The Mineral Resource Estimate was detailed in ASX:RAD announcement dated 8th September 2014 “Resource Upgrade for Yerecoin Project” The Yerecoin South Mineral Resource Estimate was reported in 2014 under the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”.

## Relevant Announcements Referenced

5 <sup>th</sup> May 2023	Burley’s maiden drilling extends the Chubb spodumene mineralisation
3 <sup>rd</sup> April 2023	Burley to acquire 100% ownership of Bouvier Lithium Project
8 <sup>th</sup> February 2023	Acquisition of Chubb Lithium and Gascoyne Lithium Projects Complete
12 <sup>th</sup> January 2023	Chubb Lithium Project Update – Quebec (Canada)
17 <sup>th</sup> November 2022	Burley to Acquire 100% of Canadian and Gascoyne Li Projects

## Competent Persons Statement

The information in this Presentation that relates to Iron Ore Exploration Results and Mineral Resources is based on information compiled or reviewed by Mr Gary Powell, who is the Technical Consultant to the Company. Mr Powell is a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Powell consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The information in this Presentation that relates to Lithium Exploration Results is based on and fairly represents information and supporting documentation compiled by Mr David Crook, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy (AusIMM) and the Australian Institute of Geoscientists (AIG). Mr Crook is a Director to Burley Minerals. Mr Crook has sufficient experience relevant to the style of mineralisation under consideration and to the activity which he is undertaking to qualify as a Competent Person and defined in the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Crook consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears. The information in the Presentation relating to Lithium exploration results and drilling results.

# About Burley Minerals Ltd

## Lithium Projects in world class Tier 1 mining provinces of Quebec, Canada and the Gascoyne, Western Australia

### Chubb Lithium Project – Quebec, Canada – 100% Interest

- 35 Contiguous Mineral Claims within Abitibi Lithium Hub District - SW Quebec Province, Canada
- Known lithium-bearing pegmatites mapped, drilled and modelled on tenure – high grade Li<sub>2</sub>O (>1.5% zone)<sup>1</sup>
- Maiden diamond core drilling program commenced in early April 2023
- Immediate proximity to multi-billion dollar ASX-listed Lithium Companies - Sayona Mining (ASX:SYA) and Piedmont Lithium (ASX:PLL)– Canada's only operating lithium mine and concentrator within 10km of the Project

### Bouvier Lithium Project – Quebec, Canada – 100% Interest (Acquisition Pending)

- Mapped Pegmatites, rock-chip sampling, trenching and minimal drill holes
- Strategically located within 14 Km of Chubb Lithium Project
- Trenching confirms >120m of 1.5% Li<sub>2</sub>O and Rock chips up to 2.67% Li<sub>2</sub>O<sup>2</sup>

### Mt James and Dragon Lithium Projects in the central Gascoyne Region of Western Australia – 100% interest

- Mapped Pegmatites and anomalous Cu & Au assays
- Strategically located within the Gascoyne Region – Western Australia. Readily accessible
- Tenements located within corridor of known Li-Bearing pegmatites resources incl Red Dirt's – Yinetharra Lithium Project

<sup>1</sup>ASX Release 17 November 2022 – Burley to Acquire 100% Ownership of Strategic Canadian and Gascoyne Lithium Projects

<sup>2</sup>ASX Release 3 April 2023 – Burley to acquire 100% Ownership of Bouvier Lithium Project

# About Burley Minerals Ltd

## Iron Ore in the world class Hamersley Iron Ore Province, Western Australia – 100% interests

- **Cane Bore Prospect** has 28kms of remnant outcropping Channel Iron Deposit (CID) mineralisation which on average is 400m wide
- **Broad Flat Well** has CID mineralisation confirmed by historical rock chip assays ranging up to 61.5% Fe <sup>3</sup>
- **Hardey West** has Bedded Iron Formations within Brockman Iron Formations up to 62% Fe <sup>3</sup>

## Yerecoin Magnetite Iron Project, Western Yilgarn Region, Western Australia – 70% Interest

- Located approximately 120km to the northeast of Perth, W.A.
- JORC 2012 compliant Inferred and Indicated Mineral Resource of 246.7Mt capable of producing a concentrate at >68% Fe <sup>4</sup>
- Various studies completed by previous operators, included various production scenarios as well as evaluation of infrastructure solutions
- Land Access Agreement with a major Landowner has been signed. Warden court hearings to confirm access to majority of the resource.

<sup>3</sup> ASX Release 23 September 2021 - *Burley applies for Exploration Licences for Iron Ore in the Hamersley Province*

<sup>4</sup> May 26, 2021 Company Prospectus – *Section 10 for Independent Technical Assessment Report*

# Burley Minerals Ltd - Corporate Overview

## Corporate Structure

ASX Code	BUR
Current Shares on Issue	88.1m
Options – exercise \$0.30	7.55m
Performance Rights	7.5m
Cash (31 March 2023)	\$2.4m
Share Price (2 May 2023)	\$0.30
Market Cap (2 May 2023)	\$26.4m

## 12-Month Share Price



### Bryan Dixon, Bcom CAANZ AGIA ACG Non-Executive Chairman

Mr Dixon has extensive experience in the mining sector and the management of publicly listed companies. Mr Dixon has held a numerous executive and director roles with emerging resource companies. He was a joint winner of the Mines and Money Asia-Pacific Mining Executive of the Year in 2017. Mr Dixon was previously employed in various mining and exploration roles focused on gold, lithium and lithium processing and is also a Non-Executive Director of Aura Energy Ltd. Bryan has a broad skill set across project acquisition, exploration, feasibility, financing, development, and operations of mining projects.

### Wayne Richards, BSc, Grad Dip Management, GAICD Managing Director & CEO

Mr Richards has over 35 years of study execution, project development, mining, mineral processing, and corporate financing experience within the resource and mining services sectors. Formerly Executive Chairman and CEO of Tawana Resources, managing Director of Brockman Resources, and Executive Project Director of Minprovis International and Strike Resources Ltd. Wayne has performed executive and non-executive roles with ASX - and JSE - listed companies, and has fulfilled senior executive roles with BHP and Anaconda Nickel.

### Jeff Brill, B Eng (hons) Non-Executive Director

Mr Brill is a project manager well experienced in the mining and oil & gas sector. Previous roles include Project Manager, Project Engineer, General Manager and Managing Director. Mr Brill has built project teams from the ground up to successfully execute a variety of projects and is an owner of engineering consultancy Avora and Environmental consultancy Ecologia. Mr Brill was previously Managing Director of Engenium, where he delivered numerous studies, project management, detailed design engineering and full EPCM services to mining industry clients as they transitioned into production.

### David Crook, BSc, GAICD, Member AusIMM Non-Executive Director

Mr Crook is an experienced Director with over 40 years' experience as a geologist and company director with a demonstrated discovery and production record in lithium, caesium, nickel and gold. - Mr Crook has led lithium-focussed teams exploring LCT pegmatites at Mavis Lake and Raleigh, Canada (now Critical Resources), Dome North (Essential Metals Limited) and Medcalf (Charger Metals NL) all advancing spodumene deposits, and also lead the discovery and mining of the Sinclair Mine, Australia's only Caesium mine. This includes 16 years as Managing Director of ASX-listed Pioneer Resources Limited from its successful listing and, until recently, was Managing Director of Charger Metals NL.



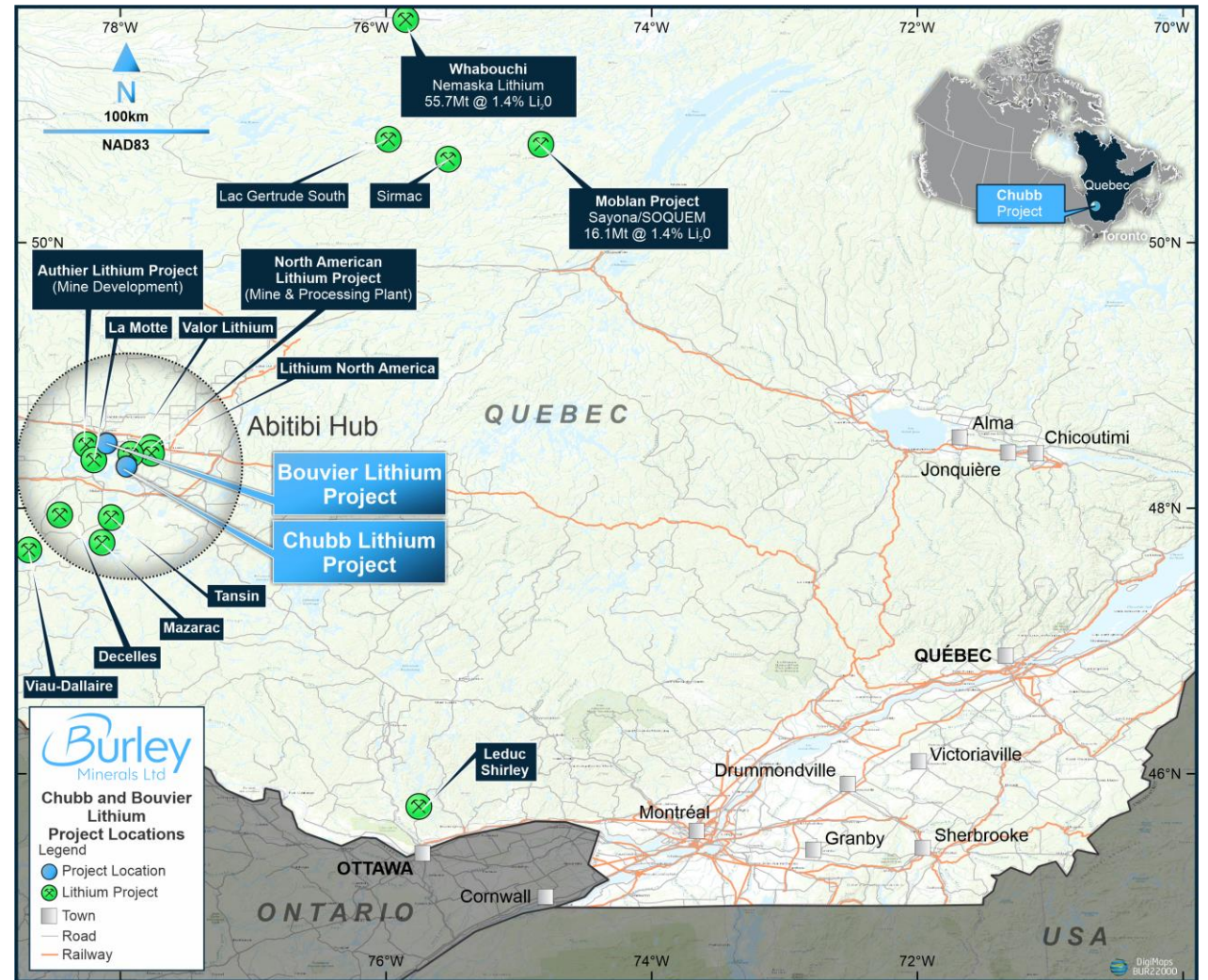
# Chubb & Bouvier Lithium Projects - World Class Lithium Province

## Excellent Location in Tier 1 Lithium Province

- Located in the south west corner of Quebec, Canada and within 450km of Montreal, Quebec and Ottawa
- Proximal to working Lithium mines and the only hard-rock spodumene mine and concentrator in Canada – NAL JV Plant
- Full-year access to Chubb and Bouvier Lithium sites via local towns within 25 km radius of Tenement – Val d'Or and Amos

## Infrastructure

- Low cost, environmentally responsible hydroelectric power accessible within the region
- Local skilled labour force with extensive exploration, drilling and mining capabilities
- Sealed road access located within 1-3 km of each Project
- Rail networks and multiple port export options available for DSO or Concentrate (6% Li<sub>2</sub>O)
- Advantageously located proximal to rapidly emerging North American battery manufacturing markets





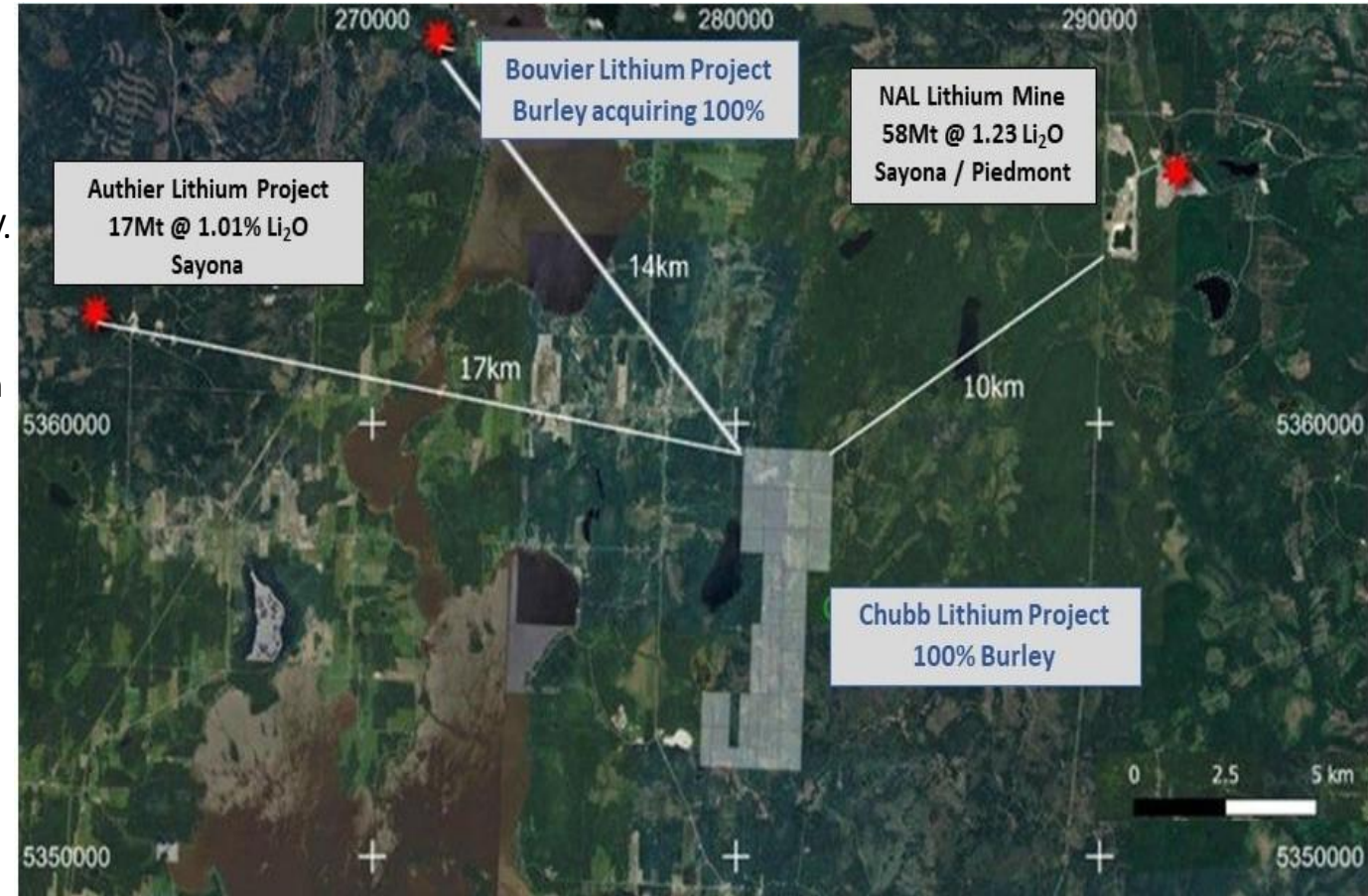
# Chubb & Bouvier Lithium Project - Proximity to \$B Working Mines

## Working Mines and Concentrator

- Sayona Mining Ltd (ASX: SYA) and Piedmont Lithium Inc's North American Lithium mines, operations, and Mineral Resources totalling 58Mt @1.2 % Li<sub>2</sub>O. NAL is located 10km North-East of the Chubb Lithium Project <sup>5</sup>
- Authier Lithium Project will operate as a satellite Mine for the NAL J.V. Concentrator
- Chubb and Bouvier Properties are located on relatively flat ground with established rural roads in the immediate vicinity or tracks within the Mineral Claims

## Historic Drilling and Mineral Claims

- Historic drilling at Chubb Central confirmed the presence of spodumene bearing lithium pegmatites in shallow, multi-stacked parallel dykes extending along strike of at least 560m and a corridor of 240m wide
- Early-stage modelling at Chubb has confirmed the presence of potentially 5 parallel dykes in the central west region of the Mineral Claims
- Total Mineral Claims totalling 1,509 Ha and 209Ha respectively



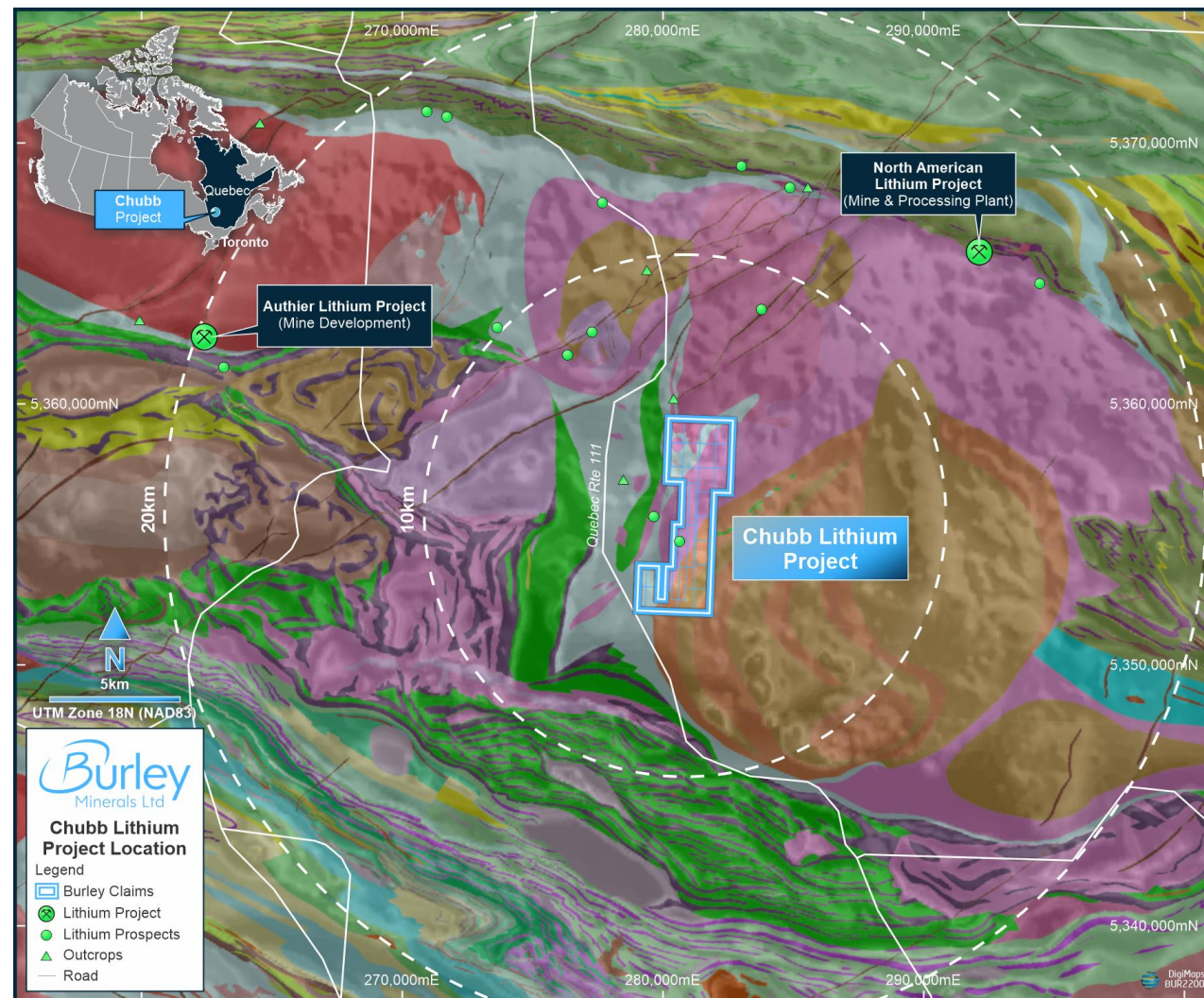
<sup>5</sup> Sayona Mining Limited ASX Release 14 April 2023 – Definitive Feasibility Study Confirms NAL Value With A\$2.2B NPV



# Chubb Lithium Project - Historic Drilling and Lithium Intercepts

## Drill Proven Spodumene Mineralisation

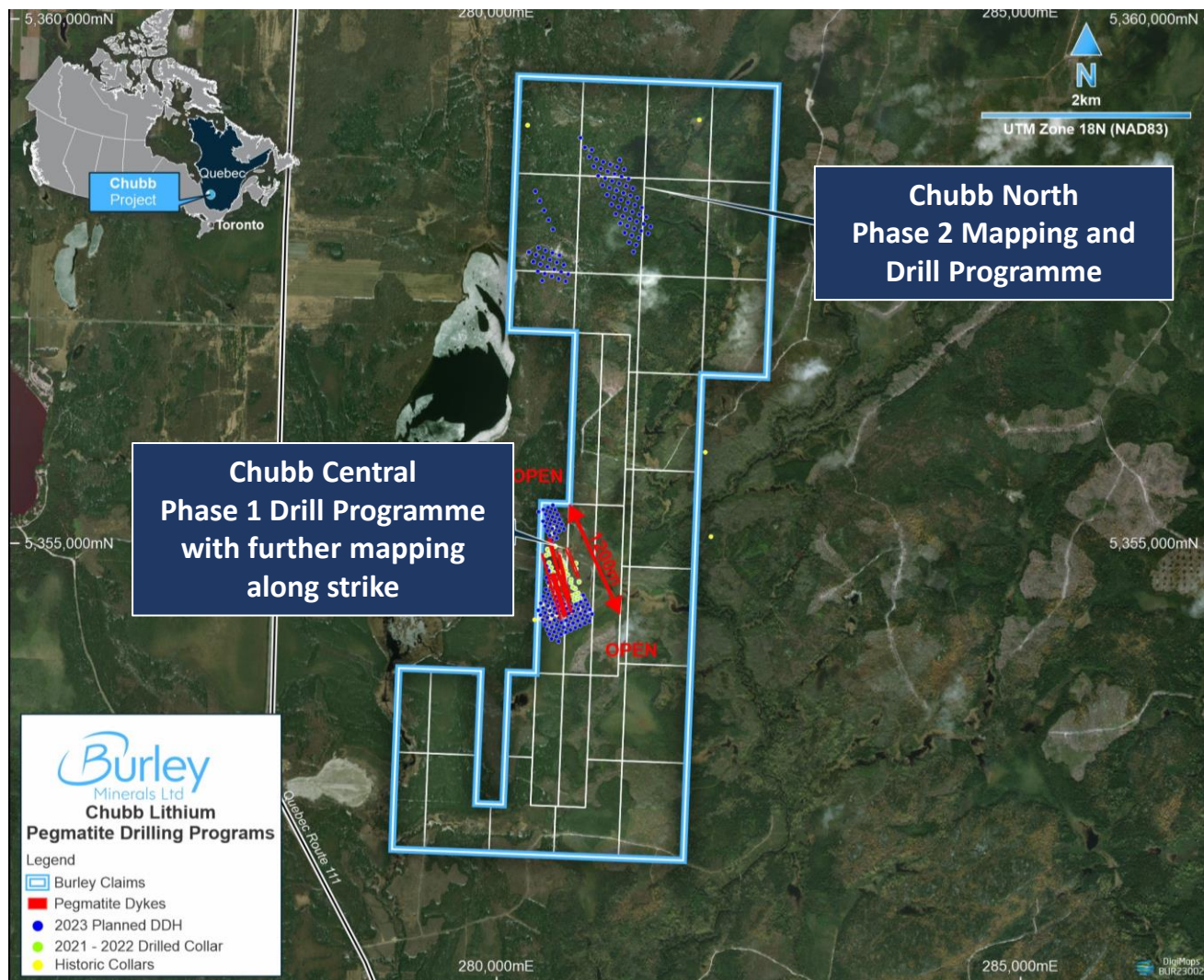
- Historic Drilling has intersected LCT spodumene bearing pegmatites with significant intercepts including <sup>6</sup>:
  - 12m at 1.57% Li<sub>2</sub>O from 108m in 21-CH-15
  - 11.8m at 1.28% Li<sub>2</sub>O from 83.2m in 22-CH-17
  - 9.0m at 1.26% Li<sub>2</sub>O from 69m in 21-CH-07
  - 6.3m at 1.18% Li<sub>2</sub>O from 54m in C-17-01
  - 5.8m at 1.24 Li<sub>2</sub>O from 70.2m 21-CH-06
  - 5.8m at 1.21% Li<sub>2</sub>O from 202.2 in 22-CH-26
  - 5.4m at 1.24% Li<sub>2</sub>O from 31.2 in L-94-1
  - 2.3m at 2.34% Li<sub>2</sub>O from 32.3m in 21-CH-04
- Maiden Drill programme at Chubb Central commenced on 05 April 2023
- Pegmatites were previously defined over a strike length of 560m within a corridor 240m wide
- A geochemical sampling and mapping program for the NNW quadrant will commence in late May 2023



<sup>6</sup> ASX Release 17 November 2022 – Burley to Acquire 100% Ownership of Strategic Canadian and Gascoyne Lithium Projects



# Chubb Lithium Project - Drilling Targets and Phase Drilling Program



## Potential Strike length extension

- A Diamond-Core Phase 1 drilling programme for up to 5,000m has commenced at Chubb Central
- Phase 2 and 3 drilling programs will be subject to further mapping and sampling of other areas of pegmatite outcropping at both Chubb Central and Chubb North

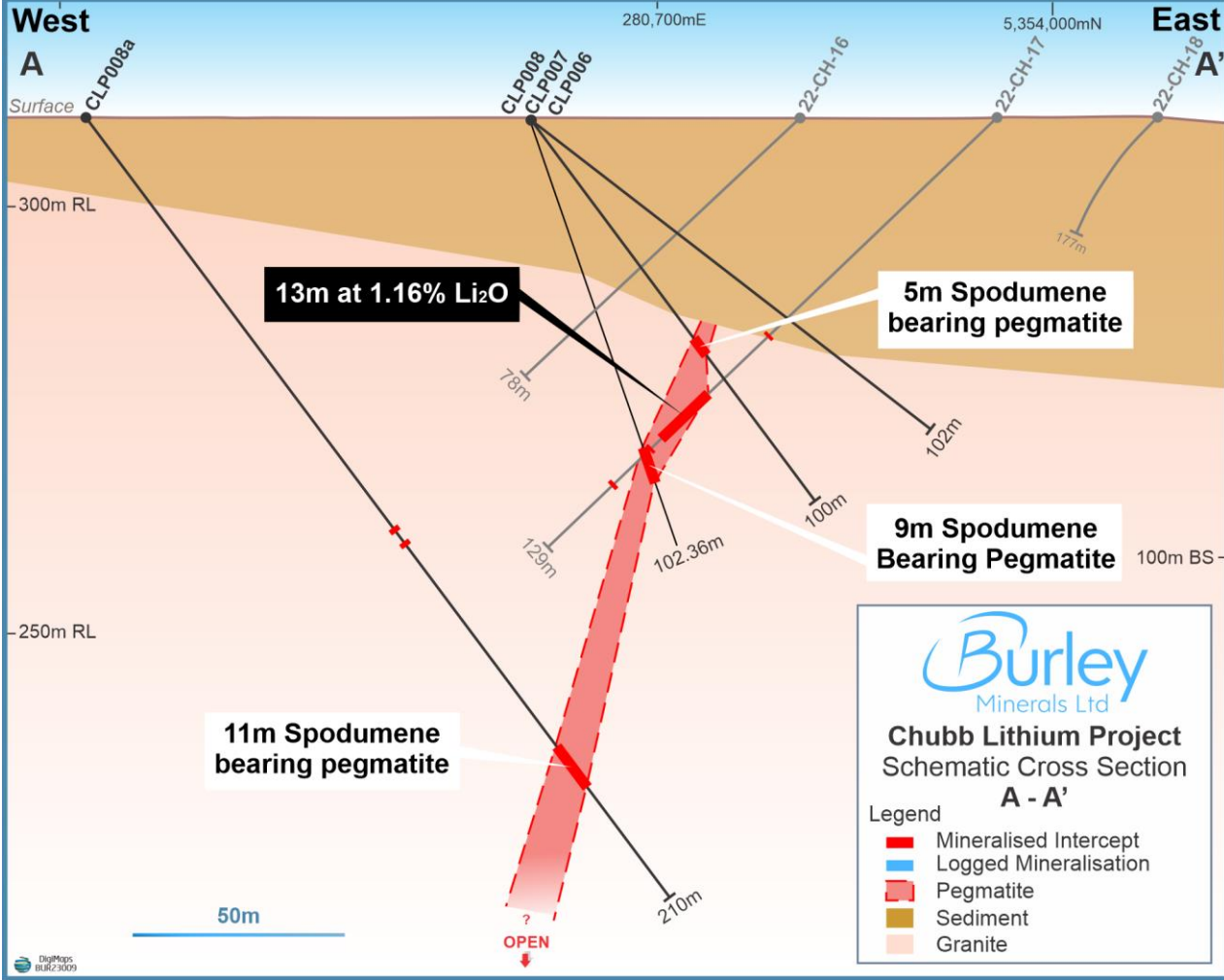
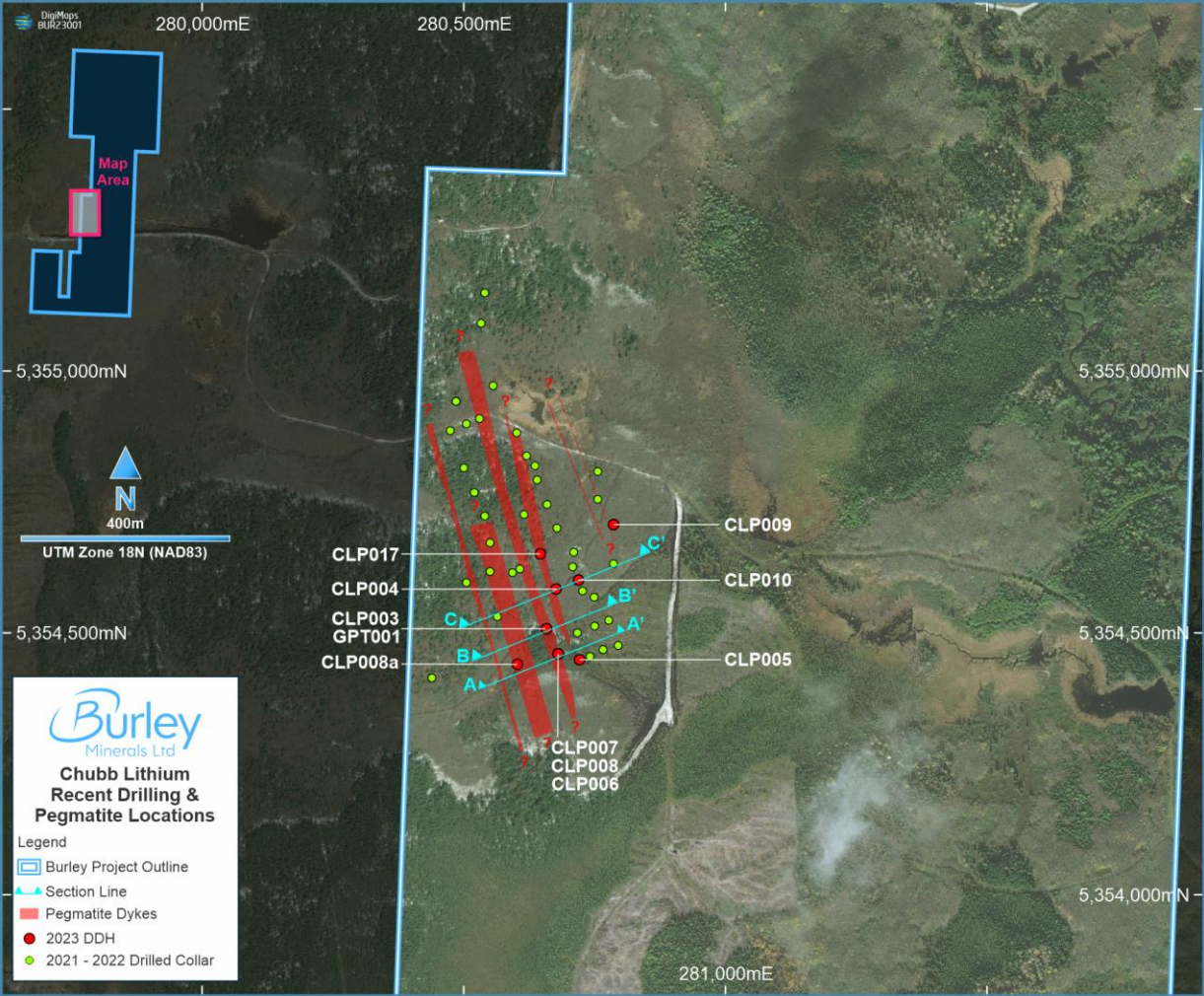
## Parallel and multiple stacked Spodumene Dykes modelled and Targeted for Resource Estimate

- Historic drilling, and a recent holes have registering Spodumene intercepts, (not analysed for Li) <sup>7</sup> with the potential to extend Mineralisation to the South - beyond the 29 Holes drilled in 2021/22
- Mineralisation remains “OPEN” to NW and SE of known Li<sub>2</sub>O occurrences
- Drilling commenced on 5 April and ongoing
- Further results due shortly

<sup>7</sup> ASX Release 25 January 2023 – Chubb Mineralisation Modelling confirms Sizeable Lithium Target



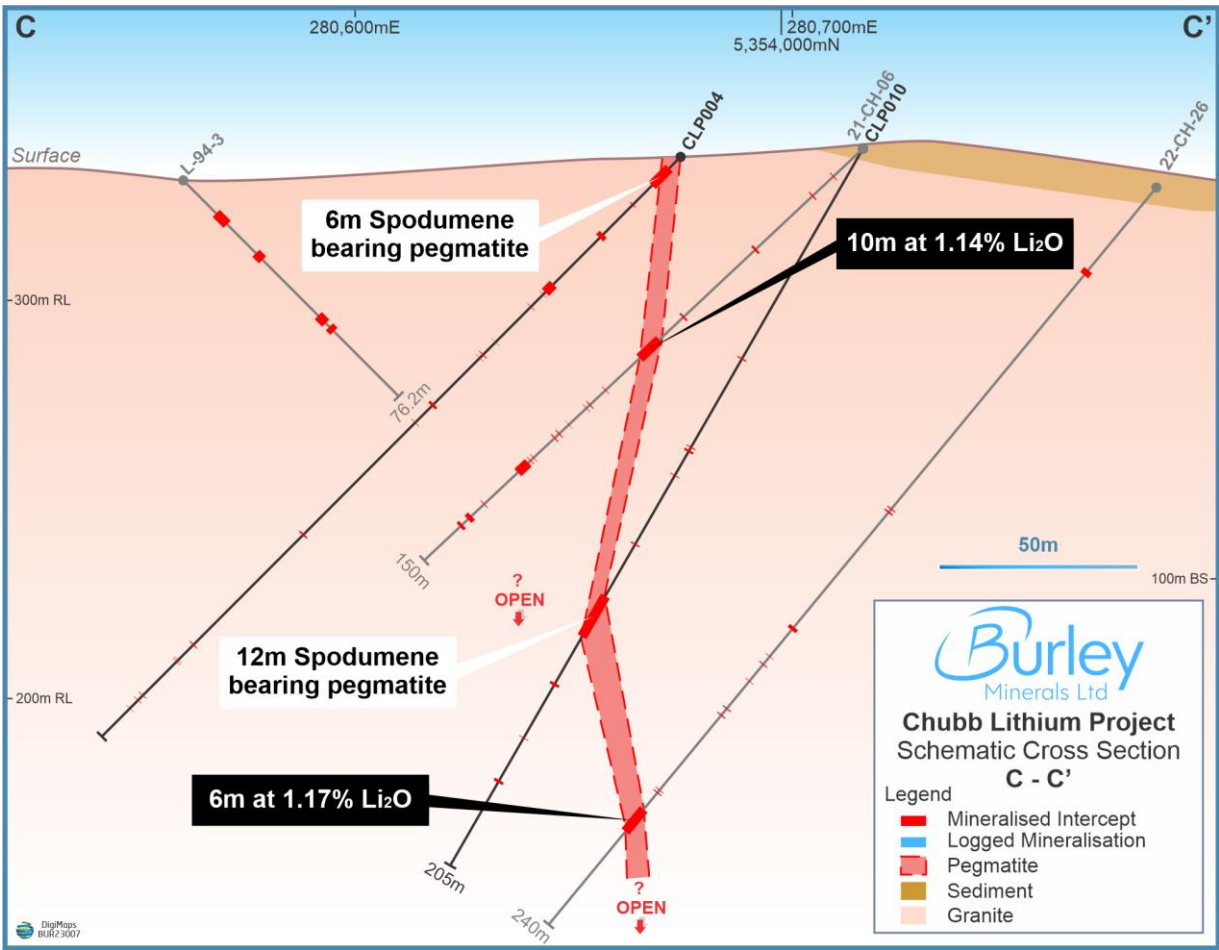
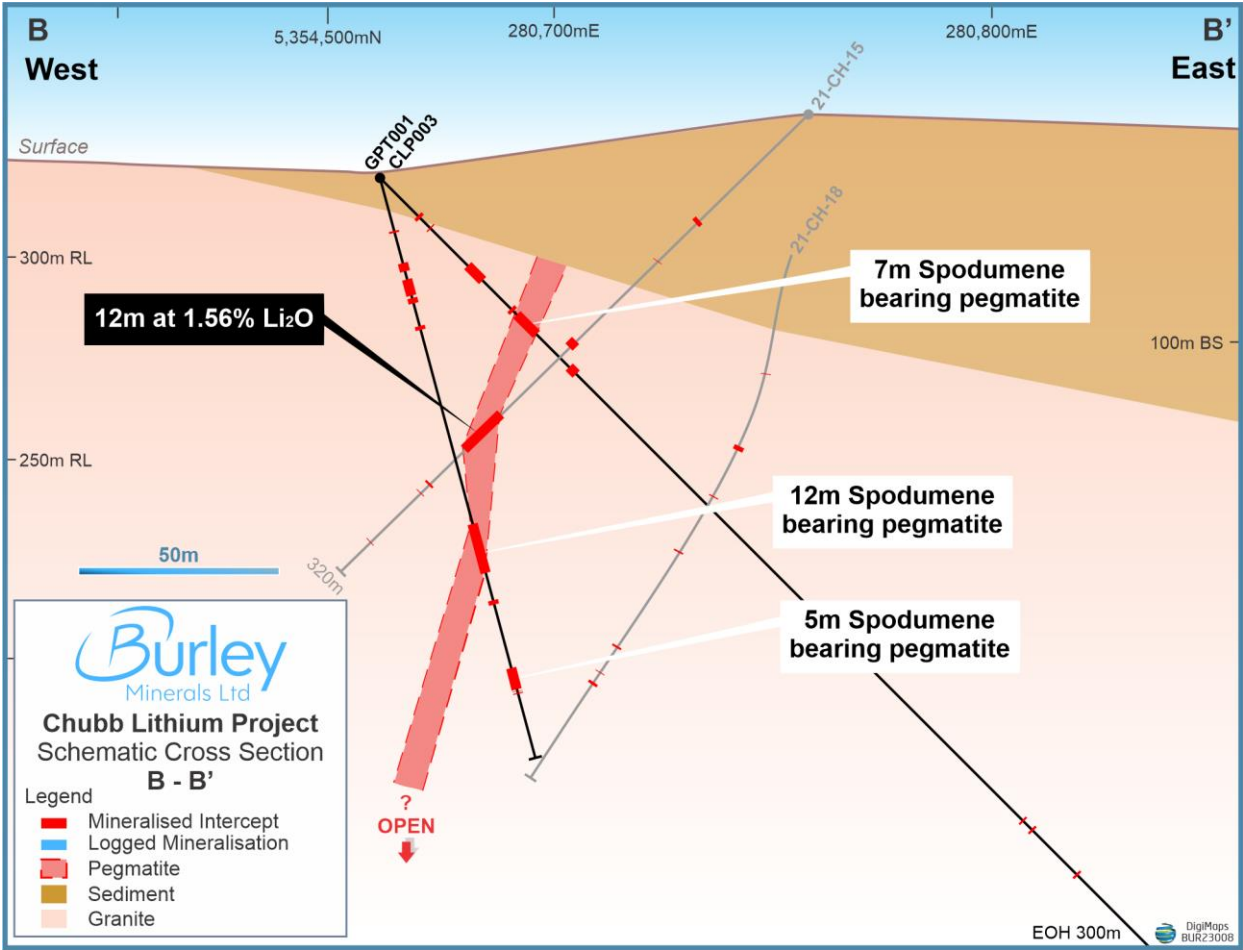
# Chubb Lithium Project - Drilled Li-Dykes and Cross Section Targets



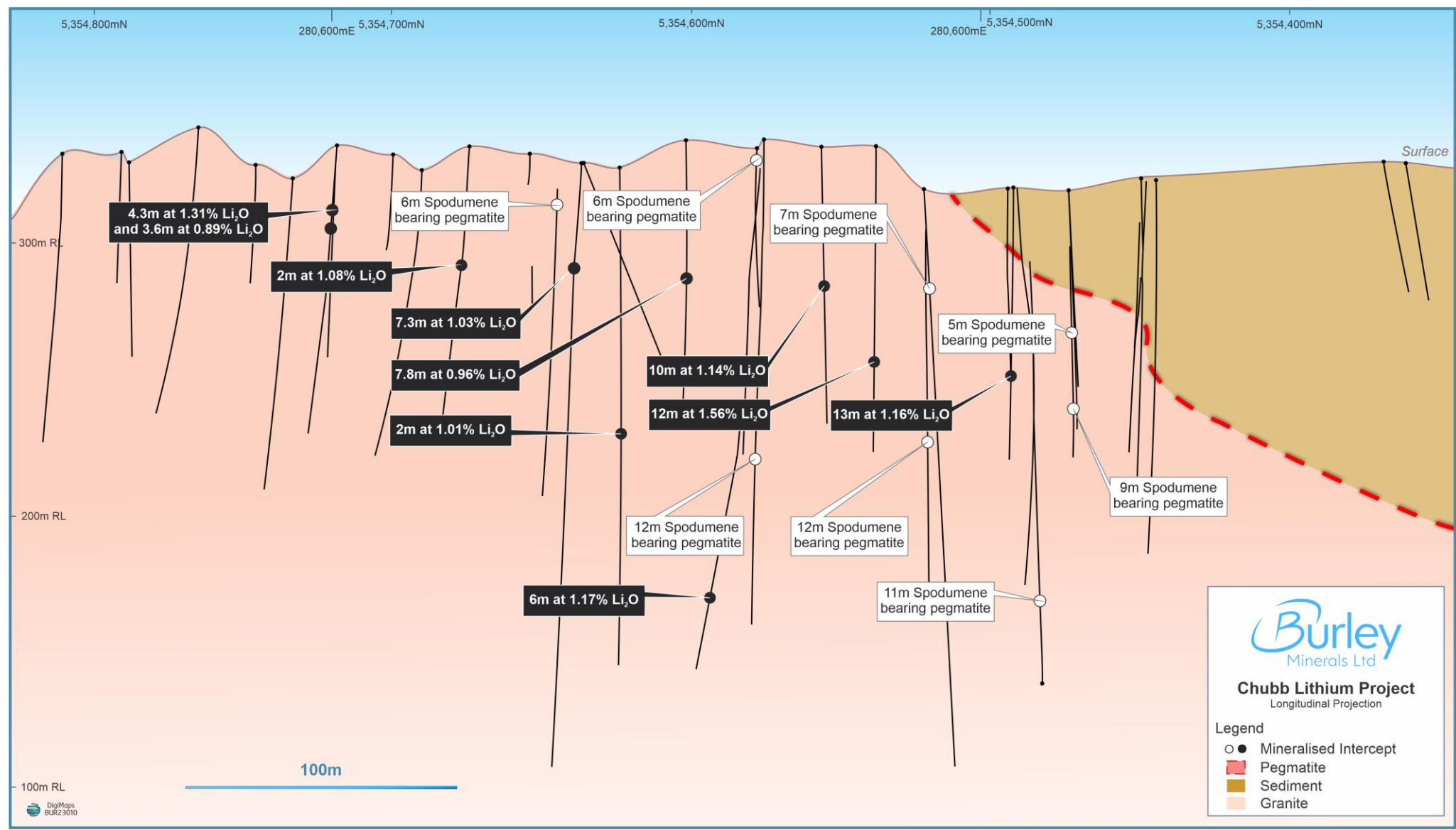
ASX Release 5 May 2023 – Burley’s maiden drilling at the Chubb Lithium Project identifies spodumene mineralisation up to 12m widths



# Chubb Lithium Project - Drilled Li-Dykes and Cross Section Targets

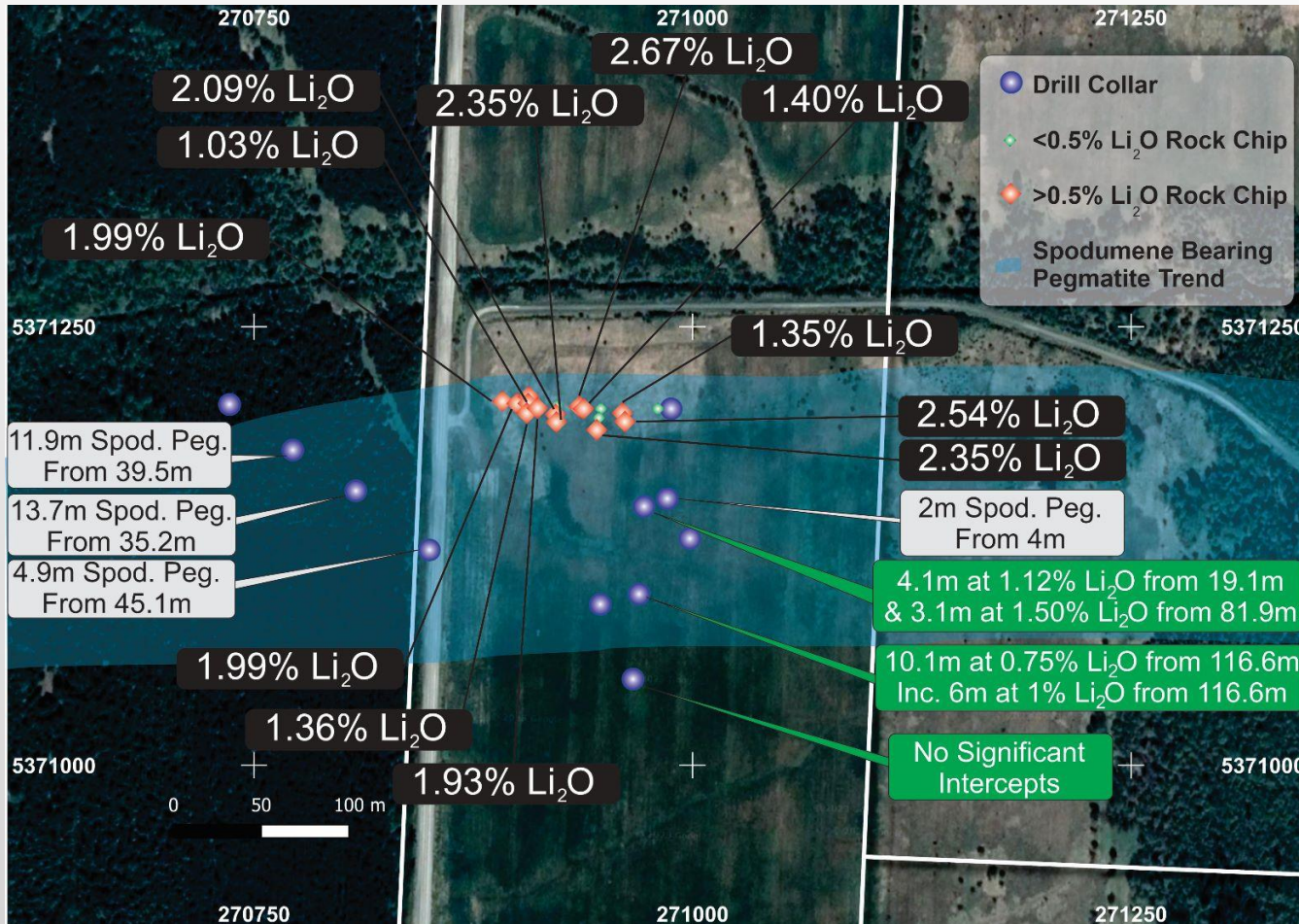


# Chubb Lithium Project - Longitudinal Cross Section





# Bouvier Lithium Project - acquiring 100% interest



## High-grade Li<sub>2</sub>O Zones:

- Historic Rock Chips up to 2.67% Li<sub>2</sub>O<sup>8</sup>
- Trenching confirmed 120m at 1.51% Li<sub>2</sub>O in spodumene mineralisation<sup>8</sup>

## Historic Drilling by Lithium Americas Corp in 1950's intercepted<sup>8</sup>:

- 13.7m of logged spodumene pegmatite from 35.2m in hole 7
- 11.9m of logged spodumene pegmatite from 39.5m in hole 8
- 7.0m of logged spodumene pegmatite from 17.7 m in hole 1

Whilst spodumene has been observed and logged in the historical drilling the relative abundance of spodumene was not recorded. No chemical assays were undertaken from this drilling and no estimate as to the lithium grades can be determined based on the historical geological logging. There is no certainty that the logged pegmatites will contain lithium mineralisation.

## Recent Drilling

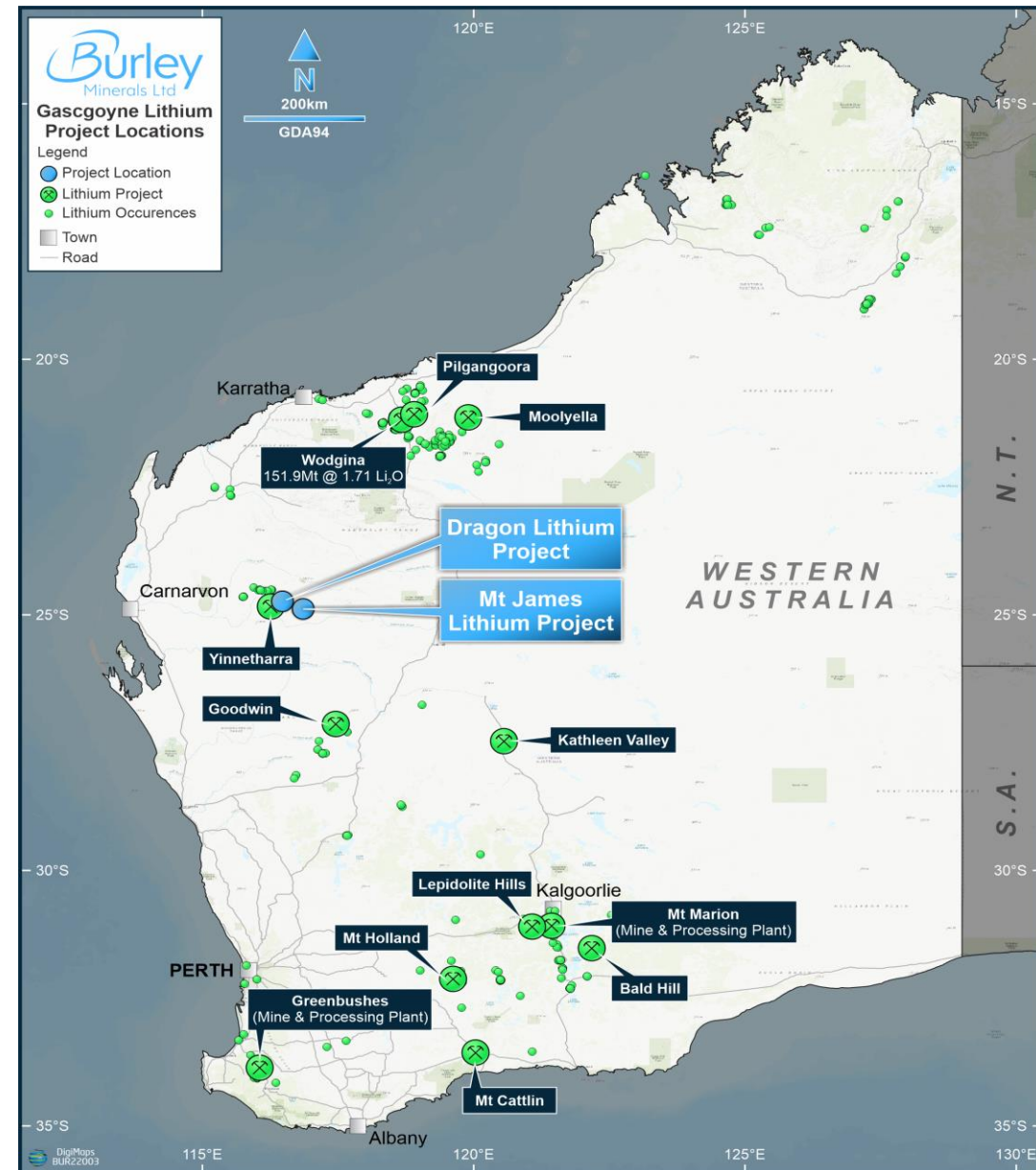
- Three recent holes (drilled 2022) have registering spodumene intercepts and were analysed for Li<sub>2</sub>O with the potential to extend mineralisation east-west<sup>8</sup>
- Mineralisation remains "OPEN" to East and West of historic trenching

<sup>8</sup> ASX Release 3 April 2023 – Burley to acquire 100% Ownership of Bouvier Lithium Project, Quebec, Canada. Refer to appendix "Historical Drill Collar Lithological Logs" for individual reports and page numbers. (GM01336C Drill Logs 1951, GM01336D Drill Logs 1953) and also refer to NI43-101 Report prepared by Michel Boily, 2016, "The Chubb and Bouvier Lithium Properties, Preissac-Lacorne Plutonic Complex, Abitibi Subprovince Quebec, Canada z' (NTS sheets 32D08 and 32C05).

# Gascoyne Lithium Projects

## Mt James and Dragon Lithium Projects

- Located within the same corridor as that of the Yinnetharra Lithium Project- recently owned by Red Dirt Metals Ltd (ASX: RDT)
- Numerous known pegmatites are located throughout both project sites
- A process of geophysical interpretation and potential resource target areas is being devised to rank and prioritise pegmatite targets
- Field reconnaissance, sampling and testing of the pegmatites for Lithium-bearing spodumene - scheduled for Q2 CY 2023





# Corporate Investment Summary

## A PORTFOLIO OF ASSETS IN WORLD CLASS TIER 1 MINING PROVINCES

### Chubb and Bouvier Lithium Projects

- A strategic opportunity to explore in the heart of the world-class lithium province of Quebec, Canada
- Both Projects within a 20km radius of Canada's only operating lithium mine and concentrator
- Ongoing exploration targeting and drill results in short and medium term
- Continuing to review further acquisition opportunities

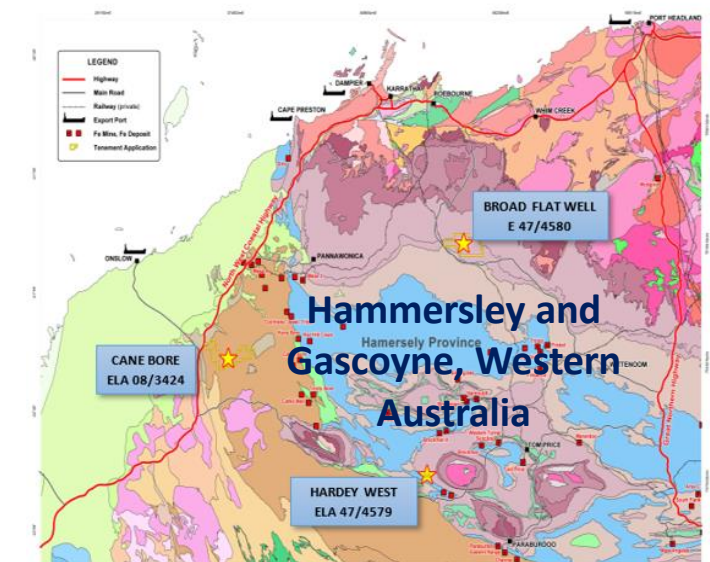
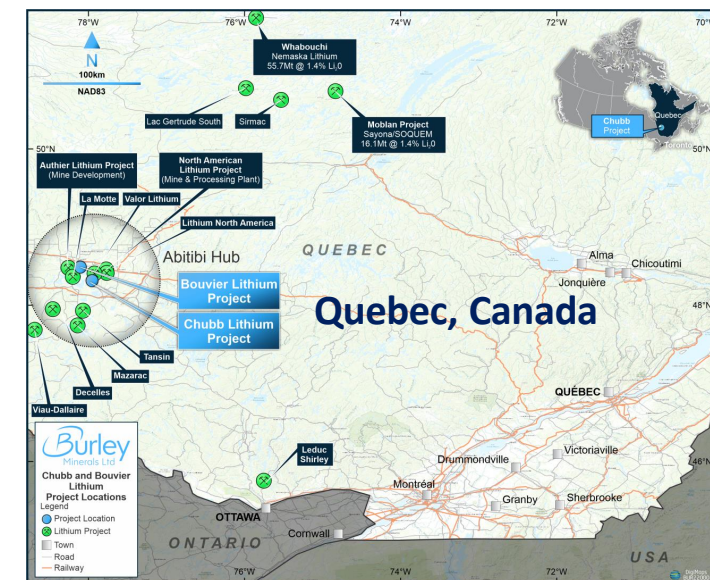
**Gascoyne Lithium Projects** - located within the same geological corridor as that of the large Yinnetharra Lithium Project, with numerous known pegmatites located throughout both Projects.

### Significant inherent value in the Iron Projects

- Iron ore in the world class Hamersley Iron Ore Province have evidence of both scale and economic grades for potential development and marketing
- Yerecoin Iron Project – large resource premium iron concentrate at 68.1% Fe - suitable for Direct Reduction Iron Processing and “Green Steel” production

### Tight Capital Structure with only 88m Shares

### Experienced management team in lithium, exploration, mine development and operations







For further information please contact:

**WAYNE RICHARDS**

MANAGING DIRECTOR

**+61 (8) 9322 6283**

**ASX: BUR**