



## ASX Announcement

21 March 2023

### Updated Presentation - Paydirt's 2023 Battery Minerals Conference

Burley Minerals Limited (ASX: BUR, "**Burley**" or "**the Company**") attaches an updated presentation to be presented by Chairman, Bryan Dixon at Paydirt's 2023 Battery Minerals Conference in Perth at 4.20pm WST on 22 March 2023.

Slide number 13 containing a mineralised outcrop image has been deleted from the previous presentation.

This announcement has been authorised for release by the Board of Directors.

For further information, please contact:

Bryan Dixon  
Non-executive Chairman  
Burley Minerals Limited  
+61 (8) 3228 6283  
[bryan@burleyminerals.com.au](mailto:bryan@burleyminerals.com.au)

Wayne Richards  
Managing Director & CEO  
Burley Minerals Limited  
+61 (8) 3228 6283  
[wayne@burleyminerals.com.au](mailto:wayne@burleyminerals.com.au)



# Maiden drill campaign about to commence at Chubb Lithium Project in the Quebec



ASX:BUR



Paydirt's Battery Minerals Conference, March 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

<b>8<sup>th</sup> February 2023</b>	Acquisition of Chubb Lithium and Gascoyne Lithium Projects Complete
<b>24<sup>th</sup> January 2023</b>	Chubb Mineralisation Modelling confirms Sizeable Lithium Target
<b>12<sup>th</sup> January 2023</b>	Chubb Lithium Project Update – Quebec (Canada)
<b>17<sup>th</sup> November 2022</b>	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 Paul Dunbar, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy (AusIMM) and the Australian Institute of Geoscientists (AIG). Mr Dunbar is a consultant to Burley Minerals and a full-time employee of Valuation and Resource Management Pty Ltd (VRM). Mr Dunbar 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 Dunbar 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, Copper and Gold 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 – 100% Interests

### 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>
- Diamond core resource drilling program scheduled for end of March 2023 commencement
- Immediate proximity to multi-billion \$ ASX-listed Lithium Companies - Sayona and Piedmont – with working mines and concentrator within 10km of the Project

### 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 Project

1: Refer ASX Release 17 November 2022 – *Burley to Acquire 100% Ownership of Strategic Canadian and Gascoyne Lithium Projects*

# 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>2</sup>
- **Hardey West** has Bedded Iron Formations within Brockman Iron Formations up to 62% Fe<sup>2</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>3</sup>
- Various studies completed by previous operators, included various production scenarios as well as evaluation of infrastructure solutions
- Drilling approvals are currently being progressed and a Land Access Agreement with a major Landowner was recently signed

2: Refer ASX Release 23 September 2021 - *Burley applies for Exploration Licences for Iron Ore in the Hamersley Province*

3: Refer May 26, 2021 Company Prospectus – *Section 10 for Independent Technical Assessment Report*



# Burley Mineral Ltd - Corporate Overview

## Corporate Structure

ASX Code	<b>BUR</b>
Current Shares on Issue	<b>88.1 M</b>
Options – exercise \$0.30	<b>7.55 M</b>
Performance Rights	<b>7.5 M</b>
Cash (31 December 2022)	<b>\$3.3M</b>
Share Price (20 Mar 2023)	<b>\$0.19</b>
Market Capitalisation	<b>\$16.7M</b>

## 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 roles including with Resolute Ltd, Lithium Australia NL and Blackham Resources Ltd and currently is 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.

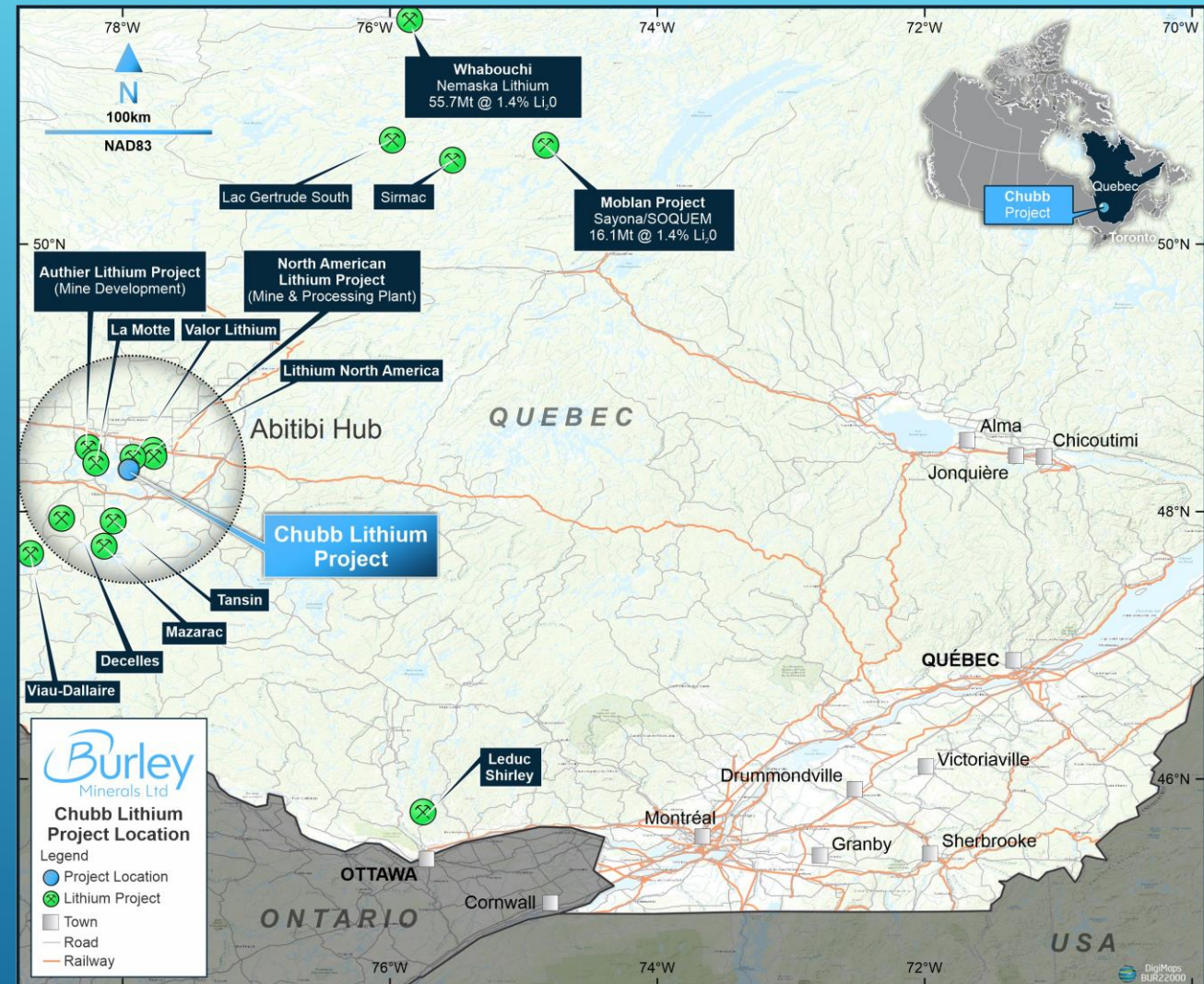
# Chubb Lithium Project - World Class Lithium Province of Quebec, Canada

## Excellent Location in Tier 1 Lithium Province

- Located in the south west corner of Quebec, Canada and within 400km of Montreal, Quebec and Ottawa
- Proximal to working Lithium mines and the only hard-rock spodumene concentrator in Quebec – NAL JV Plant
- Full-year access to Chubb Lithium site via local towns within 20 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 3km West of Project boundary
- 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 Lithium Project - Proximity to \$B Working Mines and Concentrator

## Working Mines and Concentrator

- Sayona Mining Ltd (ASX: SYA) and Piedmont Lithium Inc's North American Lithium mines, operations, and Mineral Resources totalling 119Mt @1.1% Li<sub>2</sub>O. NAL is located 10km North-East of the Chubb Lithium Project <sup>1</sup>
- Authier Lithium Project operates as a satellite Mine for the NAL J.V. Concentrator
- Chubb Property is located on relatively flat ground with established logging tracks within the Mineral Claims – easy access for mapping and drilling – post Winter

## Historic Drilling and Mineral Claims

- Historic drilling has confirmed presence of spodumene bearing lithium pegmatites in shallow, multi-stacked parallel dykes extending along strike of 560m and a corridor of 240m wide
- Early-stage modelling has confirmed the presence of potentially 5 parallel dykes in the central west region of the Chubb Mineral Claims
- Total Mineral Claims (35 Contiguous) totalling 1,509 Ha



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



# Quebec- Canada's Premier Lithium Exploration & Development Province



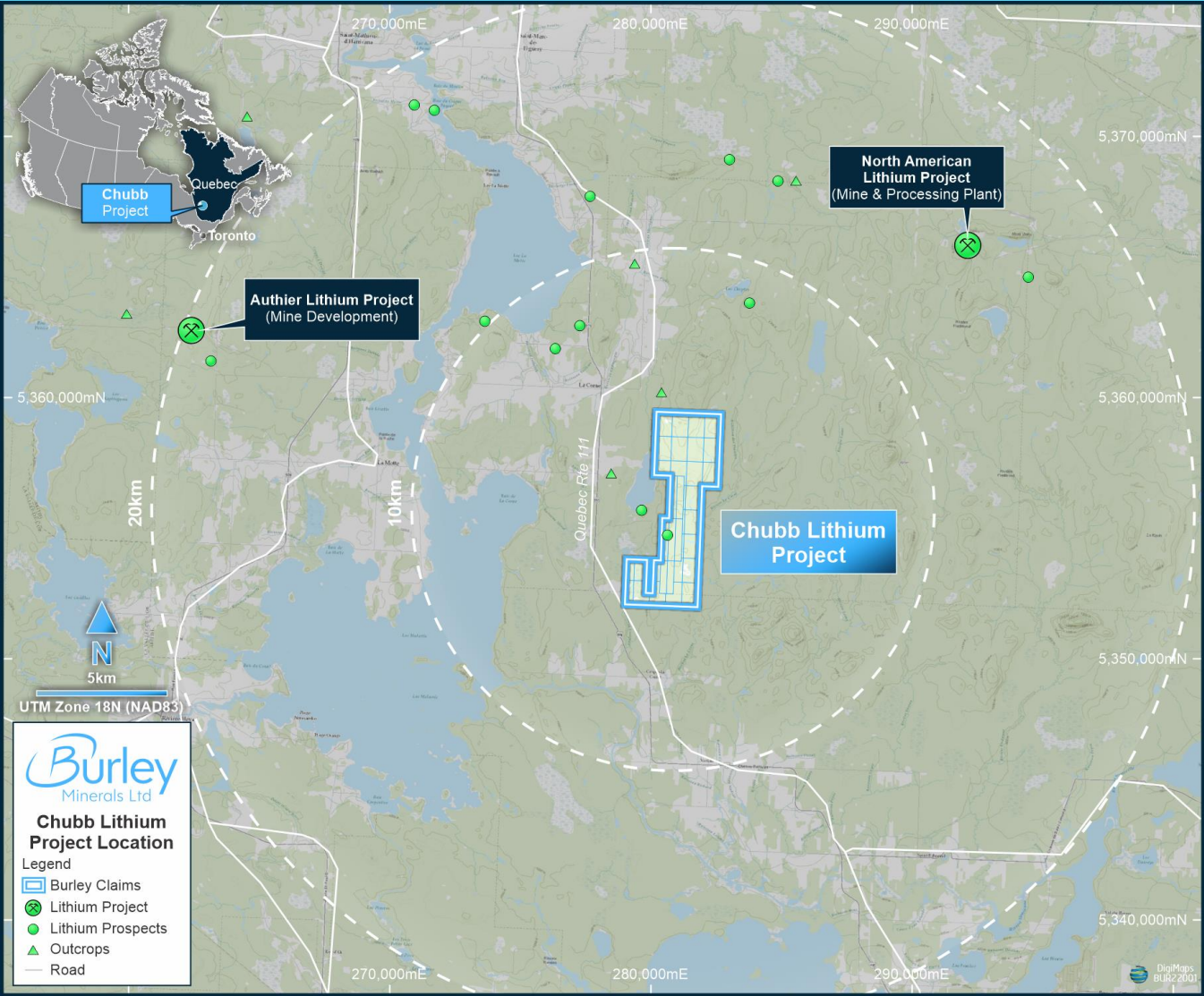
Quebec is considered to be in the top quartile by the Fraser Institute for the globally most attractive jurisdictions for mining investment. Multiple Lithium Mines operating within the Region.



Abundance of low cost, environmentally responsible hydroelectric power provides a direct cost advantage and reduction in carbon footprint



Proximity to North American end user markets within a stable, well established mining jurisdiction employing global industry best environmental practices

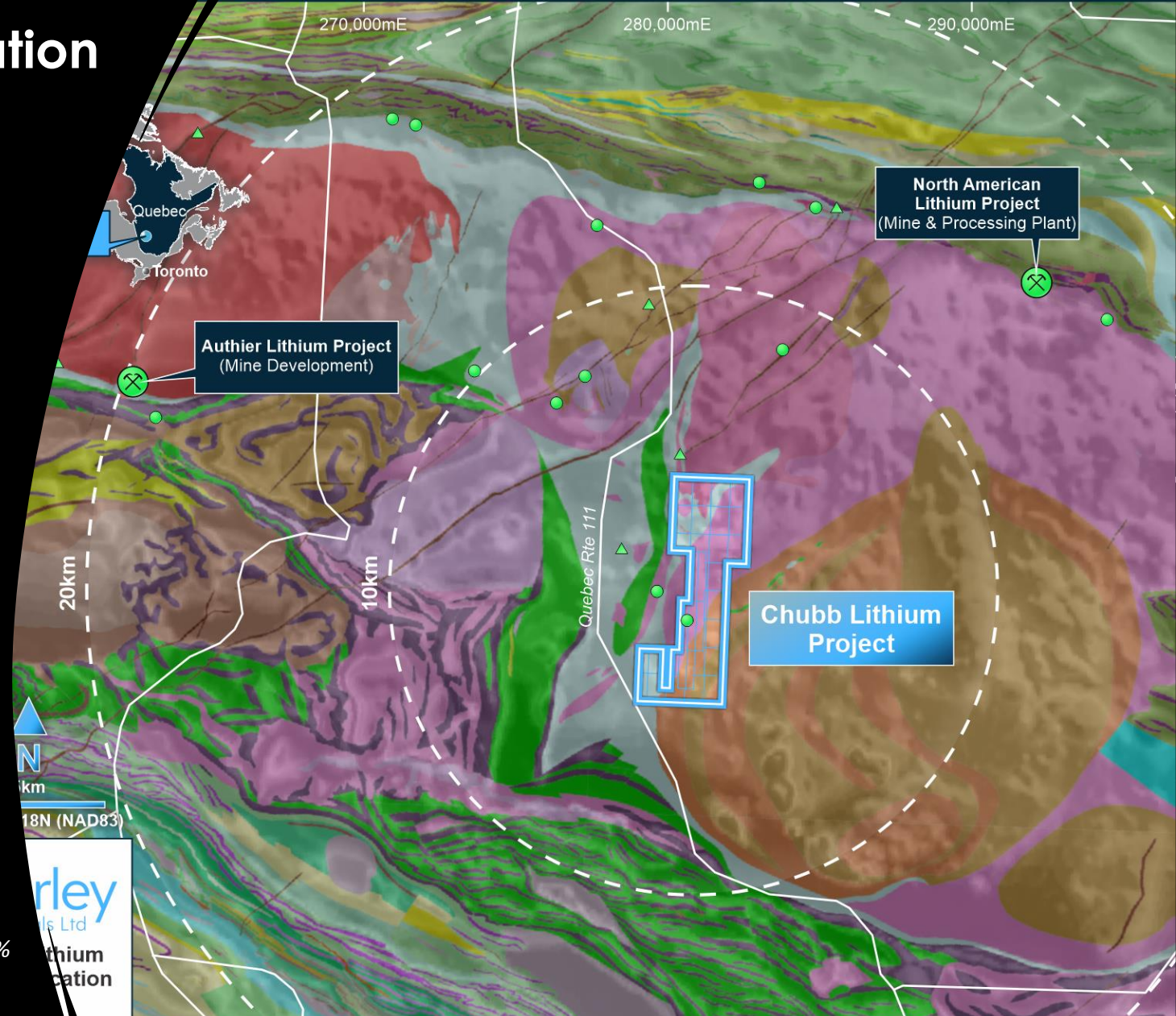




# Chubb Lithium Project - Historic Drilling and Lithium Intercepts

## Drill Proven Spodumene Mineralisation

- Drilling has intersected LCT spodumene bearing pegmatites with significant intercepts including:<sup>1</sup>
  - **12m at 1.57%  $\text{Li}_2\text{O}$**  from 108m in 21-CH-15
  - **11.8m at 1.28%  $\text{Li}_2\text{O}$**  from 83.2m in 22-CH-17
  - **9.0m at 1.26%  $\text{Li}_2\text{O}$**  from 69m in 21-CH-07
  - **6.3m at 1.18%  $\text{Li}_2\text{O}$**  from 54m in C-17-01
  - **5.8m at 1.24  $\text{Li}_2\text{O}$**  from 70.2m 21-CH-06
  - **5.8m at 1.21%  $\text{Li}_2\text{O}$**  from 202.2 in 22-CH-26
  - **5.4m at 1.24%  $\text{Li}_2\text{O}$**  from 31.2 in L-94-1
  - **2.3m at 2.34%  $\text{Li}_2\text{O}$**  from 32.3m in 21-CH-04
- Pegmatites defined over a **strike length of 870m within a corridor 240m wide**
- Drilling in 1950's by Lithium Americas Corp defined **spodumene bearing pegmatites over widths of 7.0 - 9.4m located 100-310m along strike**<sup>1</sup> of the above-mentioned results, but were not assayed
- **Drill programs designed and permitted for priority drill-ready targets in Central region**
- A geochemical sampling and mapping program is being formulated for the NW quadrant

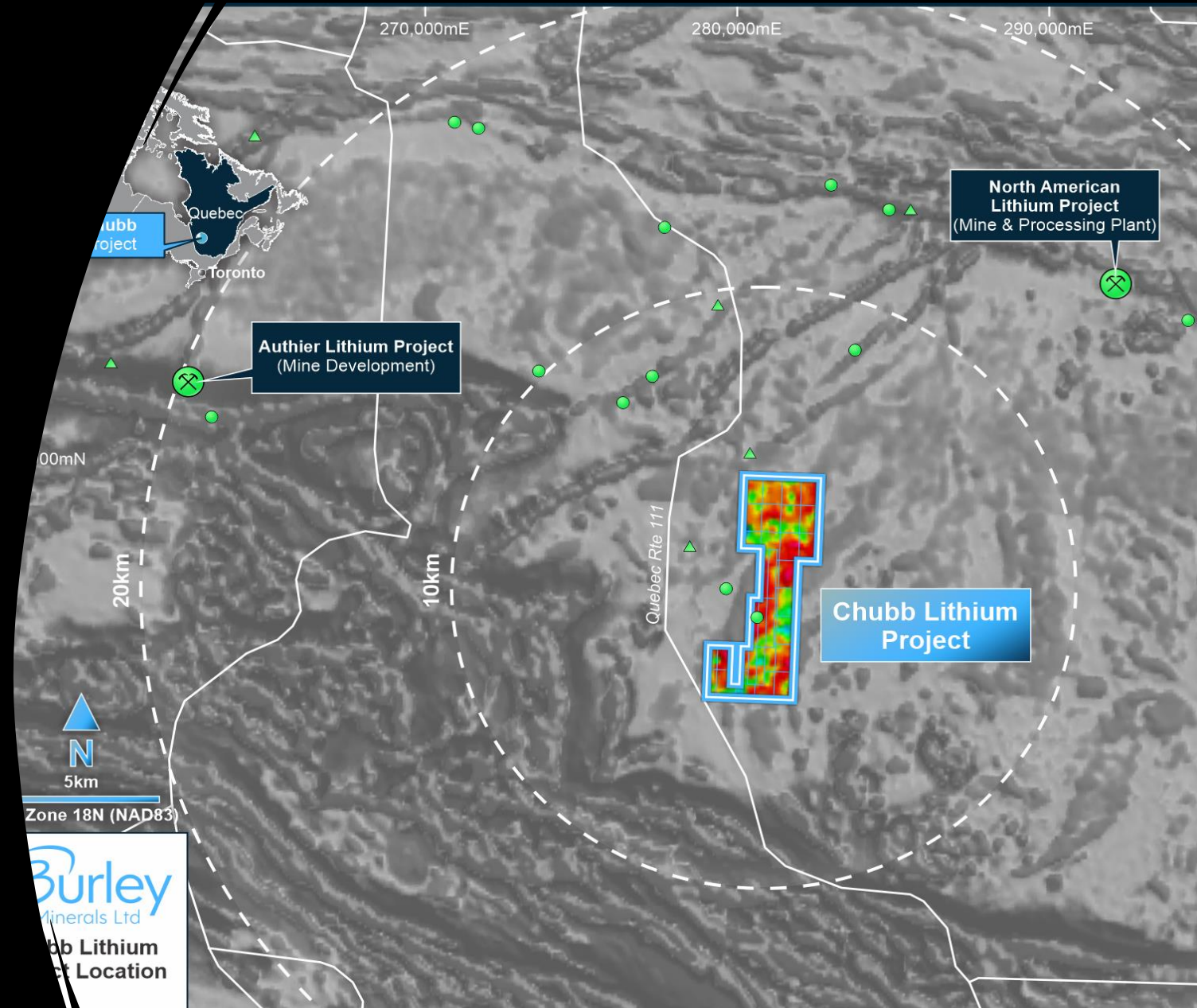




# Chubb Lithium Project - Local Spodumene Mines and Lithium Deposits

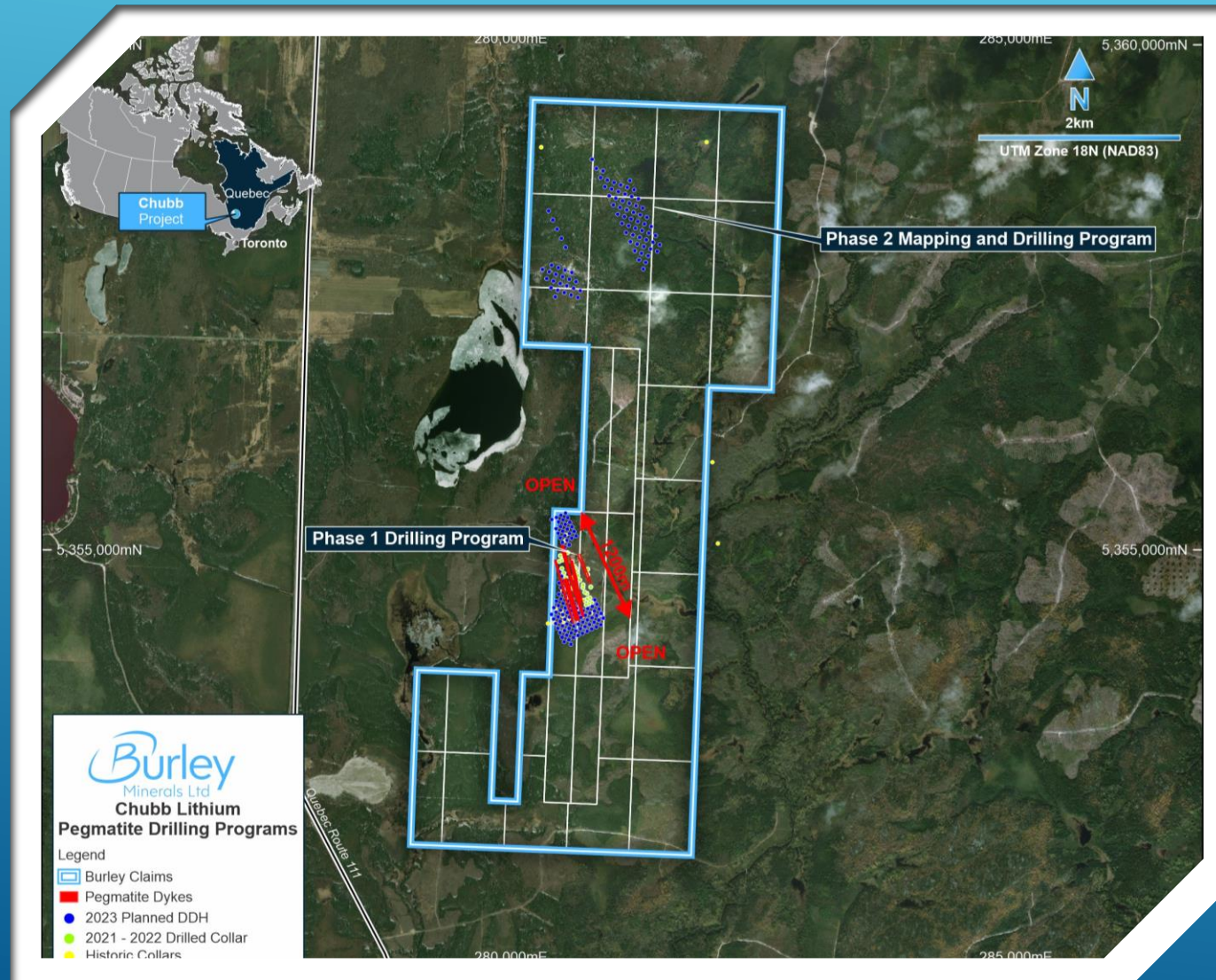
- **Chubb's Proximity to Lithium Mines & Mapped Lithium Deposits within a 20 km Radius**

- **Geotechnical Analyses shows potential of Region**
- Field Work and Diamond Core drilling commencement in March - to confirm Geological Structure, Lithology and ore Body orientation
- Mapping in the NW corner of the "Block" – (35 Mineral Claims) scheduled to commence in May/June – following Winter thaw
- **Gravity and Magnetic Geotechnical interpretations**
- Modelled geotechnical data to be mapped against topography and mineralization in Spring drilling Campaign
- Additional Targets to be confirmed via core drilling interpretation and mapping
- Database and down-hole surveying readied for March Drilling campaign





# Chubb Lithium Project - Drilling Targets and Phase Drilling Program



## ► Potential Strike length of 1200m

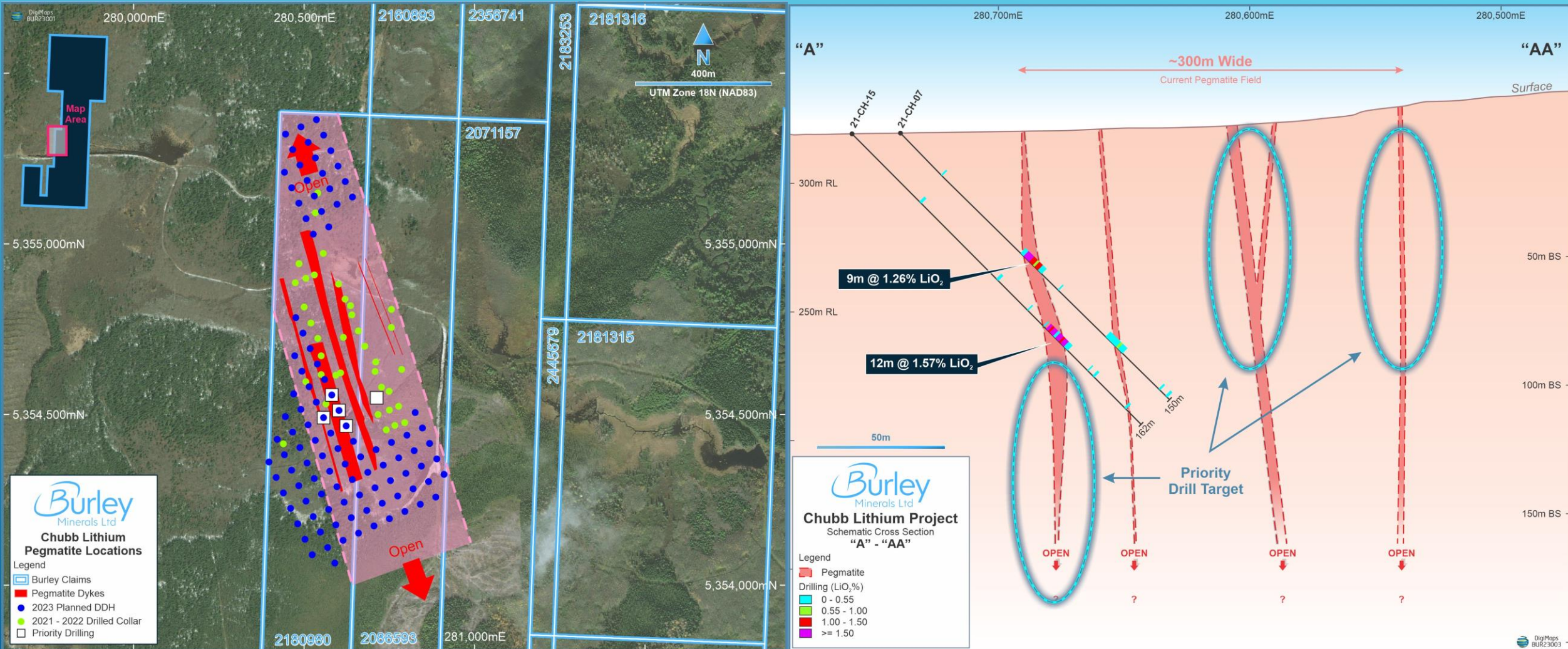
- A Permit for the Environmental Clearing and proposed Drilling Program(s) has been approved by MERN
- A Detailed Drill Target program was prepared for the Drilling Permit – Phase drilling in 5000m increments to be staged – subject to results and analyses

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

- Historic drilling, registering Spodumene intercepts, (not analysed for Li) <sup>4</sup> has potential to extend Mineralisation to the South - beyond the 29 Holes drilled in 2021/22.
- Mineralisation "OPEN" to NW and SE of known Li<sub>2</sub>O occurrences
- Drilling Contract and Metallurgical Laboratory Service Agreements Awarded in February 2023
- Drilling Commencement scheduled for March .

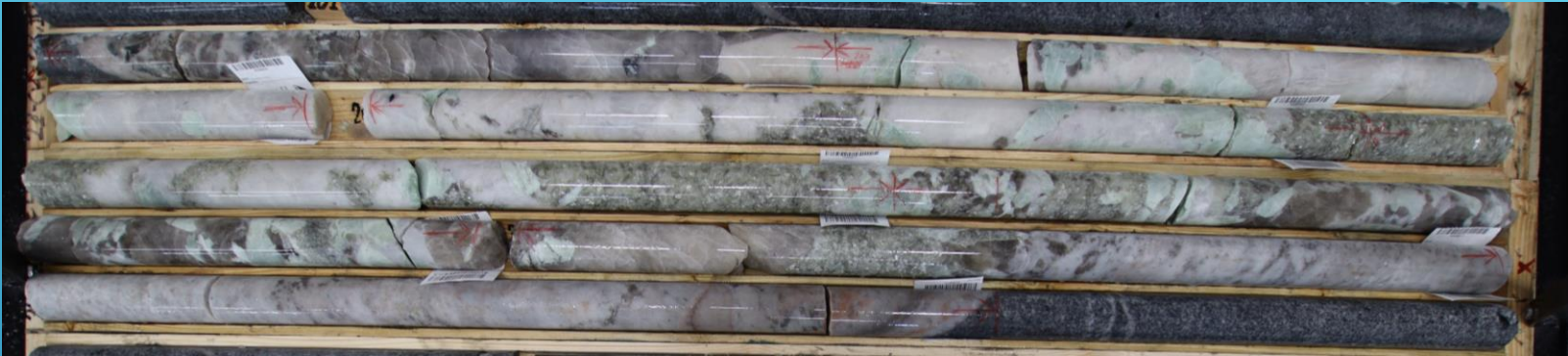
4: Refer ASX Release 25 January 2023 – *Chubb Mineralisation Modelling confirms Sizeable Lithium Target*



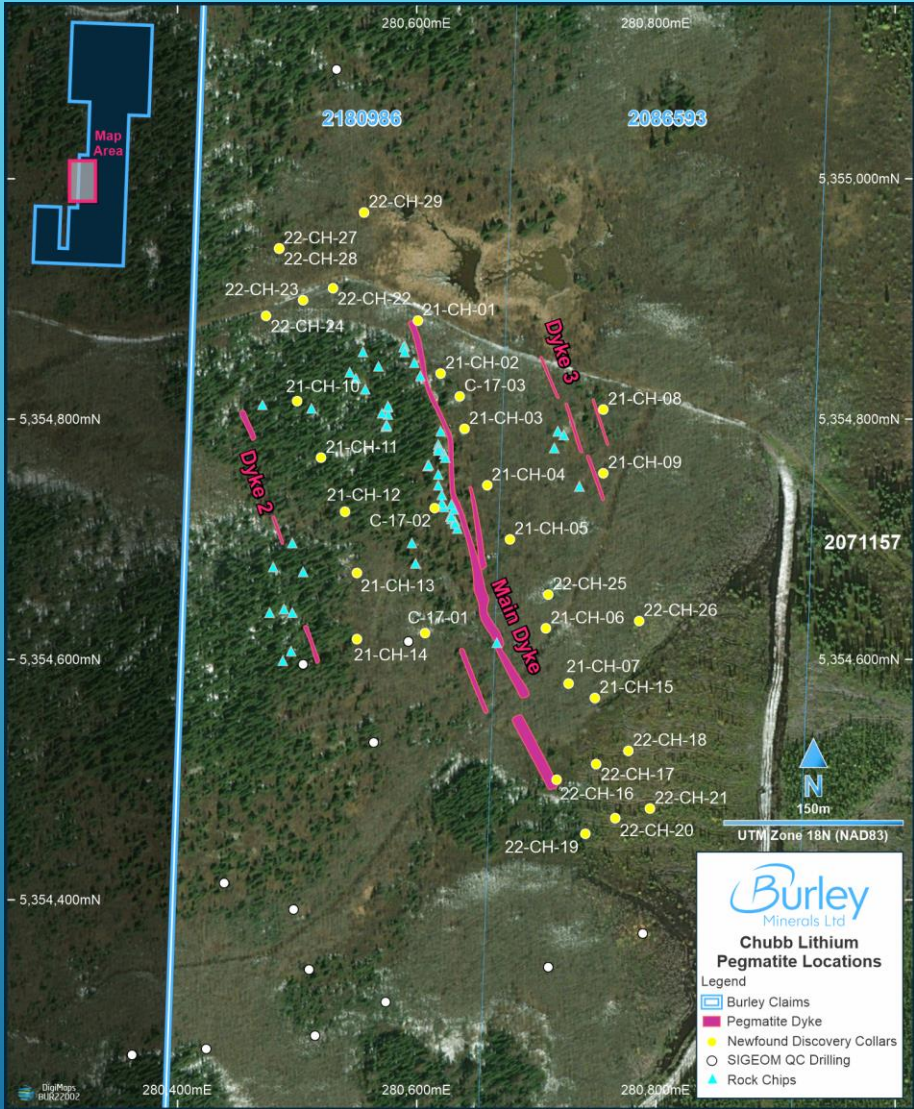




# Chubb Lithium Project - Spodumene in Drill Core/Location Map & Drill Rig



5.8m at 1.21%  $\text{Li}_2\text{O}$  from 202.2 in 22-CH-26

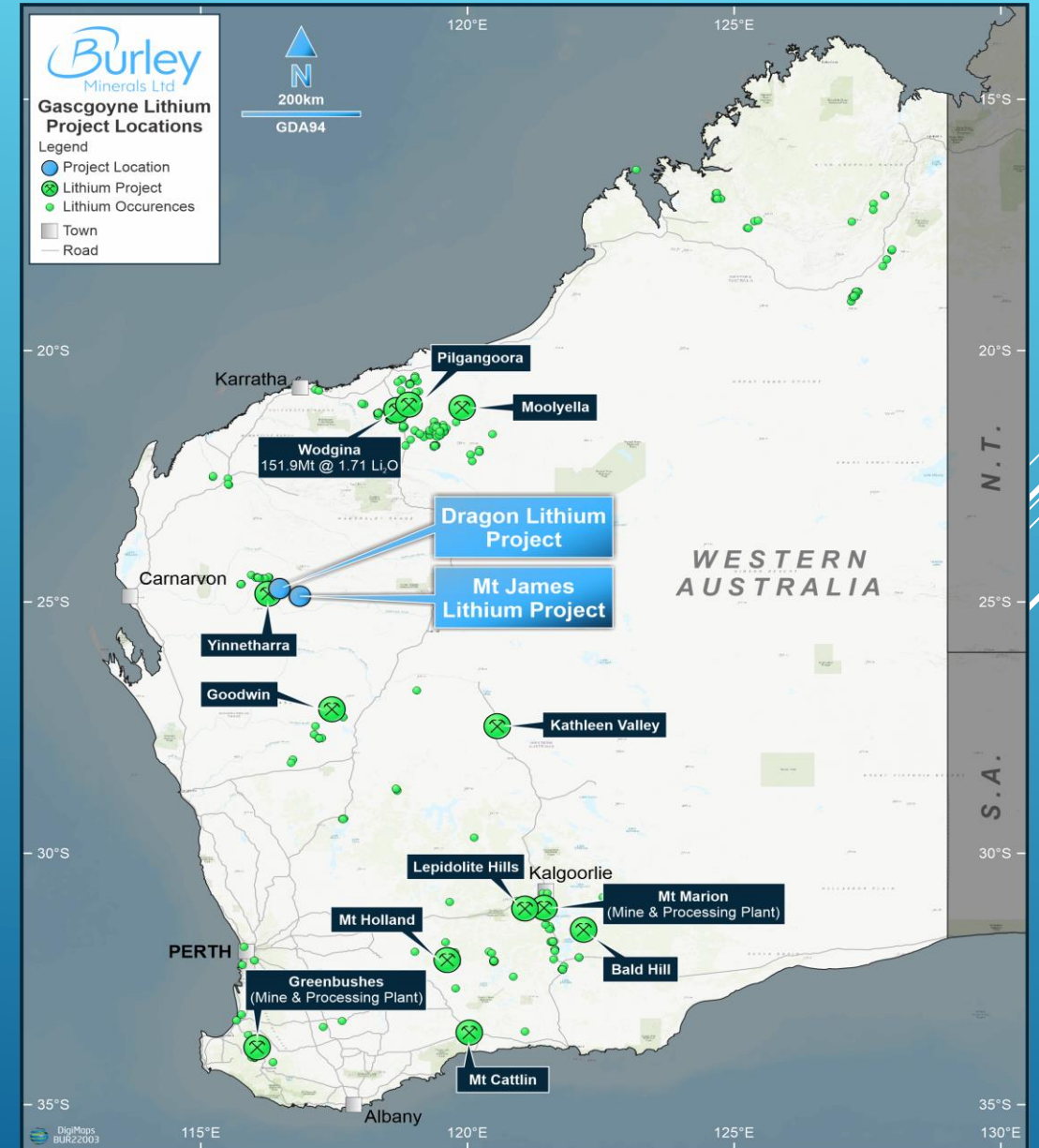




# Gascoyne Lithium Projects

## Mt James Li-Cu-Au Project 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.



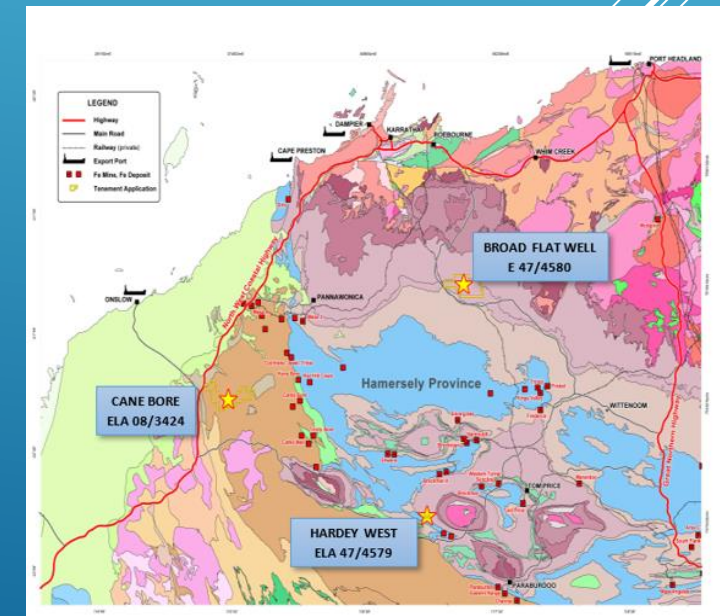
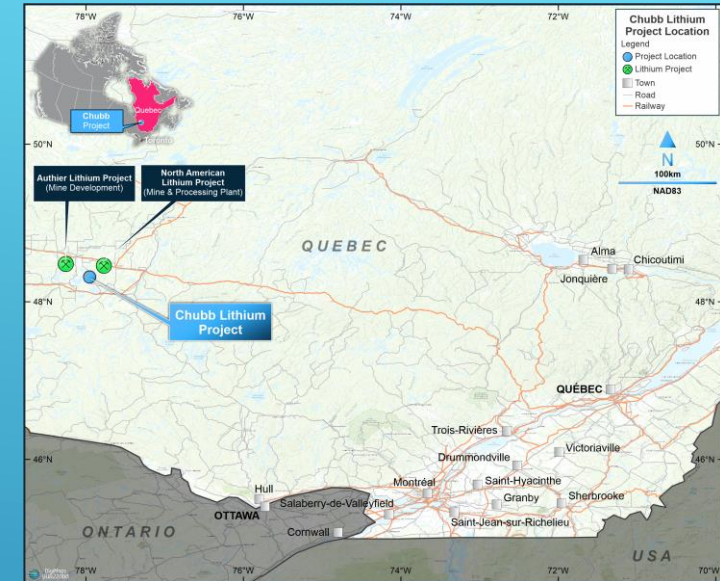
# CORPORATE INVESTMENT SUMMARY

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

- **Chubb Lithium Project** represents a strategic opportunity to further explore in the heart of the world-class lithium province of Quebec, Canada - surrounded by large lithium operating projects within a 20 km radius
- **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
- **Iron ore CID's** in the world class Hamersley Iron Ore Province **have evidence of both scale and economic grades for marketing**
- **Yerecoin Iron Project** – test work has confirmed the metallurgical capability of producing a **premium iron concentrate at 68.1% iron** - suitable for Direct Reduction Iron Processing and **“Green Steel”** production

**TIGHT CAPITAL STRUCTURE – 88 M Shares**

**EXPERIENCED MANAGEMENT TEAM** in exploration, mine and Study development and Plant commissioning/operations







**Burley**  
Minerals Ltd

For further information please contact:

**WAYNE RICHARDS**

MANAGING DIRECTOR

**+61 (8) 9322 6283**

ASX: BUR