

**SNOW LAKE** ⚡ **LITHIUM**  
NASDAQ: LITM 

ADVANCING TOWARDS A  
SECURE SOURCE OF NORTH  
AMERICAN LITHIUM

MARCH 2023

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# RECENT DEVELOPMENTS

## LG Energy Solutions MOU

Snow Lake Lithium and LGES will collaborate to explore the opportunity to create one of Canada's first lithium hydroxide processing plants in CentrePort, Southern Manitoba. Under the terms of the MOU, Snow Lake Lithium will supply LGES with lithium over 10 years once production starts in 2025.

## Metallurgy

Committed to launching a fully integrated operation from ore mining to hydroxide processing in order to supply the North American EV market.

## Feasibility

Snow Lake has commissioned a PEA to evaluate economic viability of the mining of the Thompson Brothers & Grass River lithium projects (expected in Q2 2023)

## Engineering

Snow Lake Lithium expecting to produce enough lithium to power five million electric vehicles over ten years in North America

## Baseline studies

The first step in progressing the environmental permitting process required for full scale commercial mining and production at the Snow Lake Lithium mine. Studies relating to environmental, First Nations, roads and power are well underway

## 20k drill campaign

Snow Lake has successfully completed over 20,000 meters of additional drilling on the Snow Lake Lithium project, tripling the amount of drilling that can be used towards the Company's resource expansion plans

# OUR STORY








## SNOW LAKE ⚡ LITHIUM

Snow Lake Lithium (Nasdaq: LITM) is committed to operating a sustainable lithium mine in northern Manitoba to supply the North American lithium market



# SNOW LAKE LITHIUM

## INVESTMENT HIGHLIGHTS

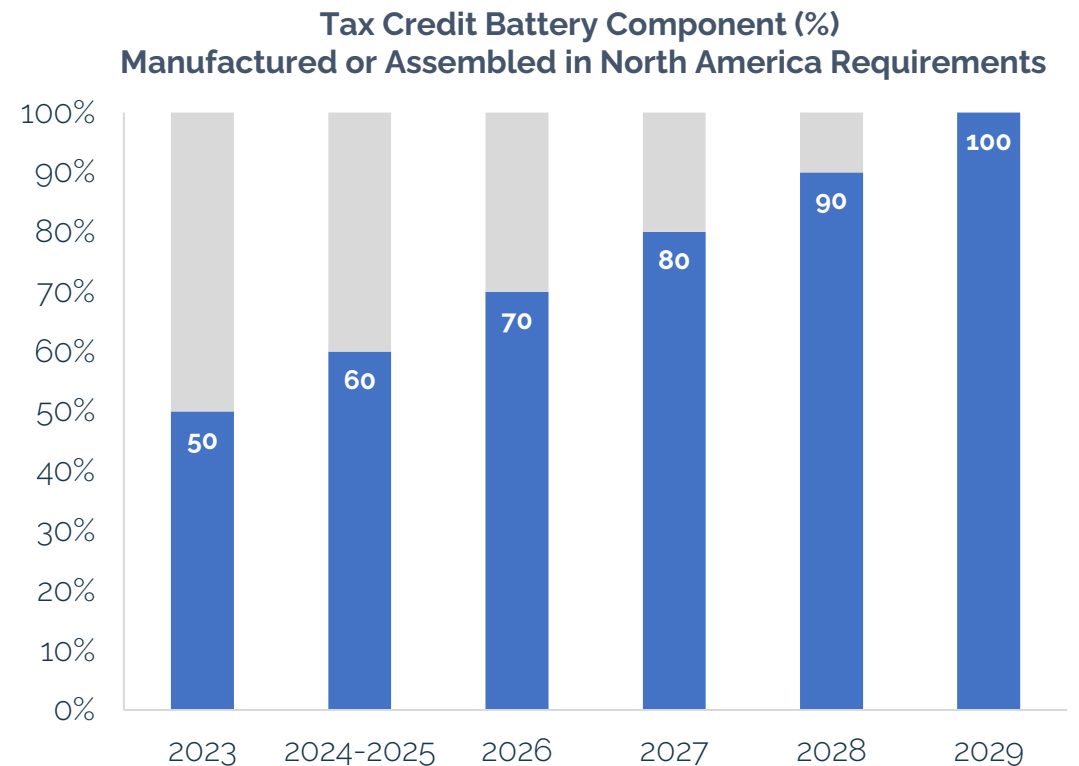
-  Vertically integrated through our partnership with LG Energy Solution
-  Geographic proximity to the expanding North American electric vehicle supply chain positions us as an integral provider of sustainable raw materials
-  Based on current resource, a fully functioning lithium mine could produce 160,000 tonnes per annum of 6% lithium spodumene concentrate over an 8-10 year period. Which would equate to 500k electric vehicles per year.
-  59,587-acre site has only been 1% explored and already uncovered 11.1 million metric tonnes indicated and inferred resource at 1% Li<sub>2</sub>O. Over 20,000 meters of new drilling completed in 2022, which will be incorporated into a resource update in April 2023
-  Leadership team of experienced mining executives and operators, with a track record of de-risking and delivering

# SIGNIFICANT TAILWINDS DRIVEN BY RECENT U.S. LEGISLATION

## Inflation Reduction Act (IRA) set to increase domestic battery and critical mineral production

The Inflation Reduction Act, which was signed into law on August 16th, 2022, marks the most significant climate legislation in United States history and has streamlined approximately **\$370 billion** in climate and clean energy investments

- The IRA extends the Section 30D **\$7,500 tax credit** for electric vehicles (through 2032) that satisfy several benchmarks regarding qualified manufacturers, the sourcing of battery materials, and final assembly within North America. In addition, the federal tax credit related to EV charging equipment has been extended through 2032.
- The \$7,500 tax credit is comprised of two sections, (1) **\$3,750 for the critical minerals** either extracted in the US (or country with which US has free trade agreement) or recycled in North America and (2) **\$3,750 for the battery components** (further details below).
- With respect to the battery from which the electric motor of such vehicle draws electricity, the percentage of the value of components contained in such battery that are manufactured or assembled in North America must be equal to or greater than the applicable percentage:



# SNOW LAKE LITHIUM AND LGES SUPPLY CHAIN AGREEMENT

SNOW LAKE ⚡ LITHIUM™  
fully renewable fully electric™

LG Energy Solution

**Snow Lake Resources Ltd., d/b/a Snow Lake Lithium Ltd. (Nasdaq:LITM) ("Snow Lake Lithium") has signed a non-binding Memorandum of Understanding (MOU) with LG Energy Solution (LGES: KRX 373220) as a next step towards building the domestic supply chain for the North American electric vehicle market**

Snow Lake Lithium and LGES will collaborate to explore the opportunity to create one of Canada's first lithium hydroxide processing plants in CentrePort, Southern Manitoba. Under the terms of the MOU, Snow Lake Lithium will supply LGES with lithium over 10 years once production starts in 2025

LGES, a subsidiary of LG Energy Solution, is a leading global manufacturer of lithium-ion batteries for electric vehicles, mobility, IT and energy storage systems

LGES's robust global network, which spans North America, Europe, Asia and Australia, includes battery manufacturing facilities established through joint ventures with major OEMs such as General Motors, Honda, Stellantis N.V. and Hyundai Motor Group

Map of the 7 committed Gigafactories



# SNOW LAKE LITHIUM AND LGES PATHWAY TO GREENER FUTURE

**SNOW LAKE LITHIUM™**  
fully renewable fully electric™

**LG Energy Solution**



LG Energy Solution is a specialised company that provides a variety of energy solutions in Advanced Automotive, Mobility & IT and ESS



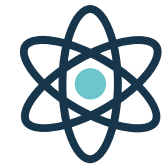
LG leads in the fast-growing green energy sector and global EV market with a social responsibility strategy that promotes 8 critical areas that relate to the environment and climate action. The environment sectors are human rights, safety, and society and the climate action sectors are, closed-loop, human capital, and responsible supply chain management



As the first South Korean battery manufacturer to join RE100, LG Energy Solution is protecting the environment by advancing the goal of transitioning all businesses to 100% renewable energy 20 years ahead of the suggested schedule



LGES is expanding its R&D, manufacturing, and sales bases throughout key regions, including South Korea, China, and the United States over the next three years



In 2022 LGES established 'NextStar Energy' with Stellantis - a 45GWh gigafactory in Ontario



# UPCOMING CATALYSTS FOR FUTURE GROWTH

## Current estimates for timing of upcoming catalysts at Snow Lake Lithium Project



# CAPITAL STRUCTURE

## CAPITAL STRUCTURE

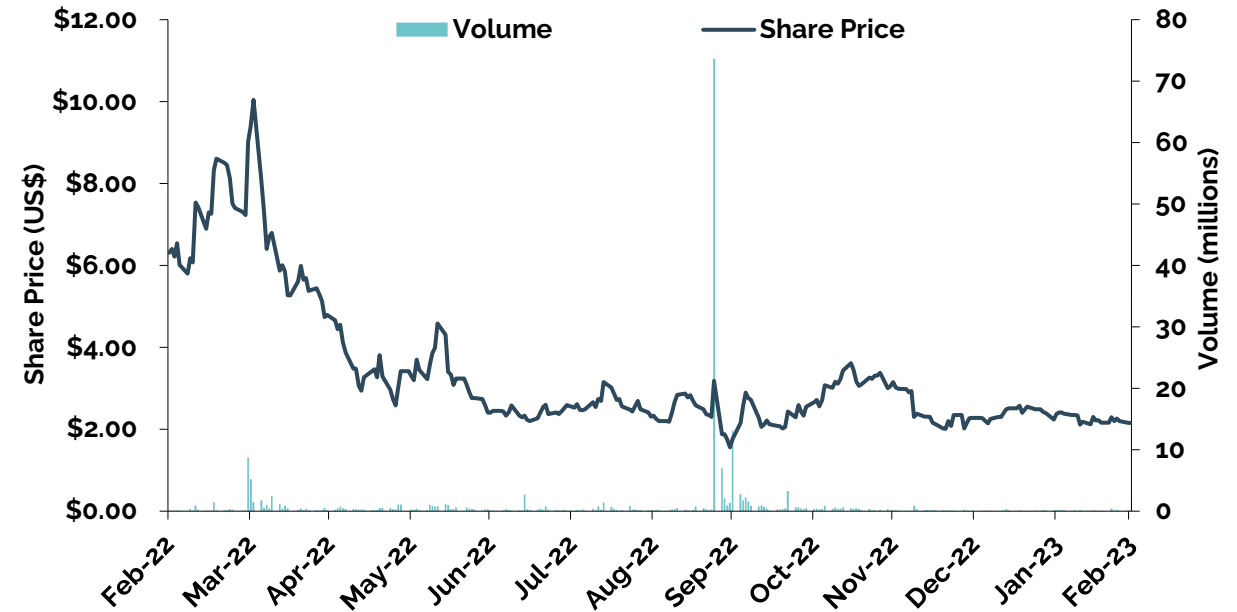
Ticker	Nasdaq: LITM
Share Price (February 28, 2023)	US\$2.15
52-Week Range	US\$1.52 - US\$10.50
Shares Outstanding	18,164,758
Options <sup>1</sup>	1,822,407
Warrants & RSUs <sup>2</sup>	1,516,106
FD Shares Outstanding	21,503,271
Market Capitalization (Basic)	US\$39.1M
Cash (December 31, 2022)	US\$9.6M

1. 1,822,407 options outstanding with a weighted average exercise price of US\$4.92.

2. Includes 1,046,106 warrants outstanding with a weighted average exercise price of US\$3.21 and 470,000 RSUs outstanding

Note: Canadian dollar figures have been adjusted using a US\$:C\$ exchange rate as of February 28, 2023 of US\$0.734:C\$1.00

## SHARE PRICE & VOLUME (LAST 12 MONTHS)



Source: Company reports and S&P Cap IQ for market data as of February 28, 2023

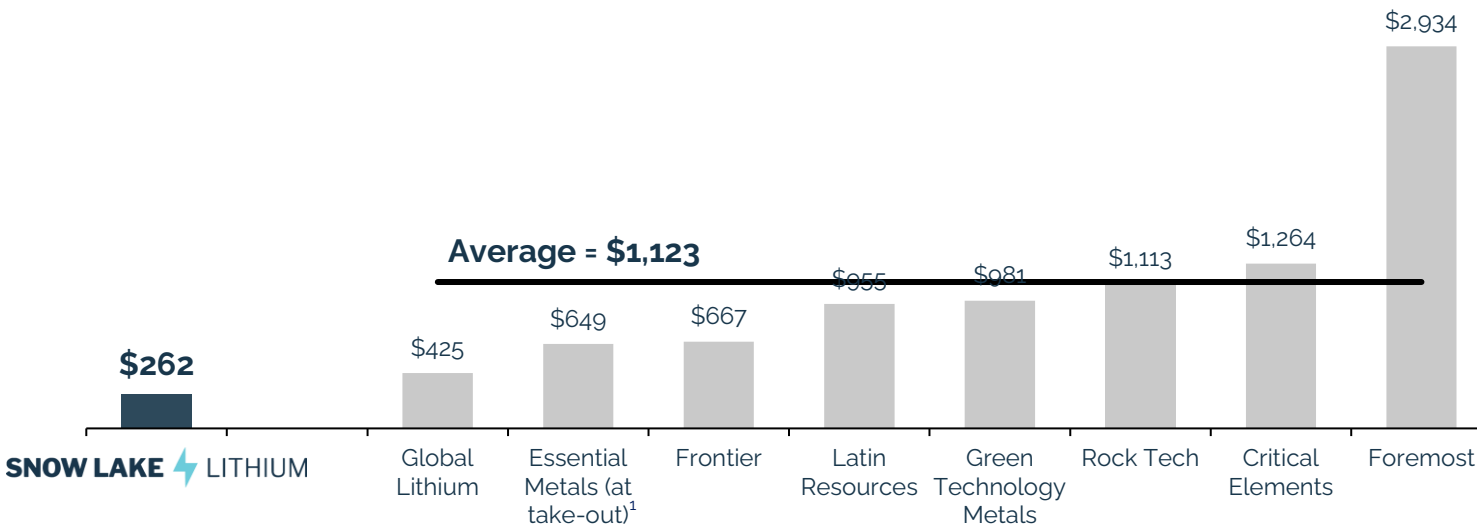
# COMPARABLE COMPANY ANALYSIS

## TRADING AT A SUBSTANTIAL DISCOUNT TO ITS PEERS

### EV/RESOURCE MULTIPLES OF COMPANIES ADVANCING LITHIUM PEGMATITE PROJECTS (US\$/TONNE $\text{Li}_2\text{O}$ )

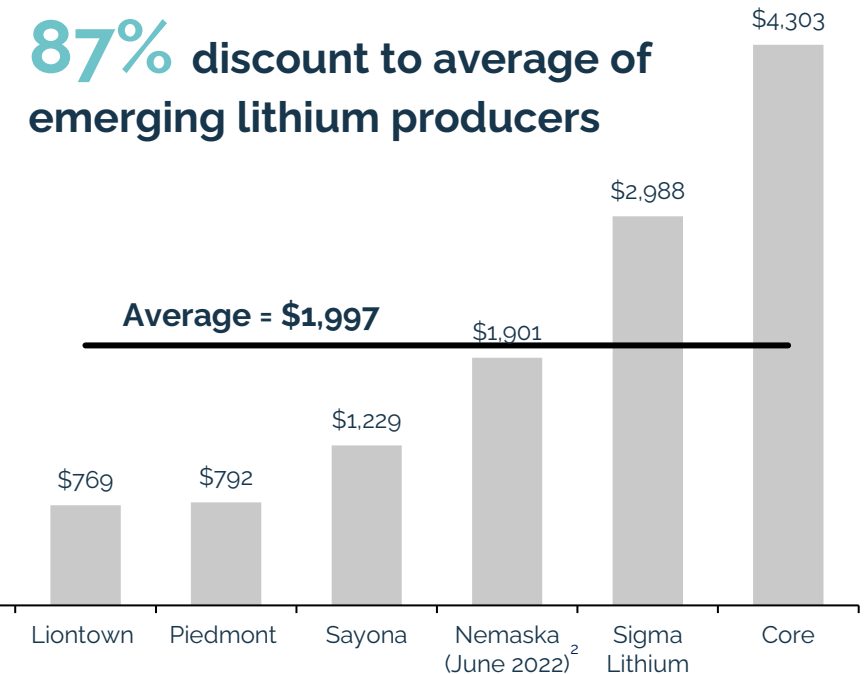
#### LITHIUM EXPLORERS/DEVELOPERS

**77%** discount to average of other lithium  
pegmatite explorers/developers



#### NEAR-TERM LITHIUM PRODUCERS

**87%** discount to average of  
emerging lithium producers



1. Essential Metals is shown at the take-out price based on the pending acquisition by the lithium joint venture entity owned by Tianqi Lithium Corporation and IGO Limited

2. Nemaska Lithium is privately held. EV/resource multiple based on Livent Corporation's June 2022 acquisition of 25% of Nemaska Lithium for approximately US\$370M

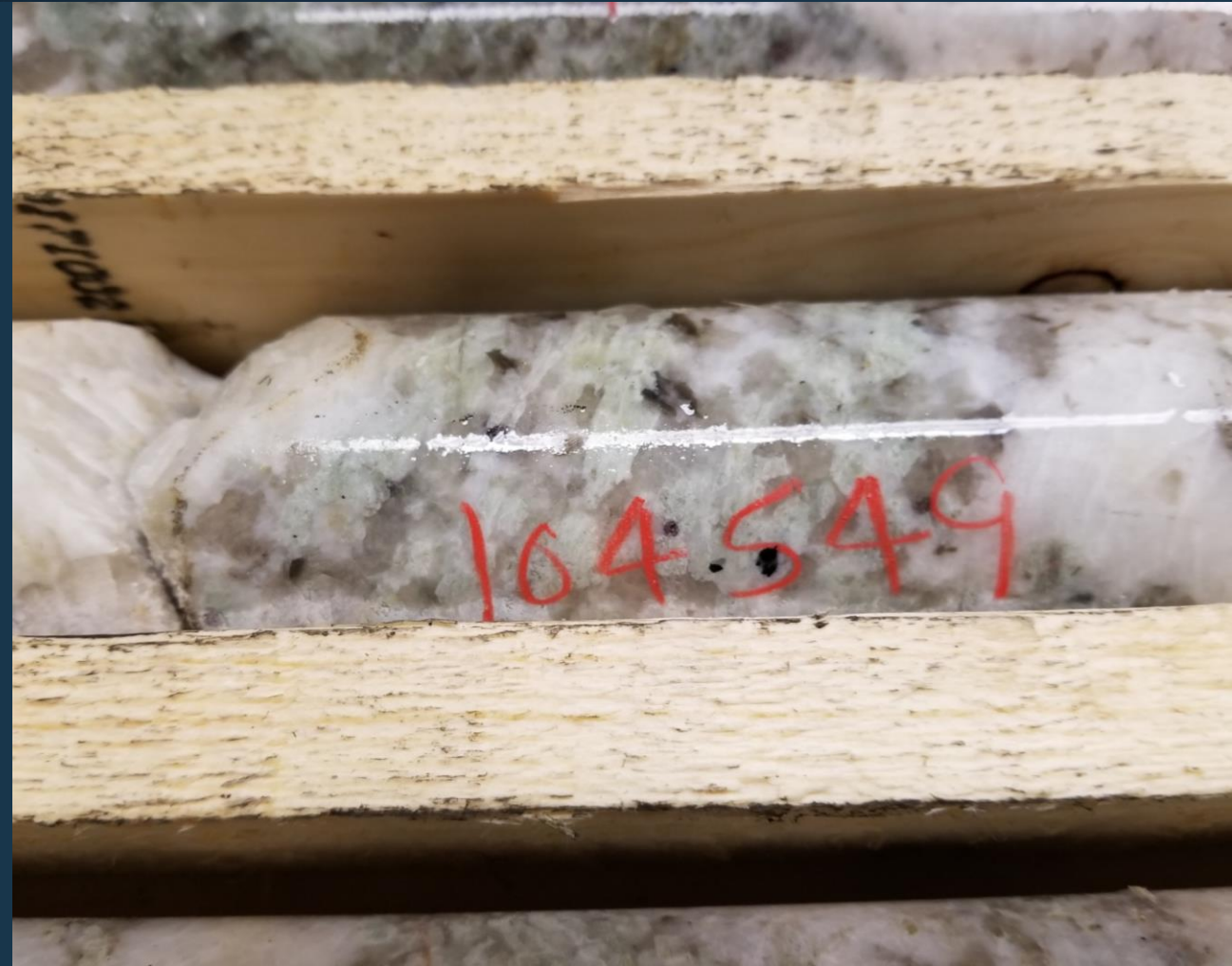
Source: company reports and share price data from Capital IQ as of market close on February 28, 2023



# SNOW LAKE LITHIUM™ PROJECT

## KEY TAKEAWAYS

- Property includes multiple spodumene bearing pegmatite dykes, which typically appear in clusters
- Indicated resource estimate of 9.08 Mt @ 1.00%  $\text{Li}_2\text{O}$ ; inferred resource estimate of 1.97 Mt @ 0.98%  $\text{Li}_2\text{O}$  using a 0.3%  $\text{Li}_2\text{O}$  cut-off grade
- 20,000m of drilling completed in 2022. New resource estimates are expected in April 2023
- Initial testing suggests that a fully functioning lithium mine could produce 160k tonnes per annum of 6% lithium ore concentrate over an 8 to 10 year period
- Potential to significantly increase the resource through a targeted drilling strategy



# SNOW LAKE LITHIUM PROJECT

## LARGE PROPERTY IN A PREMIER JURISDICTION

### Located in mining-friendly jurisdiction with access and infrastructure

#### Large Secure Land Position

- Snow Lake has a strong land position encompassing 59,587 acres

#### Pro Mining Community

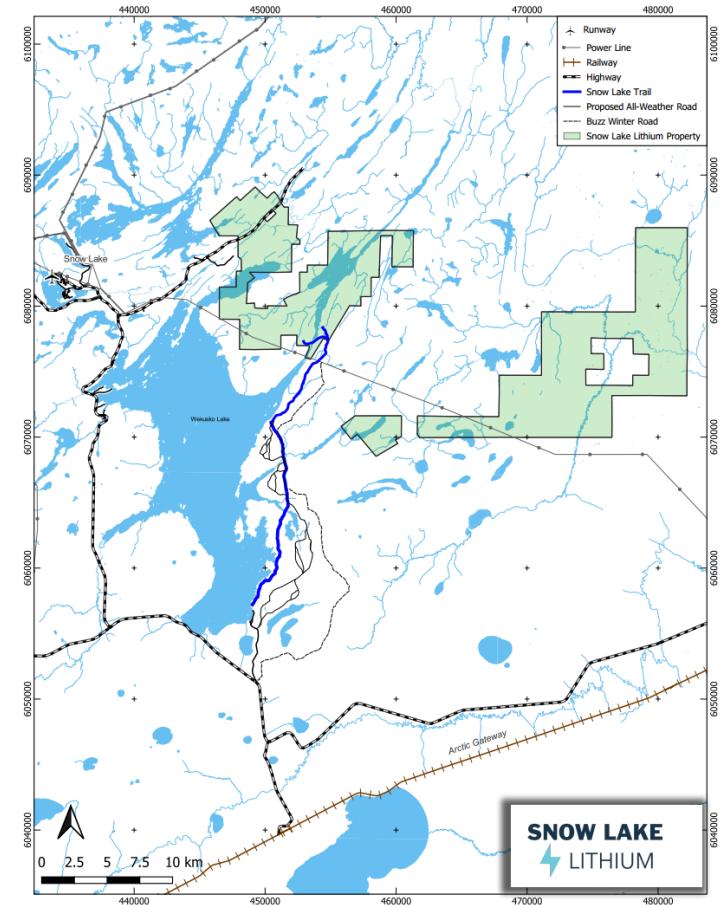
- HudBay operates the Lalor Mine and concentrator in the Snow Lake district
- Recent investments in the district by several mining companies demonstrate high confidence in the potential for new mine discoveries
- Nearly a century of historic and consistent mining in the area

#### Access

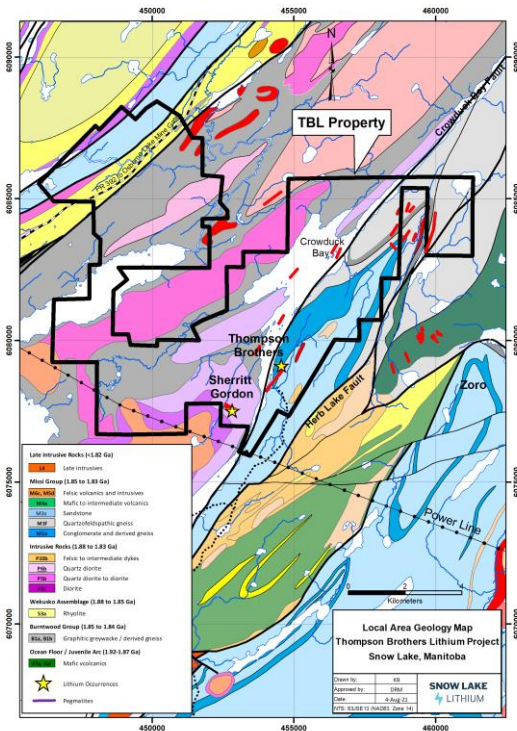
- Year round access to the Property can be gained via boat, barge, helicopter or winter ice/bush roads

#### Existing Infrastructure

- Powerline traversing the Property
- Airstrip located 8.5km to the north
- Major Road access within 11km
- Railway access 65km to the south



# SNOW LAKE LITHIUM PROJECT PROJECT HIGHLIGHTS



The lithium enriched Thompson Brothers (TB) and Sherritt Gordon (SG) pegmatite dyke clusters occur on either side of the Crowduck Bay Fault that bisects the property

## Drill results show promise of significant lithium resource

### Excellent Dimensions

- The Thompson Brothers dyke has been drill tested over a 1Km strike and to a vertical depth of 1/2 Km
- The deposit is tabular in form and dips near vertical

### Excellent Widths

- The deposit averages 7 to 10m in true width

### Consistent Grades

- $\text{Li}_2\text{O}$  grades within the deposit are consistent from contact to contact and drill hole to drill hole. Simplest structure possible making it easier to predict

### Mining

- Snow Lake sees the potential for an underground mining operation accessed via ramp at Thompson Brothers and potential open pit opportunities at Sheritt Gordon.
- A small open pit could be used to extract the crown pillar to the deposit at Thompson Brothers.

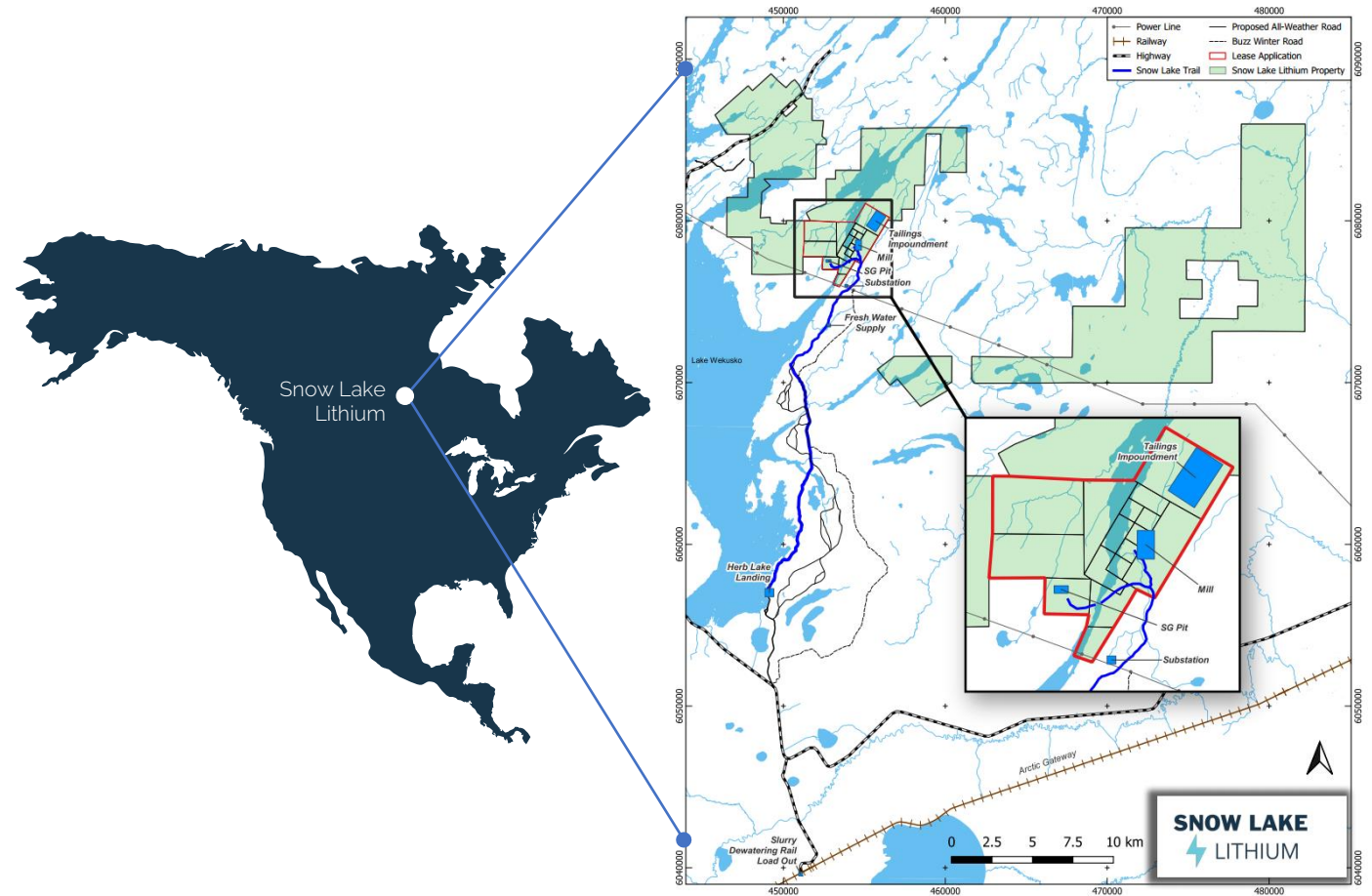
### Exploration Upside

- Snow Lake Lithium is confident it can delineate significant additional lithium resources along strike and down dip at the Thompson Brothers deposit
- Additional resources can also be developed within the SG Pegmatite cluster. Historical drilling in 1942 confirmed spodumene in 20 holes (not included in existing resource)



# PERFECTLY POSITIONED TO SUPPLY A CRITICAL RESOURCE TO THE NORTH AMERICAN EV AND BATTERY MARKET

- Global lithium demand is set to more than double by 2024, mainly driven by electric vehicle (EV) and battery production needed to reduce global carbon emissions
- As EV and battery production in North America increases, Snow Lake Lithium will deliver this critical resource in the most sustainable way
- We are a business that balances purpose and profit, which is set to benefit from the transition to electric transportation



# CLOSE PROXIMITY TO LOW EMISSION TRANSPORTATION NODES

Easy access to global manufacturing centres by rail and sea

- 65 km from Hudson Bay Railway
- Direct access South to the United States rail network
- Direct access north to Port of Churchill (Europe by ship)



JOHN SOPINSKI/THE GLOBE AND MAIL, SOURCE: OMNITRAX.COM



Arctic Gateway Group (owner of Hudson Bay Railway) is made up of 627 miles of former Canadian National (CN) trackage, with a network that connects with CN in The Pas.

# STRATEGICALLY LOCATED TO SUPPLY THE NORTH AMERICAN “AUTO ALLEY”

Located at the tip of the NAFTA “superhighway” with easy access to North American battery and electric vehicle manufacturing sites.

Addresses three major issues for manufacturers:

- North American source of lithium
- Low transportation costs
- Reducing supply chain emissions

## 1 Snow Lake Lithium

2 Ford Ion Park, Southeast MI

3 LG Energy Solution battery facility, Holland, MI

4 GM/LG Energy Solutions battery plant (2022), Lordstown, OH

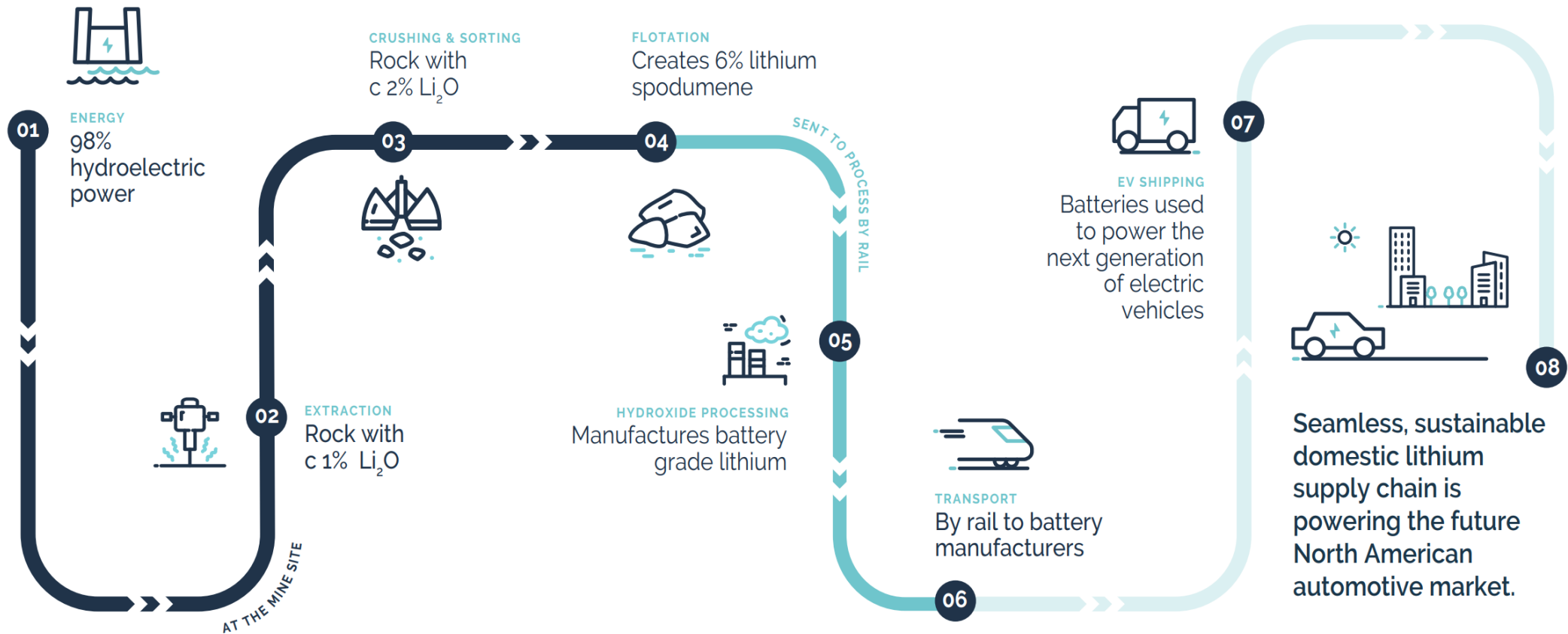
5 Panasonic/Tesla battery facility, Reno, NV

6 GM/LG Energy Solution battery plant (proposed), Spring Hill, TN





# FULLY INTEGRATED PROCESSING STRATEGY



# EXPERIENCED AND PURPOSE-LED LEADERSHIP

**Snow Lake's Board is committed to the recruitment of a high calibre CEO who will drive the Company along this growth strategy**



**Dale Schultz (P.Geo.)**

VP Resource Development & Director

- Veteran exploration and mining expert with a career spanning 30 years
- Geological work at multiple mines including Echo Bay Lupin, Claude Resources Seabee, Battle Mountain Hemlo Camp, Battle Mountain Kori Kollo
- Local knowledge from TVX New Britannia in Snow Lake, Manitoba
- International consulting experience in Bolivia, Ecuador, Mexico, Columbia, Peru, Paraguay, Honduras, Haiti, and Myanmar



**Keith Li (CPA,CA)**

CFO

- Senior finance executive with over 15 years experience providing executive level financial services to public companies
- IFRS Compliant financial statements and MD&A
- Previously held senior finance roles in the mining industry at Jubilee Gold Exploration and US Critical Metals Corp
- Fluent oral and written skills in English, French & Chinese



**Brian Youngs (C.Tech.)**

VP Exploration

- Leading mining consultant and Field Manager with more than 20 years experience specialising in new mining operations
- 10 years as a senior airborne geophysics technician with Geotech Ltd
- Board member at Gamet Gold and lead technical advisor to Temagami Gold Inc. (Progenitor Metals)
- Member of Ontario Association of Certified Engineering Technicians and Technologists

# INDEPENDENT BOARD MEMBERS

## EXPERIENCED PURPOSE-LED LEADERSHIP



### Nachum Labkowski

- A director since November 2018, Nachum Labkowski is currently the Chief Executive Officer and principal investor in Halevi Enterprises, a private equity firm which he founded in 2010 that holds equity in more than 30 private companies and invests in real estate worldwide
- Mr. Labkowski's unique approach to investing has provided significant returns from those companies he has invested in to date



### Kathleen Skerret

- Chair of the Securities Group at Gardiner Roberts LLP, specializing in advising clients on forming, financing, maintaining and reorganizing public companies
- Has acted as a director and/or officer of numerous Canadian-listed public companies and is currently on the board of directors of the Canada's National Ballet School Foundation
- Called to the Bar in Ontario in 1996 after earning a Bachelor of Laws from the University in Toronto in 1994



### Shlomo Kievman

- Extensive experience as a leader in the procurement of ideas and concepts which exemplify American innovation
- His work in public and private sectors in the USA and abroad has included business development, financial modeling, action planning, and conceptual design
- Principal of Crown Equities, an investment firm transforming the global resources sector, leading several global organizations



### Brian Imrie

- Retired investment banker with +30 years of experience raising capital for companies in multiple industries
- Previously with Morgan Stanley in New York and Toronto from 1983-1997 and Credit Suisse First Boston from 1997-2001
- Previously the Chairman/owner of Debro Inc., a chemical distribution company and serves on several other public and private boards
- MBA from Harvard University in 1987



### Peretz Schapiro

- Has been a global investor for more than a decade with a focus on the resources sector
- Founder and Executive Chairman of Loyal Lithium (ASX:LLI)
- Chairman of Summit Minerals (ASX:SUM)
- Previously held directorship roles at Asra Minerals Limited (ASX:ASR) and Okapi Resources (ASX:OKR)
- Holds a Masters degree in Applied Finance



# ENGAGEMENT AND SUPPORT OF LOCAL COMMUNITY

We are acutely aware of the need to respect human rights and the interests, cultures, customs and values of employees and communities affected by our activities. As a company seeking B Corp certification this is embedded in our operating philosophy.



*"Snow Lake Lithium fits well within Manitoba's priorities to expand mining operations, green manufacturing and employment"*

**Dori Gingera-Beauchemin**

Manitoba Deputy Minister for Agriculture and Resource Development



*"The Snow Lake Chamber of Commerce is excited for the upcoming winter drill program by Snow Lake Lithium! We have been impressed with Dale Schultz and his team from the beginning and would love to see one of the world's most sought after minerals being mined in our community!"*

**Gerard Lamontagne**

President, Snow Lake Chamber of Commerce



*"Snow Lake Lithium will be a beneficial project not just for Snow Lake and Northern Manitoba but for the entire province. The economic potential of this exciting project is one that the Manitoba Chambers of Commerce and the Manitoba Mineral Development Fund is proud to support"*

**Chuck Davidson**

President, Manitoba Chamber of Commerce

# APPENDIX

# IN 2020 LITHIUM PRODUCTION FELL 4.6%

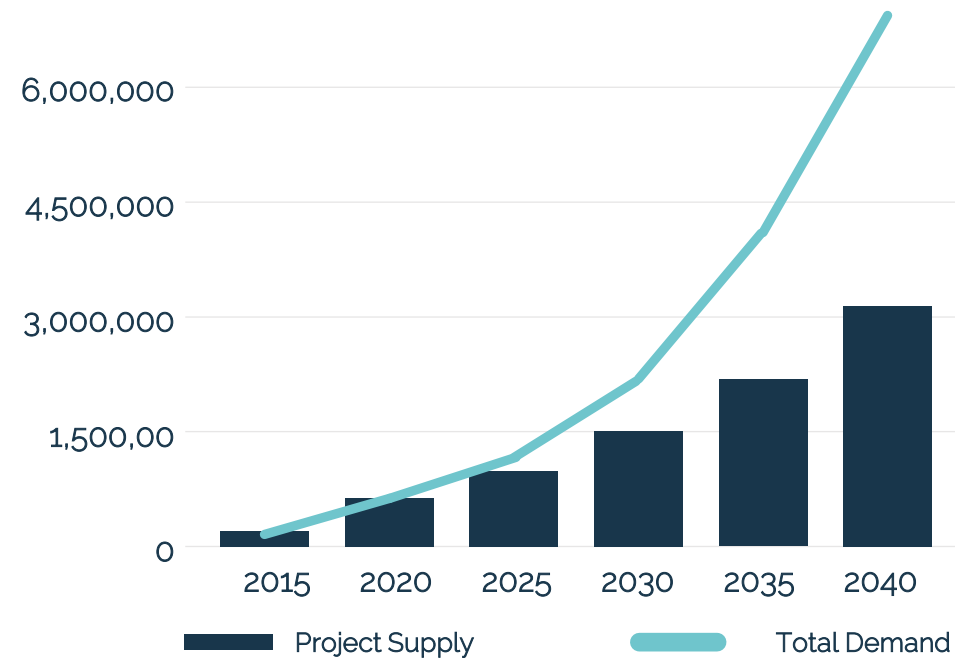
## LITHIUM PRODUCTION BY COUNTRY AND DEMAND PROJECTIONS

### 2020 Global Lithium mine production (and reserves) in thousand tonnes:

40.0 (4,700) — Australia  
20.6 (9,200) — Chile  
14.0 (1,500) — China  
6.2 (1,900) — Argentina  
1.9 (96) — Brazil  
1.2 (220) — Zimbabwe  
0.9 (60) — Portugal  
0.9 (750) — US  
0.5 (530) — RoW (including Canada)

Source: includes data from US Geological Survey, British Geological Survey © UKRI and World Mining Data

### Supply shortfalls expected (MT) despite new planned lithium mining operations



Source: Benchmark Mineral Intelligence – Lithium Forecast, Q1 2021

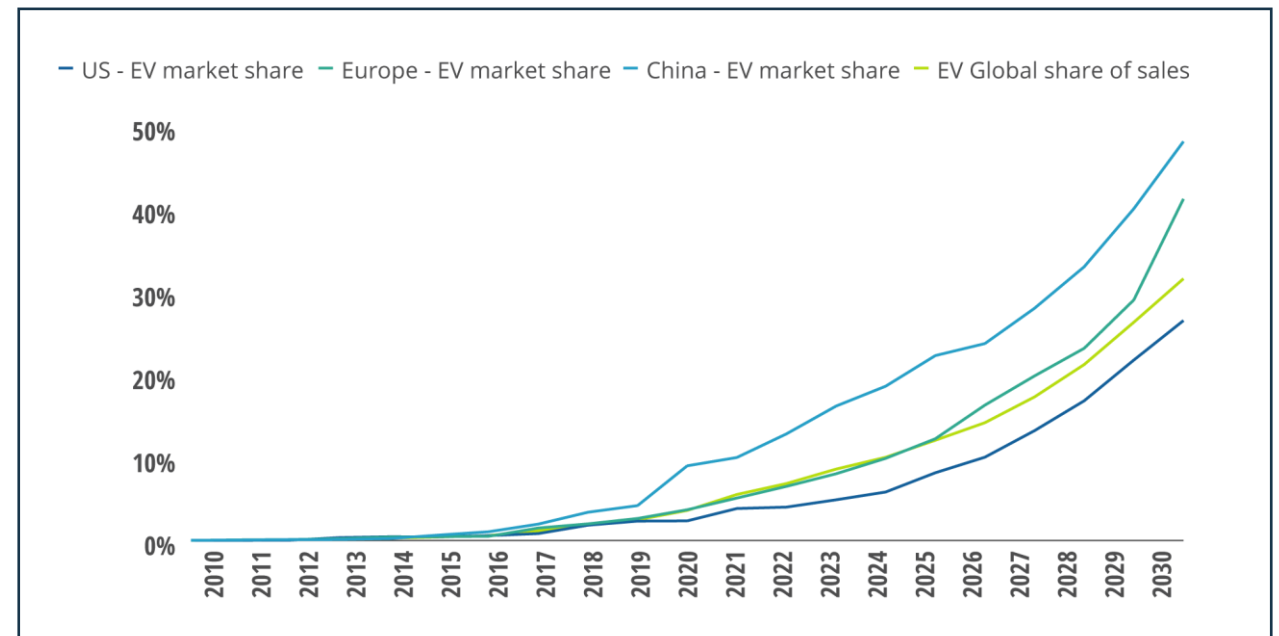


# ELECTRIC VEHICLE PRODUCTION DRIVING DEMAND FOR LITHIUM

## The global market is set to grow with a CAGR of 30% this decade

- Estimated worldwide EV sales:
  - 2.5 million in 2020
  - 11.2 million in 2025
  - 31.1 million by 2030
- EVs to represent c.32% of annual new car sales by 2030.
- Policymakers are pushing OEMs towards lower emissions. Fuel economy regulations, quota systems and city policies all play a growing role
- Batteries keep getting better and charging speeds are also rising
- By the mid-2020s, EVs are expected to reach up-front price parity – without subsidies – with internal combustion vehicles in most segments

### Outlook for EV Market Share by Major Region



Source: Deloitte Analysis, IHS Markit, EV-Volumes.com

# GLOBAL LITHIUM DEMAND ON TRACK TO DOUBLE BY 2024

## Driven by acceleration of battery production

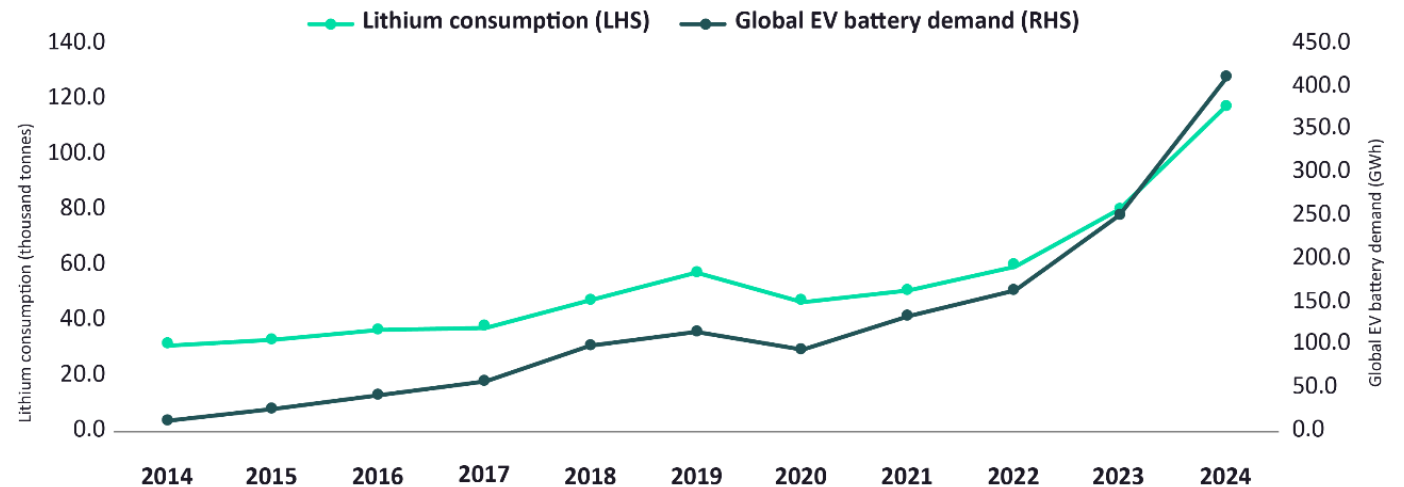
Forecasted growth in lithium demand:

- **47.3 kt** in 2020 to **117.4 kt** in 2024 (CAGR of 25.5%)<sup>1</sup>
- **185 kt** per year by 2030 (Source: IEA Global EV Outlook)<sup>2</sup>
- **c.65%** of global lithium is used for battery production<sup>1</sup>

<sup>1</sup> Source: GlobalData, Mining Intelligence Center

<sup>2</sup> Source: IEA Global EV Outlook

## Global Lithium Consumption vs Electric Vehicle Battery Demand, 2014-2024



Source: GlobalData, Mining Intelligence Center, [www.globaldata.com](http://www.globaldata.com)

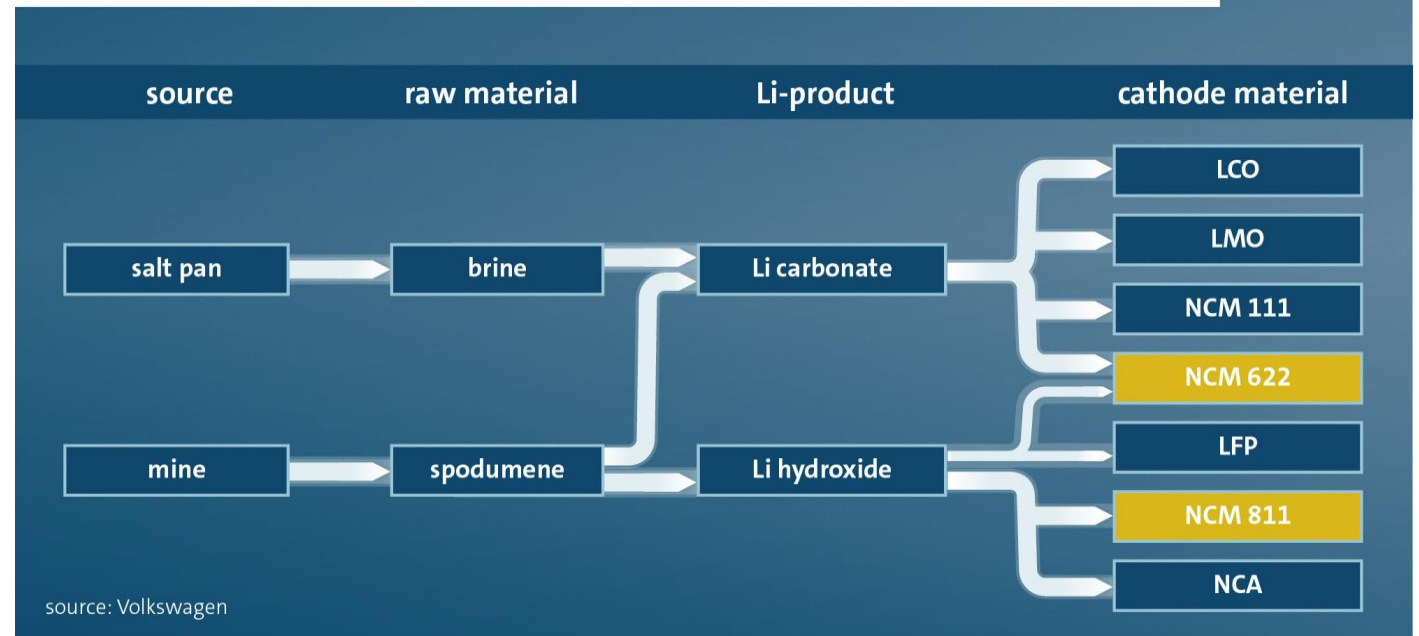
# LITHIUM HARD ROCK EXCELLENCE OVER BRINES

## BATTERY PRODUCTION FAVOURS LIOH FROM HARD ROCK

- Lithium hard rock operations are extremely efficient, with lithium found in spodumene, a pyroxene mineral consisting of lithium aluminium inosilicate,  $\text{LiAl}(\text{SiO}_3)_2$
- The lithium hosted in spodumene can be sustainably processed into either lithium hydroxide or lithium carbonate
- Lithium hydroxide is better for the production of EV batteries with NCM 811 cathodes compared to lithium carbonate produced from brines
- Spodumene also typically hosts higher lithium content in comparison brines

### WHY MINING IS MORE FUTURE-COMPLIANT

Li-Hydroxid as starting material for HV batteries





# LITHIUM FAQ

## HARD ROCK MINING

VS

## BRINE MINING

Lithium extracted by "hard rock" comes from the minerals hosted in Pegmatites. These metal-enriched deposits form during the final crystallization of the earth's magma as intrusive rocks that can measure anywhere from just a few centimeters to hundreds of meters. Within Pegmatites is the lithium-bearing mineral, Spodumene.

### WHERE IS LITHIUM FOUND?

Brine mining sources the mineral from accumulations of saline groundwater known as lithium brine deposits that have strong concentrations of dissolved lithium. Only select regions in the world contain viable brines for mining purposes.

The hard rock method extracts lithium directly from Pegmatites with common surface mining techniques. Mineralized Pegmatites are crushed, milled, and separated according to ore mineral identification.

### HOW IS LITHIUM EXTRACTED?

The brine mining method pumps brine to the surface of the deposit to be evaporated in a succession of ponds. Each transfer to a new pond achieves higher purity until the lithium can be fully extracted and processed.

Lithium found in Spodumene can be processed into lithium carbonate or lithium hydroxide - the compound preferred by EV battery manufacturers. Hard rock uses traditional mining techniques that require significantly less water and energy at a lower cost.

### WHAT ARE THE BENEFITS AND IMPACTS OF LITHIUM?

Brine mining requires a diversion of water and its long-term environmental effects remain ambiguous. It is a multiyear process to extract and can only be successful in limited weather conditions, including sufficient sunshine and limited rain. Its processing abilities are less flexible as brine only initially produces lithium carbonate, which must be extended to lithium hydroxide at an additional cost.



# Hard-rock lithium is less environmentally impactful than brine

## Uses significantly less water & energy in production



### Lithium mining is booming — here's how to manage its impact

By Robin Bolton August 11, 2021



### The Paradox of "Clean" EVs and the "Dirty" Lithium Mining Business

Are EVs really that 'clean'? Let's take a look at this very real paradox.

By Christopher McFadden April 10, 2021



### New approach promises reduced impacts in lithium mining

Research institutes in Germany and Chile are investigating the potential of extracting lithium and other minerals, as well as drinking water, from brines used in geothermal energy. The concept could greatly reduce the environmental impacts of mining in southern Chile. The project has set up a demonstration of the technology at a geothermal power plant in western Germany, and is working to identify optimal sites in Chile for further development.

JULY 3, 2021 MARK HITCHENS

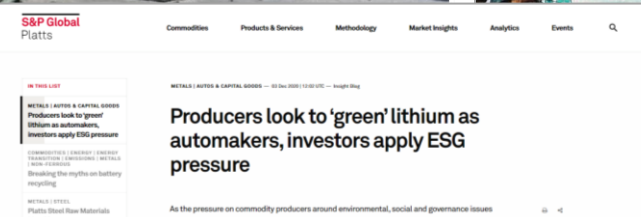
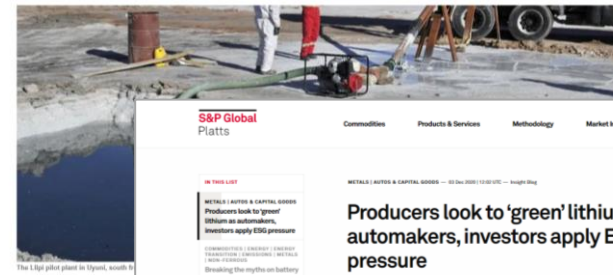


Scientists are investigating the potential of extracting lithium and other minerals, as well as drinking water, from brines used in geothermal energy. The concept could greatly reduce the environmental impacts of mining in southern Chile. The project has set up a demonstration of the technology at a geothermal power plant in western Germany, and is working to identify optimal sites in Chile for further development.

### Electric cars are still better for the environment. But lithium mining has some problems

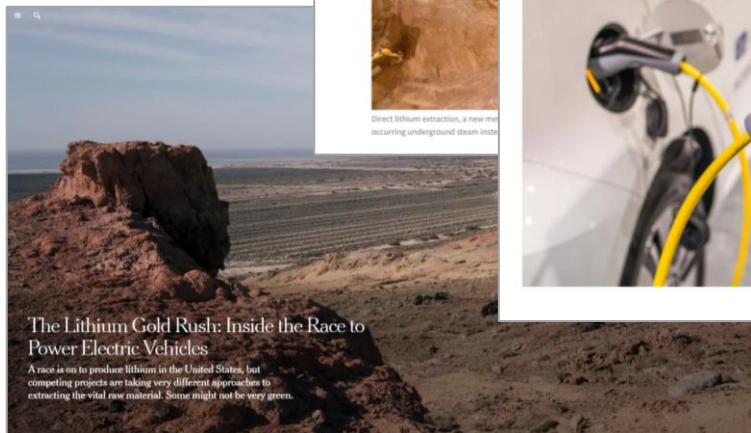
Electric cars are arguably better for the planet — yet mining metals for batteries leaves much to be desired

By NICOLE KARLIS PUBLISHED JUNE 17, 2019 6:00PM EDT



### Developing countries pay environmental cost of electric car batteries

Growth in electric car sales is great news for the fight against climate change, but the mining of the minerals used in their batteries poses serious risks for the environment.



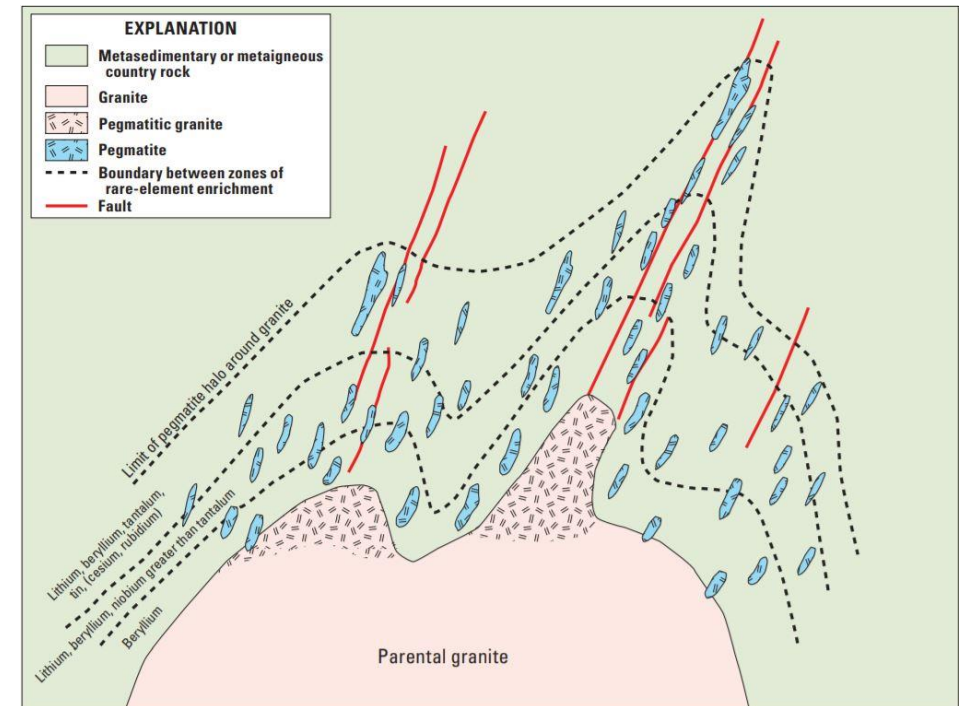
### The Lithium Gold Rush: Inside the Race to Power Electric Vehicles

A race is on to produce lithium in the United States, but competing projects are taking very different approaches to extracting the vital raw material. Some might not be very green.

# PEGMATITES TYPICALLY OCCUR IN CLUSTERS

## Overview of lithium pegmatite deposit geology

- Lithium pegmatite dykes account for about one-fourth of the world's lithium production and are a distinct class of mineral deposits.
- Pegmatite dykes are late stage igneous rocks characterized by distinctive textures and massive crystals that may range up to several metres in size.
- Pegmatites tend to be intruded into shallow crustal depths along anisotropies such as faults, fractures, foliation, and bedding.
- Pegmatites do not form in isolation: they typically occur as members of larger populations of cogenetic bodies numbering tens to hundreds and occupying a few tens of square kilometres, or districts. At the district scale, pegmatites typically display mineralogical and geochemical zonation that is broadly concentric surrounding an exposed or inferred granitic pluton.
- The lithium enriched Thompson Brothers (TB) and Sherritt Gordon (SG) pegmatite dyke clusters occur on either side of the Crowduck Bay Fault that bisects Snow Lake's Property.





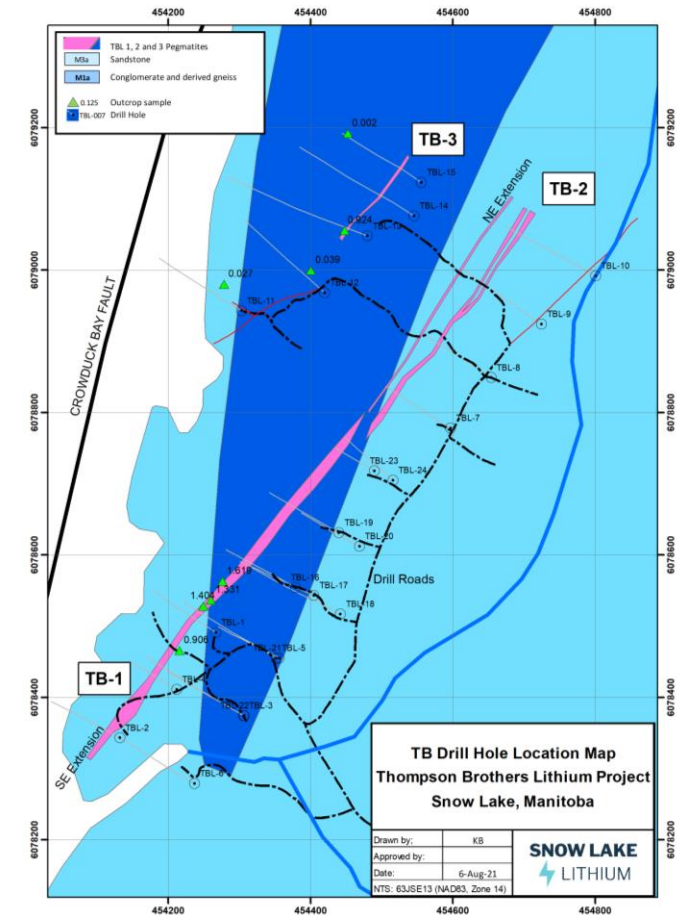
# THOMPSON BROTHERS LITHIUM PEGMATITE DYKE CLUSTER

## Thompson Brothers Lithium Pegmatite Dyke Cluster



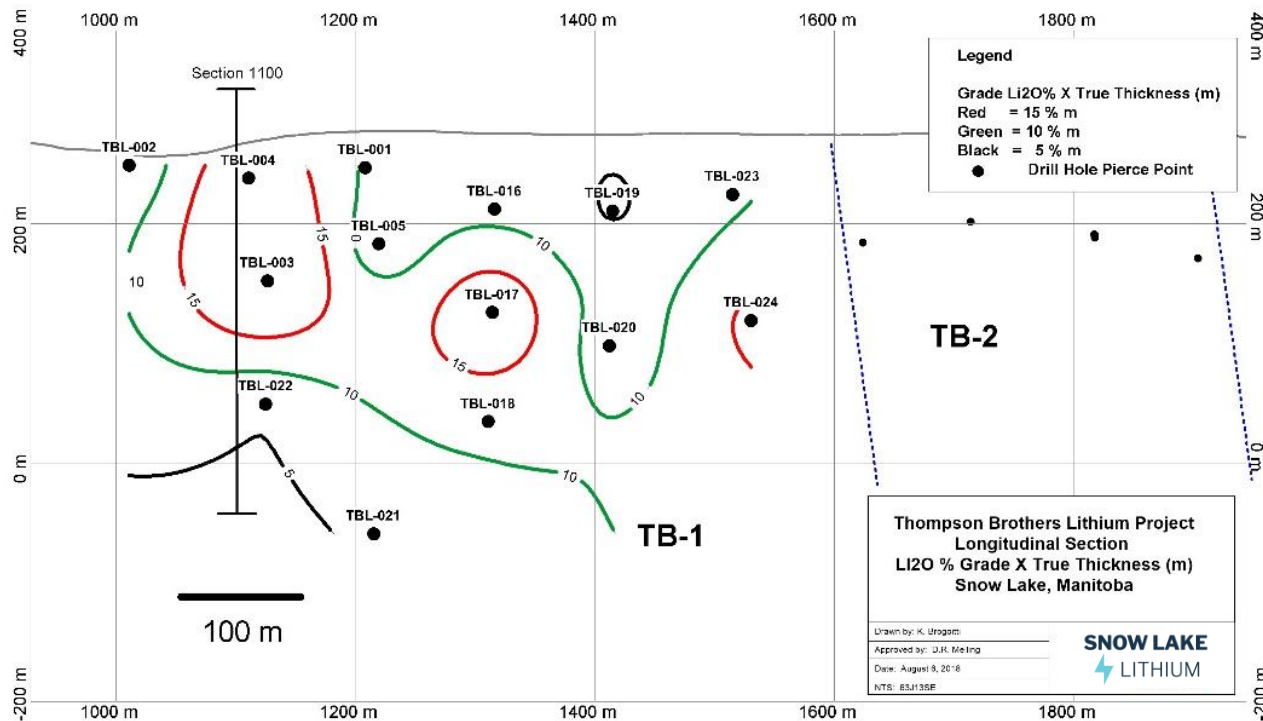
The Thompson Brothers Lithium deposit represents only one of several lithium-enriched pegmatite dykes forming a cluster associated with the Crowduck Bay Fault

- The deposit was drilled in 2017/18 and results have confirmed the resource potential of the lithium deposit. Over 8,100m of drilling occurred on TBL in 2022, which has not yet formed part of a resource estimate.
- The lithium mineralization occurs as spodumene, a coarse grained, green mineral, rich in lithium -  $\text{LiAl}(\text{SiO}_3)_2$



# THOMPSON BROTHERS LITHIUM DEPOSIT

## Spodumene (Li<sub>2</sub>O) Pegmatite from TBL



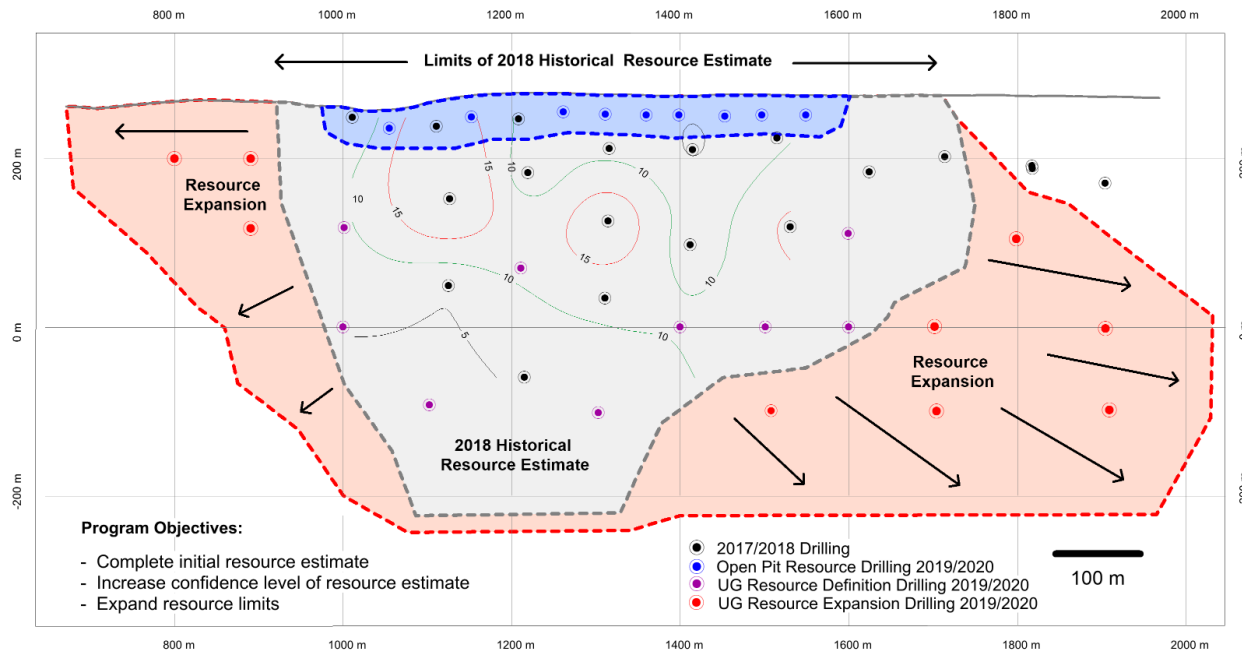
- The Thompson Brothers deposit has been drill tested 1 km along strike and to a vertical depth of ½ Km.
- The mineralization averages 7 to 10m in thickness.
- Drilling results have delivered consistent lithium grades, excellent widths and the mineralization remains open along strike and to depth.
- Potential to develop small surface starter pit on the crown pillar followed by ramp access and underground bulk mining methods.
- The mineralization is composed of quartz, feldspar, spodumene and micas. Deposit has no sulphide minerals





# DRILLING STRATEGY TO INCREASE RESOURCE

- Current Global Resources: 11.1 Million Tonnes at 1.0% Li<sub>2</sub>O
- In 2022, over 20,000m of drilling occurred which will be used towards a resource update in April 2023.
- The Thompson Brothers deposit remains open at depth
- Exploration has only taken place on less than 1% of the land package



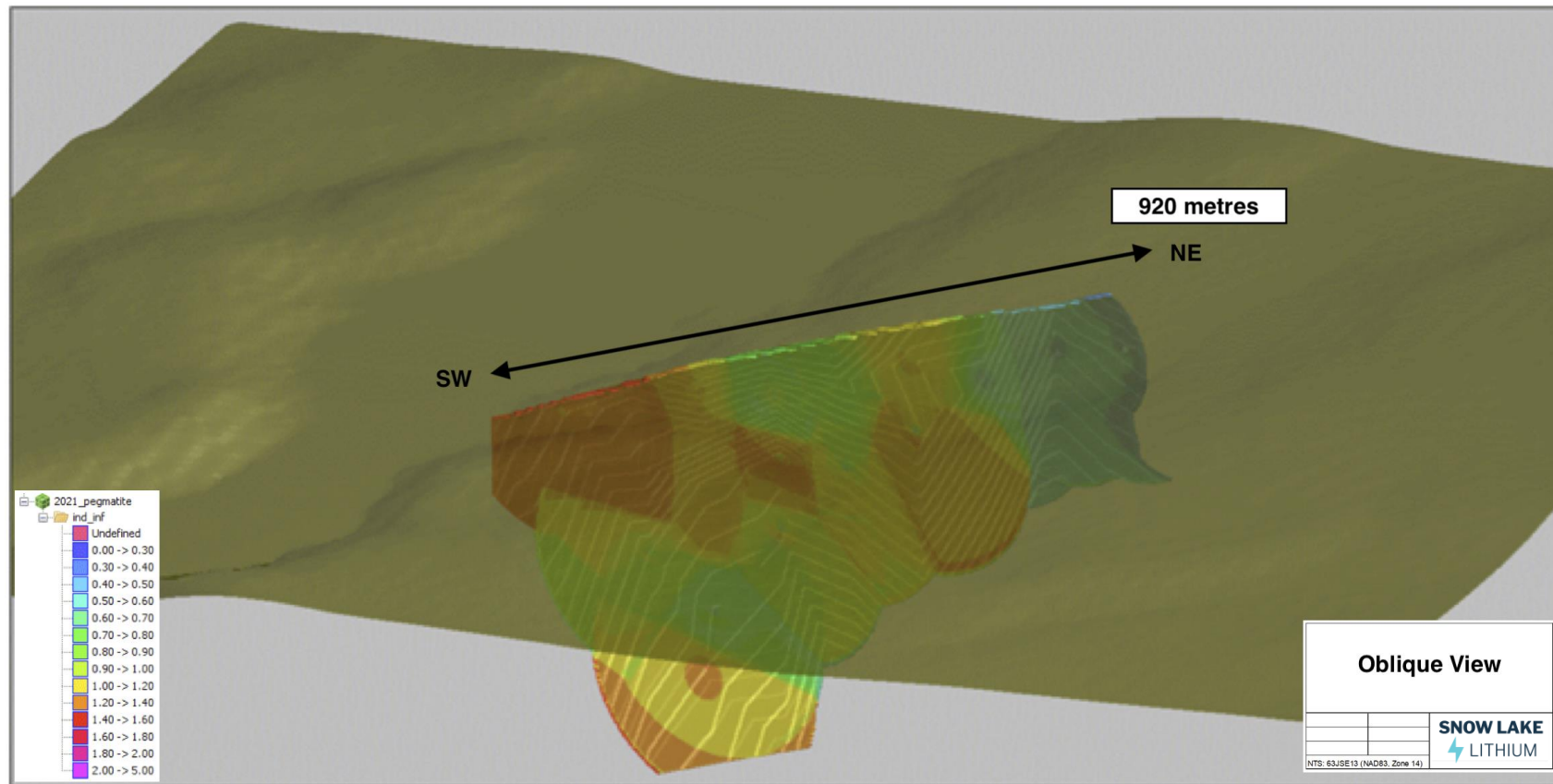
Snow Lake's drilling program was designed to achieve the following:

- Define the extensions of the deposit
- Expand the current resource base
- Explore the SG dyke cluster and identify additional resources





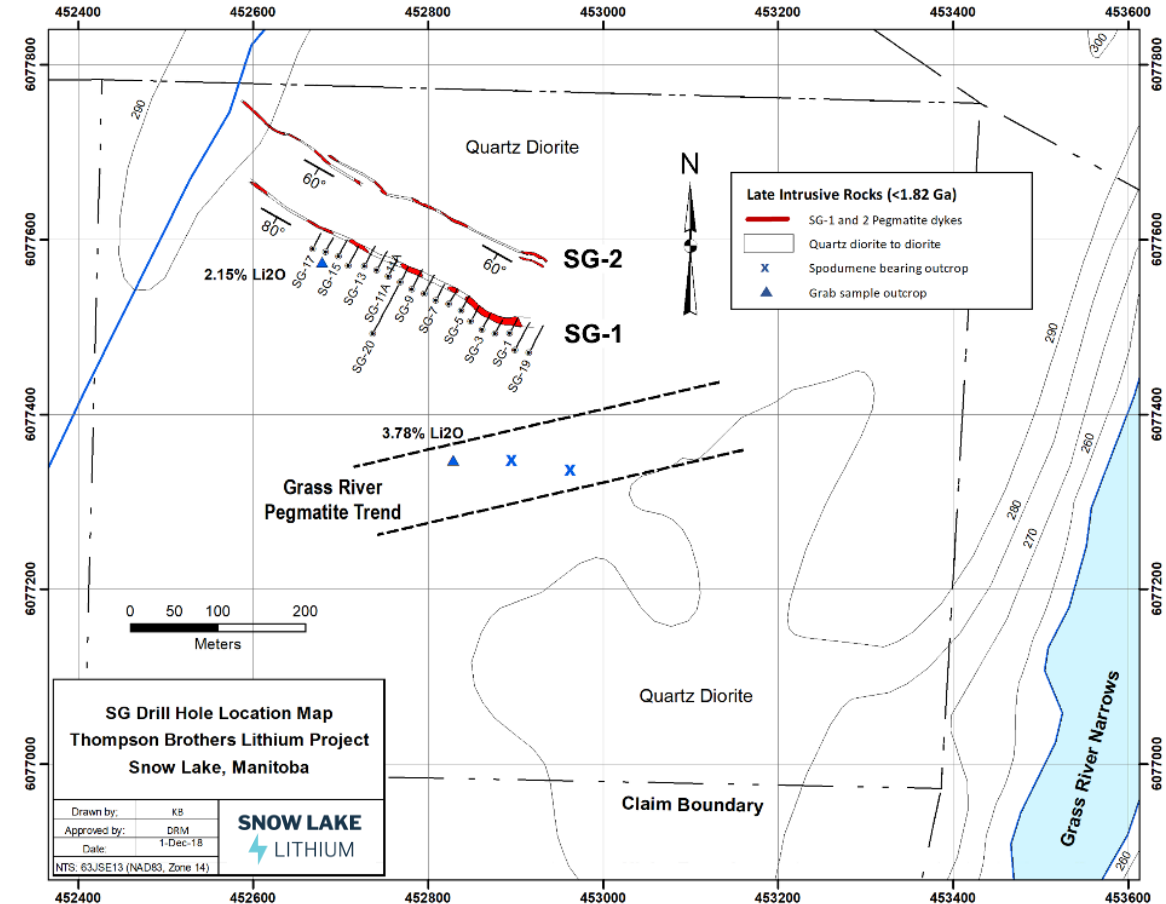
# RESOURCE ESTIMATION



Indicated Resource of 9.08 Mt at 1.00%  $\text{Li}_2\text{O}$  and an Inferred Resource of 1.97 Mt @ 0.98%  $\text{Li}_2\text{O}$  using a 0.3%  $\text{Li}_2\text{O}$  cut-off grade

# OUTSIDE TARGET GRASS RIVER (GR)

- GR lithium pegmatite dyke cluster consists of three lithium pegmatite dykes located on the west side of the Crowduck Bay Fault
- The GR-1 dyke was drill tested in 1942 to a depth of 50m and the dyke remains open at depth.
- Drill results of 1.84%  $\text{Li}_2\text{O}$  over 6.32 meters at GR
- The Grass River (GR) lithium pegmatite was discovered in August of 2018 by routine prospecting and is interpreted to be part of the GR lithium pegmatite dyke cluster
- Drill results of 3.35%  $\text{Li}_2\text{O}$  over 3 meters and widths of 5 to 6 meters
- Over 9,800 meters of drilling was conducted to test the GR dykes in 2022.



# STAKEHOLDERS

## GOVERNMENT & COMMUNITY PARTNERS





# PROFESSIONAL PARTNERS





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