
North America's newest lithium producer.

Future Facing Commodities Conference
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This presentation refers to the following previous ASX releases:

- Sayona & Piedmont Lithium Announce Successful Restart of NAL – 31 March 2023
- Half Yearly Report and Accounts – 16 March 2023
- 1,200 Tonnes Saleable Lithium Concentrate Produced at NAL – 16 March 2023
- First Lithium Concentrate Produced at NAL – 8 March 2023
- BMO Global Metals, Mining and Critical Minerals Conference – 1 March 2023
- New NAL Milestone with Successful Process Plant Start Up – 27 February 2023
- NAL restart on track and on budget – 17 February 2023
- Quarterly Activities/Appendix 5B Cashflow Report – 31 January 2023
- New NAL milestone with successful ore crushing trial – 31 January 2023
- NAL restart accelerates towards target – 16 January 2023
- Northern lithium hub expands in major acquisition – 17 November 2022
- Acquisition offers potential increase to NAL resource – 14 November 2022
- Moblan PFS targets Québec lithium expansion – 5 October 2022
- PFS launched for NAL lithium carbonate production – 4 October 2022
- Positive Pre-Feasibility Study enhances NAL value – 23 May 2022
- Sayona doubles Québec lithium resource base – 1 March 2022
- Sayona expands northern Québec lithium hub with 121 new claims – 25 January 2022
- Resource expansion eyed as Moblan acquisition closes – 18 October 2021

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and all material assumptions and technical parameters continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

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Section 01

Profile Projects Outlook



North America's newest
lithium producer

Sayona produced
first lithium
concentrate in
March 2023.

North American Lithium (NAL)
Abitibi region, Québec

The restored NAL plant has a target annual nameplate capacity of
up to **226,000t of spodumene concentrate.**

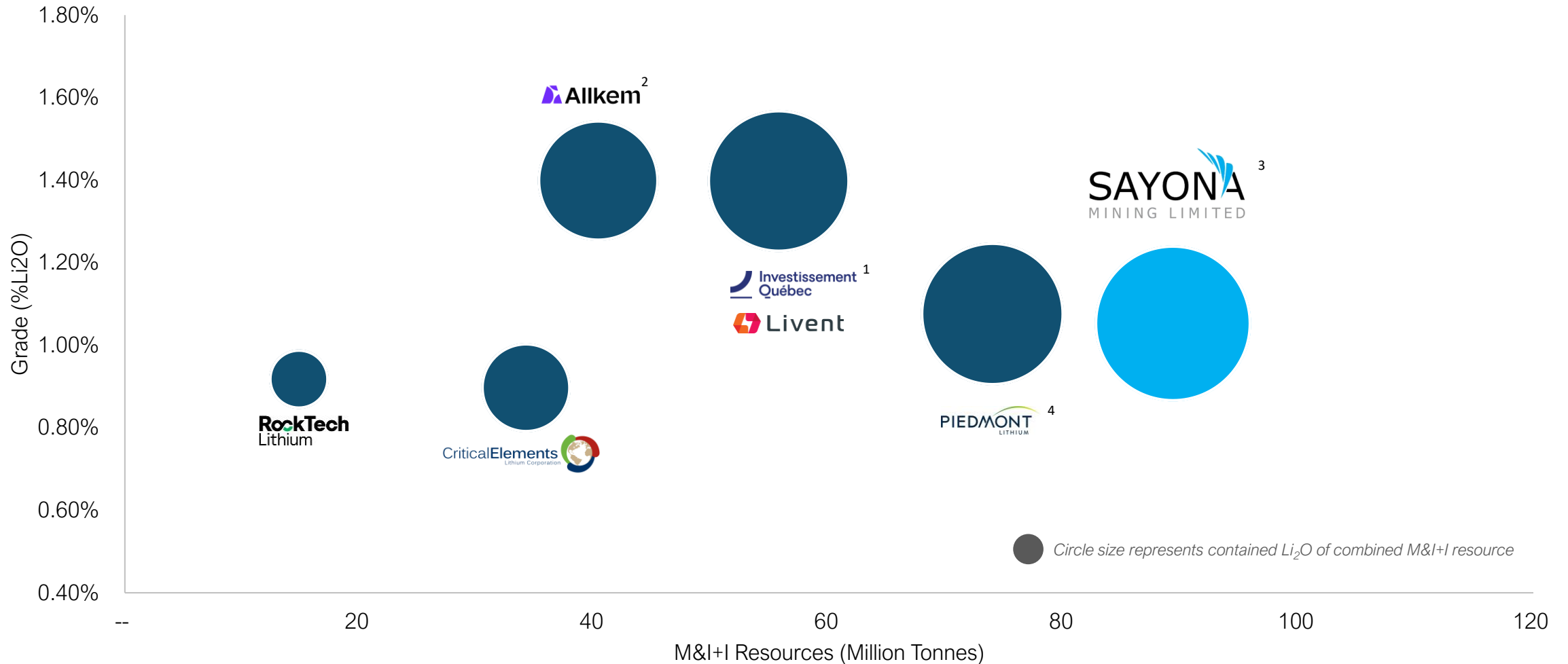


 NAL powered primarily by low cost, green hydro-electricity

The largest advanced hard rock lithium resource base in North America

Size

29% of advanced hard rock lithium resources in North America



¹ Whabouchi lithium project only

² James Bay lithium project only

³ Reflects 75% of NAL and Authier resources

⁴ Piedmont reflects 100% of Carolina Lithium and includes 25% interest in Sayona Québec

Corporate Snapshot

ASX:SYA | OTCQB:SYAXF

Share price

A\$0.25

9 March 2023
52 week high \$0.39, low \$0.11

Market capitalisation

A\$2.2B

9 March 2023

Debt

Zero

31 December 2022

Shares on issue

8.9B

9 March 2023

Cash

A\$87.2M

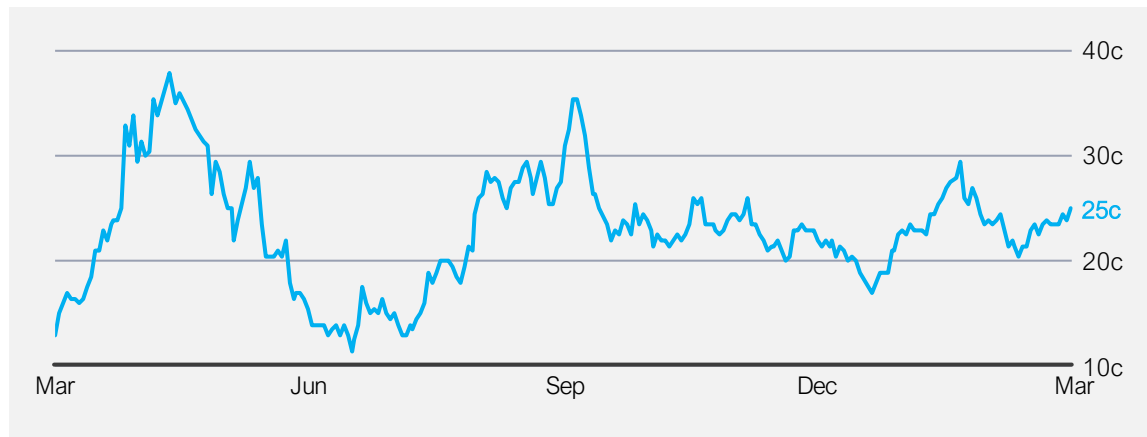
Various options

275M

31 December 2022
(Cash equivalent ~\$11M)

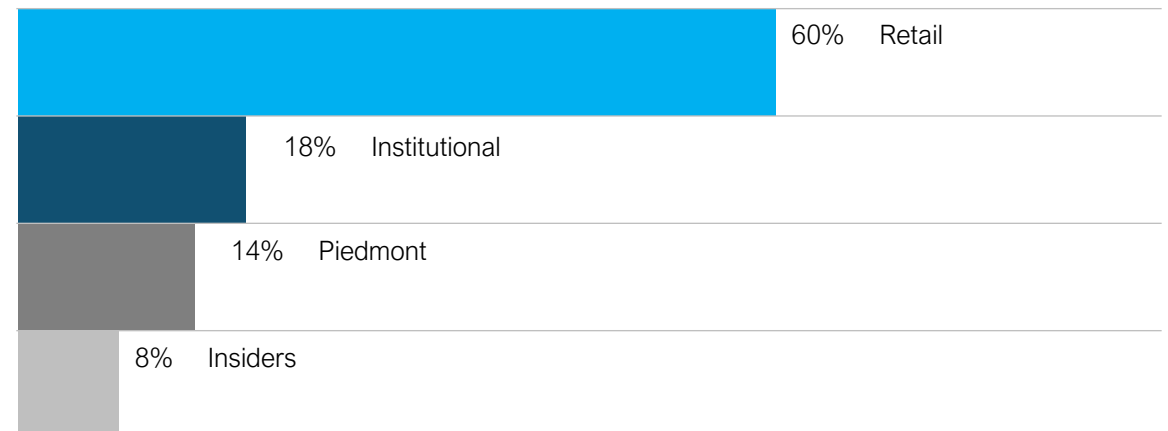
ASX share price performance (A\$)

12 months to 9 March 2023



Share register

Figures shown are approximate as at 3 February 2023



Board and Senior Management

The right blend of mining and corporate experience to deliver



Brett Lynch



Managing Director & Chief Executive Officer

A senior mining engineer and manager, Brett has more than 30 years' experience in the global industry, including previous posts with leading resources companies such as MIM Holdings, New Hope Corporation, Orica and VLI, during which time he was responsible for multi-million dollar international operations.



Paul Crawford



Executive Director & Company Secretary

An accountant with over 40 years of commercial experience in various technical and management roles within the minerals, coal and petroleum industries. He has also had significant corporate experience in the management and governance of ASX-listed resource and mining companies.



James Brown



Non-Executive Director

A qualified mining engineer with more than 40 years' experience in the mining industry in Australia, the US, Africa and Indonesia, including 14 years as Managing Director of ASX-listed Morella Corporation. He has successfully sourced, developed and operated numerous key global projects with a focus on lithium and battery minerals.

Allan Buckler



Non-Executive Director

A qualified mine manager with more than 40 years' coal experience in Australia and Indonesia. He has had key roles in the establishment of several large mining and port operations in both Australia and Indonesia. Allan is a former Director and Chief Operations Officer of New Hope Corporation Limited.



Guy Belleau



Chief Executive Officer, Sayona Québec

With more than 30 years' experience in the mining industry, Guy has served as Chief Operating Officer for ArcelorMittal Mines Canada, General Manager of Mining for Falco Resources, and General Manager of Mining for Goldcorp's Eleonore mine. He has also chaired the board of directors of the National Institute of Mining since 2018.

ESG

At the heart of all we do

Our commitment to sustainability reflects the critical role lithium will play in the world's accelerating decarbonisation drive

We contribute to transport electrification and the fight against climate change.

We are committed to ensuring our projects are a source of pride for host communities.

Sayona is accelerating the development of a battery manufacturing chain in Québec.

90% of NAL staff based in Abitibi; 33% female.

Over C\$40M injected into local economy since January 2022.

Our approach with First Nations communities is to build strong relationships based on transparency and mutual collaboration

Our values



Section 02

Profile Projects Outlook



Québec, Canada

Low cost, green, and great access to market

Lower costs	ESG benefits	High quality resources	Political security	World class infrastructure	Excellent market access
Québec can deliver lithium hydroxide to Cleveland, USA at least 20% lower cost vs traditional Australia to China operations.	Greenest source of lithium based on CO ₂ emissions, due to clean and green, economical hydropower.	Best North American source of lithium, with proven technology, deposit quality and expanding resource base.	Stable and supportive government; geopolitically positioned amid U.S. push for secure access to battery minerals and on localising supply chains.	World-class infrastructure and skilled mining labour.	Located in close proximity to key battery markets in the US and Canada.



Québec Lithium

Abitibi and Northern Hubs



Abitibi Hub

North American Lithium (NAL) Mine and concentrator
Future carbonate plant

119.1Mt

@1.05% Li₂O

Authier Project
Long-life deposit
30km from NAL

Sayona aims to produce **226,000t** of spodumene per year

Tansim Project
Exploration project with near-term potential

Sayona aims to produce **23,000t²** of lithium carbonate from 2026

Northern Hub

Moblan Project
Host to high-grade spodumene mineralisation

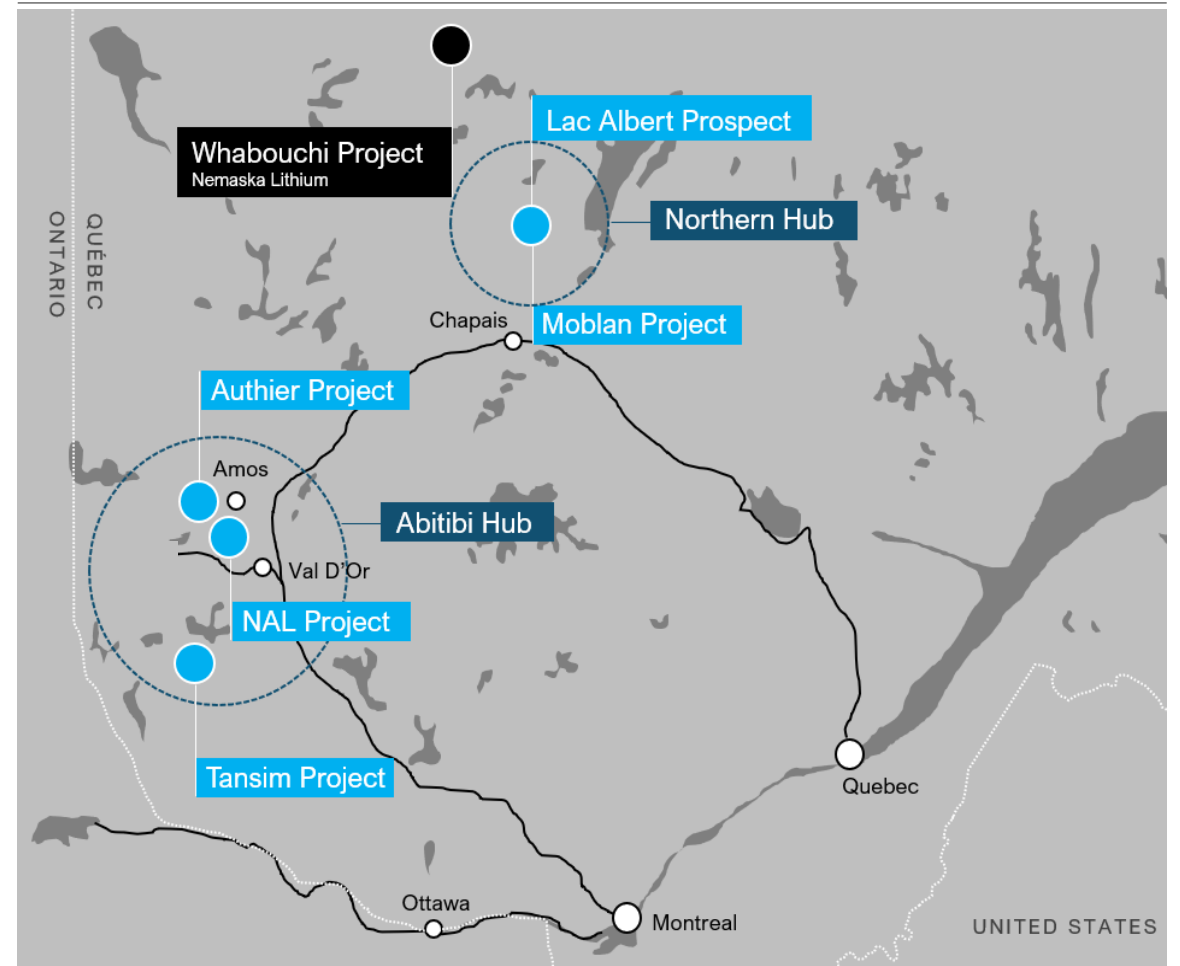
Foreign Mineral Resource Estimate³

12.03Mt

@1.4% Li₂O

Lac Albert Prospect
Located in proven lithium mining province

Sayona aims to produce **100,000t²** of lithium hydroxide from 2030



¹ Combined JORC Measured, Indicated and Inferred Resource for NAL and Authier Canadian National Instrument 43-101 Measured and Indicated Mineral Resource statement. is 87.8Mt @ 1.05% Li₂O

² As at the date of this investor presentation this number is purely aspirational. It is not a prediction of what Sayona will actually be able to produce. While Sayona is currently undertaking a feasibility study, insufficient work and analysis has yet been completed for Sayona to have any reasonable grounds for setting this as a production target.

³ See note on slide 17 related to Moblan resource

North American Lithium (NAL)

In production for \$200M in under two years from acquisition

01 Restarted NAL operations in quick time

Low-cost refurbishment of existing NAL operations. **On-time and on-budget.**

Rail contract signed for delivery to port.

Upgrades underway to improve operational efficiency, reliability, grade, quality and recovery.

Permitting completed and senior personnel recruited.

Mining contractors on-site.

ROM stockpile exceeds 150,000t (as at Dec 2022).

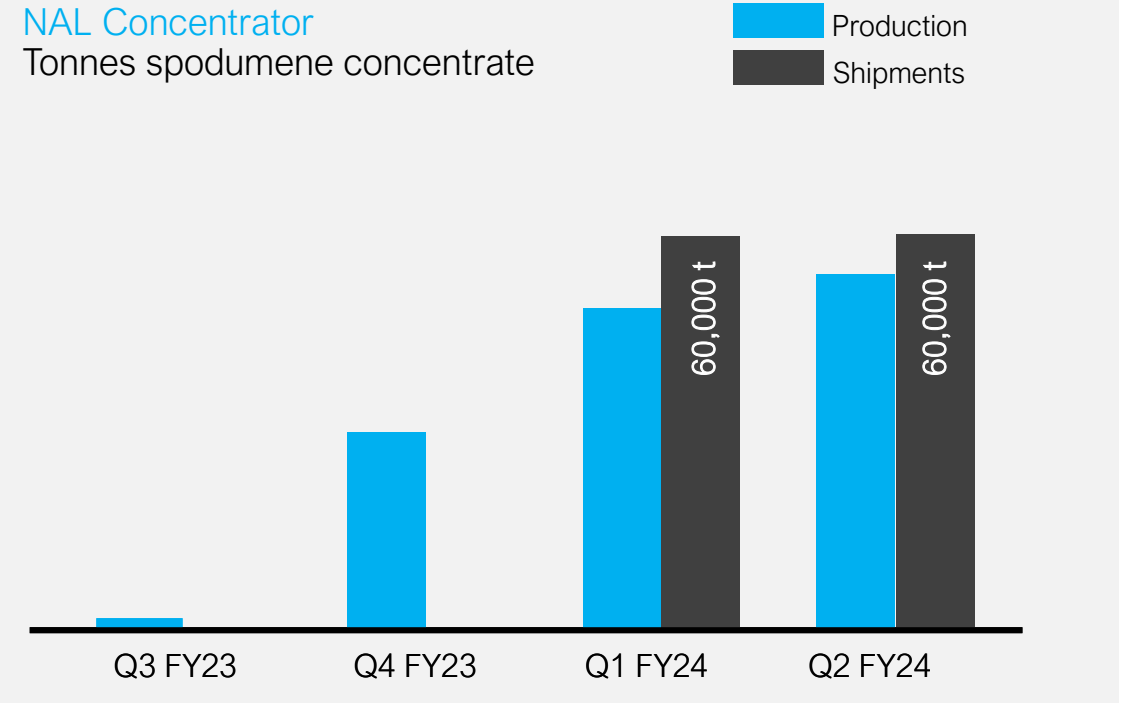
First shipment expected Jul 2023, with **four shipments planned in H1 FY24.**

Primarily hydro-electric powered

Mutual collaboration with community and First Nations

NAL ownership: Sayona 75% | Piedmont 25%

NAL Concentrator
Tonnes spodumene concentrate



Projected NAL H1 FY24 total production spodumene concentrate

85,000t – 115,000t

North American Lithium (NAL) Production

Speed

First saleable lithium concentrate
produced March 2023

01 Restart of operations

First saleable (commercial grade) spodumene
concentrate produced in March 2023

Approximately 1,200 tonnes produced including SC6
(6% lithium grade)

Deliveries of saleable concentrate commenced to
Quebec City port

02 Lithium Production

Sayona aims to produce **226,000t** of spodumene per
year

Sayona on track to become North America's leading
hard rock lithium producer

By 2026, NAL aims to become the first and only
integrated operation in North America, from mining to
processing and downstream



North American Lithium (NAL) Offtake

01 Spodumene offtake agreement

NAL JV will sell Piedmont greater of 50% of facility production volume or 113,000t spodumene concentrate.

Commences 1 July 2023 and runs until earlier of Life-of-Facility or downstream conversion in Québec.

Each shipment will contain allocation for Piedmont and other customers during ramp-up.

Concentrate allocation applied pro-rata each shipment across the year post ramp-up.

02 Additional channels to market

Additional offtake agreements pending.

Sayona has direct exposure to prevailing robust spodumene pricing.

Producing at target nameplate capacity maximises revenue to Sayona.

Four shipments expected in H1 FY24



Abitibi Hub

Growth and transformation

01 Increase resources and production

Sayona will blend ore extracted from Authier with NAL ore to enhance plant performance and economics.

50,000m drilling planned across NAL and Vallée.

Define larger resource base capable of supplying more tonnes and enhanced material quality to NAL concentrator

02 Jourdan Strategic Transactions

Jourdan Resources' Vallée Lithium Project deal - acquisition of 20 claims outright with right to earn up to 51% stake in remaining 28 claims.

Drilling in 2023 as part of the \$4 million earn-in commitment

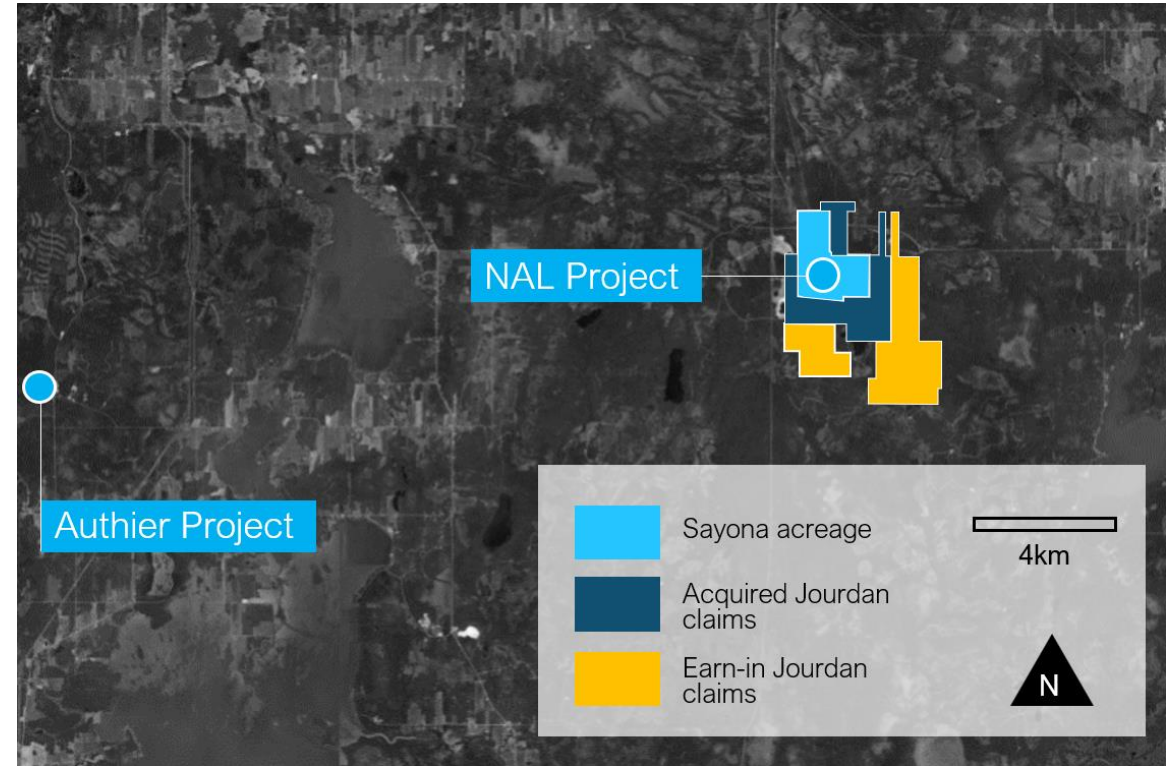
03 Move further downstream

Significantly, the NAL complex already includes a partially completed lithium carbonate plant constructed by its previous owners.

Lithium carbonate PFS due April 2023.
Sayona targeting production by 2026.

Size

50,000m drill campaign in 2023 across NAL and Vallée Lithium project



November 2022

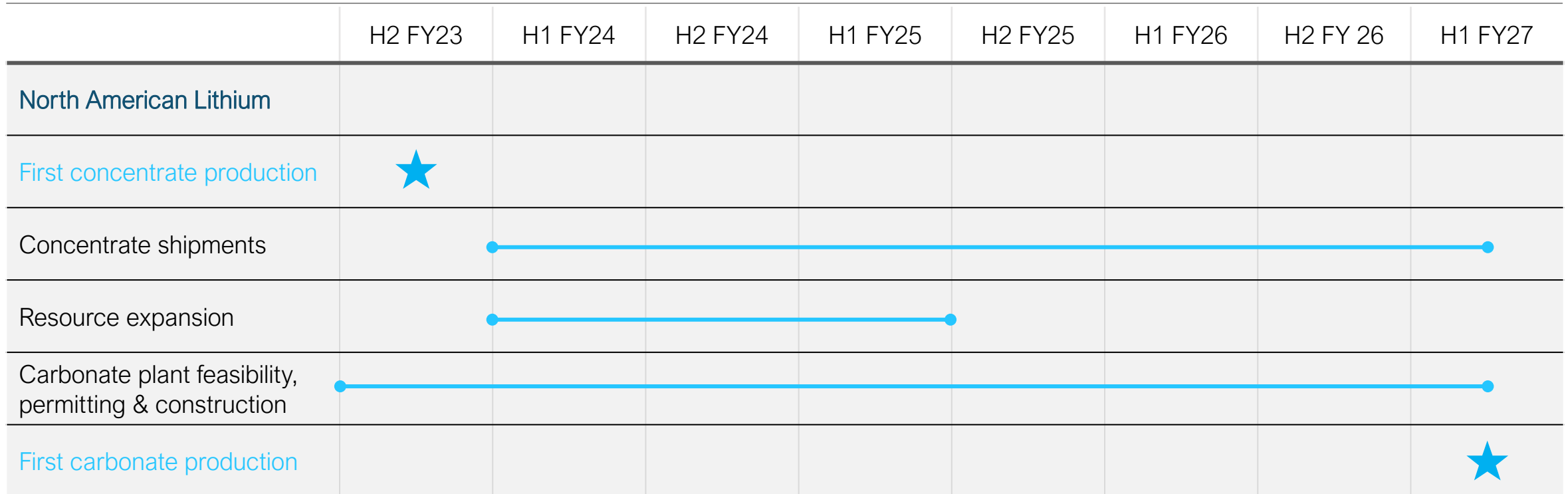
Jourdan Resources' Vallée Lithium Project claims acquisition and joint venture

Abitibi Hub

Timeline¹

Speed

Brownfield asset with quick pathway to production



Northern Hub

Moblan Project

Moblan is host to high-grade spodumene mineralisation with more than 33,000m of diamond core drilling completed by Sayona as at October 2022

Further drilling underway in northern hemisphere winter, expected to result in upgraded resource.

By the numbers

Foreign Mineral Resource Estimate[^]

12.03Mt

@1.4% Li₂O

Moblan PFS due May 2023

Moblan DFS due Oct 2023

Updated estimates pending

[^]The Mineral Resources and Ore Reserves stated are foreign estimates and are not reported in accordance with the JORC Code. A competent person has not done sufficient work to classify the foreign estimates as Mineral Resources or Ore Reserves in accordance with the JORC Code. It is uncertain that following evaluation and/or further exploration work that the foreign estimates will be able to be reported as Mineral Resources or Ore Reserves in accordance with the JORC Code.

Moblan ownership: Sayona 60% | SOQUEM 40%

In October 2021, Sayona acquired a 60% interest in the Moblan Lithium Project through an existing joint venture with SOQUEM Inc, a wholly owned subsidiary of Investissement Québec.



Project to be powered by low cost, green hydro-electricity

Northern Hub

Growth and transformation

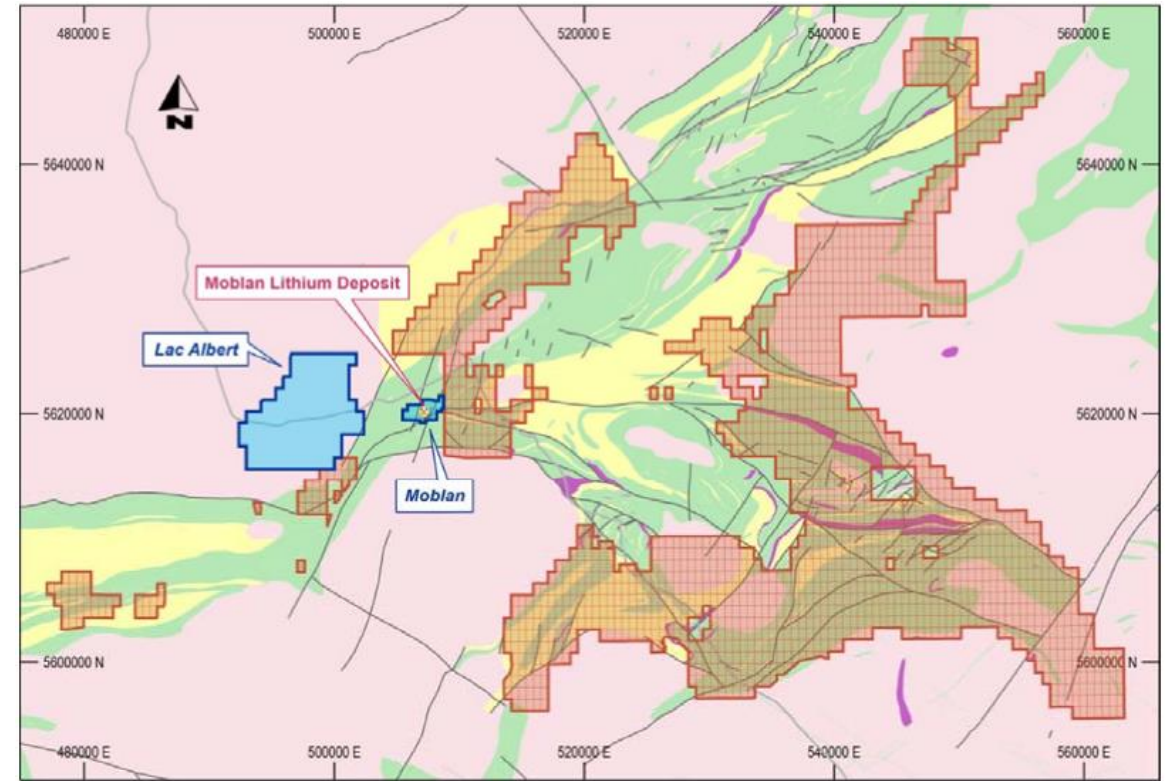
November 2022

Troilus claims acquisition offers opportunity for further expansion of Northern Hub

Troilus claims acquisition comprises 1,824 claims spanning 985 sq km, more than 200 times the size of the Moblan Project.

Moblan PFS due May 2023; DFS due Oct 2023; targeting high grade, low strip ratio operation.

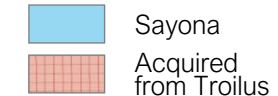
Advances Québec Government's strategy for lithium hub in James Bay region.



Geology:



Claims:

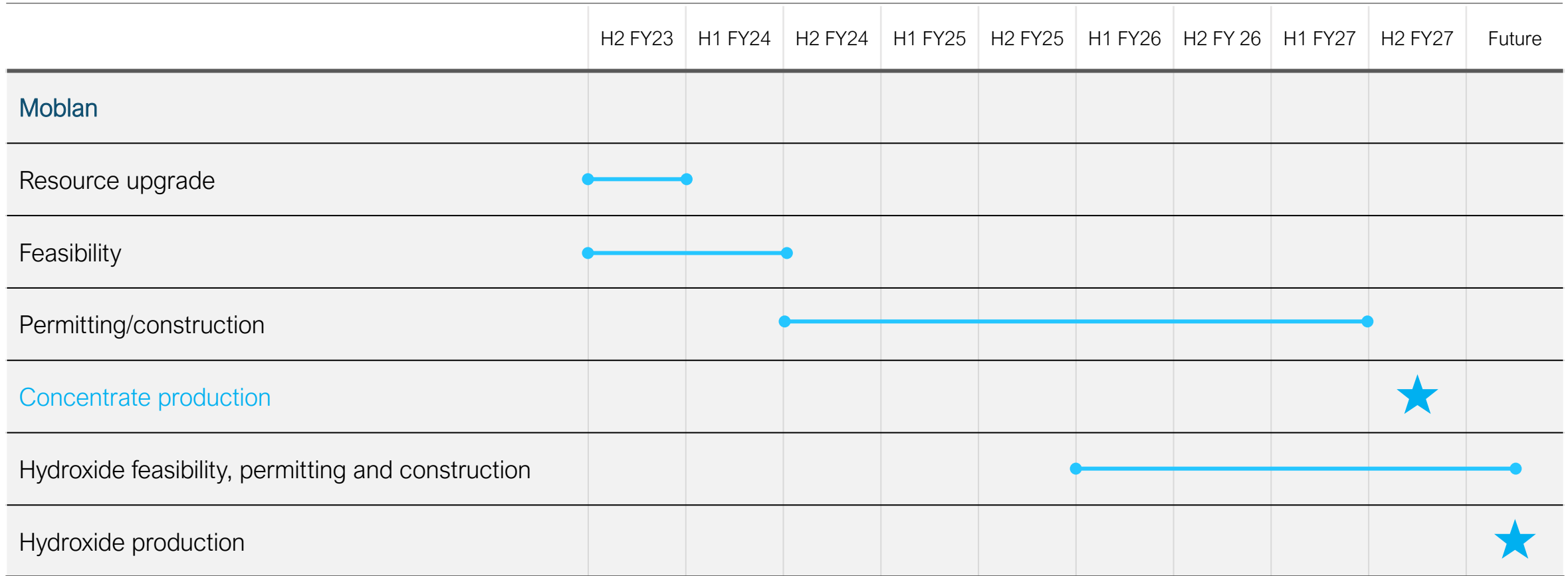


0km 10km 20km

Northern Hub Timeline¹

Speed

Sayona will deliver the Northern Hub with the speed and agility that served to fast-track Abitibi's production



Section 03

Profile
Projects
Outlook



North America's newest lithium producer

Footprint.



202,000ha

Across Abitibi & Northern Hubs

3,600

Claims

Resource.



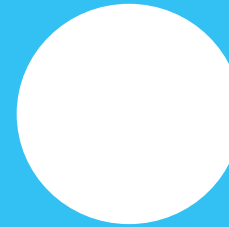
119.1Mt¹

Tonnes in Abitibi Hub

60Mt +

Planned growth in tonnes for Northern Hub

Production.



85,000t-
115,000t

Spodumene concentrate from NAL in H1 FY24

226,000t

NAL target nameplate capacity



Investor milestones

Completed Milestones

- NAL acquisition
- Moblan acquisition
- NAL PFS
- Significant drill program at Moblan
- Troilus claims acquisition
- Jourdan claims acquisition
- NAL restart

Future Milestones

- Additional NAL offtake agreements
- NAL first spodumene shipment
- Exercise of earn-in option for Vallée JV
- NAL carbonate PFS
- NAL carbonate DFS
- Moblan resource upgrade
- Moblan PFS and DFS



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Appendix |

Advanced North American hard rock resources

Company	Project	Ownership	Stage	Resource Tonnes (100% basis)				Grade	Source
				Measured	Indicated	Inferred	Combined		
Sayona Mining	NAL	75%	Production	1.5	72.2	28.2	101.9	1.06%	ASX Announcement – 01 March 2022
Sayona Mining	Authier	75%	FS	6.0	8.1	3.0	17.1	1.01%	ASX Announcement – 01 March 2022
IQ / Livent	Whabouchi	50% / 50%	PP ¹	17.7	20.8	17.2	55.7	1.40%	NI 43-101 Technical Report – August 2019
Piedmont Lithium	Carolina Lithium	100%	FS	--	28.2	15.9	44.2	1.08%	ASX Announcement – 22 October 2021
Allkem	James Bay	100%	FS	--	40.3	--	40.3	1.40%	NI 43-101 Technical Report – 11 January 2022
Critical Elements	Rose	100%	FS	--	31.5	2.7	34.2	0.90%	Investor Presentation – 19 January 2023
Rock Tech	Georgia Lake	100%	PFS	--	10.6	4.2	14.8	0.92%	Pre-Feasibility Study – 1 October 2022