

NEMASKA LITHIUM

LITHIUM HYDROXIDE
POWERING THE FUTURE

How to profit from the booming lithium markets



TSX-V NMX and OTCQX – NMKEF
Constituent of the S&P/TSX Venture Select

April 19, 2016

Forward-looking Statements

During the course of this presentation, Nemaska Lithium Inc. will make a number of statements with regard to the Company's projects, business strategy and plan, which could be construed as forward-looking.

Such forward-looking statements are subject to risks and uncertainties that could cause results to be materially different than expectations. It is uncertain if further work will in fact lead to production of a mineral resource and of lithium compounds.

Nemaska has filed on SEDAR a NI-43-101 compliant feasibility study as of May 13, 2014 and published on April 4, 2016 the results of an updated feasibility study to be filed on SEDAR on or before May 16, 2016. All technical information should be reviewed according to this feasibility study.

Nemaska Lithium Overview

1. Nemaska Lithium has a **World Class Lithium Asset: Whabouchi Spodumene Mine**
 - **2nd richest and largest deposit in the world** with 27.3 MT Proven and Probable Reserves for an initial 26 years mine life - potential to increase, average grade 1.53% Li₂O
 - Federal and Provincial **permits granted, ready to build**
2. **Proprietary process** to make **preferred high-purity lithium compound for batteries** – lithium hydroxide
3. **Cost Leader in the lithium industry** – production costs are lower than peers per Feasibility Study, due to **low cost mining, unique chemical process and affordable hydroelectricity**
4. **Cleanest Lithium Production Process** – State of the art mining processes and green hydroelectricity make the cleanest lithium compounds globally
5. **Experienced Management and In-House Technical Teams** – mining production experience and chemical process experience
6. **Lithium demand forecasted to outstrip supply**

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Lithium Supply, Demand
and Price Forecast

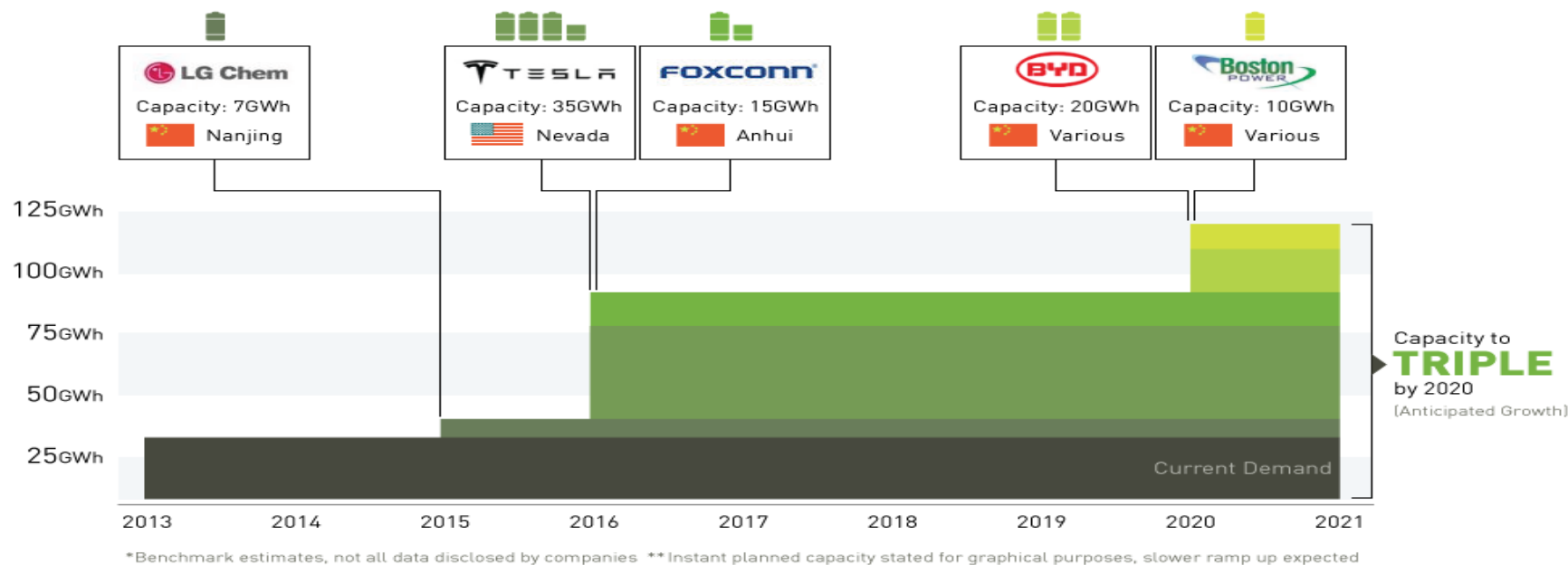
100,000t
of new lithium
carbonate
equivalent
(LCE) needed by
2021

Megafactories Pushing on Demand for Lithium

Chart of the Week

THE LITHIUM-ION BATTERY MEGAFABRIERIES ARE COMING

Production capacity of lithium-ion batteries is anticipated to more than triple by 2020



Data by:



visualcapitalist.com



- Total new capacity of 87 GWh should require an additional 70,000t to 100,000t of LCE by 2021, this supply currently does not exist.

Lithium Hydroxide and Carbonate Prices Expected to Increase

Price forecast trend for battery-grade lithium hydroxide and lithium carbonate (US\$/t CIF)

| | Hydroxide | Carbonate |
|------|-----------|-----------|
| 2015 | 8,640 | 5,575 |
| 2016 | 9,473 | 6,292 |
| 2017 | 9,892 | 6,854 |
| 2018 | 10,210 | 7,410 |
| 2019 | 10,750 | 7,750 |
| 2020 | 11,115 | 8,115 |
| 2021 | 11,495 | 8,495 |
| 2022 | 11,895 | 8,895 |
| 2023 | 12,315 | 9,315 |
| 2024 | 12,750 | 9,750 |
| 2025 | 13,210 | 10,210 |

Source: Roskill (February 2016)

4

major
producers of
lithium globally

New Production From Existing Brines Limited

- **Chile**

- Producers - **SQM & Albemarle**
- Chilean govt. recently authorized Albemarle to increase production capacity
- Partial lift of the moratorium on issuance of new permits announced
- Possibly 2 new exploration permits to be issued to Codelco

- **Argentina**

- Producers – **FMC & Orocobre**
- Orocobre still in commissioning phase. Should reach capacity by end of 2016



New Production From Existing Hard Rock Unlikely

- **Australia/China**
 - Producer – *Talison and Chinese Transformers*
 - Talison jointly owned by **Tianqi Lithium (51%)** and **Albemarle (49%)**
 - Tianqi currently at maximum transformation capacity
 - Mine output capacity increase unlikely for a few years



Lithium New Comers to Meet New Demand

3

Lithium projects
permitted
globally today

Nemaska
Lithium
(Canada)
28,000 t LCE

Lithium
Americas/
SQM
(Argentina)
17,000 t LCE

Neometal/
Ganfeng
(Australia)
20,000 t LCE

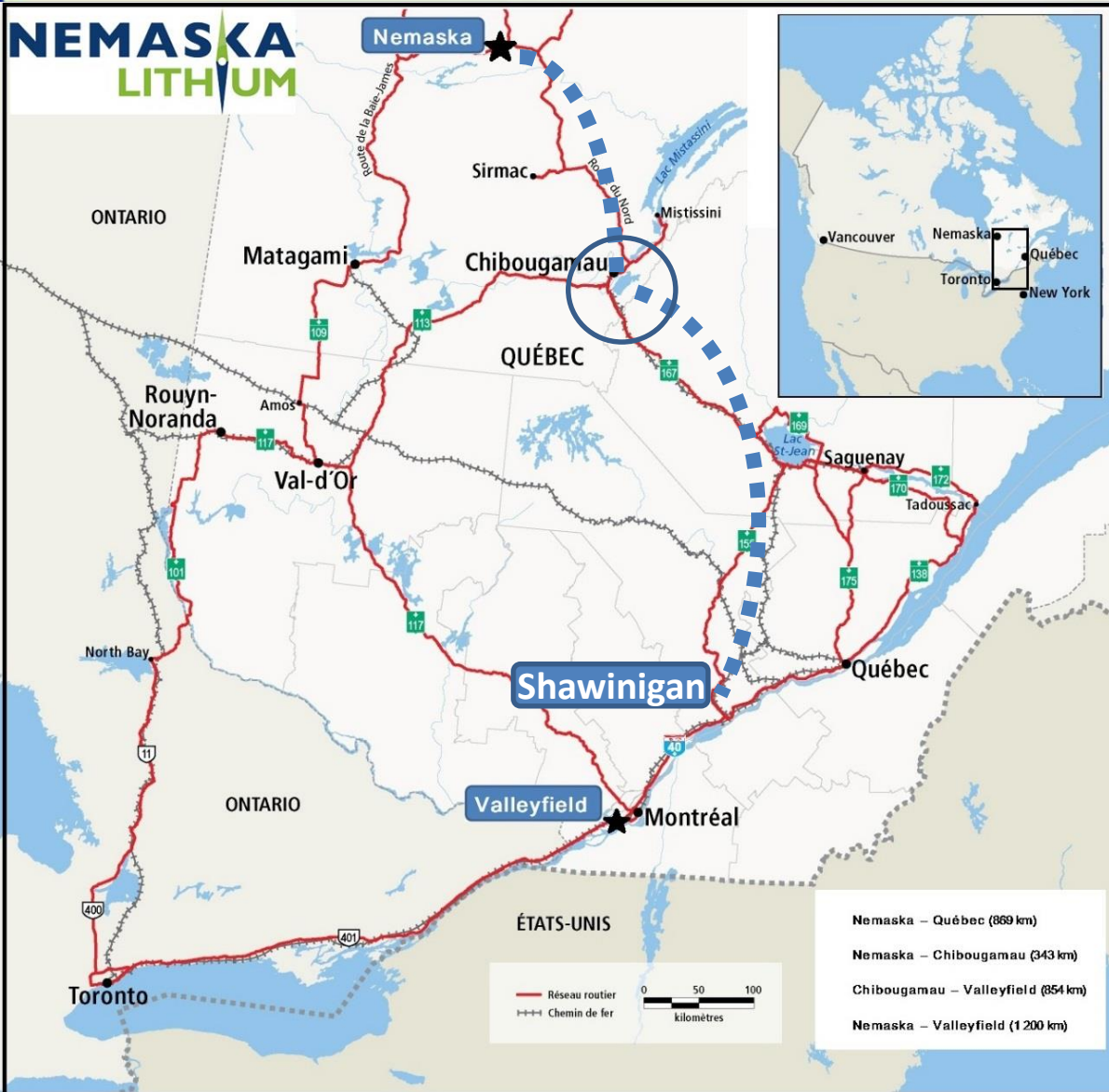
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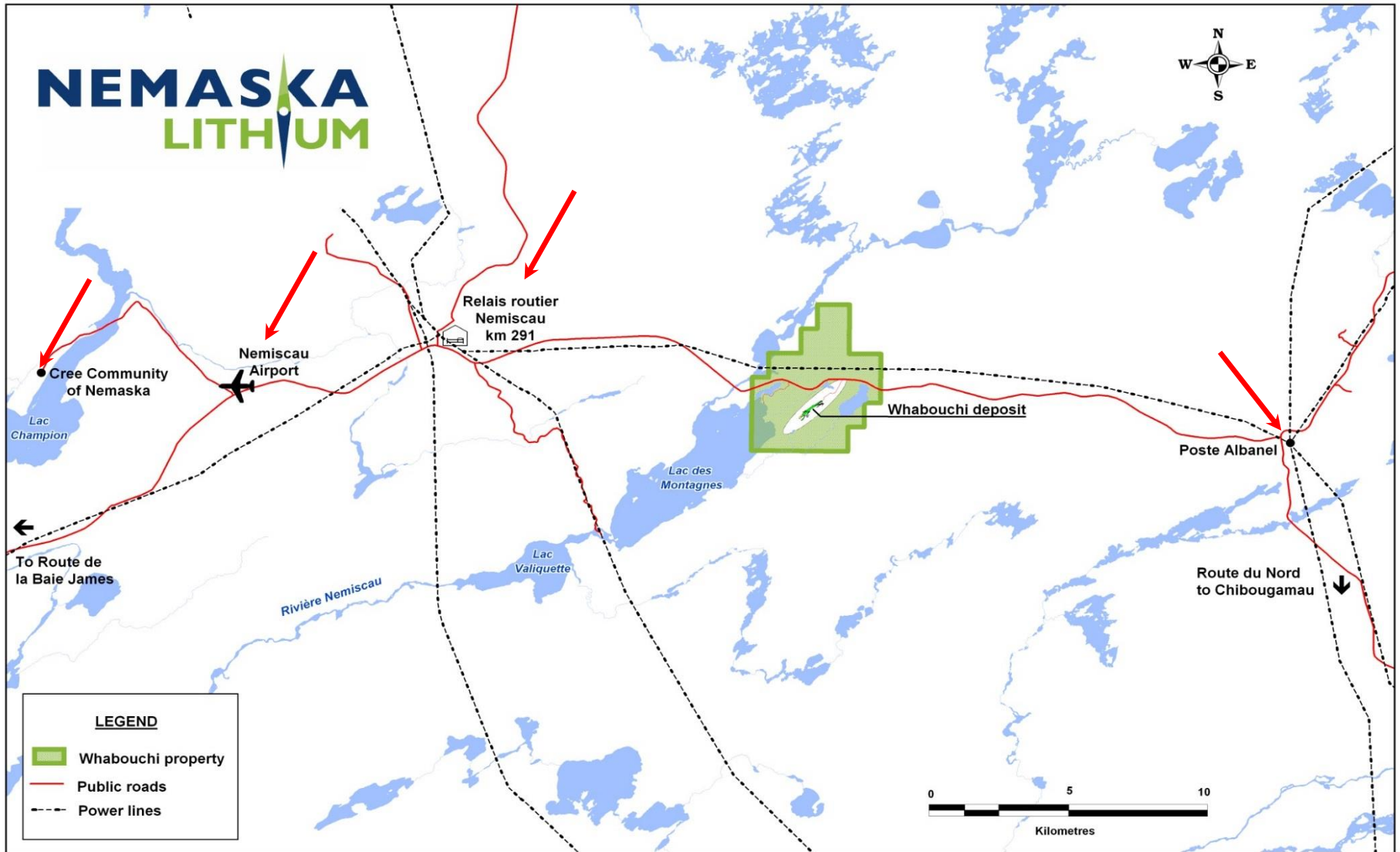
Project Infrastructure,
Reserves & Resources and
Proprietary Process

Quebec, Very Good Location and Jurisdiction

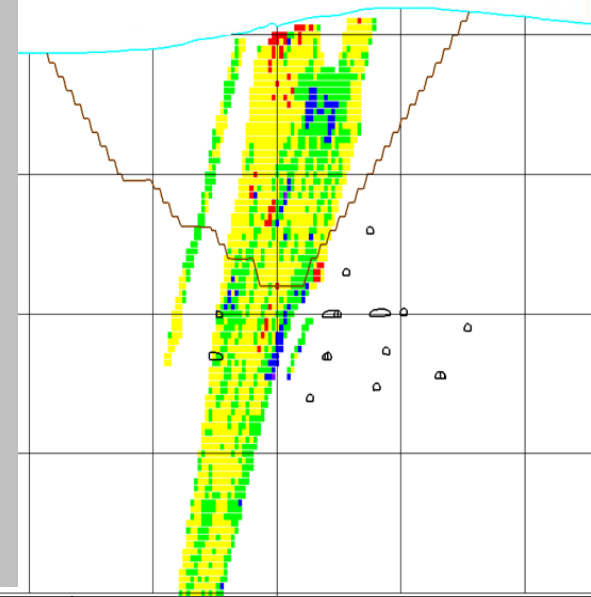
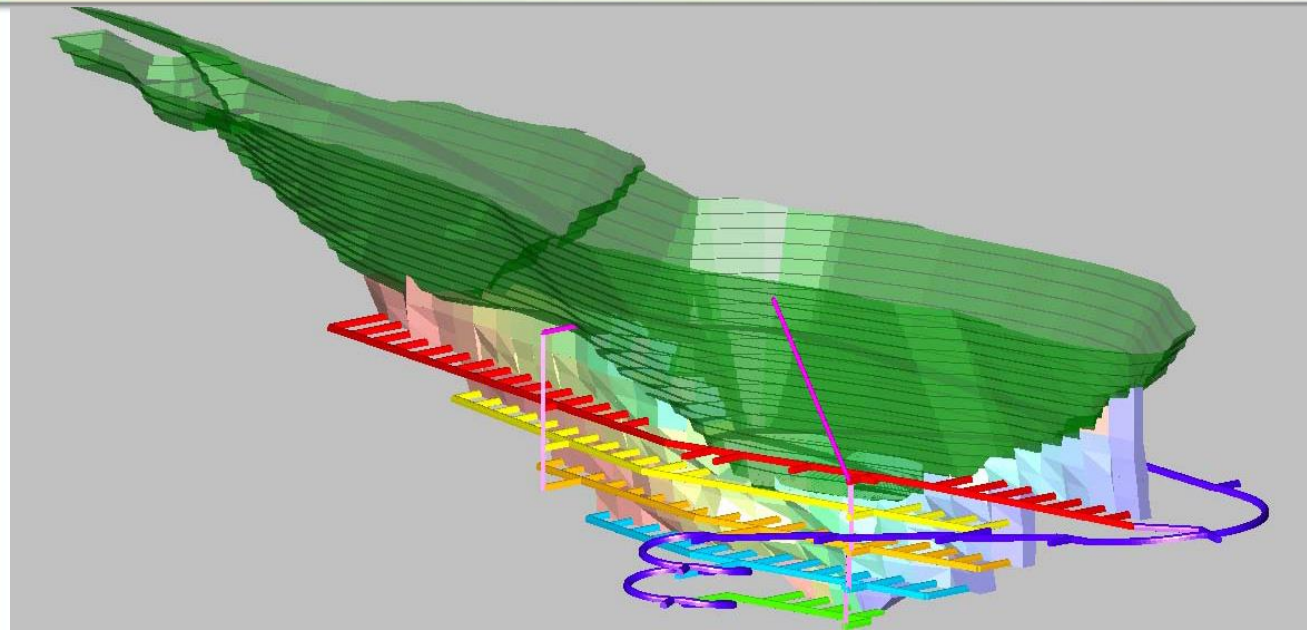


- Mine and concentrator located in **Eeyou Istchee James Bay region**, 300km North of Chibougamau
 - 1.1MT/y ore
 - 213kt/y 6% Li_2O concentrate
 - **185 employees**
- Transport by road and rail (CN) **Chibougamau**
 - 18-24 rail cars/3days
 - 6 trucks/day
 - **15 employees**
- Hydromet Plant in **Shawinigan**
 - 28kt/y $\text{LiOH}\cdot\text{H}_2\text{O}$
 - 3.25kt/y Li_2CO_3
 - **110 employees**

Excellent Infrastructure at Mine Site



Grade is KING + Low levels of Mica, Sodium and Potassium



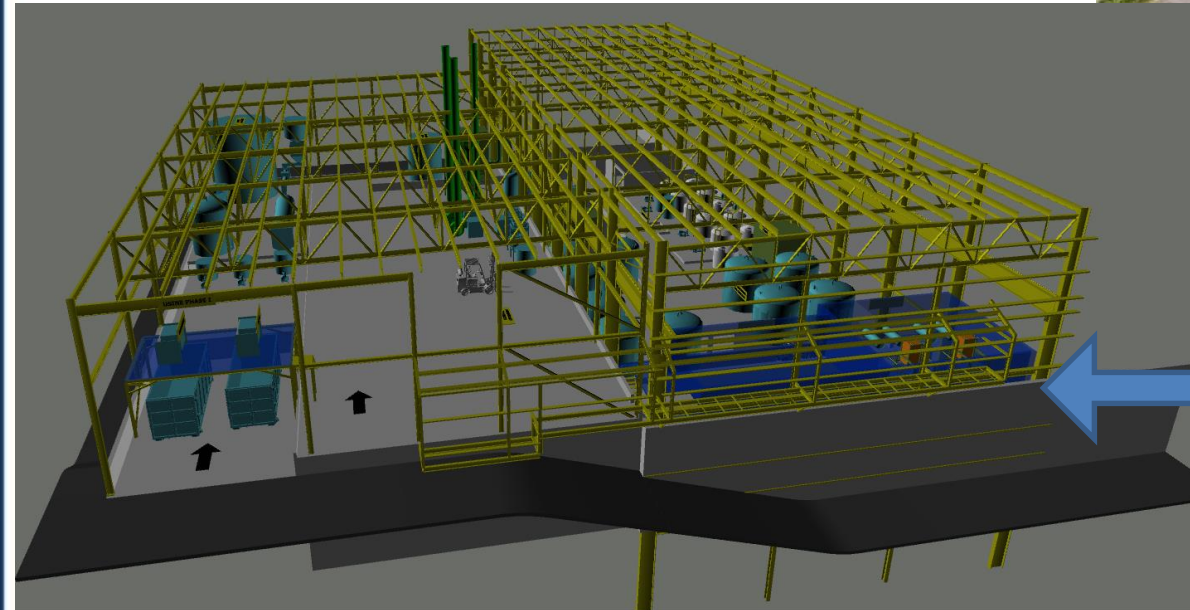
| Reserves | | | Resources | | |
|----------------------------|---------------|-----------------------|-----------|---------------|-----------------------|
| Category | Tonnage (Mt)* | Li ₂ O (%) | Category | Tonnage (Mt)* | Li ₂ O (%) |
| Open pit | | | | | |
| Proven | 11.7 | 1.58 | Measured | 12.998 | 1.60 |
| Probable | 8.3 | 1.46 | Indicated | 14.993 | 1.54 |
| Proven and probable | 20.0 | 1.53 | M + I | 27.991 | 1.57 |
| Underground | | | Inferred | 4.686 | 1.51 |
| Proven | 1.6 | 1.27 | | | |
| Probable | 5.7 | 1.29 | | | |
| Proven and probable | 7.3 | 1.28 | | | |

Hydromet Plants existing buildings in Shawinigan, Quebec



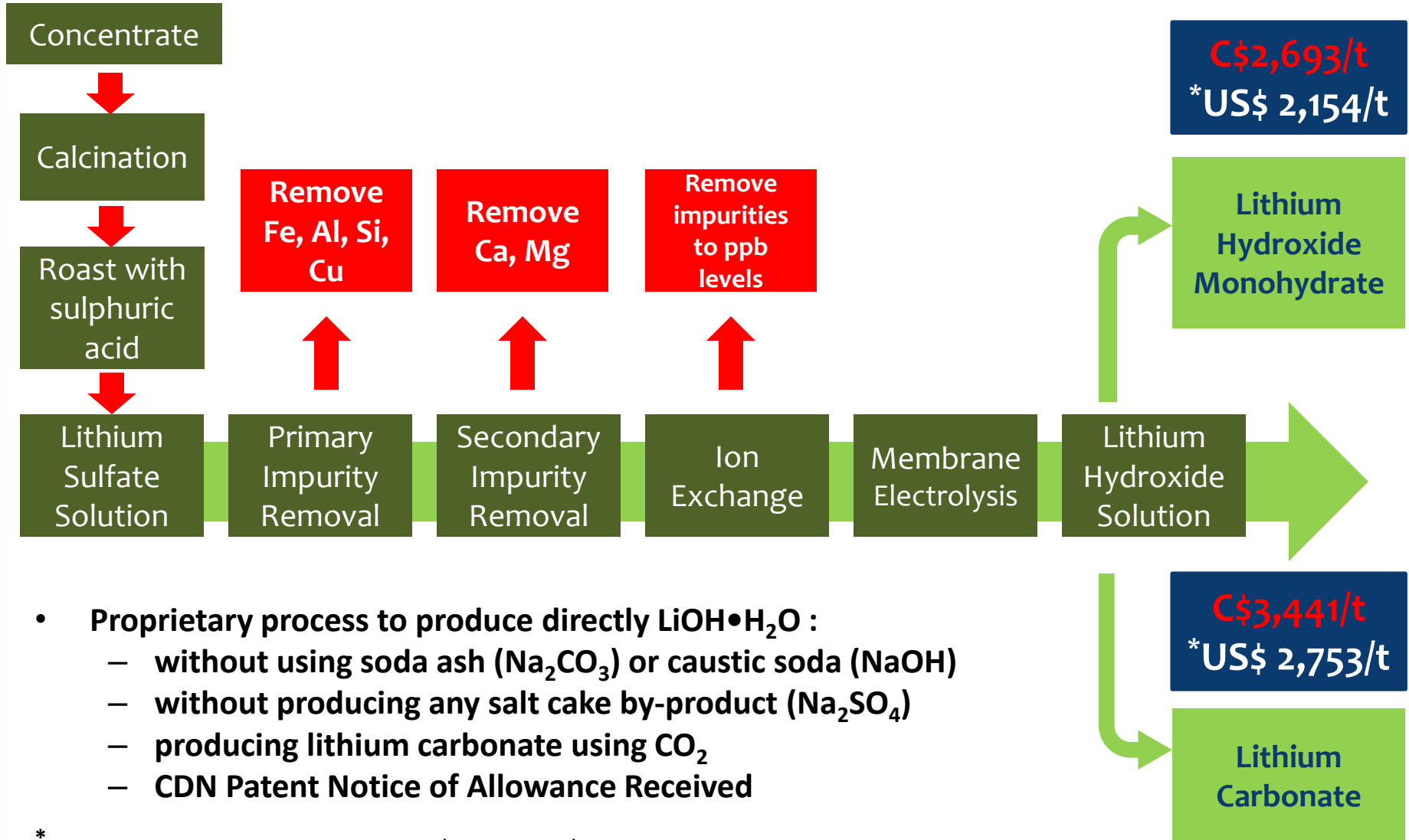
Artist rendition to modify existing site and buildings

Phase 1 Plant - Layout



Artist rendition to modify existing site and buildings

Nemaska Added Value : Produce Directly $\text{LiOH} \cdot \text{H}_2\text{O}$



- Proprietary process to produce directly $\text{LiOH} \cdot \text{H}_2\text{O}$:
 - without using soda ash (Na_2CO_3) or caustic soda (NaOH)
 - without producing any salt cake by-product (Na_2SO_4)
 - producing lithium carbonate using CO_2
 - CDN Patent Notice of Allowance Received

* Exchange rate as per Feasibility Study $\$1.00 \text{ CAD} = \0.80 US

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Feasibility Study Highlights,
Sensitivity Analysis, Financing
Options – Plan Nord

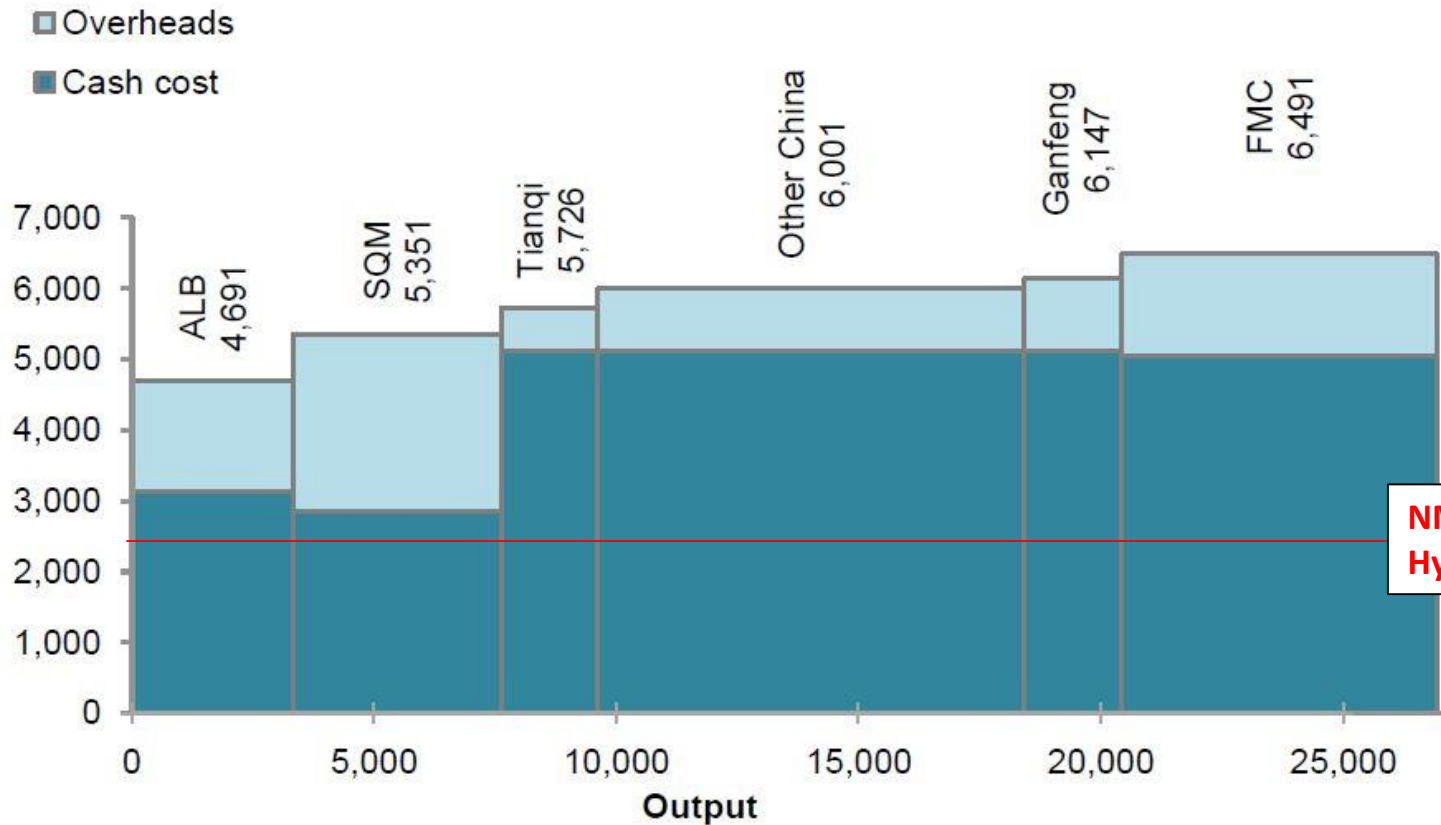
2016 Feasibility Study Highlights

| | | |
|--|--|---------------------------------------|
| Expected Mine Life and pay back period | 26 years with 2.4 year pay back period | |
| Life of Mine Revenue | \$9.2 Billion (US\$7.4 B) (average of \$354M/yr for 26 yrs) | |
| | Pre-Tax | After tax |
| Undiscounted Cash Flow | \$6.2 Billion (US\$4.9 B) (average of \$260M/yr before initial CAPEX) | \$3.9 Billion (US\$3.1 B) |
| NPV | \$1.9 B (US\$1.5B) 8% Discount | \$1.2 B (US\$928M) 8% Discount |
| Internal Rate of Return (IRR) | 37.7% | 30.3% |
| Total Initial Capital Costs | C\$549M (US\$439M) in CAPEX including contingency | |
| Average Cost Per Tonne Spodumene Concentrate | C\$181/t (US\$145/t) FOB Whabouchi Mine C\$231/t (US\$185/t) CIF Shawinigan | |
| Average Cost Per Tonne Lithium Hydroxide | C\$2,693/t (US\$2,154/t) FOB Shawinigan Lowest cost producer | |
| Average Cost Per Tonne Lithium Carbonate | C\$3,441/t (\$US2,753/t) FOB Shawinigan Lowest cost producer @ 99.99% | |
| Yearly average production | <p>≈213,000 tonnes of concentrate (6%) Mine site</p> <p>≈27,500 tonnes of lithium hydroxide Hydromet plant in Shawinigan</p> <p>≈3,245 tonnes of lithium carbonate Hydromet plant in Shawinigan</p> | |
| Exchange Rate \$C to \$US | 1 : 0.8 | |
| Sales Prices FOB Shawinigan Lithium Hydroxide US\$9,500/t, Lithium Carbonate US\$7,000/t | | |

(All calculations assume a 6% Li₂O spodumene concentrate) (All figures are quoted in \$CDN, unless otherwise specified)

Nemaska Lithium – LiOH Lowest Cost Producer

Figure 18: Lithium hydroxide¹ cost curve, 2014 (US\$/t LiOH.H₂O DDP)



NMX Lithium Hydroxide Cost

Source: Roskill; Ehren Gonzalez Ltda; Hatch

Notes: 1 – Combined technical- and battery- grades

SQM, ALB and FMC costs assume lithium carbonate at cost; Tianqi, Other China and Ganfeng mineral conversion assumes US\$430/t CIF spodumene concentrate from Talison Lithium

Supportive Quebec Government

- Investor in Nemaska since its inception through various exploration and development funds



- **“Plan Nord” program** to support the development of resources in Northern Quebec (North of 49th parallel)
- Special fund of \$1B to take direct equity positions (up to 20%) in companies or projects
- Nemaska project qualifies

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Business Plan and Market
Penetration Strategy

Nemaska Lithium Business Plan

- **Achieve Market Penetration While Building Commercial Plant**
 - Build and operate a Phase 1 Production Plant to:
 - Engage customers with product in advance of commercial production to qualify the product
 - Total budget of \$38M arranged
 - (\$13M in grant from SDTC, \$3M in grant from Technoclimat, \$10M equity investment from Resources Quebec and MOU with Johnson Matthey Battery Materials (JMBM) for \$12M upfront payment to be repaid with lithium products and services)
 - Sign Commercial Off-Take Agreements
 - MOU with JMBM contemplates off-take agreement from commercial plant
- **Start Commercially Producing Lithium Hydroxide and Lithium Carbonate**
 - Attract a strategic partner to participate in the financing of commercial production
 - Begin construction of mine, concentrator and hydromet plant in Q1-2017; and start Commercial production in Q3-2018
 - Total budget of CDN \$549M (see 2016 Feasibility study for more details)

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Conclusion, Capital Structure,
Management and Board of
Directors

Conclusion – Why Nemaska Lithium

- Given the forthcoming shortage in lithium hydroxide supply, Nemaska Lithium is **perfectly timed** to enter the chain of supply
- Phase 1 production plant is a sound decision, significantly reduces funds required and de-risk start up of commercial production
- **Permitted 2nd richest and largest lithium hard rock** mine in the world with at least 26 years reserves
- State of the art processes of producing lithium hydroxide and lithium carbonate - **leading advantage over peers**
- Ready to start project financing and construction
- **Supportive Quebec Government**
- **MOU with JMBM** a large credible end user, **upfront payment** for product and **future off-take**

Capital Structure (April 18, 2016)

| | |
|---|--------------------|
| Shares outstanding | 217,173,915 |
| Options (average exercise price \$0.51) | 14,901,725 |
| Warrants (average exercise price \$0.28) | 22,221,915 |
| Fully Diluted | 254,297,555 |

Distribution on a fully diluted basis

| | |
|--|-------|
| Management | ≈14 % |
| Tianqi | ≈8 % |
| Retail, Institutional and Funds | ≈78 % |

Leading Technical Team

Jean-François Magnan, Eng. M.Sc. Technical Manager

Mr. Magnan is a professional engineer with more than 20 years of experience in the metallurgical industry. During his career, he held several positions within the lithium industry including: R&D Advisor, R&D Project Manager, Consultant and Quality Control Metallurgist. He also acted as Project Manager for Phostech Lithium Inc. in 2000 and 2001. Mr. Magnan is the author/inventor of several patents in the lithium rechargeable batteries field. He holds a Master's Degree in Materials Engineering from Laval University.

Gary Pearse, Senior Consultant

Professional engineer with more than 40 years of experience, largely as a rare metals and industrial minerals consultant. During his career, he managed scoping studies, pre-feasibility and feasibility studies, authored numerous technical papers and managed or consulted on significant pegmatite projects.

Bertin Ouellet, Process Chemical Engineer

Mr. Ouellet is a professional chemical engineer, who graduated from Sherbrooke University, with more than 30 years of experience in various manufacturing industries, mainly the industrial chemical sector: production of sodium chlorate, phosphorus, phosphoric acid and phosphate salts, chlorine, sodium hydroxide, hydrochloric acid, electrolytic magnesium and magnesium alloys. His previous roles include process engineer, health, safety and environmental manager, and senior process safety engineer. He has been a HAZOP leader since 1985 with over 200 safety reviews performed.

Nicolas Laroche, Electrochemical Engineer

Mr. Laroche is specialized in Electrochemical Engineering and Technologies from masters studies at both Université de Sherbrooke and McGill University. Since joining Nemaska Lithium in January 2014 as a process optimization engineer, he has played an active role in the Company's pursuit of patents covering its innovative technologies, of which he is a co-inventor.

Experienced Management and Board

Guy Bourassa, President and CEO, Board of Directors

Mr. Bourassa is President and CEO since Nemaska's inception in 2008. He brings more than 30 years of experience in the mining industry to this role. Among other things he was instrumental in identifying and negotiating the acquisition of the Whabouchi lithium property and securing over \$35 million through financings in the capital markets to develop this project. Through his leadership, the Company brought an historical lithium showing to a world class deposit and has developed new innovative processes of producing high purity lithium hydroxide and lithium carbonate, which should allow Nemaska to become a world leader in these lithium compound markets. Mr. Bourassa is a recognized leader in the lithium industry having spoken at several international lithium and mining conferences and events. Mr. Bourassa holds a law degree from Université Laval.

Michel Baril, Chairman of the Board and President of the Audit Committee

Mechanical engineer, with over 30 years of experience in management. Mr. Baril was an executive with Bombardier Inc. Presently he acts as director of numerous public and private companies.

Steve Nadeau, Chief Financial Officer

Mr. Nadeau is a CPA,CGA and is the Chief Financial Officer of Nemaska since its inception in 2008. He brings more than 20 years of experiences and knowhow in management, accounting and finance. Prior to joining Nemaska, Mr. Nadeau held several senior financial positions for companies which were either extracting or manufacturing products related to the granite industry, electronics and automotive field. Mr. Nadeau was also Chief Financial Officer of Monarques Gold Corporation from March 2011 to December 2015.

Board of Directors

François Biron, Director

Mr. François Biron is a senior professional mining engineer with 40 years of experience in the mining industry. His extensive experience in mining operations has been developed through acting in several senior site-based positions with well-known international mining companies, and recently he has acquired experience in the executive management of a Canadian industrial minerals company. Mr. Biron has an entrepreneurial vision oriented towards business development and a perspective of industry growth with respect to the environment. He participate in the management of major open pit mines with the best operating standards to achieve goals and corporate objectives. Mr. Biron elaborate recently a new mining project in introducing the social acceptability concept and public consultations in the local communities where the project will be implement, based on the latest automation mining technologies and to improve the mining process.

Paul-Henri Couture, Director

Mr. Paul-Henri Couture has over 35 years of experience as a financial management and investment professional. He has held senior positions at the Caisse de dépôt and placement du Québec and at Sentient Asset Management Canada. During his tenure at the Caisse, Mr. Couture led a team responsible for a \$3 billion investment portfolio with a focus on financial institutions and natural resources sectors. While at the Caisse, Mr. Couture also launched two innovative mining funds: Groupe Sodémex Inc. and MinQuest Capital. He built and developed a \$3-billion portfolio in turnarounds and corporate restructurings. Mr. Couture is President of Minvest Capital, a business providing management and investing consulting services.

Gordon Gao, Director

Mr. Gordon Gao is Vice President of TQC Equipment Inc. (TQCE), the Canadian subsidiary of Chengdu Tianqi Industry Group Co., Ltd.. Before joining TQCE in 2009, he worked as an international business manager of Chengdu Enwei Group Co., Ltd. from 2002, which is specialized in medicine and health products. Mr. Gordon Gao holds a Bachelor degree of Economics of East China Normal University, Shanghai, China (2000).

Board of Directors (continued)

René Lessard, Director

Mr. Lessard was the Sales Manager of Campagna Motors Inc. from September 2008 to October 2009. From October 2004 to October 2007, he was a sales manager of T-Rex Vehicles Inc. From February 2001 to July 2004, he was the Sales Manager of Distribution GLR inc. in Québec City. From March 1997 to October 2000, he was a sales representative of Ray-Flammes Inc. of Quebec City.

Judy Baker, Director

Ms. Baker holds an Honours B. Sc. Geological Engineering in mineral resources exploration and a MBA and has more than 20 years of experience in the mining and mineral exploration sector. She most recently was the Chief Executive Officer, a director and founder of Superior Copper Corporation (previously Cenit Corporation), a copper exploration company. Previously to this, Ms. Baker was instrumental in either restructuring or acquiring projects related to the lithium industry.

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Appendix
RB Energy Comparison

Main Differences Between Whabouchi Mine and Quebec

Lithium Project (according to respective FS)

Ore Grade 55% higher at Whabouchi :

Whabouchi **1.46%** Li₂O

QLI **0.94%** Li₂O

Stripping ratio 2.5 time lower at Whabouchi:

Whabouchi **2.2/1**

QLI **5.5/1**

Dilution far greater at QLI: QLI has over **50 narrow veins** compared to **one main thick dyke** at Whabouchi making it a lot easier to control grade and dilution to feed the concentrator

Ore mined versus LCE output: NMX to make 40% more LCE final products by mining 30% less ore.

Concentrate grade: The required grade of the spodumene concentrate to produce lithium carbonate and hydroxide is 6% Li₂O. Whabouchi ore steadily reached that grade. QLI was targeting 5% Li₂O.

Nemaska Lithium and RB Energy (CLQ) Same Scale Comparison



Sources:

Met-Chem Canada, 2014
Feasibility Study on the Whabouchi Lithium Deposit
and Hydromet Plant NI 43-101, June 2014
Nemaska Lithium Website:
www.nemaskalithium.com

Resources Classification

Measured ■
Indicated ■
Inferred ■

Final pit design contour

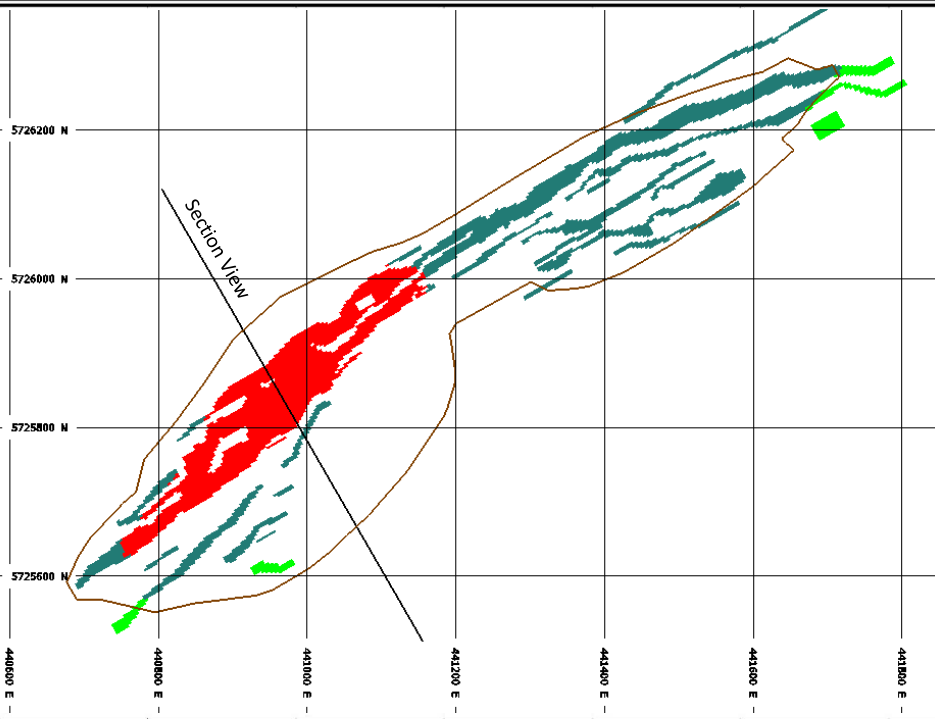


Sources:

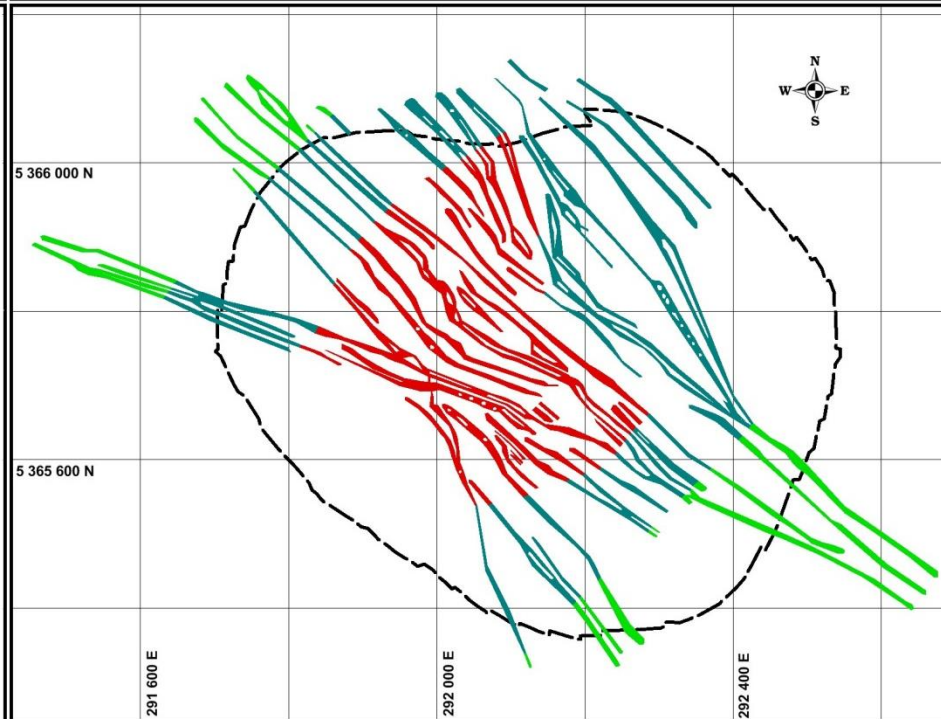
Technology Management Group, 2012, Feasibility
Study Updated, NI 43-101 Technical Report
Quebec Lithium Project, La Corne Township
Quebec, October
Canada Lithium Corp. Website:
www.canadalithium.com



Whabouchi Deposit: Surface resources classification in plan view



Quebec Lithium Deposit : Surface resources classification in plan view



Whabouchi Deposit Informations

| | |
|------------------------|---------------------------|
| Location | James Bay, Quebec, Canada |
| 100% owned | YES |
| Life of mine | 26 years |
| Stripping Ratio | 2.2 : 1 |
| Li-Hydroxide producer | YES |
| Li-Carbonate producer | YES |

Whabouchi Mineral Reserves

| Category | Tonnes | Li ₂ O Grade |
|---------------|-------------------|-------------------------|
| Proven | 13,300,000 | 1.54% |
| Probable | 14,000,000 | 1.39% |
| Total | 27,300,000 | 1.46% |
| Cut-off Grade | 0.43% | |

Quebec Lithium Deposit Informations

| | |
|------------------------|-------------------------|
| Location | Abitibi, Quebec, Canada |
| 100% owned | YES |
| Life of mine | 14.9 years |
| Stripping Ratio | 5.5 : 1 |
| Li-Hydroxide producer | NO |
| Li-Carbonate producer | YES |

Quebec Lithium Mineral Reserves

| Category | Tonnes | Li ₂ O Grade |
|---------------|-------------------|-------------------------|
| Proven | 6,605,000 | 0.92% |
| Probable | 10,459,000 | 0.95% |
| Total | 17,064,000 | 0.94% |
| Cut-off Grade | 0.6% | |

Nemaska Lithium and RB Energy (CLQ) Same Scale Comparison



Sources:

Met-Chem Canada, 2014
Feasibility Study on the Whabouchi Lithium Deposit and Hydromet Plant NI 43-101, June 2014
Nemaska Lithium Website:
www.nemaskalithium.com

WHA Grades

≥ 0.4 % Li₂O
≥ 1.0 % Li₂O
≥ 1.2 % Li₂O
≥ 1.5 % Li₂O
≥ 2.0 % Li₂O

Legend

Surface 
Pit design 

QL Grades

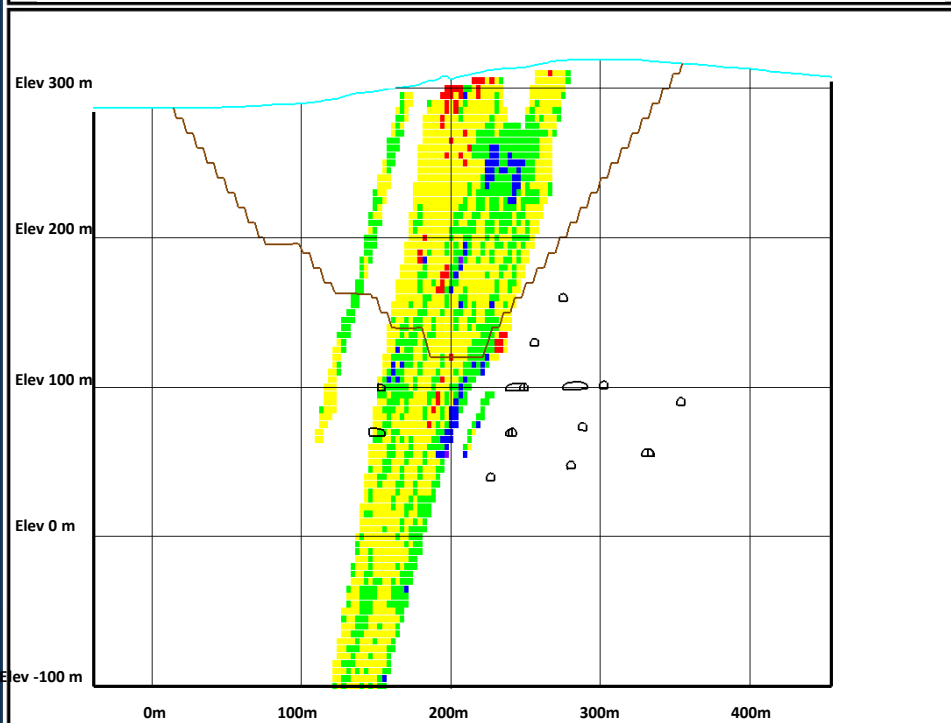
[0 ; 0.6[% Li₂O
[0.6 ; 0.8[% Li₂O
[0.8 ; 1.0[% Li₂O
[1.0 ; 2.0[% Li₂O
≥ 2.0 % Li₂O

Sources:

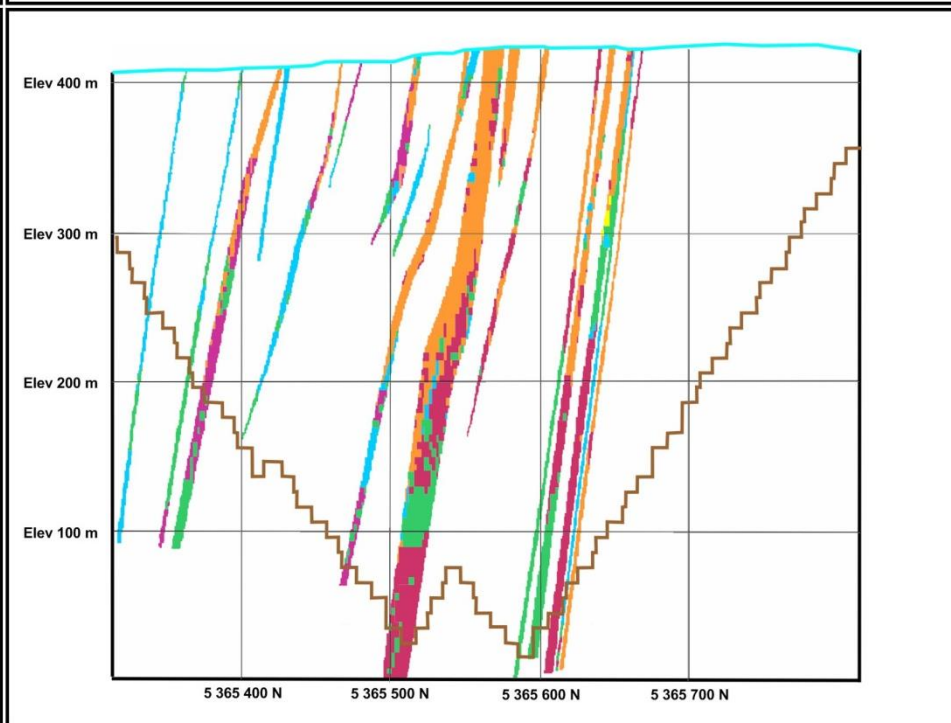
Technology Management Group, 2012, Feasibility Study Updated, NI 43-101 Technical Report Quebec Lithium Project, La Corne Township Quebec, October
Canada Lithium Corp. Website:
www.canadalithium.com



Whabouchi Deposit: Vertical Section with Block model Grades



Quebec Lithium Deposit : Vertical Section 25 with Block Model Grades



Whabouchi Deposit Informations

| | |
|------------------------|---------------------------|
| Location | James Bay, Quebec, Canada |
| 100% owned | YES |
| Life of mine | 26 years |
| Stripping Ratio | 2.2 : 1 |
| Li-Hydroxide producer | YES |
| Li-Carbonate producer | YES |

Whabouchi Mineral Reserves

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| Total | 27,300,000 | 1.46% |
| Cut-off Grade | 0.43% | |

Quebec Lithium Deposit Informations

| | |
|------------------------|-------------------------|
| Location | Abitibi, Quebec, Canada |
| 100% owned | YES |
| Life of mine | 14.9 years |
| Stripping Ratio | 5.5 : 1 |
| Li-Hydroxide producer | NO |
| Li-Carbonate producer | YES |

Quebec Lithium Mineral Reserves

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