Lithium Ionic Corp.

Frederic Tremblay, CFA • (514) 841-0283 • frederic.a.tremblay@desjardins.com Liam Bergevin, Associate • (514) 809-7586 • liam.a.bergevin@desjardins.com

Rating: Buy, Risk: Speculative, Target: C\$3.75 LTH C\$0.74, TSX-V

Bandeira delivers high-grade drill results as the project advances toward a production decision

This morning, Lithium Ionic announced new assay results for 23 drill holes at its feasibility-stage Bandeira lithium project located close to Sigma Lithium's Grota do Cirilo project and CBL's Cachoeira lithium mine in Minas Gerais, Brazil. The announcement includes the following high-grade drill results:

- 1.25% Li₂O over 49.8m, including 1.46% Li₂O over 27m; intersected from ~55m downhole (hole ITDD-23-213).
- 1.46% Li₂O over 40m, including 2.02% Li₂O over 6m, 1.83% Li₂O over 7m and 3.38% Li₂O over 5m; intersected from ~147m downhole (hole ITDD-24-259).
- 1.86% Li₂O over 24.1m; intersected from ~180m downhole (hole ITDD-24-256).
- 2.13% Li₂O over 20.4m, including 2.62% Li₂O over 10.4m and 3.78% Li₂O over 3.3m; intersected from ~175m downhole (hole ITDD-24-260).
- 2.03% Li₂O over 18.6m; intersected from ~189m downhole (hole ITDD-24-257).
- 1.93% Li₂O over 11.5m and 1.31% Li₂O over 12.5m, including 2.04% Li₂O over 6m (hole ITDD-24-262).

LTH remains a catalyst-rich story:

- Some of the assay results released today, including high-grade results from seven holes (ITDD-24-256 to ITDD-24-262), were not included in the updated <u>Bandeira mineral resource estimate</u> of 41.9mt grading 1.35% announced on April 12, 2024. Consequently, with today's strong results, we continue to see **potential resource expansion** at Bandeira (in addition to our positive view on the Salinas project).
- Management indicated that it continues to prioritize the **advancement of Bandeira to production** and that it looks forward to **delivering significant milestones toward this goal in the near term**.
- A feasibility study for Bandeira is expected to be completed in May 2024.
- In early 3Q24, LTH expects an approval for the concomitant environmental and installation licence, which would grant the company an environmental and social licence for Bandeira and an authorization to begin construction.
- At the Salinas project, a PEA is expected in 2H24 and an environmental impact assessment in 1Q25.

This report was prepared by an analyst(s) employed by Desjardins Capital Markets and who is (are) not registered as a research analyst(s) under FINRA rules. Please see disclosure section on pages 3–5 for company-specific disclosures, analyst certification and legal disclaimers.

1

Valuation. LTH trades at 0.16x P/NAV vs peers at 0.27x. We view valuation as compelling, especially considering LTH's quick path to production, low costs, proximity to producers and infrastructure, and further resource growth potential.

DISCLOSURES

COMPANY-SPECIFIC DISCLOSURES

Desjardins Capital Markets has performed investment banking services for Lithium Ionic Corp. in the past 12 months.

Desjardins Capital Markets has received compensation for investment banking services from Lithium Ionic Corp. within the past 12 months.

Desjardins Capital Markets has managed or co-managed a public offering of securities for Lithium Ionic Corp. in the past 12 months.

The Desjardins Capital Markets research analyst(s) and/or associate(s) has viewed a material operation of Lithium Ionic Corp., which includes but is not limited to mines, distribution centres, warehouses, production plants and/or other facilities related to the day-to-day operations of Lithium Ionic Corp. as applicable, and the related travel expenses have not been paid for by the issuer.

ANALYST CERTIFICATION

Each Desjardins Capital Markets research analyst named on the front page of this research publication, or at the beginning of any subsection hereof, hereby certifies that (i) the recommendations and opinions expressed herein accurately reflect such research analyst's personal views about the company and securities that are the subject of this publication and all other companies and securities mentioned in this publication that are covered by such research analyst, and (ii) no part of the research analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by such research analyst in this publication.

STOCK RATING SYSTEM

Top Pick

Desjardins' best investment ideas-stocks that offer the best risk/reward ratio and that are expected to significantly outperform their respective peer group* over a 12-month period

RISK QUALIFIERS

Average Risk

Risk represented by the stock is in line with its peer group* in terms of volatility, liquidity and earnings predictability

Buy

Stocks that are

outperform their

expected to

Hold Stocks that are expected to perform in line with their respective peer group* respective peer group* over a 12-month period over a 12-month period

Sell

Stocks that are expected to underperform their respective peer group* over a 12-month period (includes recommendations to tender to a takeover offer)

Not Rated

Stock is being covered exclusively on an informational basis

Speculative

High degree of risk represented by the stock, marked by an exceptionally low level of predictability

* Peer group refers to all of the companies that an analyst has under coverage and does not necessarily correspond to what would typically be considered an industry group. Where an analyst's coverage universe is such that 'relative' performance against a 'peer group' is not meaningful, the analyst will benchmark the rating against the most appropriate market index

Risk represented by the stock is greater than

that of its peer group* in terms of volatility,

liquidity and earnings predictability

Above-average Risk

Rating category	Desjardins rating	Desjardins coverage universe (# of stocks)	% distribution	Desjardins Investment Banking (# of stocks)	% distribution
Buy	Buy/Top Pick	118	72	90	70
Hold	Hold	43	26	34	27
Sell	Sell/Tender	4	2	4	3
Total		165	100	128	100

Lithium Ionic Corp. Rating History as of 04-26-2024

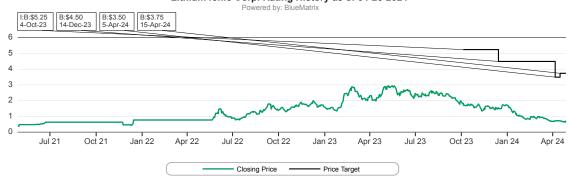


Chart legend: TP: Top Pick, B: Buy, H: Hold, S: Sell, NR: Not Rated, I: Company initiation, T: Transfer of coverage, S: Coverage suspended, DC: Coverage dropped

Full disclosures for research of all companies covered by Desjardins Capital Markets can be viewed at https://desjardins.bluematrix.com/sellside/Disclosures.action.

LEGAL DISCLAIMERS

Chart legend: TP: Top Pick, B: Buy, H: Hold, S: Sell, NR: Not Rated, I: Company initiation, T: Transfer of coverage, S: Coverage suspended, DC: Coverage dropped

Each Desjardins Capital Markets research analyst named on the front page of this research publication, or at the beginning of any subsection hereof, hereby certifies that (i) the recommendations and opinions expressed herein accurately reflect such research analyst's personal views about the company and securities that are the subject of this publication and all other companies and securities mentioned in this publication that are covered by such research analyst, and (ii) no part of the research analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by such research analyst in this publication.

Desjardins Capital MarketsTM is a trademark used by Desjardins Securities Inc., Desjardins Securities International Inc. and Fédération des caisses Desjardins du Québec, wholly owned subsidiaries of Mouvement des caisses Desjardins.

Dissemination of Research

Desjardins Capital Markets makes all reasonable effort to provide research simultaneously to all eligible clients. Research is available to our institutional clients via Bloomberg, FactSet, FirstCall Research Direct, Reuters and Thomson ONE. In addition, sales personnel distribute research to institutional clients via email, fax and regular mail.

Additional Disclosures

Desjardins Capital Markets equity research analysts are compensated from revenues generated by various Desjardins Capital Markets businesses, including Desjardins Capital Markets' Investment Banking Department. Desjardins Capital Markets will, at any given time, have a long or short position or trade as principal in the securities discussed herein, related securities or options, futures, or other derivative instruments based thereon. The reader should not rely solely on this publication in evaluating whether or not to buy or sell the securities of the subject company. Desjardins Capital Markets expects to receive or will seek compensation for investment banking services within the next three months from all issuers covered by Desjardins Capital Markets Research.

Legal Matters

This publication is issued and approved for distribution in Canada by Desjardins Securities Inc., a member of the Canadian Investment Regulatory Organization (CIRO) and a member of the Canadian Investor Protection Fund (CIPF). In the US, this publication is issued via the exemptive relief described in SEC Rule 15a-6, and through reliance on Desjardins Securities International Inc., a member of FINRA and SIPC.

This publication is provided for informational purposes only, and does not constitute an offer or solicitation to buy or sell any securities discussed herein in any jurisdiction where such offer or solicitation would be prohibited. The securities mentioned in this publication may not be suitable for all types of investors; their prices, value and/or income they produce may fluctuate and/or be adversely affected by exchange rates. This publication does not take into account the investment objectives, financial situation or specific needs of any particular client of Desjardins Capital Markets. Before making an investment decision on the basis of any recommendation made in this publication, the recipient should consider whether such recommendation is appropriate, given the recipient's particular investment needs, objectives and financial circumstances. Desjardins Capital Markets suggests that, prior to acting on any of the recommendations herein, you contact one of our client advisors in your jurisdiction to discuss your particular circumstances. Since the levels and bases of taxation can change, any reference in this publication to the impact of taxation should not be construed as offering tax advice; as with any transaction

having potential tax implications, clients should consult with their own tax advisors. Past performance is not a guarantee of future results.

This publication may contain statistical data cited from third party sources believed to be reliable, but Desjardins Capital Markets does not represent that any such third party statistical information is accurate or complete, and it should not be relied upon as such. All estimates, opinions and recommendations expressed herein constitute judgments as of the date of this publication and are subject to change without notice.

US institutional customers: Desjardins Securities Inc. distributes and accepts responsibility for the contents of this report subject to the terms and limitations set out above. Securities offered in the United States are offered through Desjardins Securities International Inc., member of FINRA (<u>www.finra.org</u>) the US Securities and Exchange Commission and the SIPC. This communication and its contents are for institutional use only. Institutions receiving this report should effect transactions in securities in the report through Desjardins Securities International Inc.

Although each company issuing this publication is a wholly owned subsidiary of Mouvement des caisses Desjardins, each is solely responsible for its contractual obligations and commitments, and any securities products offered or recommended to or purchased or sold in any client accounts (i) will not be insured by the Federal Deposit Insurance Corporation ("FDIC"), the Canada Deposit Insurance Corporation or other similar deposit insurance, (ii) will not be deposits or other obligations of Mouvement des caisses Desjardins, (iii) will not be endorsed or guaranteed by Mouvement des caisses Desjardins, and (iv) will be subject to investment risks, including possible loss of the principal invested.

The Desjardins trademark is used under licence.

© 2024 Desjardins Securities Inc. All rights reserved. Unauthorized use, distribution, duplication or disclosure without the prior written permission of Desjardins Securities is prohibited by law and may result in prosecution.

OFFICES

Montreal 1170 Peel Street Suite 300 Montreal, Quebec H3B 0A9 (514) 987-1749

Toronto

25 York Street Suite 1000 Toronto, Ontario M5J 2V5 (416) 607-3001

Calgary

110 9th Avenue SW Suite 410 Calgary, Alberta T2P 0T1 (877) 532-6601

Vancouver 401 West Georgia Street Suite 1050 Vancouver, British Columbia V6B 5A1 (604) 656-2665