



**FRONTIER LITHIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
**FOR THE SIX MONTHS ENDED SEPTEMBER 30, 2023**

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## INTRODUCTION

This management's discussion and analysis ("MD&A") has been prepared as of November 27, 2023, and should be read in conjunction with Frontier Lithium Inc.'s (the "Company") financial statements for the six months ended September 30, 2023 and 2022. Those financial statements are prepared in accordance with International Financial Reporting Standards ("IFRS") as issued by the International Accounting Standards Board. The Company's presentation currency is Canadian dollars. Reference herein of \$ is to Canadian dollars and US\$ is to United States dollars.

## CAUTIONARY STATEMENT ON FORWARD-LOOKING INFORMATION

All statements, other than statements of historical fact, contained in this MD&A including, but not limited to, any information as to the future plans and outlook for the Company, constitute "forward-looking information" or "forward-looking statements" within the meaning of Canadian securities laws. Forward-looking statements are based on expectations, estimates and projections as of the time of this MD&A. The words "anticipates", "plans", "expects", "indicate", "intend", "scheduled", "estimates", "forecasts", "guidance", "initiative", "outlook", "potential", "projected", "pursue", "strategy", "study", "targets", or "believes", or variations of or similar such words and phrases or statements that certain actions, events or results "may", "could", "would", or "should", "might", or "way forward", "will be taken", "will occur" or "will be achieved" and similar expressions identify forward-looking statements. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by the Company, acting in good faith, as of the time of such statements, are inherently subject to significant business, economic and competitive uncertainties and contingencies. These estimates and assumptions may prove to be incorrect. Many of these uncertainties and contingencies can directly or indirectly affect, and could cause, actual results to differ materially from those expressed or implied by any forward-looking statements. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Forward-looking statements are provided for the purpose of providing information about management's expectations and plans relating to the future. Readers are cautioned not to place undue reliance on these forward-looking statements as a number of important risk factors, including but not limited to the risk factors contained under the heading "Risk Factors" in this MD&A and in the Company's Annual Information Form, and future events could cause the actual outcomes to differ materially from the beliefs, plans, objectives, expectations, anticipations, estimates, assumptions and intentions expressed in such forward-looking statements.

Readers are cautioned that the foregoing lists of risk factors included in this MD&A are not exhaustive. The forward-looking information contained in this MD&A is expressly qualified by these cautionary statements. All forward-looking information in this MD&A speaks as of the date of this MD&A. The Company does not undertake any obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by law. All forward-looking information contained in this MD&A is expressly qualified in its entirety by this cautionary statement.

## CAUTIONARY NOTE TO U.S. INVESTORS

This MD&A has been prepared in accordance with the requirements of the securities laws in effect in Canada, which differ materially from the requirements of United States securities laws applicable to U.S. companies. For U.S reporting purposes, the United States Securities and Exchange Commission (the "SEC") has adopted amendments to its disclosure rules in Regulation S-K (Subpart 1300) (the "SEC Modernization Rules") to modernize the mineral property disclosure requirements for issuers, referred to as "mining registrants," whose securities are registered with the SEC. These amendments became effective in February 2019 with compliance required for the first fiscal year beginning on or after January 1, 2021. While not applicable to the Company, the SEC Modernization Rules replace the historical property disclosure requirements for mining registrants that were included in SEC Industry Guide 7. Information concerning our mineral properties has been prepared in accordance with the requirements of Canadian securities laws, which differ in material respects from the requirements of the SEC set forth in Industry Guide 7. In accordance with NI 43-101, the terms "mineral reserve", "proven mineral reserve", "probable mineral reserve", "mineral resource", "measured mineral resource", "indicated mineral resource" and "inferred mineral resource" are defined in accordance with the standards of the Canadian Institute of Mining, Metallurgy and Petroleum ("CIM"). While the terms "mineral resource", "measured mineral resource",

“indicated mineral resource” and “inferred mineral resource” are recognized and required by NI 43-101, and now recognized under the SEC Modernization Rules, SEC Industry Guide 7 does not recognize them. You are cautioned that, except for that portion of mineral resources classified as mineral reserves, mineral resources do not have demonstrated economic viability. Inferred mineral resources have a high degree of uncertainty as to their existence and as to whether they can be economically or legally mined. It cannot be assumed that all or any part of an inferred mineral resource will ever be upgraded to a higher category. Therefore, you are cautioned not to assume that all or any part of an inferred mineral resource exists, that it can be economically or legally mined, or that it will ever be upgraded to a higher category. Likewise, you are cautioned not to assume that all or any part of measured mineral resources or indicated mineral resources will ever be upgraded into mineral reserves.

## I. OVERVIEW OF FRONTIER LITHIUM INC.

The Company is a Canadian junior mining company actively focused on the acquisition, exploration and development of mineral resource properties in North America. The Company is domiciled in Canada and incorporated under the *Alberta Business Corporations Act*. The Company’s head office address is 2736 Belisle Drive, Val Caron, Ontario, P3N 1B3 and its registered office address is 1250, 639-5th Avenue S.W., Calgary, Alberta, T2P 0M9. The Company’s shares are publicly traded on the TSX Venture Exchange (“TSX-V”) under the symbol “FL”, the U.S. based OTCQX Venture Market under the symbol “LITOF” and the Frankfurt Stock Exchange under the symbol “HL2”.

## PROJECT OVERVIEW

The Company’s flagship asset is the 100% owned PAK Lithium Property (the “PAK Lithium Project”) located 175 km north of Red Lake, Ontario in the Red Lake Mining District and covers an area of 27,062 hectares comprising of three Mining Leases and 1,261 Mining Claims of which 1,258 are contiguous with the Mining Leases. The Company maintains the largest land position on the Electric Avenue, an emerging premium lithium-mineral district which is hosted in the Canadian Shield of northwestern Ontario. The Electric Avenue is a major structural corridor in northwestern Ontario that divides two geological domains for hundreds of kilometers and hosts multiple rare metal occurrences containing high levels of lithium in the mineral called spodumene. Chief among these known occurrences are the PAK and Spark pegmatite deposits, located at the southeastern end of the Electric Avenue on the Company’s PAK Lithium Project ([Figure 1](#)).

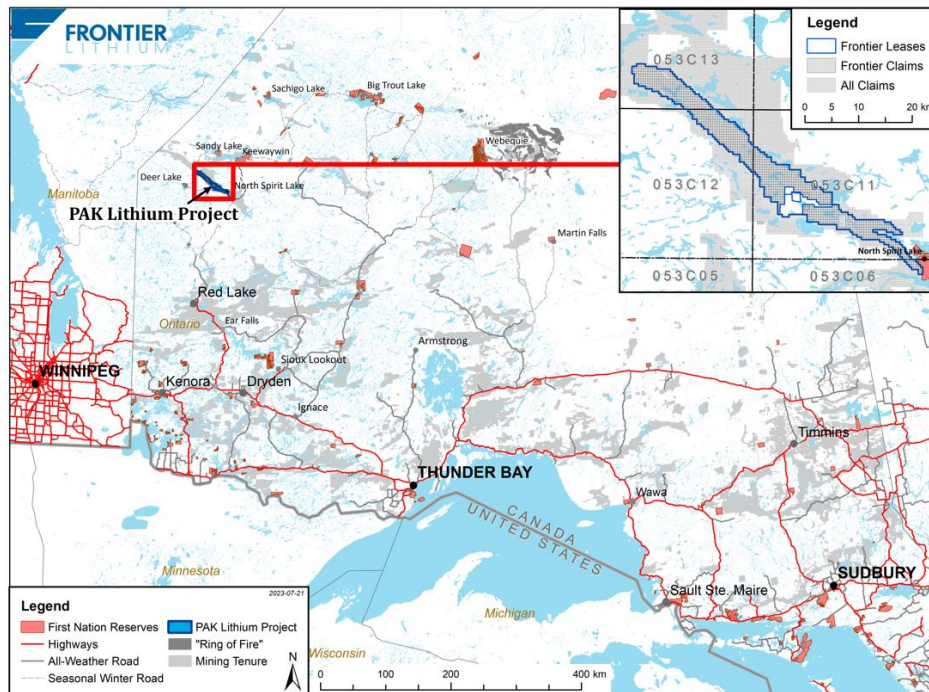


Figure 1: Project Location

The Company has been actively involved since February 2013 in the exploration and development of the PAK Lithium Project, which hosts at surface one of the highest quality spodumene lithium hard rock deposit in North America (Figure 2) at the PAK deposit. The PAK and Spark deposits combined are among the highest-grade resources with the lowest iron impurity levels in North America (e.g., iron levels less than 0.15% Fe<sub>2</sub>O<sub>3</sub> in the lattice of the spodumene crystals).



*Figure 2: Surficial Exposure of PAK deposit*

The Company published a Pre-Feasibility Study (“PFS”) on July 14, 2023. The project models a fully-integrated lithium operation utilizing spodumene concentrate generated from the PAK Lithium Project to achieve downstream conversion for production of battery-quality lithium chemicals and concentrate for the glass and glass-ceramics market. The Company has completed in-fill drilling on the Spark deposit and work necessary to support the PFS assessing a fully-integrated lithium operation. The Company’s proposed lithium operation includes the production of technical grade lithium concentrates required by premium glass-makers and chemical grade lithium concentrates required as feedstock for the planned production of both lithium carbonate and lithium hydroxide at a downstream lithium conversion plant.

Refer to the NI 43-101 technical report by BBA Engineering Ltd. issued on July 14, 2023, and filed under the Company’s profile on SEDAR+ ([www.sedarplus.ca](http://www.sedarplus.ca)) (the “Technical Report”). Highlights of the PFS are outlined in the “Results of Pre-Feasibility Study” section of this MD&A.

## **BUSINESS OBJECTIVES**

The Company’s objective is to become a strategic domestic supplier of spodumene concentrates for industrial users as well as battery-grade lithium hydroxide and other chemicals to the growing electric vehicle and energy storage markets in North America. The Company maintains the largest land position and resource in a new premium lithium mineral district located in Ontario’s Great Lakes region.

## **LEADERSHIP TEAM**

The Company’s leadership team’s successful mining ventures include a multi-decade track record in funding, partnering, constructing and operating mining and refining companies in North America.



## II. HIGHLIGHTS FOR THE CURRENT QUARTER AND RECENT DEVELOPMENTS

### EXPLORATION

#### PHASE XII DRILL PROGRAM

Phase XII drill program on the Spark Pegmatite was initiated in May 2022 and completed in October 2022. The Company has completed 14,641.1m of drilling in 45 holes and has reported analysis from all drill holes as of February 8, 2023. The detailed results are available on SEDAR+. The initial objective for the Phase XII drill program was conversion of inferred resource within the Spark deposit to indicated category in preparation for a PFS on the PAK Lithium Project. The latter half of the program included geotechnical drilling for ground control and pit design purposes as well as step out drilling to define the eastern and western extents of the ore body.

The program was successful in that the in-fill drill hole intersections were as anticipated in both grades and width and the host rock appears relatively competent. Drilling also indicates that the Spark pegmatite remains open at depth and to the west. To the east, the pegmatite is beginning to pinch out but still remains open.

#### PHASE XIII DRILL PROGRAM

Phase XIII drill program commenced in February 2023 with four additional holes drilled at Spark collared in muskeg areas testing the southwestern extension of the deposit before delineating the Bolt pegmatite. Since February the Company has completed 11,364m in 46 drill holes. A total of 2,033m were completed at the PAK deposit on geomechanical and hydrogeological test work in preparation of the Definitive Feasibility Study ("DFS"). During the winter 2023, the Bolt pegmatite was delineated at widely spaced single hole fences. A total of 3,805.6m in 15 holes were completed for which results from the first two holes were released on May 9, 2023 and four more on August 10, 2023 and the remainder on September 7, 2023 indicating the Bolt pegmatite extends over 600m along strike, with horizontal widths of up to 75m, and remains completely open at depth. The pegmatite appears to have a wide central zone that extends at depth and begins to break up along strike into pods of variable thickness separated by the mafic volcanic and metasedimentary host rock. Three of the holes were fanned out between Bolt and Spark and suggest that continuity is undetermined and will require additional drilling. On September 25, 2023 results from 4 holes drilled on the western portion of Spark were released indicating the southwest and northwest lobes remain open with high grade intersections.

The remaining meterage was completed testing the area between the PAK deposit and the Bolt pegmatite as well as condemnation drilling in areas of proposed infrastructure.

#### REGIONAL MAPPING PROGRAM

Between May and August 2022, the Company conducted both detailed and regional mapping and prospecting in areas both proximal to known spodumene-bearing pegmatites and in under-explored areas within its approximately 27,000 hectare land tenure.

The mapping was completed using Panasonic Toughbook Tablets, running the GSC Field application. The field data was then compiled into ArcGIS. Assay samples were collected from potential lithium-bearing pegmatites.

The entire project area was covered at a regional scale. The winter road and the powerline right of way which traverse through much of the project area were extremely useful as a landing and pickup site. Initial results were released on January 31, 2023. A new spodumene-bearing pegmatite zone, 10m by 15m, was discovered approximately 1km west-northwest of the Spark pegmatite. Grab samples averaged 3.1% Li<sub>2</sub>O. The exposure was later channeled during 2023 with a combined 18m of pegmatite averaging 2.16% Li<sub>2</sub>O including 6m averaging 3.27% Li<sub>2</sub>O

Prospecting and mapping in the Pennock pegmatite area discovered additional pegmatite dykes up to 30m in length and 3m to 5 m in width. Grab samples averaged 1.7% Li<sub>2</sub>O. Several other pegmatite veins and narrow dykes were located, however, spodumene was not confirmed and grab samples indicated background values.

Since May 2023, follow-up to the 2022 reconnaissance program was completed including more detailed prospecting/mapping and channel sampling.

## **OTHERS**

In May 2023, a second UAV aerial magnetic survey was flown over a 6km<sup>2</sup> area encompassing the Pennock pegmatite dyke area and re-flew portions of the Spark-PAK area at a tighter line spacing and lower terrain clearance in an attempt to delineate more detail. The results are encouraging and are being used to assist with detailed mapping over the pegmatites.

The Company continues to work on environmental baseline studies, a step that will enable it to advance project permitting.

In January 2023, the Company entered into an arm's length purchase agreement to purchase a camp, together with inventories, for total proceeds of \$2.0 million to be settled in several payments. The final payment of \$0.25 million was originally due in October 2023 but subsequently deferred to November 2023 to allow for a path to be developed on the Land Use Permit transfer.

During September 2022, a UAV (drone) aerial magnetic survey was flown over a 15km<sup>2</sup> area encompassing the region PAK, Bolt, Spark and the new discovery west-northwest of Spark. Highly magnetic horizons are known to occur in the metasediments (banded iron formation) at PAK as well as the flanking metavolcanics. The data collected from the survey will be used in conjunction with LiDAR data to assist with the identification of geology and structure and to assess its usefulness for regional exploration.

## **RESULTS OF PRE-FEASIBILITY STUDY**

In May 2023, the Company released the strong results of PFS for a proposed mine-to lithium chemical/hydromet plant facility ("Integrated Project") in the great Lakes Region of North America. The PFS was published on July 14, 2023. The PFS assumes a hydromet plant that would convert spodumene concentrate feedstock sourced from a vertically integrated spodumene open-pit mining and milling facility at the Company's PAK Lithium Project, located north of Red Lake, Ontario. The results of the PFS include a pre-tax net present value ("NPV") at an 8% discount rate of US\$2.59 billion (\$3.37 billion) and a pre-tax internal rate of return of 28.6%, and a post-tax NPV at an 8% discount rate of US\$1.74 billion (\$2.26 billion) and a post-tax IRR of 24.1%.

The PFS confirms that the 100% owned Project could be the continent's largest and lowest-cost producer of lithium hydroxide able to supply the rapidly growing electric vehicle industry in North America.

The PFS is based on an updated mineral resource estimate completed by Todd McCracken, P.Geo, outlined in the National Instrument 43-101 technical report update.

Commodity Price Assumptions from the PFS are, base-case premium technical grade lithium concentrate of 7.2% Li<sub>2</sub>O (TG\_SC7.2) price of US\$3,000 per tonne, chemical grade lithium concentrate of 6.0% Li<sub>2</sub>O (CG\_SC6.0) price of US\$1,350 per tonne; lithium hydroxide price of US\$22,000 per tonne; lithium carbonate US\$20,500 per tonne and an exchange rate of \$1.30 USD/CAD.

The Definitive Feasibility Study will advance the PFS details to a AACE class 3 study at 10-15% cost accuracy. The Request-For-Quote for the DFS scope was published July 31, 2023 and the Company is currently evaluating received bids.

## **LITHIUM CHEMICAL TEST WORK DEVELOPMENT**

For the purpose of the PFS, the Company is assessing the conventional sulphate process for the lithium chemicals conversion plant which is low-risk and used extensively in East Asia for manufacturing lithium carbonate and hydroxide from hard-rock spodumene sources. Following conversion of the  $\alpha$ -spodumene concentrate to  $\beta$ -spodumene through calcining and acid roasting lithium sulfate solution is obtained by leaching whereby it is further purified through precipitation and an ion exchange process to remove the remaining trace impurities from the solution. The concentrated pure lithium sulfate solution is then used as a starting solution for the production of both lithium carbonate and lithium hydroxide monohydrate.

In the lithium carbonate circuit, the lithium sulfate solution is mixed with a sodium carbonate solution to form lithium carbonate and sodium sulfate. The lithium carbonate is precipitated under controlled conditions (i.e. temperature and time) to get the primary lithium carbonate. The sodium sulfate is crystallized as a by-product in a crystallizer. The primary crude lithium carbonate is then further purified to meet the exacting battery grade standards to get the final battery grade product.

In the lithium hydroxide circuit, sodium hydroxide solution is added into the lithium sulfate solution to form lithium hydroxide and sodium sulfate. Sodium sulfate is then removed from the solution. The remaining lithium hydroxide solution is evaporated to produce lithium hydroxide crystals. The crystallization process is designed to produce battery grade lithium hydroxide products.

### III. OUTLOOK

The Company's objective is to become a strategic supplier of technical grade spodumene concentrates for premium glass and glass-ceramics producers and battery-grade lithium hydroxide and other lithium chemicals to the growing electric vehicle and energy storage markets in North America.

The PAK Lithium Project is one of the highest quality lithium spodumene mineral resources in North America due to its high lithium content and low impurities. Low iron spodumene is less common than higher iron spodumene increasing its market value when processed into ceramic grade concentrates. The low iron spodumene is also particularly well suited to producing the high-quality lithium concentrates used to produce battery quality lithium chemicals. Spodumene has a cost advantage over the alternative brine sources that require extra chemical processing conversion steps when used to produce lithium hydroxide.

The Company is primarily in an exploration phase with a PFS showing a positive NPV for fully-integrated lithium operation. The positive results of the PFS are based on the traditional, low risk spodumene processing flowsheet described in the lithium chemical development section.

The PFS shows a phased development approach. Phase 1 of the project shows mine and mill to initially produce premium spodumene concentrates. The Phase 2 plan would increase mine and mill production to feed a downstream refinery to produce lithium chemicals for the energy storage and electric vehicle battery market.

Company is assessing that a pilot lithium chemical plant will be constructed in the Province of Ontario. This plant, if constructed will be used to perform research and development for the future commercial lithium chemical plant, train operators, and demonstrate the process to produce battery grade lithium chemicals suitable for downstream cathode and battery makers.

To advance its plans, the Company will seek to negotiate agreements with the holders of Indigenous interests proximal to the PAK Lithium Project. The agreements will likely cover a variety of subjects, including the facilitation of development work on its property interests. The intent of these agreements is to go beyond the agreements already in place for the exploration phase of mining. The agreements will have costs associated with them, costs that are not fully known at this time.

### IV. CORPORATE LEADERSHIP TEAM CHANGES

In August 2023, the Company announced the appointment of Mr. Erick Underwood as its new Chief Financial Officer. Mr. Underwood brings with him over 25 years of extensive experience in the finance and project development sectors within the mining industry. Mr. Underwood is a highly accomplished executive with a strong track record of success in major projects and assets, having held key positions at esteemed companies such as Chesapeake Gold Corp, Cia. Minera Zafranal (Teck Resources Ltd.), AQM Copper Inc, and BHP Billiton.

In June 2023, the Company appointed Mr. Gregory Da Re as Vice President of Corporate Development. Mr. Da Re brings a deep understanding of electric vehicle battery supply chains and brings two decades of experience as an accomplished investment executive. During his time at Invest in Canada, the Government of Canada's global investment attraction agency, Mr. Da Re managed a pipeline of over \$20 billion as the federal client-focused lead for Ontario's efforts to attract and build an EV supply chain within the province, including investments to create Canada's first EV battery gigafactory in Windsor (JV between LG Energy



Solution and Stellantis), Umicore's first North American cathode active materials production facility near Kingston, and VW/PowerCo's first gigafactory in North America in St. Thomas.

## V. RESULTS OF OPERATIONS

The following table represents select financial and operating results of our company for the three and six months ended September 30, 2023, and 2022.

### Financial Results

(in thousands of Canadian dollars, except for shares and per share figures)

	Three months ended September 30,		Six months ended September 30,	
	2023	2022	2023	2022
<b>EXPENSES</b>				
Exploration and evaluation expenditures	\$ 4,331	\$ 4,332	\$ 8,837	\$ 6,953
General and administrative expenses	2,749	692	4,856	3,090
Interest income	(277)	(52)	(491)	(53)
Accretion expense on lease liabilities	5	9	11	18
Fair value loss (gain) on marketable securities, net	-	6	-	9
Foreign exchange loss (gain)	-	(5)	-	(4)
<b>Net loss and comprehensive loss</b>	<b>(6,808)</b>	<b>(4,982)</b>	<b>(13,213)</b>	<b>(10,013)</b>
<b>Net loss per share</b>				
Basic and diluted	\$ (0.03)	\$ (0.02)	\$ (0.06)	\$ (0.05)
<b>Weighted average number of shares outstanding</b>				
<b>Basic and diluted</b>	<b>227,627,041</b>	<b>212,816,365</b>	<b>227,619,969</b>	<b>211,920,957</b>
<b>Cash</b>	<b>18,629</b>	<b>13,320</b>	<b>18,629</b>	<b>13,320</b>
<b>Total assets</b>	<b>27,266</b>	<b>20,274</b>	<b>27,266</b>	<b>20,274</b>
<b>Total non-current financial liabilities</b>	<b>29</b>	<b>144</b>	<b>29</b>	<b>144</b>
<b>Cash dividend declared</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### Six Months Ended September 30, 2023 and 2022

The Company reported a net loss and comprehensive loss of \$ 13.2 million (\$0.06 per share) for the six months ended September 30, 2023, compared to a loss and comprehensive loss of \$ 10.0 million (\$0.05 per share) for the six months ended September 30, 2022. The \$3.2 million increase resulted from a \$1.9 million rise in exploration and evaluation expenditures, mainly due to the Company's ramp-up of exploration activities and metallurgical test work for the PFS, and a \$1.1 million increase in non-cash stock-based compensation, driven by the timing of new grants in the two periods.. This impact was partially offset by an increase of interest income due to changes in short term investments and higher interest rates in the September 30, 2023 period.

## Exploration and evaluation expenditures on the PAK Lithium Property

*(in thousands of Canadian dollars)*

	Three months ended September 30,		Six months ended September 30,	
	2023	2022	2023	2022
Personnel cost	\$ 512	\$ 513	\$ 1,119	\$ 738
Consulting fees	2,750	744	3,890	1,178
Drilling	124	1,428	1,460	2,139
Assay and sampling	58	250	230	302
Research and development, net of government assistance	434	214	767	414
Camp and equipment expenses	44	252	192	772
Travel and transportation cost	409	931	1,189	1,410
<b>Total exploration and evaluation expenditures</b>	<b>\$ 4,331</b>	<b>\$ 4,332</b>	<b>\$ 8,837</b>	<b>\$ 6,953</b>

The Company reported total exploration and evaluation expenditures of \$8.8 million for the six months ended September 30, 2023. There was an overall increase of \$1.9 million when compared to comparative period last fiscal year due to the Company's continued ramp up of its exploration activities and metallurgical test work for the PFS.

## General and Administrative Expenses

*(in thousands of Canadian dollars)*

	Three months ended September 30,		Six months ended September 30,	
	2023	2022	2023	2022
Salaries, benefits and consulting	\$ 600	\$ 375	\$ 1,082	\$ 692
Share-based payments	1,448	-	2,608	1,545
Professional fees	241	-	340	136
Office, administration and other	222	212	436	443
Shareholder related fees	176	16	268	46
Depreciation	62	89	122	228
<b>Total general and administrative expenses</b>	<b>\$ 2,749</b>	<b>\$ 692</b>	<b>\$ 4,856</b>	<b>\$ 3,090</b>

The Company reported total general and administrative expenses of \$4.9 million for the six months ended September 30, 2023, an increase of \$1.8 million when compared to the comparative period last fiscal year. The increase was mainly driven by an increase in share-based payments due to timing of new grants during the two periods. In addition, salaries, benefits and consulting expenses increased due changes in the management team and an overall increase in corporate activities in the current fiscal year.

## VI. SELECTED QUARTERLY INFORMATION

A summary of selected financial information for the eight recently completed quarters is presented below.  
(in thousands of Canadian dollars, except for shares and per share figures)

For the quarter ended	September 30, 2023	June 30, 2023	March 31, 2023	December 31, 2022
Revenue	\$Nil	\$Nil	\$Nil	\$Nil
Income from operations	\$Nil	\$Nil	\$Nil	\$Nil
Exploration and evaluation expenditures	\$(4,331)	\$(4,506)	\$(5,061)	\$(2,179)
General and administrative expenses	\$(2,749)	\$(2,108)	\$(2,660)	\$(4,874)
Interest income	\$277	\$214	\$313	\$256
Net loss and comprehensive loss	\$(6,808)	\$(6,406)	\$(7,411)	\$(6,809)
Weighted average number of shares outstanding	227,627,041	227,612,819	225,568,296	219,429,659
Net loss per share, basic and diluted	\$(0.03)	\$(0.03)	\$(0.03)	\$(0.03)
Total assets	\$27,266	\$31,574	\$35,197	\$37,352
Total liabilities	\$3,643	\$2,592	\$1,957	\$1,401

For the quarter ended	September 30, 2022	June 30, 2022	March 31, 2022	December 31, 2021
Revenue	\$Nil	\$Nil	\$Nil	\$Nil
Income from operations	\$Nil	\$Nil	\$Nil	\$Nil
Exploration and evaluation expenditures	\$(4,332)	\$(2,621)	\$(1,896)	\$(1,076)
General and administrative expenses	\$(692)	\$(2,396)	\$(2,188)	\$(1,140)
Interest income	\$53	-	-	-
Loss before tax	\$(4,982)	\$(5,030)	\$(4,065)	\$(2,165)
Deferred income tax recovery	-	-	\$179	\$27
Net loss and comprehensive loss	\$(4,982)	\$(5,030)	\$(3,885)	\$(2,139)
Weighted average number of shares outstanding	212,816,365	210,840,426	204,807,969	198,956,929
Net loss per share, basic and diluted	\$(0.02)	\$(0.02)	\$(0.02)	\$(0.01)
Total assets	\$20,274	\$23,614	\$24,628	\$24,113
Total liabilities	\$2,921	\$1,770	\$1,310	\$788

## Current three months ended September 30, 2023 vs. all historic quarters

For three months ended September 30, 2023, the Company incurred \$6.8 million net loss, which was consistent with the previous 3 quarter ends with minor differences due to the timing of expenditures incurred. Ever since the closing of \$23 million bought deal prospectus offering in November 2022, the Company's net losses had increased due to increases in corporate and exploration activities. Total assets increased in December 31, 2022 due to the November 2022 equity financing. Asset has since slowly decreased due to expenditures in Exploration and Evaluation being expensed. Liabilities have fluctuated over the last 8 quarters due to timing differences.

## VII. LIQUIDITY AND CAPITAL RESOURCES

### Condense Interim Statements of Cash Flow

(in thousands of Canadian dollars)

	Three months ended September 30,		Six months ended September 30,	
	2023	2022	2023	2022
Total cash used in operating activities	\$ (3,692)	\$ (3,808)	\$ (8,328)	\$ (6,671)
Total cash used in investing activities	-	-	(1,365)	(88)
Total cash used in financing activities	(19)	440	951	2,396
Net change in cash	(3,711)	(3,423)	(8,742)	(4,363)
<b>Cash and cash equivalents, end of period</b>	<b>\$ 18,629</b>	<b>\$ 13,320</b>	<b>\$ 18,629</b>	<b>\$ 13,320</b>

As at September 30, 2023, the Company's net working capital was \$15.6 million compared to net working capital of \$27.2 million as at March 31, 2023. The net working capital decreased due to corporate and exploration expenditures.

Cash outflow in operating activities were higher in the current period end as there was an increase in corporate and exploration activities.

Cash outflow from investing activities were higher due to the purchase of the camp in the current fiscal year.

Cashflow from financing activities were mainly driven by proceeds received from warrants and stock option exercised. This was lower than prior year as there were more warrants exercised in the prior year.

When managing capital, which is a broader concept than the "equity" in the statement of financial position, the objectives of the Company are:

- To safeguard the Company's ability to continue as a going concern so that it can continue to provide returns for shareholders and benefits for other stakeholders; and
- To maintain a strong capital base to support the exploration for and development of its mineral deposits.

There have been no changes in the Company's capital management when compared to the prior year. Management intends to optimize its cash management while continuing to fulfill its operating cash needs.

Liquidity risk is the risk that the Company will not be able to meet its payment obligations when they fall due under normal and stress circumstances. The Company monitors its liquidity risk by considering the maturity of its financial liabilities. The Company's ability to access debt and equity markets when required may be impacted by factors beyond its control, such as economic and political conditions that may affect the capital markets generally.

Although the Company has been successful in raising funds to date, there can be no assurance that adequate funding will be available in the future. Should management be unable to raise sufficient capital to

fund operations and growth there would be a material adverse effect on the Company's business, financial condition, results of operations and its ability to continue as a going concern.

In November 2023, the Company announced it will receive \$2 million in government grant funding to test the processing and conversion of by-products as it advances towards commercial lithium salts productions. The Company will continue to look for opportunities to obtain government funding as and when it becomes available.

## VIII. CONTRACTUAL OBLIGATIONS, COMMITMENTS AND CONTINGENCIES

Our future undiscounted obligations as at September 30, 2023 are as follows:

### Maturity of Financial Liabilities (in thousands of Canadian dollars)

At September 30, 2023	Due within 1 year	Due between 1 and 5 years	Total
Accounts payable and accrued liabilities	3,549	-	3,549
Lease obligations	71	37	108
<b>Total</b>	<b>3,620</b>	<b>37</b>	<b>3,657</b>

## IX. OFF-BALANCE SHEET ARRANGEMENTS

The Company does not have any off-balance sheet arrangements as at September 30, 2023 and the date of the report.

## X. PROPOSED TRANSACTIONS

The Company does not have any proposed transactions as at September 30, 2023 and the date of the report, other than as disclosed elsewhere in this document.

## XI. FINANCIAL INSTRUMENTS

The Company does not currently utilize complex financial instruments in hedging lithium price, foreign exchange or interest rate exposure. The Company will not hold or issue derivative instruments for speculation or trading purposes.

Where the fair value of financial assets and financial liabilities recorded in the financial statements cannot be derived from active markets, their fair value is determined using valuation techniques including the discounted cash flow model. The inputs to these models are taken from observable markets where possible, but where this is not feasible, a degree of judgment is required in establishing fair values. The judgments include considerations of inputs such as liquidity risk, credit risk and volatility. Changes in assumptions about these factors could affect the reported fair value of financial instruments.

When measuring the fair value of an asset or liability, the Company uses observable market data to the greatest extent possible. Fair values are categorized into different levels in a fair value hierarchy based on the inputs used in the valuation techniques as follows:

Level 1: quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2: inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly (i.e., as prices) or indirectly (i.e., derived from prices).

Level 3: inputs for the asset or liability that are not based on observable market data (unobservable inputs).



## XII. RELATED PARTY TRANSACTIONS

Key management personnel include members of the Board of Directors and certain senior officers. Remuneration of our key management personnel was as follows:

<i>(in thousands of Canadian dollars)</i>	Three months ended		Six months ended	
	September 30,		September 30,	
	2023	2022	2023	2022
Compensation – salaries, benefits and consulting	\$ 373	\$ 308	\$ 865	\$ 619
Exploration and evaluation and other expenditures <sup>1</sup>	4	-	547	-
Share-based compensation	1,340	-	2,394	1,545
<b>Total</b>	<b>\$ 1,713</b>	<b>\$ 308</b>	<b>\$ 3,259</b>	<b>\$ 2,164</b>

1. Exploration and evaluation expenditures are related to drilling cost paid to a corporation controlled by a director of the Company.

Included in accounts payable is \$3,000 (March 31, 2023 - \$65,000) owing to corporations controlled by a director of the Company.

The transactions above are in the normal course of operation and are measured at the exchange amount which is the amount of consideration established and agreed to by the related parties.

## XIII. USE OF PROCEEDS

On November 10, 2022, the Company closed a bought deal prospectus offering (“Offering”) and raised total net proceeds of approximately \$21.3 million (“Total Proceeds”) from this Offering. Excluding the amount to be used for working capital purposes, the Company plans to spend approximately \$14.6 million in Phase 1 of the DFS, pilot plant planning and engineering, and environmental baseline. The use of proceeds has not deviated from what has been previously disclosed and the Company’s current cash position continues to be deployed in line with previously disclosed activities on its PAK Project.

Although the Company intends to allocate the net proceeds from the Offering as set out above, the amounts actually expended for the purposes described above could vary significantly depending on, among other things, general market conditions, spodumene and lithium prices, the results of further exploration, the results of any future estimation of mineral reserves, the Company’s future operating and capital needs from time to time, and other factors referred to under “Risk Factors” on page 13 herein and in the “Risk Factors” sections found in the Company’s continuous disclosure documents that have been filed and can be found on the Company’s SEDAR+ profile at [www.sedarplus.com](http://www.sedarplus.com). There may be circumstances where, for sound business reasons, a reallocation of funds may be necessary.

Notwithstanding the proposed uses of available funds discussed above, there may be circumstances where, for sound business reasons, a reallocation of funds may be necessary or prudent. It is difficult, at this time, to definitively project or allocate the funds necessary to effect the planned activities of the Company.

## XIV. SIGNIFICANT ACCOUNTING POLICIES

Please refer to audited consolidated financial statements for the year ended March 31, 2023, and unaudited condensed interim consolidated financial statements for the period ended September 30, 2023, which were filed on SEDAR+.

## XV. SIGNIFICANT ACCOUNTING JUDGEMENTS, ESTIMATES AND ASSUMPTIONS

Please refer to audited consolidated financial statements for the year ended March 31, 2023, and unaudited condensed interim consolidated financial statements for the period ended September 30, 2023, which were filed on SEDAR+.

## XVI. RISK FACTORS

The Company's business activities are subject to a variety and wide range of inherent risks and uncertainties. Any of these risks could have an adverse effect on the Company, its business and prospects, and could cause actual outcomes and results to differ materially from those described in forward-looking statements relating to the Company. For further details on the risk factors affecting the Company, please see the Company's Annual Information Form for year ended March 31, 2023, filed on SEDAR+ on July 28, 2023.

## XVII. QUALIFIED PERSON

Unless stated otherwise herein, all scientific and technical data contained in this MD&A has been reviewed, approved and verified by Garth Drever, P.GEO. who is the Company's in-house "Qualified Person" within NI 43-101 and is a member in good standing of the Professional Geoscientists Ontario. Mr. Drever is also the Company's Vice President, Exploration. Therefore, he is not considered to be independent under NI 43-101.

## XVIII. USE OF NON-GAAP FINANCIAL MEASURES AND RATIOS

The Company's financial results are prepared in accordance with IFRS. This document refers to a non-GAAP financial measure "working capital" which is not a measure recognized under IFRS in Canada and that does not have a standardized meaning prescribed by IFRS or by Generally Accepted Accounting Principles ("GAAP") in the United States.

This non-GAAP financial measure does not have standardized meanings under IFRS, may differ from those used by other issuers, and may not be comparable to similar financial measure reported by other issuers. This financial measure has been derived from the Company's financial statements and applied on a consistent basis as appropriate. The Company discloses this financial measure because it believes they assist readers in understanding the result of the Company's operations and financial position and provide further information about the Company's financial results to investors.

This measure should not be considered in isolation or used in substitute for other measures of performance prepared in accordance with IFRS.

**Working capital:** the difference between current assets and current liabilities.

## XIX. INTERNAL CONTROLS OVER FINANCIAL REPORTING

The Company's Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO") have established processes to provide them with sufficient knowledge to support representations that they have exercised reasonable diligence that: (i) the financial statements do not contain any untrue statement of material fact or omit to state a material fact required to be stated or that is necessary to make a statement not misleading in light of the circumstances under which it is made, as of the date of and for the periods presented by the financial statements; and (ii) the financial statements fairly present in all material respects the financial condition, results of operations and cash flows of the Company, as of the date of and for the periods presented. In contrast to the certificate required for non-venture issuers under National Instrument 52-109 Certification of Disclosure in Issuers' Annual and Interim Filings ("NI 52-109"), the corresponding certificate for venture issuers does not include representations relating to the establishment and maintenance of disclosure controls and procedures ("DC&P") and internal control over financial reporting ("ICFR"), as defined in NI 52-109. In particular, the certifying officers of the Company do not make any representations relating to the establishment and maintenance of:

- i. controls and other procedures designed to provide reasonable assurance that information required to be disclosed by the issuer in its annual filings, interim filings or other reports filed or submitted under securities legislation is recorded, processed, summarized and reported within the time periods specified in securities legislation; and

- ii. a process to provide reasonable assurance regarding the reliability of financial reporting and the preparation of Financial Statements for external purposes in accordance with IFRS.

The Company's CEO and acting CFO are responsible for ensuring that processes are in place to provide them with sufficient knowledge to support the representations they are making in the corresponding certificate. Investors should be aware that inherent limitations on the ability of certifying officers of a venture issuer to design and implement on a cost-effective basis DC&P and ICFR as defined in NI 52-109 may result in additional risks to the quality, reliability, transparency and timeliness of interim and annual filings and other reports provided under securities legislation.

## XX. OUTSTANDING SHARE DATA

As at the date of report, the Company has the following outstanding common shares, stock options and warrants outstanding:

	<b>Common shares</b>	<b>Stock options</b>	<b>Warrants</b>
<b>As at September 30, 2023</b>	<b>227,627,041</b>	<b>19,750,718</b>	<b>5,426,090</b>

The following table reflects the stock options outstanding and exercisable as at date of the report:

#### Awards Outstanding

Range of exercise price	Number of options	Weighted average exercise price	Weighted average remaining contractual life (years)
\$0.25-\$1.00	7,520,717	0.59	2.35
\$1.01-\$2.00	6,430,001	1.20	3.09
\$2.01-\$2.73	5,800,000	2.26	3.81
<b>Total</b>	<b>19,750,718</b>	<b>\$ 1.28</b>	<b>3.02</b>

The following table reflects the share purchase warrants outstanding as at the date of the MD&A:

Expiry date	Number of warrants	Exercise price
December 15, 2023	193,590	\$ 1.52
November 10, 2025	5,232,500	2.75
<b>Total</b>	<b>5,426,090</b>	<b>\$ 2.71</b>

## XXI. OTHER INFORMATION

Additional information regarding the Company is available on the Company's website ([www.frontierlithium.com](http://www.frontierlithium.com)) and on the Company's profile on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca).

#### FRONTIER LITHIUM INC.

Trevor R. Walker, President & CEO  
November 27, 2023