Quarterly Activities Report

For the Quarter Ended 31 December 2023

Highlights

Root Lake

- **Coast Mountain Geological summer 2023 fieldwork program finalised with the discovery of mineralised pegmatite at Root Lake.**
- **Over eighty nine (89) pegmatite outcroppings were discovered during the fieldwork which will continue in the summer of 2024**
- **Drilling contractors and camp suppliers have been procured for the 2024 drilling programs**

Benham

- **Canadian Lithium portfolio expanded with the purchase of the Benham property**
- **A short targeted fieldwork campaign was undertaken at the Benham property before the winter snow with programs to recommence in the summer months**
- **A 40m Spodumene bearing pegmatite was discovered during the campaign with assay results from channel sampling showing grades up to 4.61% Li_2O**

LaGrande

- **Initial scouting and prospecting program completed for the 2023 program with fieldworks to recommence in summer 2024**
- **Nine (9) pegmatite outcrops discovered at LaGrande East and West**
- **Planning for the summer campaign will utilise the 2023 data**

Pioneer Lithium Limited (ASX Code: **PLN**) (‘**Pioneer Lithium’** or ‘the **Company’**) is pleased to present its Quarterly Activity Report for the quarter ending 31 December 2023 (‘the **Quarter’**).

Commenting on the Company’s Quarterly Report, **Pioneer Lithium Executive Chairman, Robert Martin, said:** *“Since commencing trading on the ASX late September, the Company has been extremely busy both progressing its high quality lithium assets whilst also acquiring an additional project. We have completed initial fieldwork campaigns before the winter snow at Root Lake, LaGrande and at our newly acquired Benham property, with these campaigns being extremely positive with multiple mineralised pegmatites discovered. We are looking forward to continuing our programs into 2024.”*

Operations

Operational activities for the Quarter focused on fieldwork campaigns before the winter snow made field operations utilising geological support staff redundant. During this time the company finalised first pass initial fieldwork programs at Root Lake, LaGrande and the newly acquired Benham property.

Root Lake

The fieldwork campaign at Root Lake discovered eighty nine (89) pegmatite outcrops including mineralised outcrops along strike from known lithium deposits held by Green Technology Metals (ASX:GT1). This initial programs data will be used to help delineate and determine drill hole locations for a 2024 drilling campaign. Fieldworks will also recommence in the summer to continue to help understand the geology of the property and to help give the company the best possibilities of success during the drilling programs.

Photo 1. *Photo of spodumene-bearing pegmatite outcrop hosted within metasediments (left) and medium-grained spodumene lathes within a pegmatite sample (right) from the Central Corridor*[1]

Negotiations with drilling contractors and camp providers have been finalised for Root Lake for 2024 but with new market conditions the Company has reopened these to ascertain if further savings can be achieved.

Benham

During the quarter, the company successfully executed an option agreement (‘Agreement’) with Mr Wayne Benham, securing the acquisition of a 100% interest in the highly prospective Benham Project located in north-west Ontario, Canada (ASX announcement 6 November 2023).

[1.] In relation to the disclosure of visual mineralisation, the Company cautions that visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analysis where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations. The presence of pegmatite rock does not necessarily indicate the presence of lithium, caesium, tantalum (LCT) mineralisation. Laboratory chemical assays are required to determine the grade of mineralisation. Refer to Cautionary Note – Visual Estimate

The Benham Project comprises 30 claims covering approximately 1,245ha, located immediately south of the boundary between the Winnipeg River and Western Wabigoon Sub-provinces of the Archaean Superior Craton, straddling a narrow greenstone belt proximal to the peraluminous, two-mica Ghost Lake Batholith and its smaller satellites.

The project is approximately 70km west of Critical Resources' (ASX: CRR) Mavis Lake Lithium Project, which comprises over 20 LCT (Lithium-Caesium-Tantalum) pegmatites that are genetically related to the Ghost Lake Batholith.

A short and concentrated maiden field exploration program was implemented at Benham during the Quarter to start mapping and prospecting before the winter snow set in. Whilst the program was relatively short due to weather conditions, the program was extremely successful discovering a total of sixty one (61) pegmatite outcrops including multiple mineralised pegmatite outcroppings including a 40m x 5m mineralised outcrop, which has subsequently returned grades from channel sampling of up to **4.61% Li_2O (F0373658)** (ASX announcement 18 January 2024)**.**

Photo 2. *Photo of channel sample F0373658 and spodumene crystals at the Benham property*

Systematic fieldwork campaigns will continue in the summer months to delineate a maiden drilling campaign in 2024.

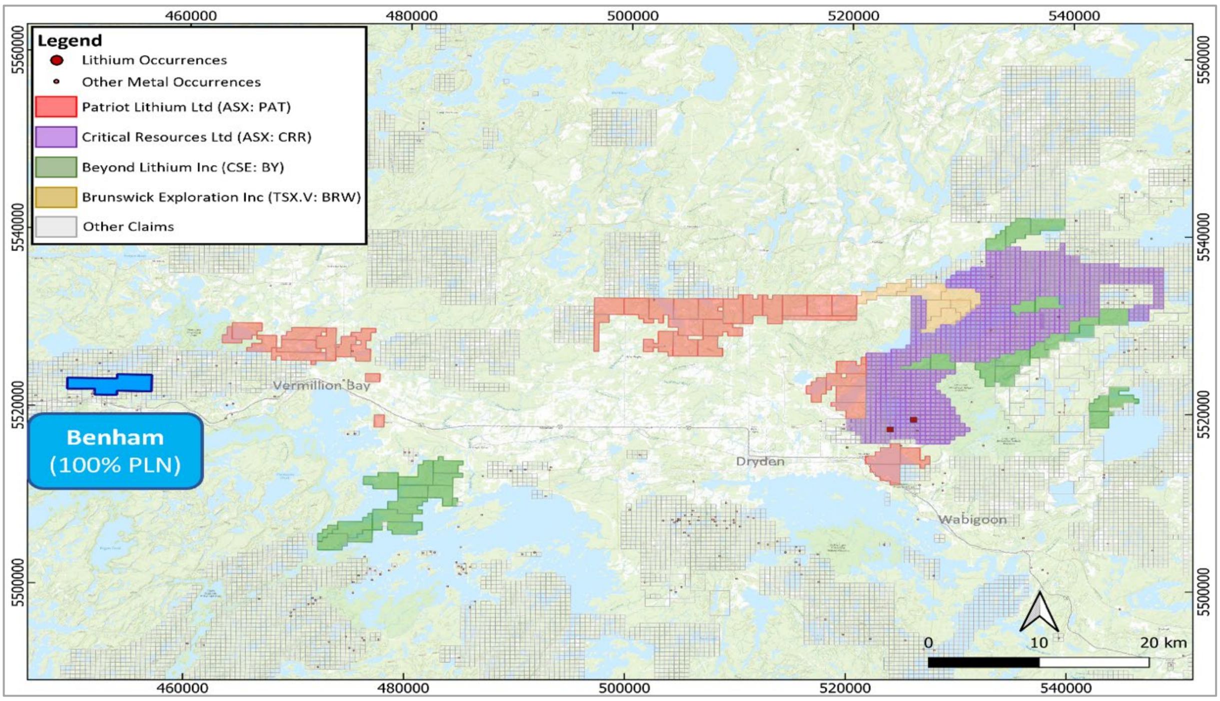

Figure 1. *Map showing the location of the Benham Project, NW Ontario.*

LaGrande

A concentrated three (3) day fieldwork campaign was completed during the Quarter but was highly weather impaired. The initial campaign was designed to obtain preliminary first-hand site-specific geological information to help the Company design a comprehensive fieldwork program schedule in the summer of 2024.

Even with the limited timing window for the campaign a total of nine (9) pegmatite outcrops were identified at the LaGrande East and West Claims and will be further investigated during the summer 2024 field programs.

Photo 3. *Large pegmatite discovered at the LaGrande Project.*

Lauri Lake

Due to the limited time available before the winter weather set in no work was conducted at Lauri Lake during the Quarter.

Finance

The Appendix 5B quarterly cashflow report for the quarter ended 31 December 2023 is submitted separately.

The Company closed the Quarter with a cash balance of $2.80M. Exploration expenditure during the Quarter totalled $462k and project acquisition costs during the Quarter totalled $67k regarding the Benham acquisition.

Expenditure

In accordance with Listing Rule 5.3.4, Table 2 below compares the Company's actual expenditure to 31 December 2023 in comparison with the estimated expenditure outlined in the 'Use of Funds' statement included in the Prospectus.

Table 2 – Use of Funds as per Prospectus

Use of Funds as per Prospectus	Allocation as per Prospectus	Current Quarter Use	Total Use until 31 Dec 23
Exploration and development	2,800,000	461,952	542,999
Corporate Administration	900,000	405,300	520,270
Lead Manager fees	307,500	330,800	330,800
Cost of the offers	257,896	298,176	298,176
Working capital	970,604	72,803	745,015
Total	**5,236,000**	**1,569,030**	**2,437,260**

Total costs to date for exploration and corporate are in line with work programs initiated as per the prospectus and are reflective of listing in the prior quarter.

Working capital costs include the acquisition of the Benham property. All listing costs were paid in the December quarter and totalled $629k.

Payments to Related Parties

Pursuant to section 6 of the Company's Appendix 5B, and as required under ASX Listing Rule 5.3.5, during the Quarter the Company made payments of $95k to current Directors and their associates.

Interests in Mining Tenements as at 31 December 2023

Location	Tenement Reference	Acquired Interest during Quarter	Interest at the end of Quarter
Canada, Root Lake	100869-100870, 101451, 101629-101630, 101662-101664, 116132-116133, 116158, 116779-116780, 118177, 120331, 121058-121059, 121821, 159505-159507, 160202, 160913-160914, 160940, 165493-165495, 166224, 166932, 179055-179056, 179781, 194259-194260, 194977, 196166, 199909, 224923, 225649-225651, 226465, 233623, 233644, 262824-262826, 266238-266239, 268886-268887, 280929, 282368-282369, 282906-282907, 286298-286299, 289735, 289756-289758, 293097-293098, 322338-322339, 329467-329469, 329501-329503, 339884, 341335-341337, 344720-344722, 731591-731604	-	90%
Canada, Laurie Lake	783209-783215, 783221-783234	-	100%
Canada, LaGrande	2701302-2701322, 2701338-2701361, 2702443-2702489	-	100%
Canada, Benham[1]	104246, 107262, 118653, 118655, 121904, 126857, 160383, 179877, 233729, 245928, 271139, 281205, 281206, 289797, 321032, 533827, 533923, 533924, 533929 ,533989 ,538595 ,551598-551606	100%	100%

1. Refer to ASX announcement 6 November 2023 for full Option acquisition terms and conditions.

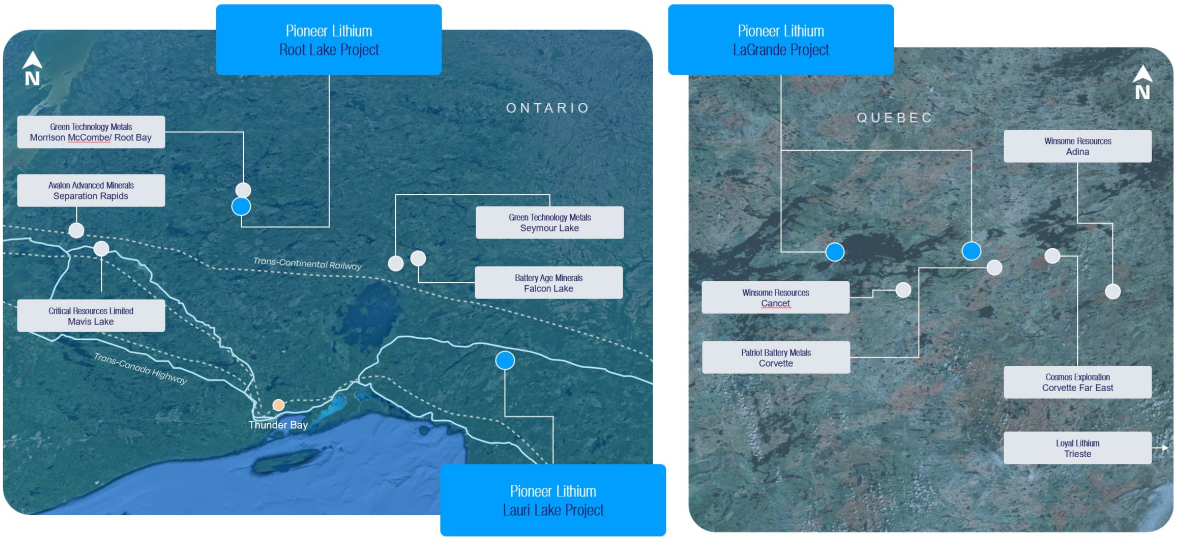

Figure 3. Location of Pioneer Lithium's Root Lake and LaGrande Projects, respectively in Ontario and Quebec.

This announcement has been authorised for release by the Board.

ENDS

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Cautionary Statement - **Visual Estimates** *This announcement contains references to visual results and visual estimates of mineralisation. The Company draws attention to uncertainty in reporting visual results. Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations. The presence of pegmatite rock does not necessarily indicate the presence of lithium, caesium, tantalum (LCT) mineralisation. Laboratory chemical assays are required to determine the grade of mineralisation.*

Compliance Statement *This report contains information on the Root Lake, LaGrande and Benham Projects extracted from ASX market announcements dated 10 October 2023, 16 October 2023, 24 October 2023, 26 October 2023, 6 November 2023, 16 November 2023, 23 November 2023, 29 November 2023 and 18 January 2024 released by the Company and reporting in accordance with the 2012 edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). The original market announcements are available to view on www.pioneerlithium.com.au and www.asx.com.au. Pioneer Lithium is not aware of any new information or data that materially affects the information included in the original market announcement.*

Forward-looking Statements *This announcement may contain certain forward-looking statements and projections. Such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. Forward looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. Pioneer Lithium Limited does not make any representations and provides no warranties concerning the accuracy of the projections and disclaims any obligation to update or revise any forward-looking statements/projects based on new information, future events or otherwise except to the extent required by applicable laws. While the information contained in this report has been prepared in good faith, neither Pioneer Lithium Limited or any of its directors, officers, agents, employees or advisors give any representation or warranty, express or implied, as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this announcement.*

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Pioneer Lithium Limited

ABN	Quarter ended ("current quarter")
90 633 888 891	31 December 2023

	Consolidated statement of cash flows		Current quarter $A'000	Year to date (6 months) $A'000
1.	**Cash flows from operating activities**			
1.1	Receipts from customers		-	-
1.2	Payments for			
	(a)	exploration & evaluation	(65)	(65)
	(b)	development	-	-
	(c)	production	-	-
	(d)	staff costs	(171)	(179)
	(e)	administration and corporate costs	(300)	(481)
1.3	Dividends received (see note 3)		-	-
1.4	Interest received		-	-
1.5	Interest and other costs of finance paid		-	-
1.6	Income taxes paid		-	-
1.7	Government grants and tax incentives		-	-
1.8	Other (provide details if material)		-	-
1.9	**Net cash from / (used in) operating activities**		**(536)**	**(725)**

2.	**Cash flows from investing activities**			
2.1	Payments to acquire or for:			
	(a)	entities	-	-
	(b)	tenements	(67)	(706)
	(c)	property, plant and equipment	(4)	(25)
	(d)	exploration & evaluation	(303)	(322)
	(e)	investments	-	-
	(f)	other non-current assets	-	-

Consolidated statement of cash flows		Current quarter $A'000	Year to date (6 months) $A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	**Net cash from / (used in) investing activities**	**(374)**	**(1,053)**

3.	**Cash flows from financing activities**		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	0	5,204
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(629)	(629)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	(30)	(30)
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	**Net cash from / (used in) financing activities**	**(659)**	**4,545**

4.	**Net increase / (decrease) in cash and cash equivalents for the period**		
4.1	Cash and cash equivalents at beginning of period	4,369	33
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(536)	(725)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(374)	(1,053)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(659)	4,545

Consolidated statement of cash flows		**Current quarter $A'000**	**Year to date (6 months) $A'000**
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	**Cash and cash equivalents at end of period**	**2,800**	**2,800**

5.	**Reconciliation of cash and cash equivalents** at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	**Current quarter $A'000**	**Previous quarter $A'000**
5.1	Bank balances	2,800	4,369
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	**Cash and cash equivalents at end of quarter (should equal item 4.6 above)**	**2.800**	**4,369**

6.	**Payments to related parties of the entity and their associates**	**Current quarter $A'000**
6.1	Aggregate amount of payments to related parties and their associates included in item 1 (Director Fees)	(95)
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

7.	**Financing facilities** *Note: the term "facility' includes all forms of financing arrangements available to the entity.* *Add notes as necessary for an understanding of the sources of finance available to the entity.*	**Total facility amount at quarter end $A'000**	**Amount drawn at quarter end $A'000**
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	**Total financing facilities**	-	-
7.5	**Unused financing facilities available at quarter end**		
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

8.	**Estimated cash available for future operating activities**	**$A'000**
8.1	Net cash from / (used in) operating activities (item 1.9)	(536)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(303)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(839)
8.4	Cash and cash equivalents at quarter end (item 4.6)	2,800
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	2,800
8.7	**Estimated quarters of funding available (item 8.6 divided by item 8.3)**	3.34

Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.

8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:

8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

Answer: N/A

8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

Answer: N/A

8.8.3	Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?
	Answer: N/A
	Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

Compliance statement

1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.

2 This statement gives a true and fair view of the matters disclosed.

Date: 19 January 2024

Authorised by: The Board of Pioneer Lithium Ltd

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [*name of board committee – eg Audit and Risk Committee*]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.