

4 September 2023

# EXPLORATION COMMENCES AT APOLLO LITHIUM PROJECT

## Highlights

- Immediate commencement of exploration work at flagship Apollo Lithium Project
- Exploration crew flew into Apollo and commenced fieldwork
- Partnered with Laurentia Exploration Inc - a highly reputable exploration Co
- An intensive pre-work program completed including permitting
- High-resolution Airborne Magnetic Survey completed
- Litho-structural analysis completed
- Ground-based Micro-Gravity survey completed at NW of Apollo
- Soil sampling program completed in NW of Apollo
- Use of AI technology in exploration strategy
- Priority targets for future drilling campaigns identified

Lithium Universe Limited (“Lithium Universe”, the “Company” or ASX: “LU7”) is pleased to announce that exploration work has commenced at the Apollo Lithium Project. Thanks to early permitting and field preparation, the Company has been able to swiftly launch its on-ground operations during the summer season without any delays, maximizing productivity. An exploration crew flew in recently and has commenced fieldwork and soil sampling at Apollo. Considering that the Company re-listed on 14 August 2023, this is a tremendous achievement. The video report can be found on YouTube via the following link <https://youtu.be/TyimkM6vLbw>

For this venture, the Company has partnered with Laurentia Exploration Inc, a highly reputable exploration company based in Quebec, Canada. Laurentia is known for its dynamic and flexible approach and has achieved great success across a variety of projects in the James Bay region. With a team of nearly 60 experienced employees, Laurentia will serve as the turnkey exploration partner for Lithium Universe in Quebec. Their responsibilities encompass all aspects of the exploration work, including site geological assessments, drilling operations, permitting, helicopter access, and overall logistics management.

Laurentia Exploration Inc. mobilised and commenced field work on the Apollo project between the 17<sup>th</sup> and 21<sup>st</sup> of August. Personnel accommodation, lodging and logistics are currently being managed from Otish Camp located approximately 73 km to the South-East of the Apollo project (see Figure 1). Personnel and equipment

mobilisation between Otish Camp and the Apollo Project is undertaken daily by a Bell 212 helicopter (see Figures 1 and 2) operated by Panorama Helicopters providing Heli-Supported operations.

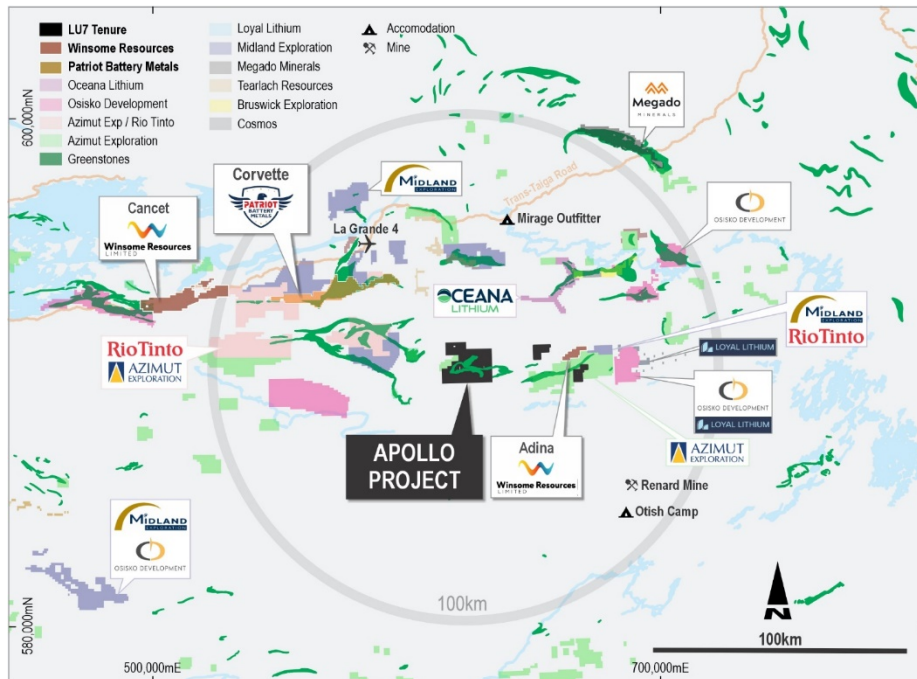


Figure 1 – Location map depicting Apollo Project, Otish Camp location and notable peers within the region.



Figure 2 - Laurentia Exploration field team at Otish Camp, James Bay, Quebec.

### **Exploration Strategy using AI Technology**

The Company has initiated the utilization of Artificial Intelligence (AI) to shape its exploration strategy. Collaborating with KorrAI Technologies Limited (KorrAI) in Canada, the Company is tapping into KorrAI's technological prowess to leverage satellite data and AI techniques, elevating the standards of field exploration methodologies. This collaboration aims to streamline fieldwork duration, optimize expenditure, and elevate exploration results by harnessing data-driven insights. KorrAI's core methodology revolves around employing Artificial Intelligence for the interpretation and analysis of satellite data and visual content. Employing

sophisticated algorithms, KorrAI has generated intricate maps delineating diverse geological attributes such as outcrops, pegmatites, and vein configurations. Furthermore, by integrating spectral data, the identification of promising mineral-rich zones has been facilitated. This approach guides the efforts of LU7's field teams, channelling their focus towards locations with heightened potential.



Figure 3 - Otish Camp, James Bay, Quebec and fieldwork at Apollo

### **Airborne Magnetic Survey**

The company recently completed a high-resolution Airborne Magnetic Survey with a specific focus on the Apollo property instead of relying on regional datasets. The survey has obtained more detailed signals from the property to better understand its structural framework and rocks that could host LCT pegmatites. LU7 completed a 14-day, 5596 line Km Hi-Resolution Airborne Magnetic (AMAG) Survey conducted at a 50m line spacing by Geo Data Solutions (GDS), a Canadian based Airborne and Helicopter Geophysicist specialist. Figure 4 shows the increased level of analytical signals of Apollo from the high-resolution survey.

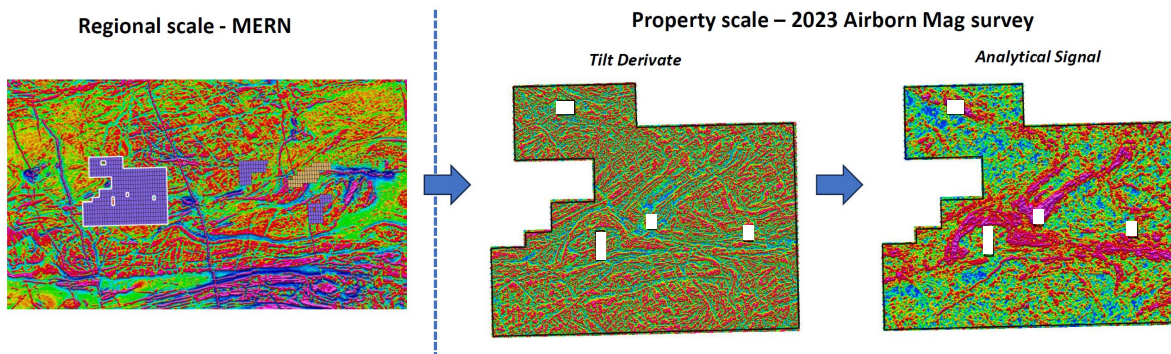


Figure 4 – Completion of high-resolution Airborne Mag Survey showing analytical signals at Apollo

The completed survey will help the Company to interpret the subsurface geology and structures in greater detail. This will assist in building up the geological model for the project and the subsequent exploration and drilling strategy. Recent sand cover and overgrowth may prevent these relationships from being mapped at the surface.

### Litho-Structural Analysis

Following the Airborne Magnetic Survey, the company utilised property scale geophysics to facilitate a comprehensive structural analysis of the area. The Company believes that the structural geophysics analysis may be indicative of potential for LCT pegmatitic dykes following distinct regional and local scale structural corridors. It appears that a major east-west trending fault corridor/shear feature is evident that extends from the Apollo project to Winsome Resources Limited’s Adina Lithium project to the east. This corridor/shear feature could control any potential spodumene mineralisation, See Figure 5. Winsome Resources’ Adina Lithium project is 29 km to the East of Apollo. Winsome Resources’ Adina project has a total strike length of lithium mineralised trend of over 3 km, with mineralisation remaining open to both the east and west of reported intercepts. Drilling at Winsome Resources’ Adina has delivered some impressive results, including 1.34% Li<sub>2</sub>O over 107.6m from 2.3m to 109.9m and as high as 1.92% Li<sub>2</sub>O over 30m.

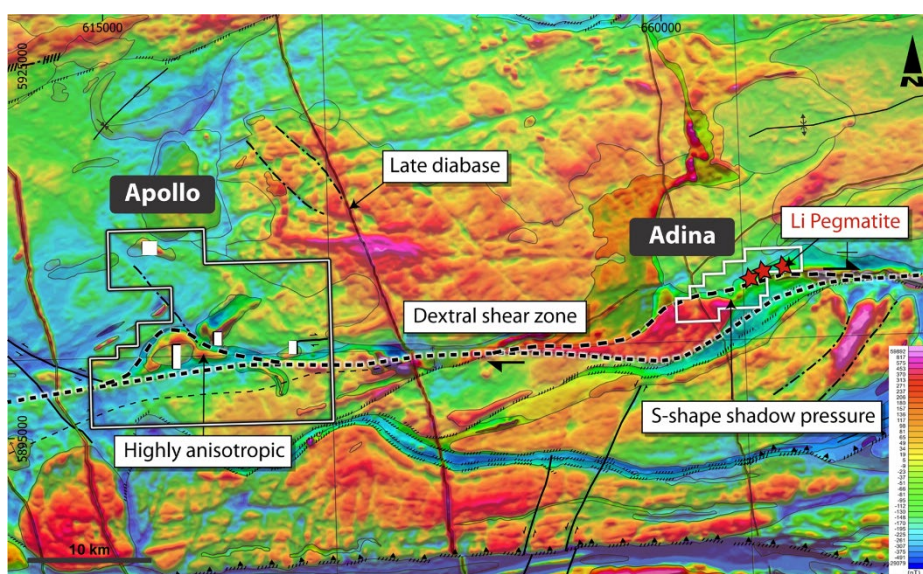


Figure 5 – Structural Geophysics analysis showing corridor shear feature from Adina across Apollo

This corridor/shear feature data along with field-based input will be integrated with KorrAI technology combined Satellite data and Artificial Intelligence (AI) will generate drill-ready exploration targets for future field and drilling campaigns. In other words, our first target drilling may be along these corridor shear features.

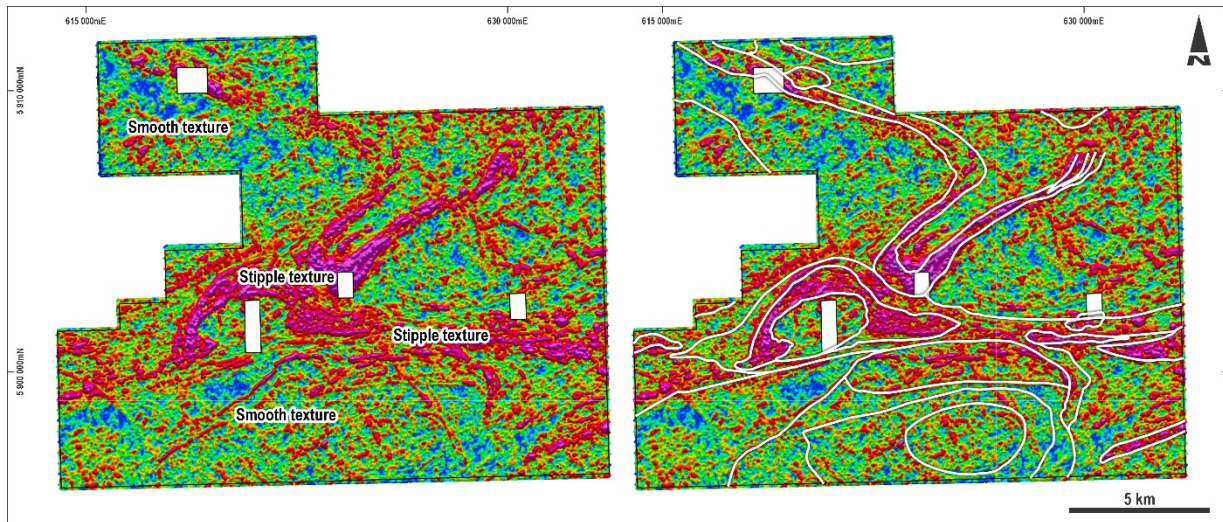


Figure 6 – Structural Geophysics analysis showing corridor shear feature at Apollo

### Micro-Gravity Survey

A ground-based Micro-Gravity survey was completed by Géophysique TMC on lines 1 and 2 in the northwest part of the Apollo Lithium Project. See the “green lines” in Figure 7. Micro-Gravity surveys can help identify variations in the density of subsurface materials. This information can reveal the presence of geological structures such as faults, folds, and buried structures that may be associated with spodumene mineral occurrences. Two hundred and sixty (260) sample points/readings were acquired from the on-the-ground Micro-Gravity survey. A further 1,335 planned sample points will be conducted in due course, see “yellow lines” in Figure 6.

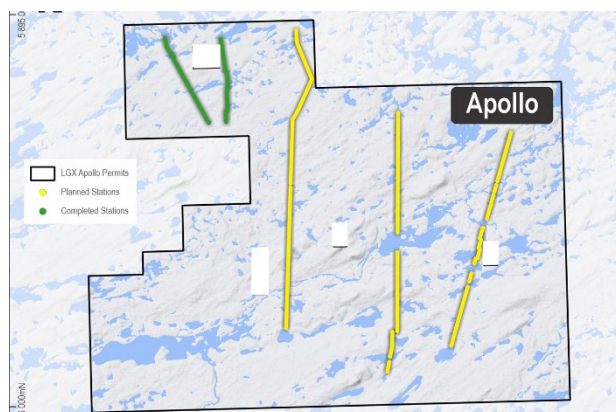


Figure 7 – In-field Micro-Gravity Survey undertaken by Géophysique TMC at Apollo (Green lines = complete, Yellow lines = To be completed).



Figure 8 – Geologist on the ground conducting Micro-Gravity survey

## Soil Sampling

An initial 300 × 150m soil sampling program was conducted on the north-west part of the Apollo Lithium Project collecting a total 674 samples, See Figure 8. Soil sampling allows the Company geologists to analyse the concentration of lithium in the soil, which can provide an indication of the underlying geology and potential lithium-bearing minerals. Lithium, if present in rocks and minerals that weather over time, releases lithium ions into the soil. The continuation of a soil sampling programme will aim to focus on those areas in close spatial proximity to Greenstone (Lac Rouget Formation), Vieux Comptoir intrusive, and major identified structures.

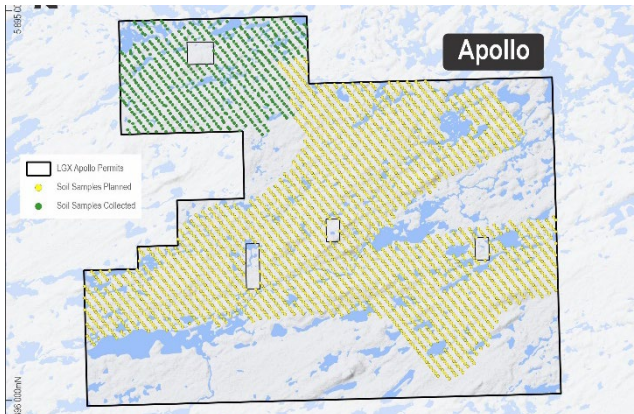


Figure 8 – Soil sampling program completed in the NW section of Apollo



Figure 9 – Field geologist at NW section of Apollo

Further soil sampling will include Priority 1: Soil sampling (1,500 stations) at spacing of 300m × 150m covering a majority of the 'Greenstone belt' and the E-W trending magnetic low structure (see Figure 10).

Priority 2: Soil sampling (1,100 points) at spacing of 600m × 150m covering the northern and southern parts of the "Greenstone belt" (see Figure 10).

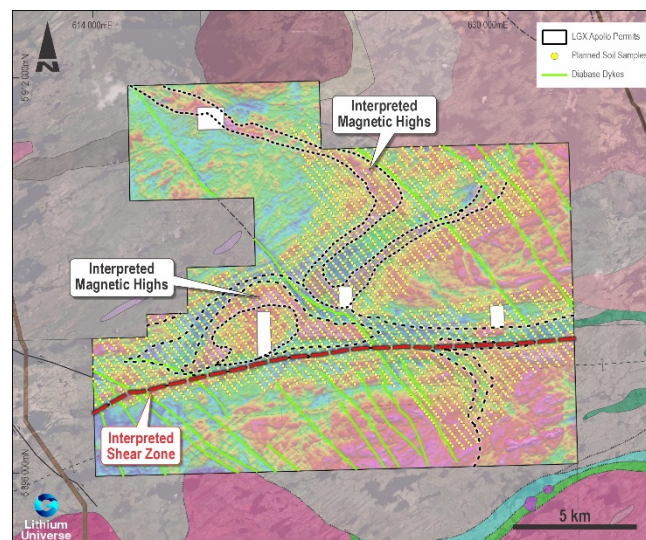
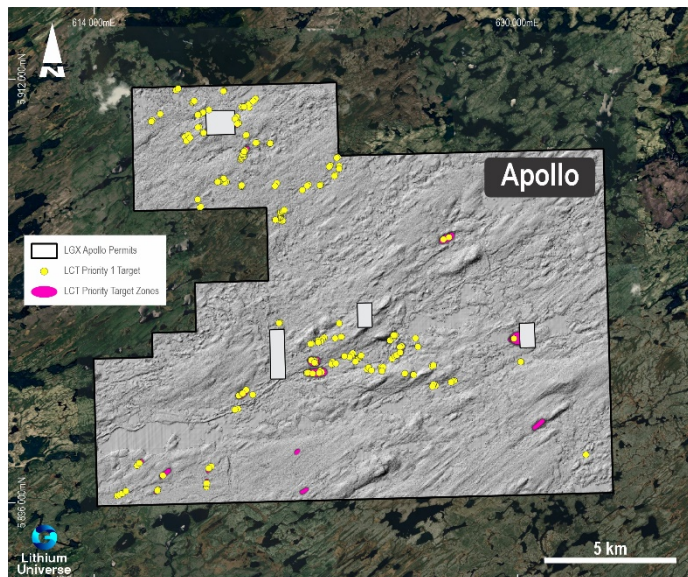


Figure 10 – Further soil sampling (green triangles) to be targeted

### **Priority Targets for Future Drilling Campaign**

A final interpretation was conducted to combine all available information and designate priority targets. Clusters of targets, particularly targets that follow topographic trends with a “whaleback” pattern in the digital terrain models were prioritized. Priority target points are generally ranked into high, medium, and low and are separated into classes of LCT targets. Figure 11 shows some of these targets that may be incorporated in a future drilling program.



**Figure 10 – Possible targets for future programs**

Chairman Iggy Tan expressed his satisfaction with the swift presence of the exploration team at the Apollo site shortly after relisting. *“Our Head of Geology, Justin Rivers, and CEO Alex Hanly effectively managed the establishment of partnership connections, including with companies like Laurentia, during the project’s due diligence phase. The initiation of the permitting process, strategically aligned with the relisting timeline, enabled the prompt mobilization of our exploration crew. Diligent foresight and anticipation played a pivotal role in achieving this rapid on-site exploration. We look forward to reporting our progress in the coming months”, he said.*



***Watch the YouTube Video Report***

Authorised for release by Iggy Tan, Chairman of Lithium Universe Limited

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**Forward-looking Statements**

The Company wishes to remind investors that the presence of pegmatite does not necessarily equate to spodumene mineralization. Also that the presence of pegmatite and spodumene mineralization on nearby tenements does not necessarily equate to the occurrence on Lithium Universe Limited's tenements. This announcement contains forward-looking statements which are identified by words such as 'anticipates', 'forecasts', 'may', 'will', 'could', 'believes', 'estimates', 'targets', 'expects', 'plan' or 'intends' and other similar words that involve risks and uncertainties. Indications of, and guidelines or outlook on, future earnings, distributions or financial position or performance and targets, estimates and assumptions in respect of production, prices, operating costs, results, capital expenditures, reserves and resources are also forward looking statements. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions and estimates regarding future events and actions that, while considered reasonable as at the date of this announcement and are expected to take place, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies. Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of our Company, the Directors and management. We cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will actually occur and readers are cautioned not to place undue reliance on these forward-looking statements. These forward looking statements are subject to various risk factors that could cause actual events or results to differ materially from the events or results estimated, expressed or anticipated in these statements.



### Competent Person's Statement

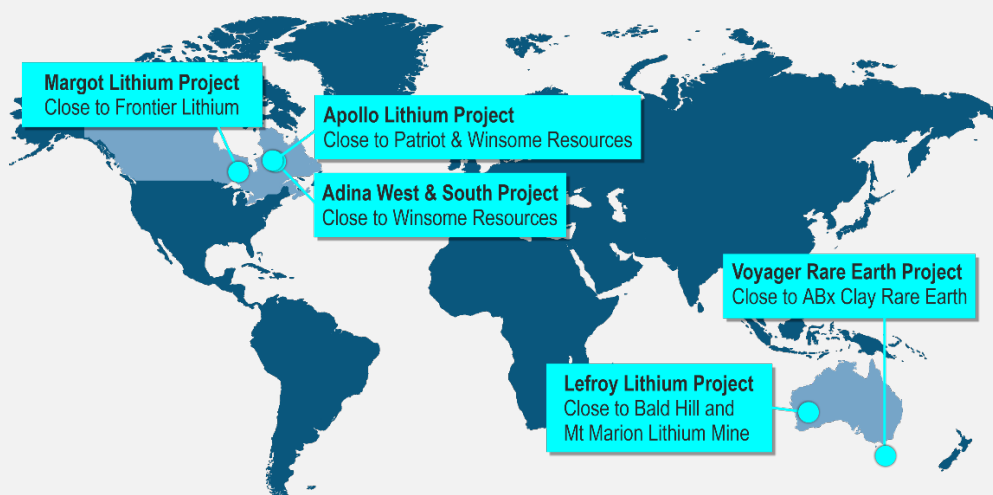
The information in this announcement which relates to Exploration Results is based on, and fairly represents, information and supporting documentation prepared by Mr. Hugues Guérin Tremblay, Exploration Manager – Canada and President of Laurentia Exploration Inc and Mr. Justin Rivers, Head of Geology – Lithium Universe Ltd. Mr Tremblay (P.Geo) is duly registered with the Ordre des Géologues du Québec (OGQ) as a geologist, member #1584, and a member of the Quebec Mineral Exploration Association (AEMO) and the Prospectors and Developers Association of Canada (PDAC). Mr. Tremblay has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which has been undertaken to qualify as a Competent Person (CP) as defined in the JORC, 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" and has read the definition of "qualified person" (QP) set out in National instrument 43-101 ("NI 43-101") and certify that by reason of education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, fulfills the requirements to be a "qualified person" for the purposes of NI 43-101'.

Mr. Rivers is a member of and Chartered Professional with the Australasian Institute of Mining and Metallurgy (AusIMM). Mr. Rivers has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which has been undertaken to qualify as a Competent Person (CP) as defined in the JORC, 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" Both Mr Tremblay and Mr. Rivers consent to the inclusion in this release of the matters based on the information in the form and context in which they appear.

### About Lithium Universe Limited (ASX:LU7)

LU7's main objective is to establish itself as a prominent Lithium project builder by prioritizing swift and successful development of Lithium projects. Instead of exploring for the sake of exploration, LU7's mission is to quickly obtain a resource and construct a spodumene-producing mine in Québec, Canada. Unlike many other Lithium exploration companies, LU7 possesses the essential expertise and skill to develop and construct profitable projects. Additionally, Lithium Universe Limited has access to significant Lithium opportunities in Tier 1 mining jurisdictions in Canada and Australia.

### Tier 1 Lithium Inventory



### Apollo Lithium Project (80%)

Commanding a land position spanning over 240 km<sup>2</sup>, Apollo is located in the same greenstone belt and only 29 kilometres south-east of the Corvette Lithium Project owned by Patriot Battery Metals (market cap of over A\$1.4 billion). Patriot's most successful drill result was a remarkable 156 meters at 2.12% Li<sub>2</sub>O at CV5. Similarly, 28 kilometres to the east, Winsome Resources Limited (market capitalization of over A\$300 million) recently announced drilling hits of 107 meters at 1.34% Li<sub>2</sub>O from 2.3 meters (AD-22-005) at their Adina Project. Apollo has 17 pegmatite outcrops reported on the tenement package. Given the exceptional results from these neighbouring projects, the Apollo Lithium Project has the potential to be equally successful.

### Adina South & Adina West Lithium Project (80%)

The project is situated in close proximity to the Adina discovery, which is owned by Winsome Resources, a Company with a Market Capitalisation of over A\$300m in the market. The Adina Project has produced a visual pegmatite intersection of over 160m in drills, lying beneath outcropping 4.89% Li<sub>2</sub>O. Recently, Winsome Resources reported successful drilling results, with AD-22-005 yielding 107m at 1.34% Li<sub>2</sub>O from 2.3m at their Adina Project. The Adina South & Adina West Lithium Project boasts one of the largest prospective land holdings near Winsome Resources Limited. Aerial satellite images have revealed similar pegmatite occurrences at the surface.

### Margot Lake Lithium Project (80%)

The Margot Lake project is located in north-western Ontario, in the premium lithium mineral district of Ontario's Great Lakes region. The project is situated 16km southeast of Frontier Lithium's (TSX-V: FL) PAK Deposit, which contains 9.3Mt at 2.0% Li<sub>2</sub>O, and 18km away from Frontier's Spark

Deposit, which contains 32.5Mt at 1.4% Li<sub>2</sub>O. The tenement contains nine confirmed and mapped pegmatites and is located in a highly competitive district due to recent major discoveries of lithium. Frontier Lithium, with a market capitalization more than CAD\$450 million, is a significant player in the region.

**Lefroy Lithium Project (100%)**

Lefroy is in the mineral-rich Goldfields region of Western Australia. This strategically located project is in close proximity to the Bald Hill Lithium Mine, which has a top-quality spodumene concentrate with low levels of mica and iron, as well as significant tantalum by-product production. The Bald Hill mine has a resource of 26.5 million tonnes at 1.00% Li<sub>2</sub>O. The Lefroy project is also located near the Mt. Marion Lithium Mine, which is owned by Mineral Resources and has a market capitalization of A\$17B. Mt. Marion produces 900,000 tonnes of mixed-grade spodumene concentrate annually and is approximately 60 kilometres from the Lefroy project.

**Voyager Rare Earth Project (80%)**

The Voyager project is north tenements are positioned between ABx Group tenures, where clay-hosted rare earth elements (REE) and niobium have been discovered and hold resources of 21Mt. These areas are analogous with Ionic Adsorption Clay (IAC) deposits that have produced REE in southern China using simple leaching. ABx stated that early testwork indications show their rare earth elements are easily leached and could be concentrated at low cost, with no deleterious elements. Geological mapping of Voyager's tenures indicates the presence of various areas of clay and bauxite, which is the ideal geological environment for the occurrence of rare earth elements.