

## Pioneer Lithium Engages Geological Consultancy for LaGrande Fieldwork

Initial reconnaissance fieldwork program being planned for the Company's highly prospective LaGrande Lithium Project in Quebec, Canada.

### Highlights

- Geological consultancy group, Services Géoscientifiques Inc. engaged to plan and complete a geological reconnaissance program.
- The staged program will see an initial desktop compilation followed by a period of fieldwork including geological mapping and rock chip sampling.
- GeoCloud Analytics has been engaged to obtain and analyse Sentinel-2 multi-spectral imagery to assist with potential pegmatite identification.

Pioneer Lithium Limited (ASX Code: PLN) ('Pioneer Lithium' or 'the Company') is pleased to advise that it has engaged experienced consultancy group IOS Services Géoscientifiques Inc. ('IOS') to complete a geological reconnaissance program at the Company's 100%-owned LaGrande Lithium Project in the James Bay region of Quebec, Canada.

Commenting on the announcement, **Pioneer Lithium CEO, Clinton Booth, said:** *"We are pleased to be partnering with the experienced team at IOS. Their knowledge of this area is invaluable and will be tremendously beneficial to our exploration activities at LaGrande. It is a great effort by the team to be able to schedule this fieldwork program so quickly after our ASX listing and before the snow sets in."*

### Staged Reconnaissance Program

The geological reconnaissance program, which is expected to commence in the coming weeks, will be completed in two phases. The first phase will include the desktop compilation of all historical data available on the three claim areas that make up the Company's LaGrande Project. This will be followed by a second phase that includes the preparation of prospecting maps to help guide an initial fieldwork program.

The initial fieldwork program will involve geological mapping to identify pegmatite outcrops, as well as structural interpretation and the collection of rock chip samples for geochemical analyses, with the aim of identifying suitable host rock geology and testing the dispersion of lithium-bearing pathfinder minerals associated with LCT pegmatites. Results from the reconnaissance program will enhance the Company's understanding of the LaGrande Project areas and inform the planning of future exploration programs.

### Additional Datasets

Simultaneously, the Company has engaged GeoCloud Analytics to obtain and analyse Sentinel-2 multi-spectral imagery to assist with potential pegmatite identification.

The application of multi-band satellite imagery for mineral exploration is well known and is especially useful for remotely mapping weathering and alteration pathfinders for mineralisation.

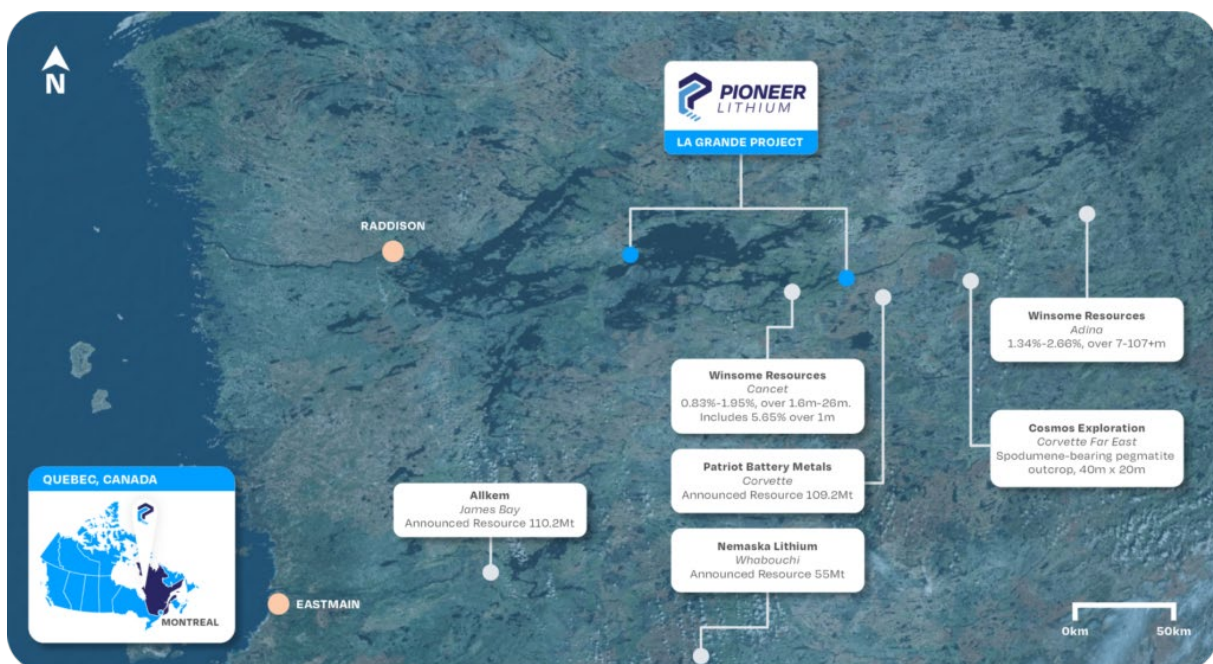
The Sentinel-2 imagery will be processed, assessed and selected for mapping potential pegmatite outcrops, with GeoCloud Analytics completing literature research on surrounding areas where mineralised LCT pegmatites have been identified as an attempt to establish a baseline response that can then be applied over the La Grande Project areas.

### About the LaGrande Project

The LaGrande Project comprises 92 claims totalling 4,688ha across three areas in the James Bay region of Quebec – LaGrande Quatre West (20 claims for 1,022ha), LaGrande Quatre East (seven claims for 357ha), and LaGrande Riviere (65 claims for 3,308ha). All three claim areas are located within the Archaean Superior Province of the Canadian Shield, situated in the central portion of the volcano-plutonic LaGrande Sub-province, proximal to the Opinaca Sub-province to the south.

The LaGrande Project occupies a position along the Lac Guyer Greenstone Belt, considered part of the larger La Grande River Greenstone Belt, which is dominated by volcanic and sedimentary rocks metamorphosed up to amphibolite facies that are host to spodumene-bearing LCT pegmatites on several neighbouring projects.

The LaGrande Quatre claim areas are located ~12km north-east of the Corvette Project (Patriot Battery Metals Inc. – ASX: PMT), 20km east of the Cancet Project (Winsome Resources Ltd – ASX: WR1) and 60km west of the Corvette Far East Project (Cosmos Exploration Ltd – ASX: C1X). The LaGrande Riviere claim area is located ~25km NE of the Brisk Li Project (Loyal Lithium Ltd – ASX: LLI).



For more information on Pioneer Lithium, refer to the Company's website at: [www.pioneerlithium.com.au](http://www.pioneerlithium.com.au)

This announcement has been authorised for release by the Executive Chairman.

**ENDS**

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**Compliance statement**

*This announcement contains information on the LaGrande Project extracted from an ASX market announcements, Prospectus - 26 July 2023 and Supplementary Prospectus – 26 September 2023 released by the Company and reported in accordance with the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (JORC Code). The original market announcement is available to view on [www.pioneerlithium.com.au](http://www.pioneerlithium.com.au) and [www.asx.com.au](http://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**

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