



## **Pan American Energy Commences the Spring 2024 Field Prospecting and Sampling Program At The Big Mack Lithium Project**

*The exploration program is part of the collaborative research project with the University of Regina entitled "Geomicrobiology for Detecting Rare Metal Deposits"*

**May 13<sup>th</sup>, 2024**

Calgary, Alberta — **Pan American Energy Corp. (CSE: PNRG | OTCQB: PAANF | FRA: SS60)** ("**Pan American**" or the "**Company**") is pleased to announce the commencement of the Spring 2024 field prospecting and sampling program at the Big Mack Lithium Project (the "**Project**" or "**Big Mack**"), located 80 km north of the town of Kenora, Ontario.

The exploration program is part of the collaborative research project with the University of Regina ("**U of R**") entitled "Geomicrobiology for Detecting Rare Metal Deposits". Eight students specializing in geosciences from the University of Regina ("**U of R**") will collect soil microbiology, soil chemistry, rock chemistry, ground water chemistry, soil mineralogy, and vegetation biochemistry samples across the entire Project area. The Company expects to collect upwards of 2,000 total samples from approximately 600 stations (Figure 1) over the course of 6 weeks. Laboratory analyses will be conducted at the Institute for Microbial Systems and Society at the U of R as well as the Saskatchewan Research Council, with the intent of using geomicrobiology to help generate new exploratory drilling targets on the Project

Jason Latkowcer, Chief Executive Officer, commented "as we embark on the Spring 2024 field prospecting and sampling program at Big Mack, we are not only advancing our exploration efforts but also helping to pioneer new frontiers in resource detection. Through our collaboration with the University of Regina, we intend to leverage the cutting-edge technology of geomicrobiology to help unlock the potential of the Big Mack. Our use of this innovative approach, alongside traditional exploration methods, underscores our commitment to strategic and informed decision-making and our efforts to position Pan American at the forefront of sustainable resource development."

Geomicrobial surveying is an emerging technology that seeks to detect subsurface deposits by identifying and enumerating microbial species in soil samples. Geomicrobiology is intended to complement existing geochemical and geophysical exploration by observing how microbial communities in shallow soil are shaped by the geological formation below. This data can then be used as an additional data layer in drill target selection. At Big Mack, samples will be taken at areas of known mineralization to observe the presence of specific microbial species and the structure of microbial communities. Sampling is planned to begin at the Big Mack Pegmatite and work outwards to other boundaries of the Project, making use of the drilling data generated by the Company in its 2023/2024 drilling program at Big Mack to correlate samples with areas of known mineralization. The intent of the program will be to evaluate relationships between the microbial communities at the Project and the features of the surrounding geology, which can then be integrated into exploration models to inform drill target selection.

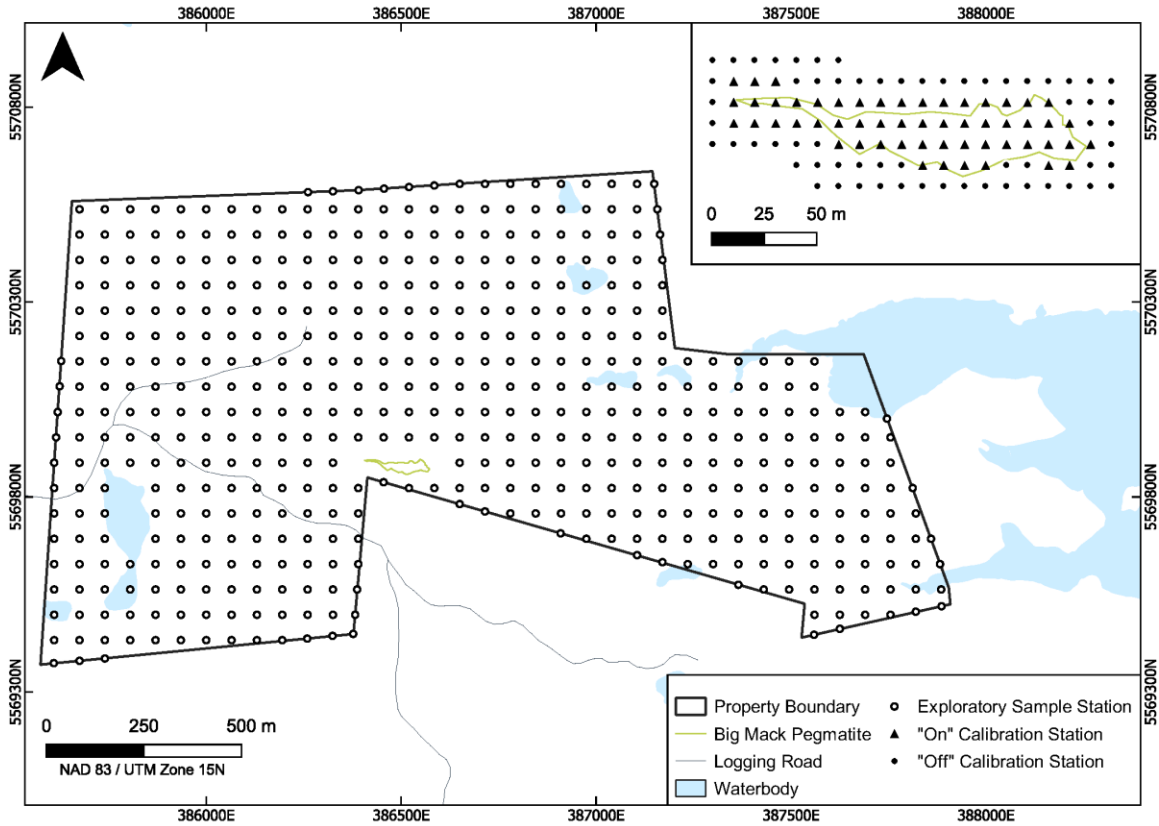


Figure 1. Proposed sample locations for Big Mack.

### Qualified Person

The technical content of this news release has been reviewed and approved by Jared Suchan, Ph.D., P.Geo., who is an independent consultant of the Company, and a “Qualified Person” as defined by NI 43-101.

### About Pan American Energy Corp.

Pan American Energy Corp. (CSE: PNRG) (OTCQB: PAANF) (FSE: SS60) is an exploration stage company engaged principally in the acquisition, exploration and development of mineral properties containing battery metals in North America.

The Company executed an option agreement in Canada with Magabra Resources, providing for the right to acquire up to a 90% interest in the Big Mack Lithium Project, 80 km north of Kenora, Ontario. The Company has also entered a property option agreement with Horizon Lithium LLC providing for the right to acquire a 100% interest in the Horizon Lithium Project, located within Esmeralda County – Tonopah Lithium Belt, Nevada, USA.

To register for investor updates, please visit <https://panam-energy.com>.

### **On Behalf of the Board of Directors**

Jason Latkowcer  
CEO & Director

### **Contact**

Phone : (587) 885-5970

Email: [info@panam-energy.com](mailto:info@panam-energy.com)

### **Cautionary Note Regarding Forward-Looking Statements**

*Certain statements contained in this press release constitute forward-looking information. These statements relate to future events or future performance. The use of any of the words “could”, “intend”, “expect”, “believe”, “will”, “projected”, “estimated” and similar expressions and statements relating to matters that are not historical facts are intended to identify forward-looking information and are based on the Company’s current beliefs or assumptions as to the outcome and timing of such future events. In particular, this press release contains forward-looking information relating to, among other things, the planned field prospecting and sampling program and research, including the expected timing thereof and the anticipated number of samples to be taken as part of the sampling program; the aim and proposed utility of geomicrobial surveys; the utility of the research results in the Company’s exploration of the Project, including in identifying drill targets at the Project; and the aim and hypothesis of the research and the Company’s anticipated role in supporting the research.*

*Various assumptions or factors are typically applied in drawing conclusions or making the forecasts or projections set out in forward-looking information, including, in respect of the forward-looking information included in this press release, the assumption that the research will proceed as anticipated on the anticipated timeline; the outcome of the research will be of assistance to the Company in exploring the Project and generating drill target at the Project; the Company will be successful in undertaking the planned field prospecting and sampling program on the timeline currently anticipated; geomicrobial surveys can be utilized in the manner anticipated in the exploration of mineral projects; and the Company will be successful in supporting the research project in the manner contemplated.*

*Although forward-looking information is based on the reasonable assumptions of the Company’s management, there can be no assurance that any forward-looking information will prove to be accurate. Forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include, among other things, the risk that the research does not proceed in the manner and on the timeline currently contemplated, or at all; that the Company’s field prospecting program does not proceed in the manner and on the timeline currently contemplated, or at all; risks inherent in exploration, testing and research, including risks relating to changes in project parameters or delays as plans continue to be redefined, that exploration, testing and research is inherently uncertain and that the results of testing and research may not be reproducible at scale; that the exploration and/or research may be unsuccessful or fail to achieve the results anticipated by the U of R or the Company, including that the Company may be unable*

*to utilize the results of its field program, in conjunction with the U of R's research, to enhance its exploration of the Project or generate drill targets at the Project; that geomicrobiology may not be useful, or may not be as useful as anticipated, in mineral resource detection; and that the Company may not be successful in supporting the research. The forward-looking information contained in this release is made as of the date hereof, and the Company not obligated to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by applicable securities laws. Because of the risks, uncertainties and assumptions contained herein, investors should not place undue reliance on forward-looking information. The foregoing statements expressly qualify any forward-looking information contained herein.*

*The Canadian Securities Exchange (CSE) has not reviewed, approved, or disapproved the contents of this press release.*