

# RARE EARTHS FOR TOMORROW

Corporate Presentation  
March 2024

**NeoTerreX**  
Minerals

TSX-V: NTX

# CAUTIONARY STATEMENTS

THIS PRESENTATION (THE “PRESENTATION”) WAS PREPARED AS A SUMMARY OVERVIEW ONLY OF THE CURRENT AFFAIRS OF NEOTERREX MINERALS INC. (“NEOTERREX” OR THE “COMPANY”) AND WAS NOT PREPARED FOR THE PURPOSE OF ASSISTING PROSPECTIVE INVESTORS IN MAKING A DECISION TO INVEST IN ANY SECURITIES OF THE COMPANY. THE INFORMATION CONTAINED HEREIN IS NOT AND SHOULD NOT BE CONSTRUED AS EITHER A PUBLIC OR PRIVATE OFFER OR SOLICITATION TO PURCHASE SECURITIES IN THE CAPITAL STOCK OF THE COMPANY, NOR AS LEGAL, FINANCIAL, OR TAX ADVICE.

## Qualified Person

The disclosure of any scientific and technical information contained in this Presentation was approved by Mathieu Stephens, P.Geo, NeoTerrex’s President, Chief Executive Officer and director, and a Qualified Person under National Instrument 43-101 Standards of Disclosure for Mineral Projects.

## Technical Data

NeoTerrex submits all samples for geochemical assay to ALS Global Ltd. (“ALS”). ALS has sample preparation facilities in Canada, which are utilized for sample submissions from NeoTerrex. Analytical techniques include lithium borate fusion, ICP-MS, ICP-AES and XRF analyses for base metals, trace elements and full-suite REE analysis, and gold determination by atomic absorption on fire assay. Analytical results are subject to industry-standard and National Instrument 43-101 Standard of Disclosure for Mineral Projects compliant QA/QC sample procedures, such as the systematic insertion of both sample duplicates and geochemical standards, done both externally on the project site by the NeoTerrex, and internally at the laboratory by ALS, as described by ALS.

## Historical data

The information contained herein, while obtained from sources which we believe are reliable, is not guaranteed as to its accuracy or completeness. References are made herein to historical information containing geologic and technical information. By its nature, this information cannot be verified. A Qualified Person under National Instruments 43-101 Standard of Disclosure for Mineral Projects has not verified the sampling, analytical, and test data underlying the historical information. NeoTerrex has assumed that this historical information is accurate and complete in all material aspects and, while NeoTerrex has carefully reviewed all the available information, it cannot guarantee its accuracy and completeness.

## Market and Industry Data

Market data and industry forecasts contained in this Presentation have been obtained from industry publications, various publicly available sources or subscription-based reports as well as from NeoTerrex management’s good faith estimates, which are derived from management’s knowledge of the industry and independent sources that management believes to be reliable. Industry publications, surveys and forecasts generally state that the information contained therein has been obtained from sources believed to be reliable. Neither NeoTerrex has not independently verified any of the information from third-party sources nor have they ascertained the validity or accuracy of the underlying economic assumptions relied upon therein. NeoTerrex hereby disclaim any responsibility or liability whatsoever in respect of any third-party sources of market and industry data or information.

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This Presentation contains certain forward-looking information and forward-looking statements (collectively “forward-looking statements”) within the meaning of applicable securities legislation. All statements, other than statements of historical fact, are forward-looking statements. Forward-looking statements in this Presentation include, but are not limited to: statements regarding the business, operations, outlook and financial performance and condition of the Company; plans, objectives and advancement of mineral resource projects controlled by the Company (the “Projects”); exploration drilling plans and other work plans and exploration programs to be conducted; results of exploration, development and operations; environmental and social community and other permitting; timing, type and amount of capital and operating and exploration expenditures; estimation of mineral resources and mineral reserves; development and advancement of the Projects; treatment under regulatory regimes; any other statements regarding the business plans, expectations and objectives of the Company; and any other information contained herein that is not a statement of historical fact.

Forward-looking statements are based on management’s reasonable estimates, expectations, analyses and opinions at the date the information is provided, and is based on a number of assumptions and subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those projected in the forward-looking information. Assumptions upon which such forward-looking information are based include, without limitation, that no significant event will occur outside the ordinary course of business of the Company; legislative and regulatory environment; impact of increasing competition; current technological trends; price of gold and other metals; costs of development and advancement; anticipated results of exploration and development activities; the ability to operate in a safe and effective manner; and the ability to obtain financing on reasonable terms.

All forward-looking statements are inherently uncertain and subject to a variety of assumptions, risks and uncertainties, including risks, uncertainties and assumptions related to: the Company’s ability to achieve its stated goals, including the estimated costs associated with the advancement of the Projects; legislative changes that impact operations of the Company; the ongoing ability to work cooperatively with stakeholders, including but not limited to local communities and all levels of government; the potential for delays in exploration or development activities due to the COVID-19 pandemic; the interpretation of drill results, the geology, grade and continuity of mineral deposits; the possibility that any future exploration, development or mining results will not be consistent with our expectations; risks that permits will not be obtained as planned or delays in obtaining permits; mining and development risks, including risks related to accidents, equipment breakdowns, labour disputes (including work stoppages, strikes and loss of personnel) or other unanticipated difficulties with or interruptions in exploration and development; risks related to commodity price and foreign exchange rate fluctuations; the cyclical nature of the industry in which the Company operates; risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals; risks related to environmental regulation and liability; political and regulatory risks associated with mining and exploration; risks related to the uncertain global economic environment which could continue to negatively affect global financial markets and could negatively affect the ability to raise capital and may also result in additional and unknown risks or liabilities to the Company. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements. The Company does not undertake to update any forward-looking statements that are contained herein, except in accordance with applicable securities laws.

## Currency

References to dollars or “\$” are to Canadian dollars unless specified otherwise.

## NEOTERREX AT A GLANCE

# An Investment for the Future

- ▶ Critical rare earth elements (REE) in Quebec
- ▶ \$5.5 Million in Cash
- ▶ Proven Management
- ▶ +20 new occurrences discovered since 2022
- ▶ Channel sampling returned 3.5% total rare earth oxides over 27 metres
- ▶ Located near key infrastructure
- ▶ Essential minerals for the growing green energy market and military applications
- ▶ Increasing government support due to foreign control of REE supply



## MANAGEMENT & DIRECTORS

### Team Experienced in Delivering Value

Mr. Stephens is a professional geologist with over 15 years in the mining industry. He was President and CEO of UrbanGold Minerals which was subsequently acquired by Troilus Gold in 2021 and Vice President of Exploration for Beaufield Resources which was acquired by Osisko Mining in 2018. Previous to this, Mr. Stephens worked for Canaccord Capital for over 6 years.

Mr. Tchakmakian is a Chartered Professional Accountant (CPA) with over 30 years of experience in the minerals industry. He is specialized in the field of public companies and securities regulations in Canada. Mr. Tchakmakian has been an officer of several public companies in the mineral sector having operations in Canada, and Latin America. He is a member of the TSX Venture Exchange Advisory Committee. He was CFO of UrbanGold Minerals which was subsequently acquired by Troilus Gold in 2021 and of Beaufield Resources which was acquired by Osisko Mining in 2018.

Mr. Burstall is a partner with DS Lawyers Canada LLP and practices in the area of commercial law with an emphasis on securities law. Mr. Burstall's practice includes all aspects of securities law from both the perspective of an issuer or an underwriter, including initial public offerings, secondary financings, mergers and acquisitions, all dealings with regulators including stock exchanges and securities commissions, and corporate governance. He was Director of UrbanGold Minerals which was subsequently acquired by Troilus Gold in 2021.



**Mathieu Stephens, P. Geo**  
President & CEO



**Vatché Tchakmakian, CPA**  
CFO and  
Corporate Secretary



**Dale Burstall, LLB**  
Director

## MANAGEMENT & DIRECTORS

### Team Experienced in Delivering Value

Mr. Neill is the President of Trinity Management, a consulting company specializing in business development activities in rare earths and specialty metals. He has over 25 years' experience evaluating potential mining projects globally. Mr. Neill has been the director of several TSX-V companies and global conferences on rare earths. He has a degree in Material Science Engineering from the University of Western Ontario, London, Ontario and an MBA from York University, Toronto.

Mr. Pilon is Chief Operating Officer of Helicopter Transport Services, a global air operator that focuses in the mining sector & utility air operations. Mr. Pilon has been working closely with the mining sector for over twenty years and has also been an active rotary & fixed wing pilot on mining explorations projects. Mr. Pilon has over two decades of management experience in operating aviation businesses worldwide. Mr. Pilon attained a Master of Business Administration degree from Queen's University.

Mr. Sharma is the CEO of Fancamp Exploration Ltd and has over 25 years of leadership experience in mining, exploration, metals and international trade. He has experience in advancing exploration and mining projects including investments, acquisitions, joint ventures, partnerships and running global businesses. Past roles include Executive in Residence at Investissement Quebec, CEO of TSMC, CEO of Black Ginger 461 Pty Ltd, investment arm of Tata for mineral projects in Africa and has been a Board member of numerous companies. Rajesh has management and engineering degrees and completed a scholarship program on Globalization and Leadership from London School of Economics.



**Alastair Neill**, P.Eng, MBA  
Director



**Denis Pilon**  
Director



**Rajesh Sharma**  
Director

## FINANCING

### Capital Structure

Common shares outstanding:	80,851,568
Warrants (\$0.40 expiry December 21, 2025)	4,319,000
Broker warrants:	
(\$0.25 expiry June 17, 2025)	125,000
(\$0.25 expiry December 21, 2025)	512,850
(\$0.30 expiry December 21, 2025)	339,275
	-----
Total fully diluted (As at January 11, 2024) :	<b>86,147,693</b>
(49% of the total outstanding shares are escrowed)	

**Cash: \$5.5 Million**



THE NEED FOR REEs

## High-Growth Sectors

[www.neoterrex.com](http://www.neoterrex.com)

## Military Equipment

Stealth Fighter Technology  
Radars, Sonars Guidance Systems  
Defense Electronic Warfare  
Vehicle and Body Armor

## Technology

Medical Tracers, X-Ray and MRI  
Advanced Robotics  
Satellite Communications  
Fibre Optics

## Green Energy

Wind Turbines  
Energy Saving Lightbulbs  
Fuel Cells and Batteries  
Efficient Air Conditioners

## Consumer Electronics

Smartphones & Digital Cameras  
LCD Displays & Hard Drives  
Speakers/Earphones  
Power Tools

## Transportation

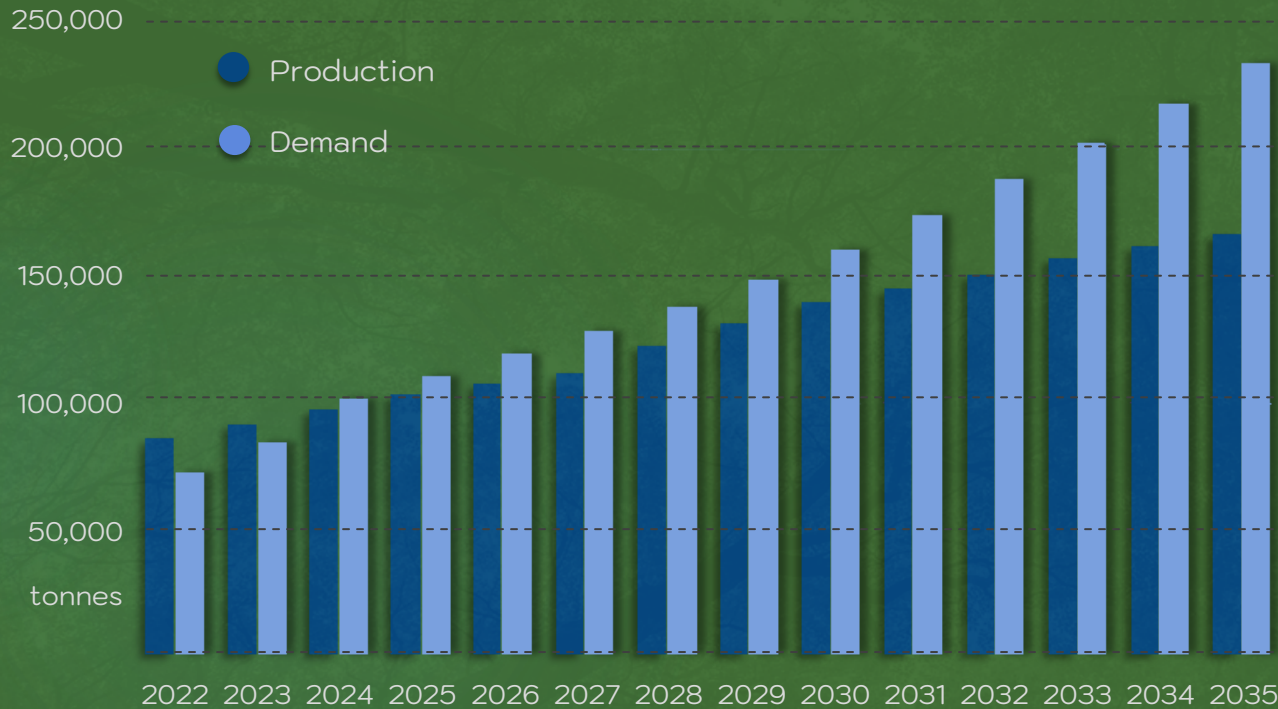
Electric Vehicles  
Catalysts & Diesel Additives  
Petroleum Refining  
Maglev Trains



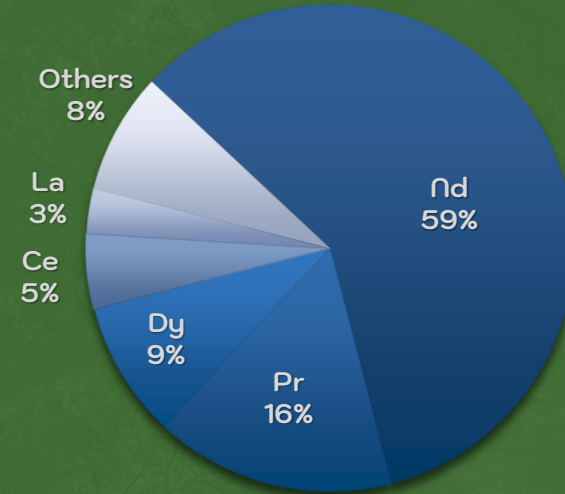
# RARE EARTHS DEMAND

## A rapidly growing metals market

World Neodymium Production and Demand Outlook



Source: Adamas Intelligence 2022



Share of total market value by element

\$US 2.2 Billion (Roskill 2019)

Fueled by the green energy and military equipment demand, rare earths prices are expected to continue rising over several years with projections showing a \$45.2 billion market by 2030 (8.3% annual growth rate)

Source: Adamas Intelligence 2022



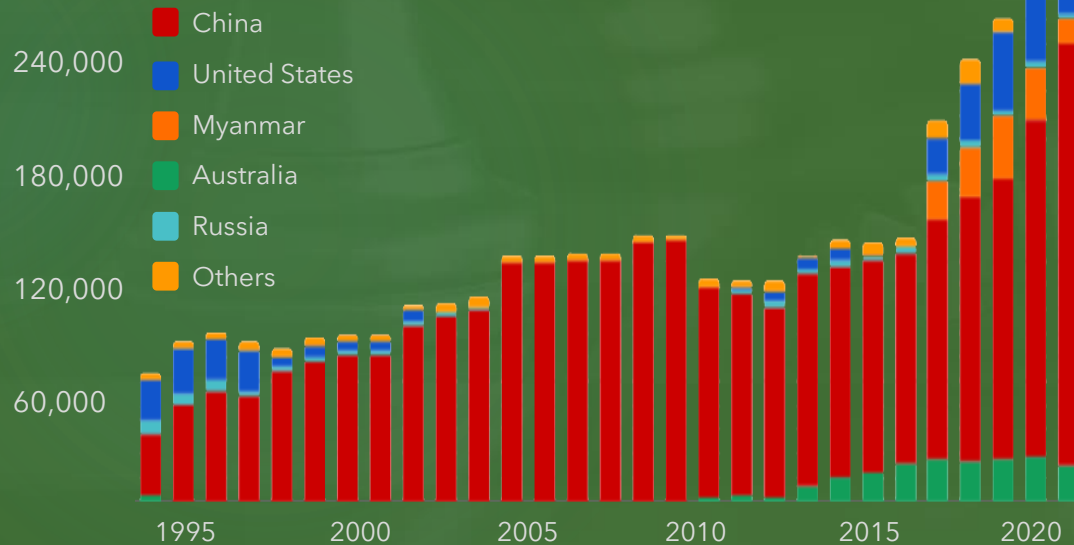
# RARE EARTH RESERVES

## Strategic Urgency

China which has a near monopoly on the rare earths industry, has used its exports as a geopolitical weapon in the past. This threat remains real, as it recently imposed similar restrictions on gallium and germanium, two other critical metals. (Source: Reuters)



**World Production in Metric Tons**



Source: USGS Data Compilation

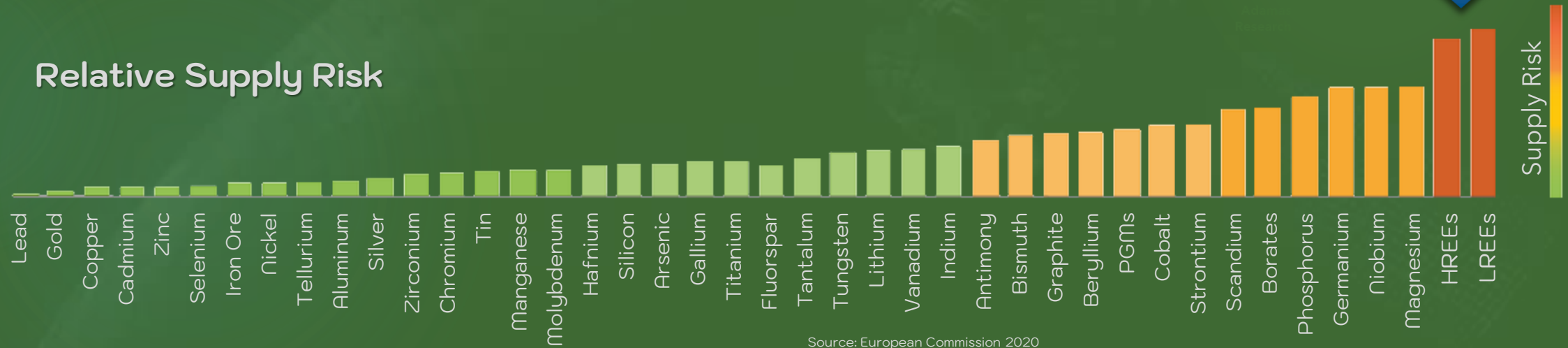
- North America currently has only one REE mine in production
- Some of Europe’s largest REE reserves are located in eastern Ukraine

# RARE EARTHS MARKET

## The Looming Supply Crisis

Due to their high demand in technologies relating to civil, military, and nuclear industries, rare earths are now among the most critically strategic minerals in the world and a leading issue in matters of national security and strategy, especially for the western world. In 2020, a study released by the European Commission identified Light Rare Earths Elements (LREE) as the most susceptible to supply disruptions, with Heavy Rare Earths Elements (HREE) a close second.

In response to this predicament, the Canadian and American governments have created several incentive programs to support exploration and develop new REE resources in North America



# NEOTERREX ASSETS

## Project Locations

- ▶ All projects located in the province of Quebec
  - ▶ Mining-friendly jurisdiction
  - ▶ Advantageous financial incentives
  - ▶ Bargain electricity
  - ▶ Well qualified labor force
  - ▶ In areas of existing infrastructure with good road access
- ▶ Low-cost exploration and development
- ▶ Projects focused on Rare Earth Elements

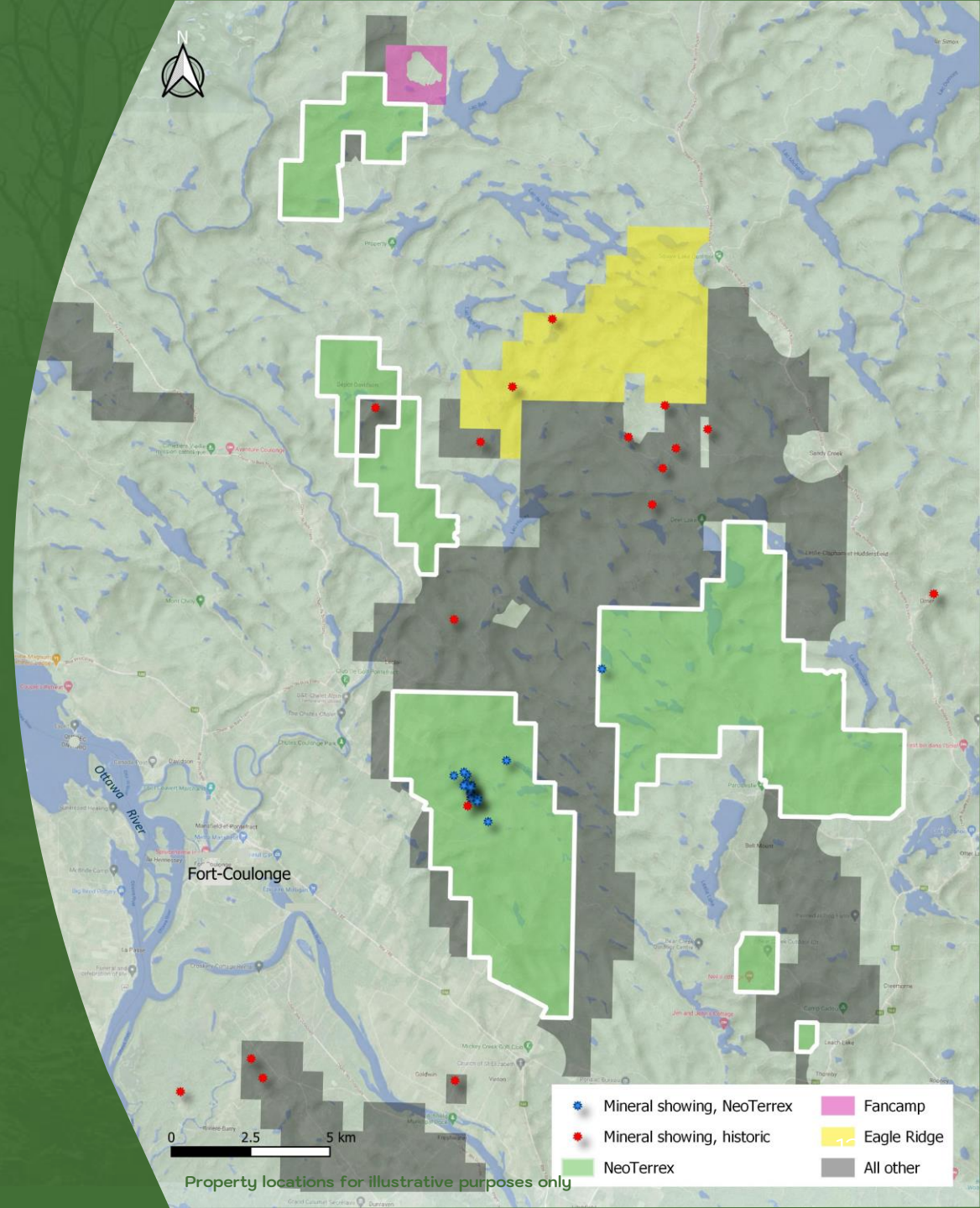




# MOUNT DISCOVERY PROJECT

## A New Rare Earths Discovery

- ▶ Agreement in place with surface rights holder
- ▶ Access roads established
- ▶ Over 20 new occurrences discovered since 2022
- ▶ Airborne geophysics completed
- ▶ Geological mapping uncovered favorable lithologies for REE
- ▶ Excavation work ongoing
- ▶ Successful initial surface sampling program

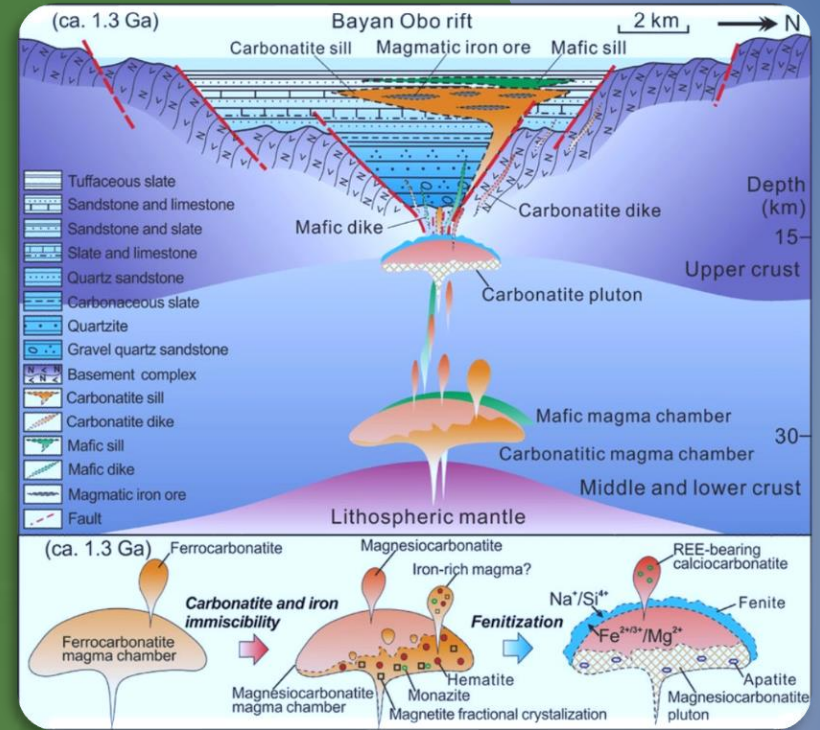




# MOUNT DISCOVERY PROJECT

## Favorable Geological Model

- Geological data indicates a rift-carbonatite system as the source of mineralization.
- Same theoretical model for the giant Bayan Obo mine in China, the largest known REE mine in the world.
- Other worldwide deposits with a similar genetic model include Mountain Pass in California, Maoniuping in China and many others.



Baotou Rare Earth Research Institute

Magnetite dykes containing anomalous values of heavy rare earths, Nb, Ta, V and Y have been identified next to REE showings. These magnetic formations may be helpful for future exploration.



Apatite-bearing Carbonatites and Fenites are present in numerous areas. These are relatively rare rocks and a key component of REE deposits.

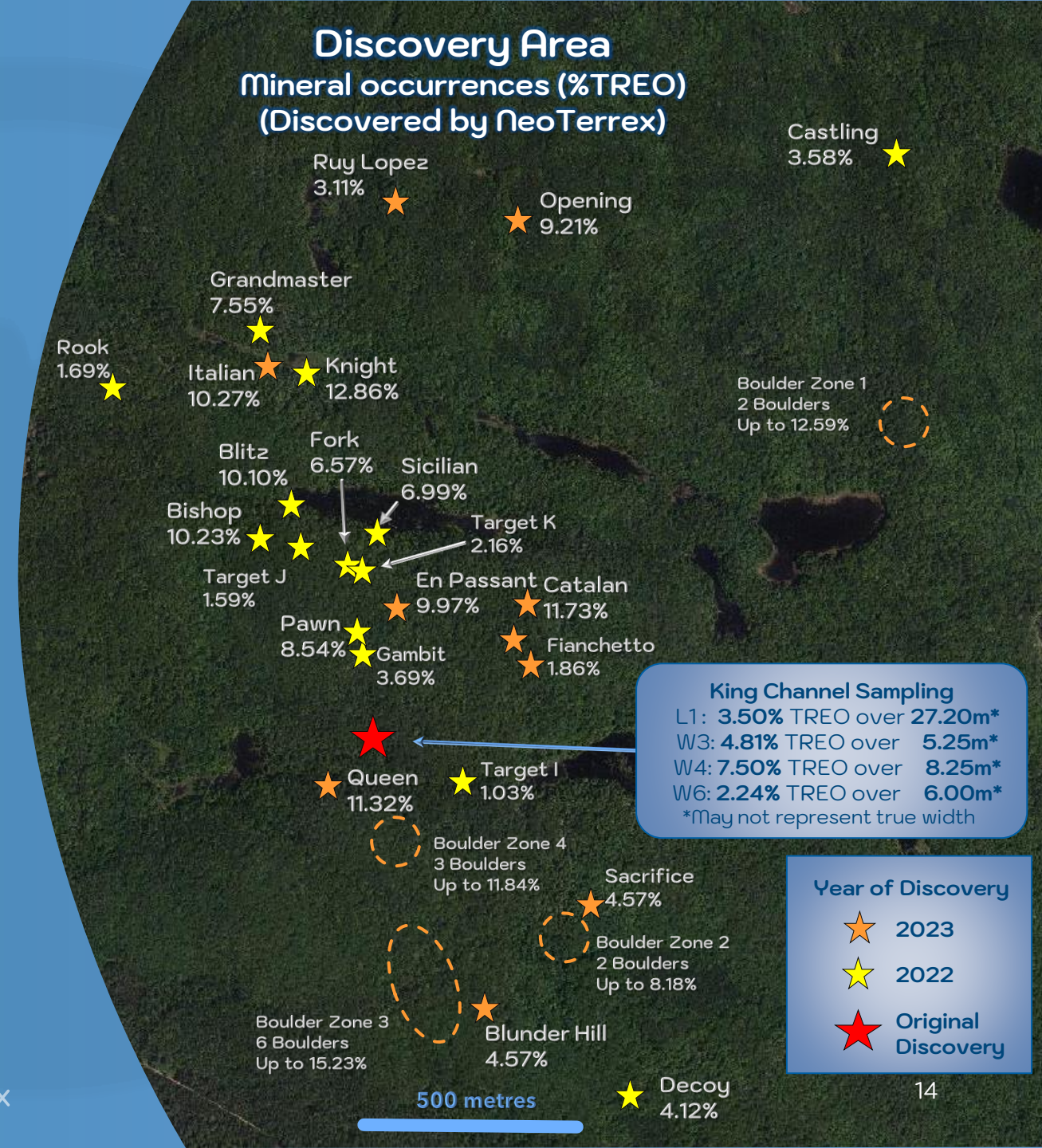




# MOUNT DISCOVERY PROJECT

## High Grade REE Results

- 24 REE occurrences discovered since 2021 by NeoTerrex, with most located within a 900m x 300m area, indicating a potential for a large mineralized system
- Among the **highest Neodymium** values in grab samples recorded in the province's database (Sigeom)
- Light REE form the majority of the mineralization, with predominate values of Nd, Pr, La and Ce
- Continuous mineralization with considerable lengths at King (See adjacent map for values)
- Limited exploration to date, potential to extend mineralization laterally and at depth





# MOUNT DISCOVERY PROJECT

## 2023 Program: Value Added

- ▶ Surface exploration resumed in April 2023, consisting of prospecting, geological mapping and sampling.
- ▶ Several new discoveries made by NeoTerrex with more expected based on visual observations.
- ▶ The goal of the program is to locate additional rare earth occurrences and delineate the current extent of the mineralized system.
- ▶ Excavation work by NeoTerrex resumed at several sites, including at the King showing to determine the breadth of the mineralized body.
- ▶ Exploration ongoing with numerous samples awaiting assaying.





# MOUNT DISCOVERY PROJECT

## NeoTerrex Exploration 2024

- Geological/structural mapping, prospecting
- Geological modeling
- Mineralogy studies
- Biogeochemical and stream sediment sampling
- Stripping with detailed mapping
- Channel sampling
- Airborne geophysics over extended property blocks
- 7,000m diamond drilling program



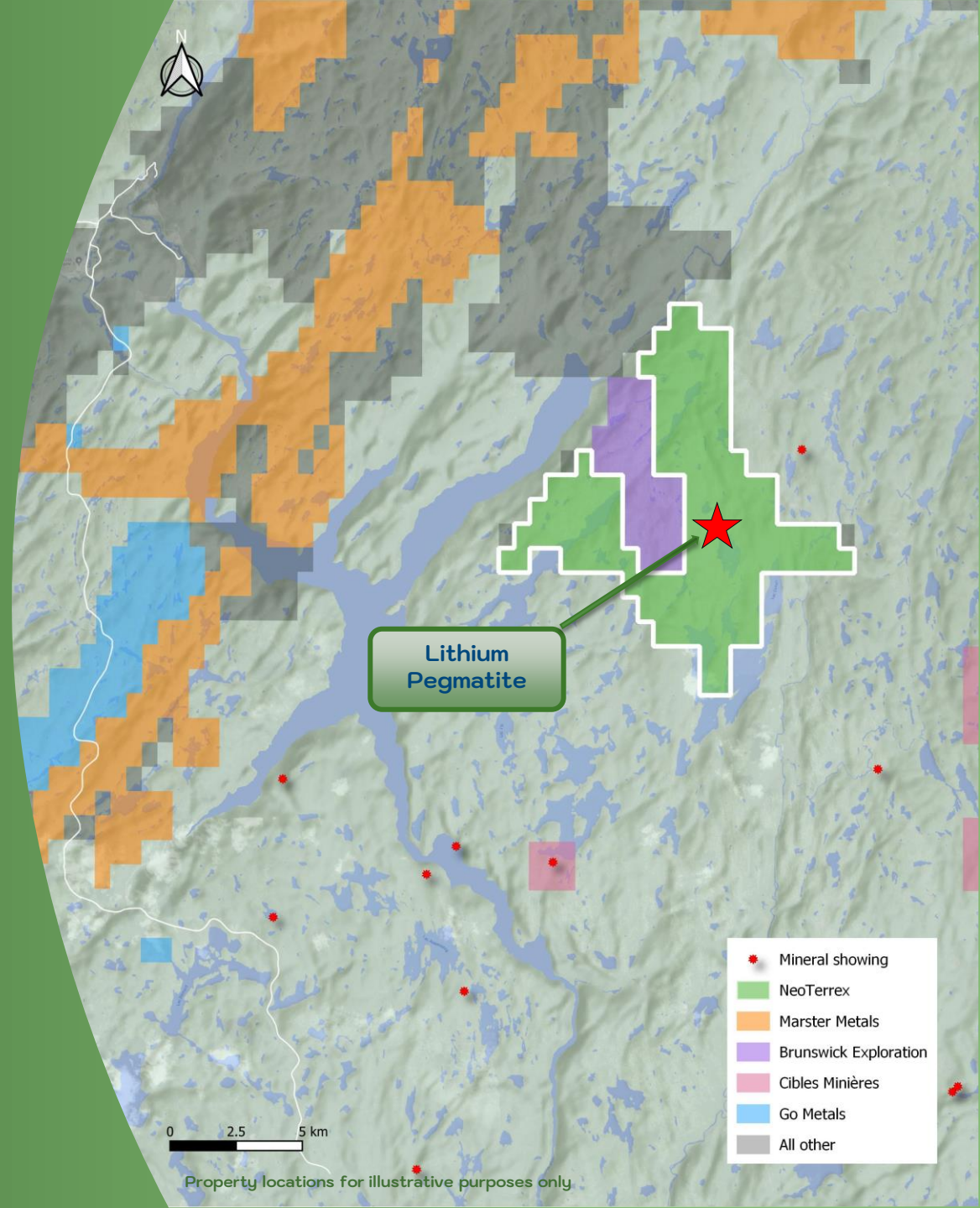


## ROMAN PROJECT

# Northwest Quebec

NeoTerrex holds potentially valuable land for critical metals in the new Roman exploration camp located northeastern Quebec.

- Property located in Cote-Nord, Quebec
- Highest recorded lithium value in a grab sample in entire region (300,000 km<sup>2</sup>) in government database
- Adjacent to lithium explorer Brunswick Exploration
- Prospective geology, with several known pegmatites
- Unexplored since 1997
- New road, camp and power with hydroelectric dam located within 30 kilometres
- Mining-friendly jurisdiction

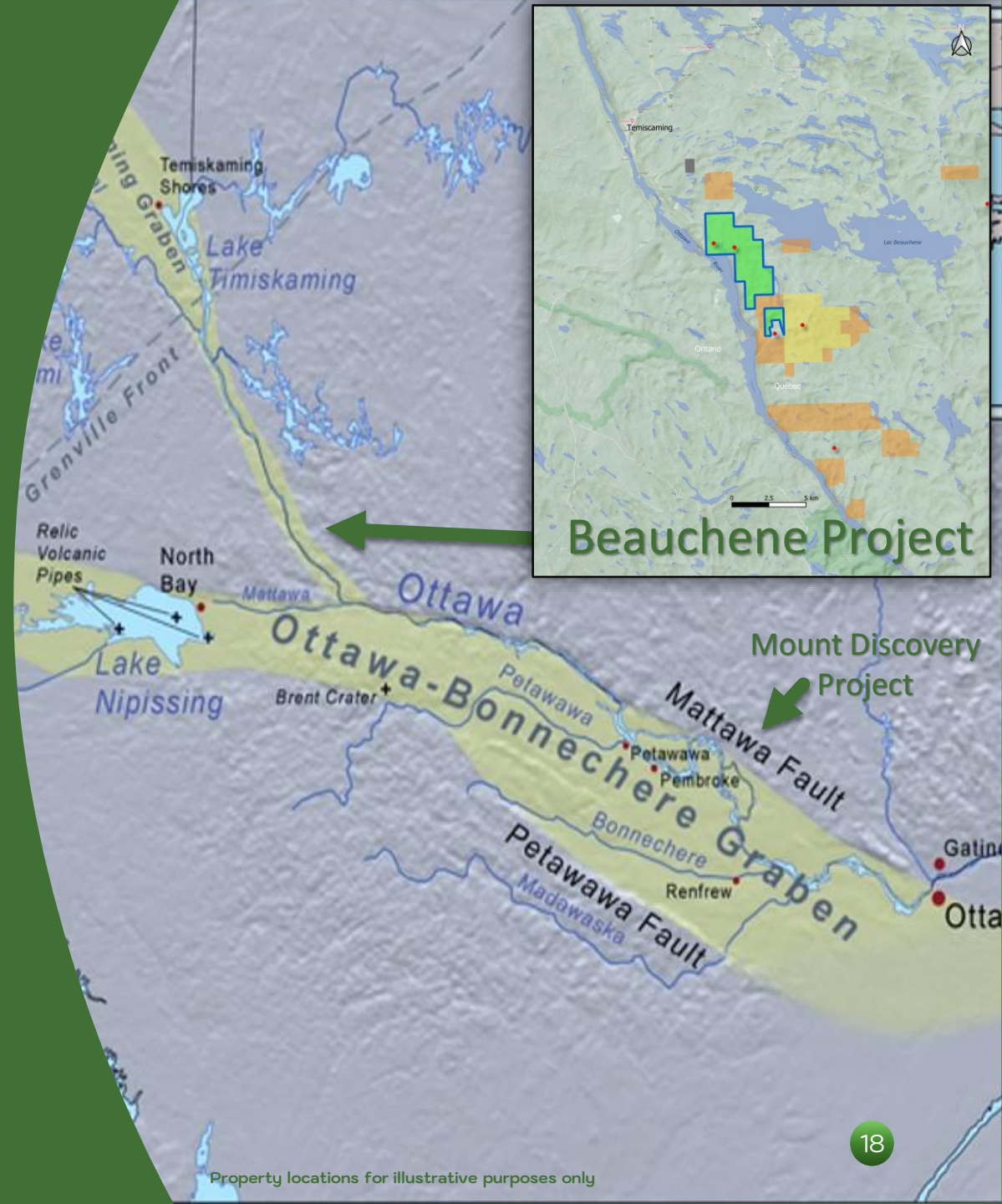




## BEAUCHENE PROJECT

# More Rare Earths Potential

- ▶ The Beauchene property was acquired in 2022 based on similarities with the geological model for the Mount Discovery.
- ▶ The project is located along the northern side of a major rift, an important geological feature associated with the mineralization at Mount Discovery.
- ▶ Government data indicates the presence of monazite, an important rare earths mineral. No assay values are reported.
- ▶ The property is located near infrastructure with a road, a railway and a powerline all crossing it.



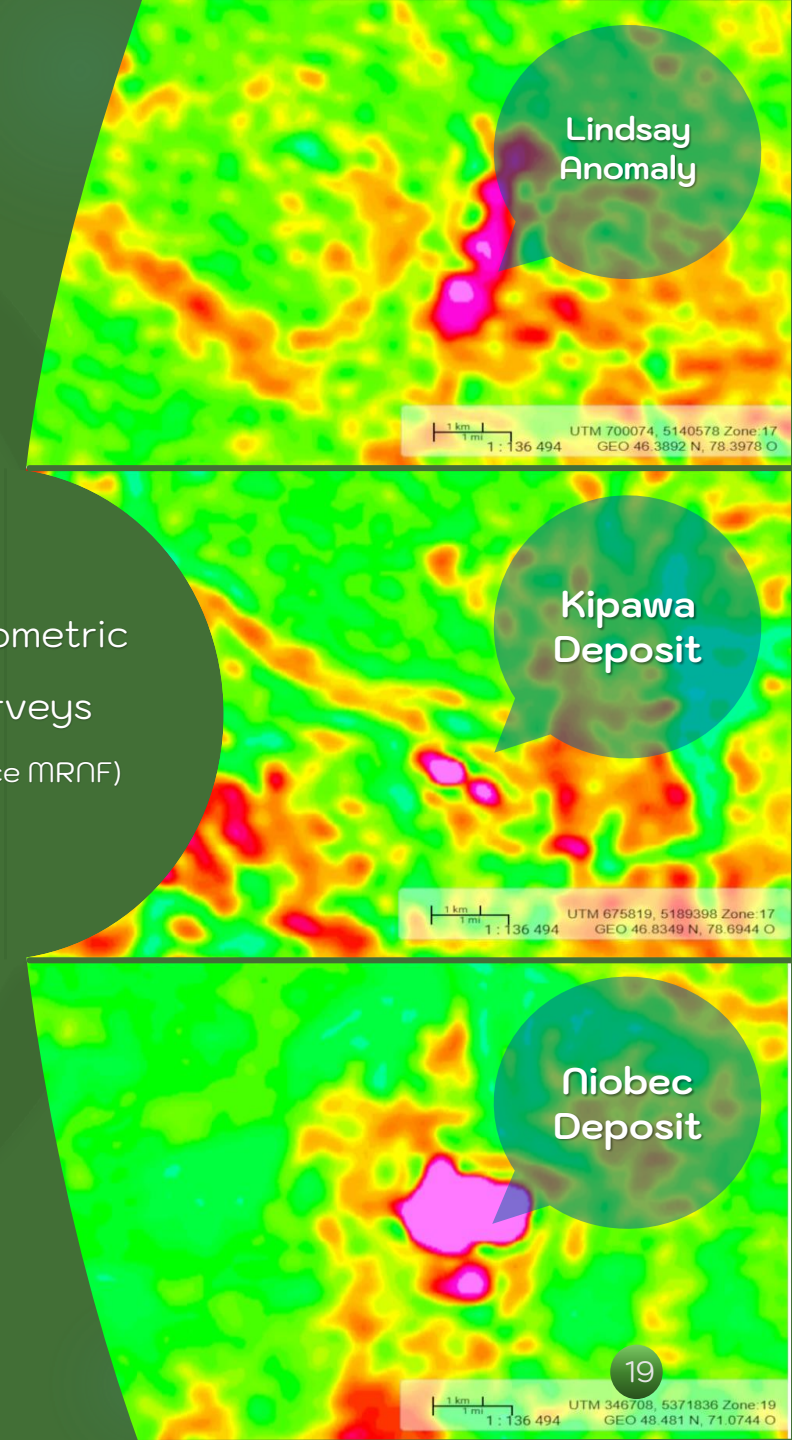
# LINDSAY PROJECT

## 2023 Program: Value Added

- Property located in Abitibi-Temiscamingue, in southwest Quebec and 32 kilometres from the town of Mattawa, Ontario.
- Large radiometric unexplained anomaly detected by a 2020 government regional survey.
- The anomaly is similar in strength and shape to well known rare earths deposits like Kipawa and Niobec.
- Exploration limited to a 1973 government surveyed. Monazite, a rare earth bearing mineral, reported within a weakly radioactive schists.
- Property crossed by a major fault
- Property accessible by road with camps located nearby.
- A maiden exploration program consisting of reconnaissance, prospecting and geological mapping was initiated in August 2023.



Radiometric  
Surveys  
(Source MRNF)





## CRITICAL METALS FOR NORTH AMERICA

### Why NeoTerrex

- ▶ Rare Earth Elements in Quebec
- ▶ Essential components for green energy
- ▶ Strategic metals vital to military equipment and technology
- ▶ Successful maiden exploration program demonstrating a potential for resources based on grades and widths encountered
- ▶ Properties easily accessible and located near key infrastructure
- ▶ Increasing financial and operational government support
- ▶ Drilling March 2024



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RARE EARTHS FOR TOMORROW

For More Information



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