

Developing Critical Resources for the Green Economy

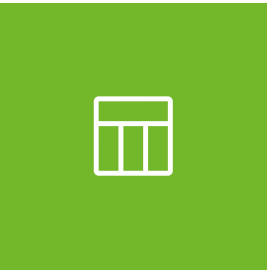
[www.etech-resources.com](http://www.etech-resources.com)



RARE EARTH ELEMENTS IN NAMIBIA

# Company Presentation

NOVEMBER 2023 | SUMMARY



TSXV: REE | FSE: K2i

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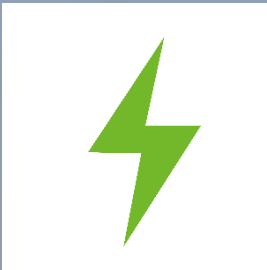
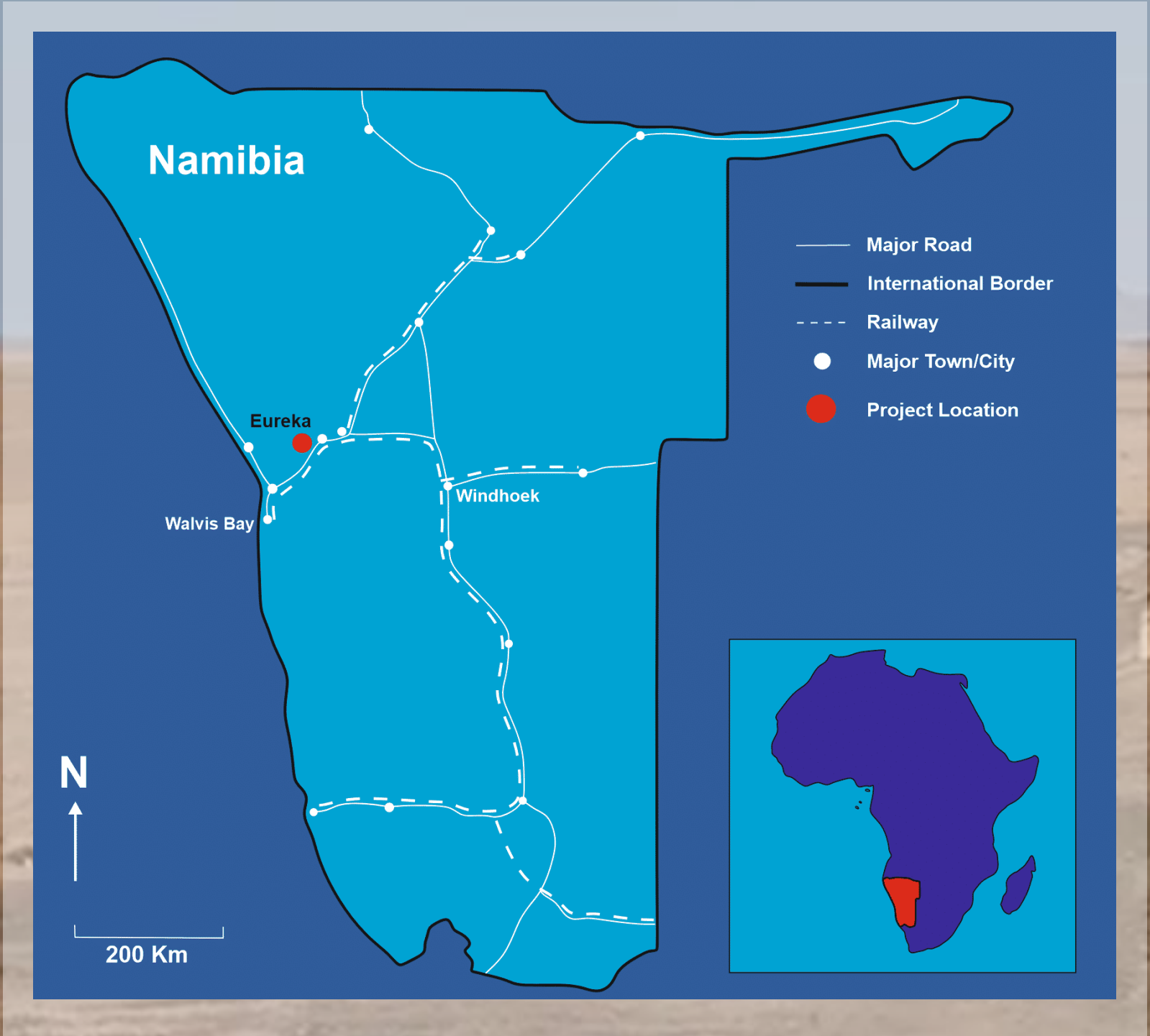
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## Technical Disclaimer

The technical and scientific information in this presentation has been reviewed and approved by Pete Siegfried, BSc. (Hons), M.Sc., who is a Consulting Geologist and a director of GeoAfrica Prospecting Services cc and has reviewed and approved the scientific and technical information in this presentation. Mr. Siegfried is a member of The Australasian Institute of Mining and Metallurgy (AusIMM) membership number: 221116 (CP Geology), and a Qualified Person for the purposes of National Instrument 43-101. Mr. Siegfried consents to the inclusion of this information for the presentation.

# Eureka Rare Earth Element Project

- Located in the Erongo Mining Corridor of Namibia
- Namibia is a top tier country for mining and is one of Africa's most stable countries



## QUICK PROJECT STATISTICS AND DATA



### TOPOGRAPHY

FLAT & SPARSELY POPULATED



2KM

TO B2 HIGHWAY

Tarmac roads are kept in good condition



10KM

TO RAILWAY

Railway to Walvis Bay runs parallel to B2 Arterial Road



140KM

TO WALVIS BAY CONTAINER PORT

Namibia's largest commercial port



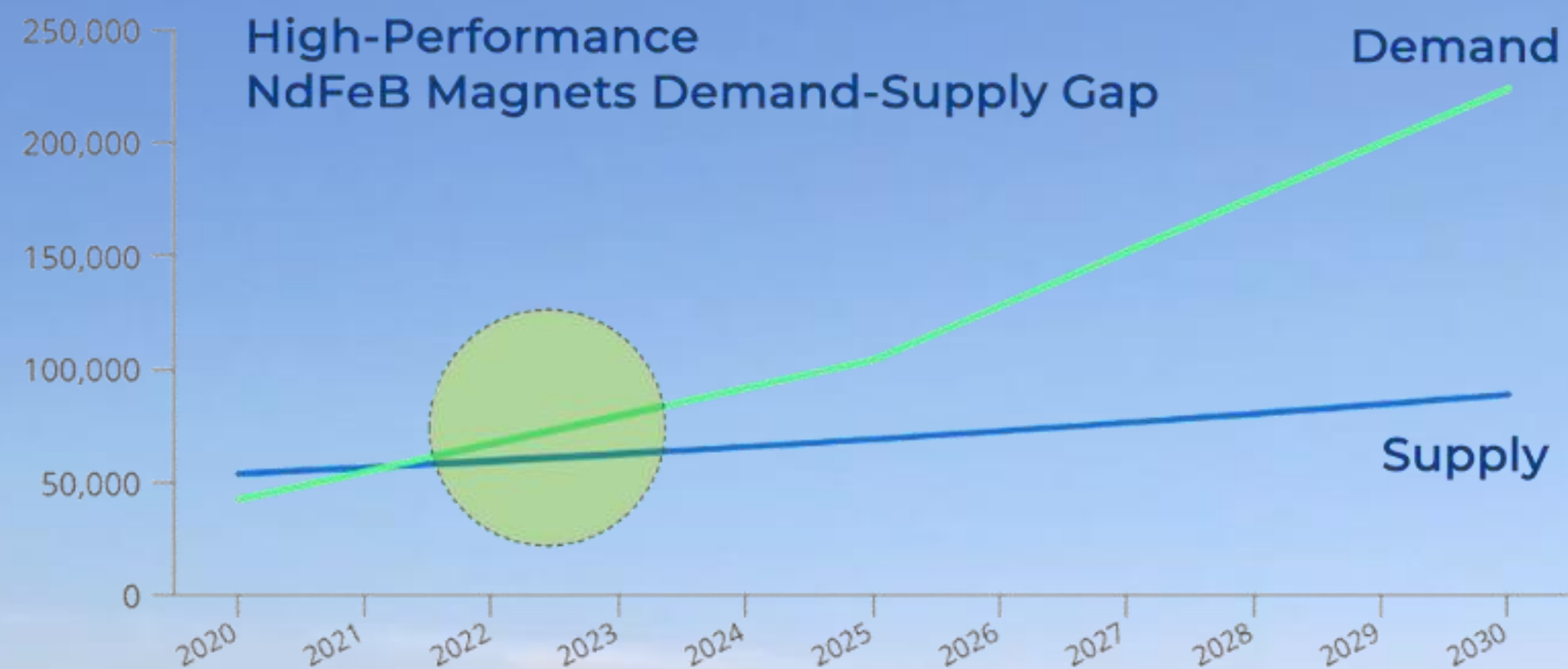
POWER

ACCESS TO ELECTRICITY



WATER

ACCESS TO WATER



Source: Argus Media 2022

Focus on  
Critical Rare Earth Elements

**Nd & Pr**  
Neodymium      Praseodymium

# Board & Management Team



**TODD BURLINGAME**  
CEO | CANADA

Todd is a mining executive with 30+ years of resource development experienced including Canadian rare earth element projects. He has been successful in advancing large scale projects by innovation and ESG best practices.



**ROB RANDALL**  
CFO | CANADA

A contract CFO for a number of public companies including Torrent Capital, Antler Gold and Sona Nanotech. Rob has extensive financial experience working within many African countries overseeing all financial aspects of resource exploration and production activities.



**JIM MEGANN**  
CHAIR | CANADA

Jim is Managing Director of Numus Financial a Director of Torrent Capital, a publicly traded investment issuer; Director of OARO; and a Director of Sona Nanotech and brings extensive capital markets experience



**KEN MARSHALL**  
DIRECTOR | CANADA

Extensive experience in the Information Technology and Telecommunications Sectors, having served in various positions at Rogers Communications throughout his career.



**JOHN PHILPOTT**  
DIRECTOR | CANADA

Founder and CEO of CanAm Physician Recruiting Inc. CanAm has been the leading physician recruitment and placement company in the Canadian and international markets for more than two decades.



**CHRIS DRYSDALE**  
DIRECTOR | NAMIBIA

Experienced professional with international experience in the mineral and exploration industry. Currently serves as CEO for Antler Gold Inc.



**PROF FRANCES WALL**  
DIRECTOR | UK

Professor of Applied Mineralogy at Camborne School of Mines, University of Exeter. 30+ yrs experience researching the geology and process mineralogy of global rare earth deposits and practically linking exploration stage studies to responsible sourcing outcomes. Chair of the British Geological Survey Science Advisory Committee. Member of the UK Critical Minerals Expert Committee.

Experienced Leadership and Management

# Exploration Team

- In-country team
- Local employees
- Environmental and HSE compliance



**DENNIS BILLE**  
SENIOR GEOLOGIST



**SENSIKUS ANGULA**  
GEOLOGIST



**ERASTUS IIYAMBO**  
GEOLOGIST



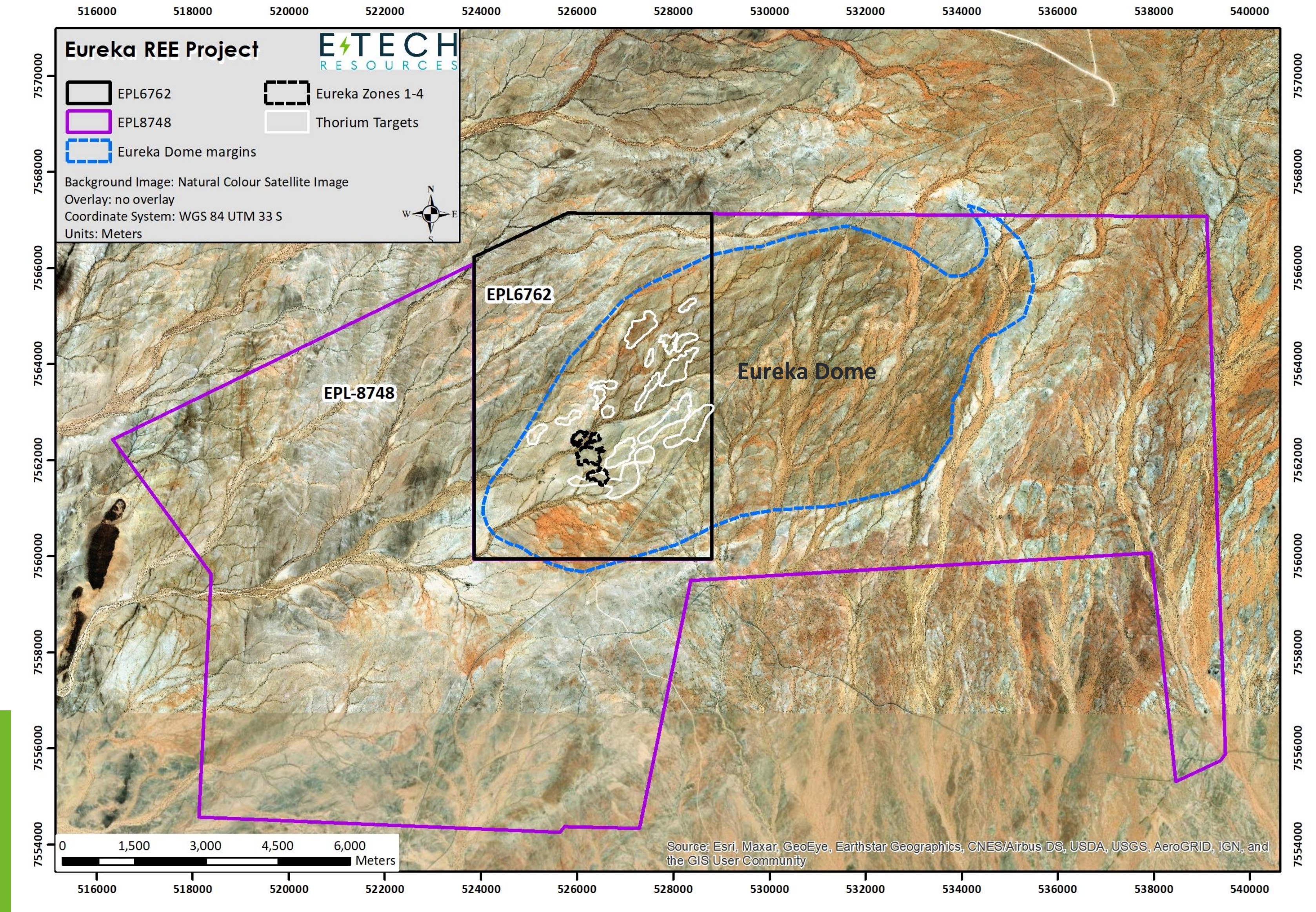
**TUWILIKA NGHIPALENDJILA**  
JUNIOR GEOLOGIST



# EPL 6762 & EPL 8748 New acquisition

- Increased land position by **>200%**
- Along strike of EPL 6762 mineralization
- Multiple strong geophysical signatures similar to EPL6762 discovery zones

Total area of "Eureka Dome" = **7,850** FIFA Football Fields  
~56km<sup>2</sup>



EPL 6762

Original

Total Area of EPL 6762	Area (Zone 1-4)	Dome Area (~1/3)
3,474 ha* (34,737,800 m2)**	~1 km2	~20.7 km2

Mar , 2023

NR: E-TECH RESOURCES  
EXPANDS  
LANDHOLDINGS AT THE  
EUREKA PROJECT

EPL 8748

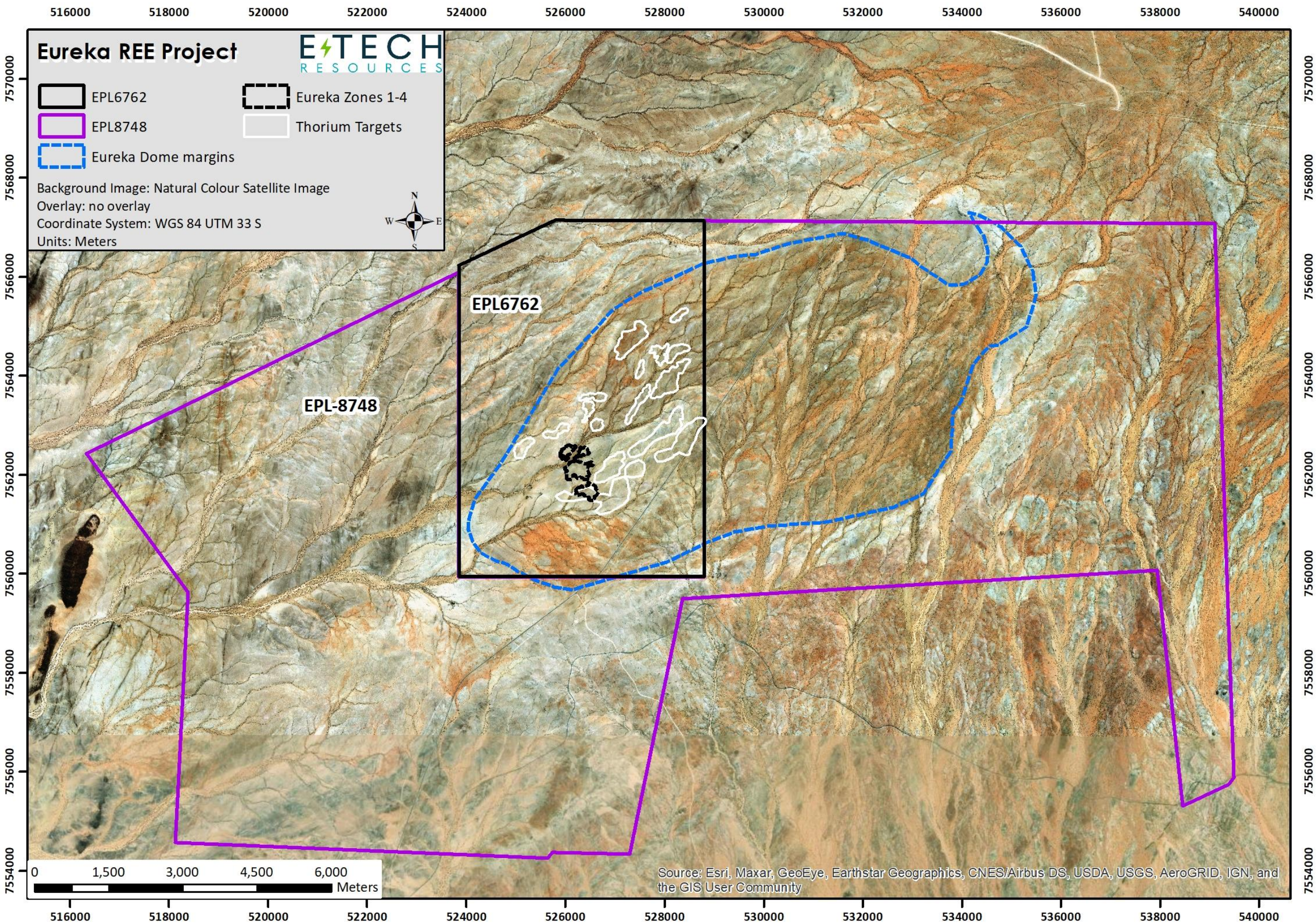
Newly  
Acquired

Total Area of EPL 8748	Dome Area (~2/3)
16,520 ha* (165,200,000 m2)**	35.3 km2

COMBINED

Total Area of EPL 6762 & 8748	Total Area of the Eureka Dome
19,994 ha* (199,940,000 m2)**	~ 56km2

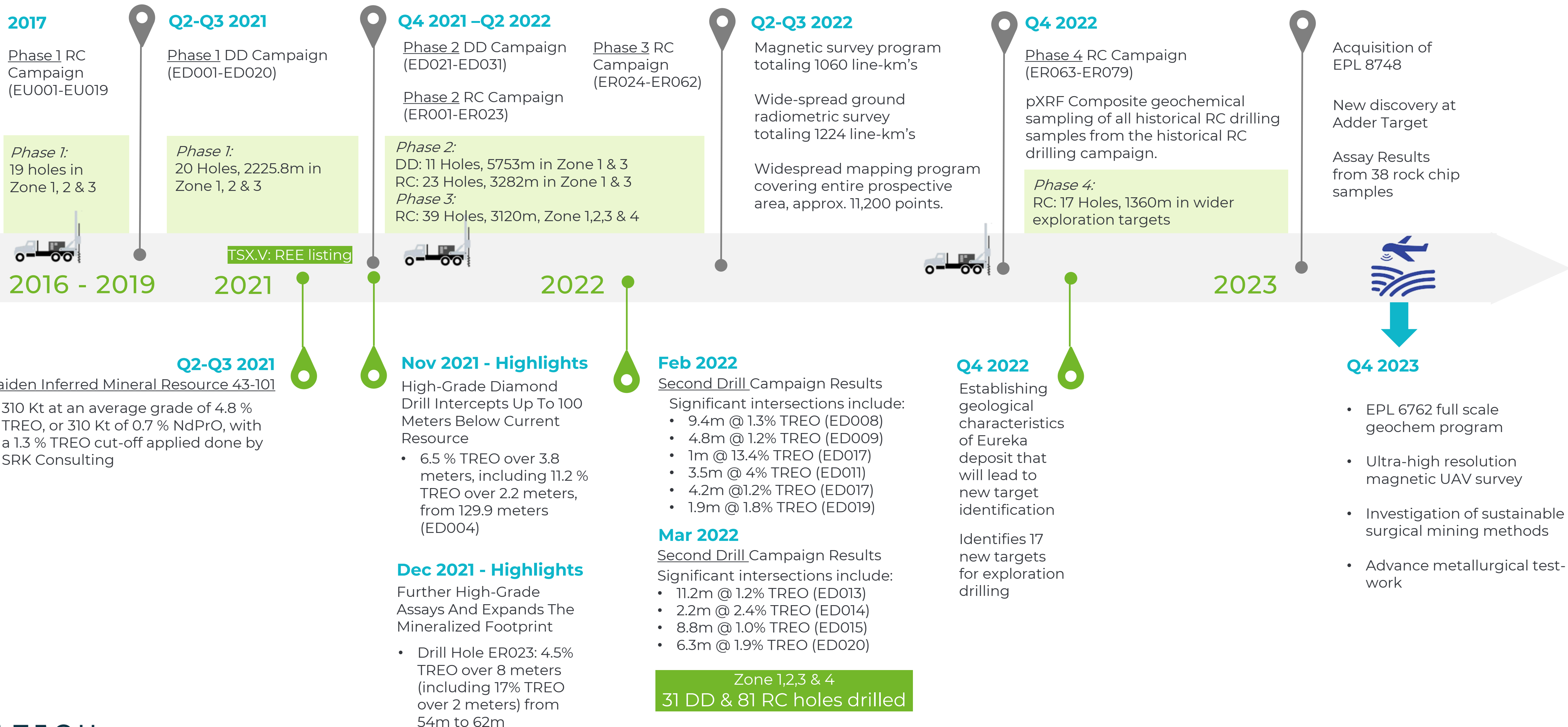
\* Rounded to nearest 1 | \*\* Rounded to nearest 100



# Exploration Activities

## Legend:

DD – Diamond Drilling  
RC – Reverse Circulation



The shift towards a **clean energy future** and the increasing demand for **critical minerals** require **innovative technologies** to find and extract these minerals **efficiently and responsibly**

# FOUR PILLARS

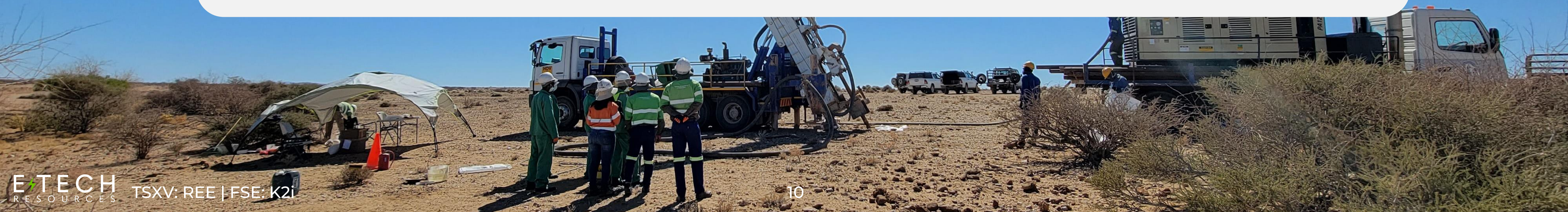
- Pursuing four key areas
- Building on past success
- Underpinned by innovation, sustainability and value creation
- Bigger picture approach

01  
EXPLORATION

02  
RESOURCE

03  
METALLURGY

04  
SUSTAINABILITY



# 01 Exploration

NR: E-Tech Resources Inc. Ramps up Exploration Activities and Engages Gecko Namibia and Flightec Namibia

16 October 2023

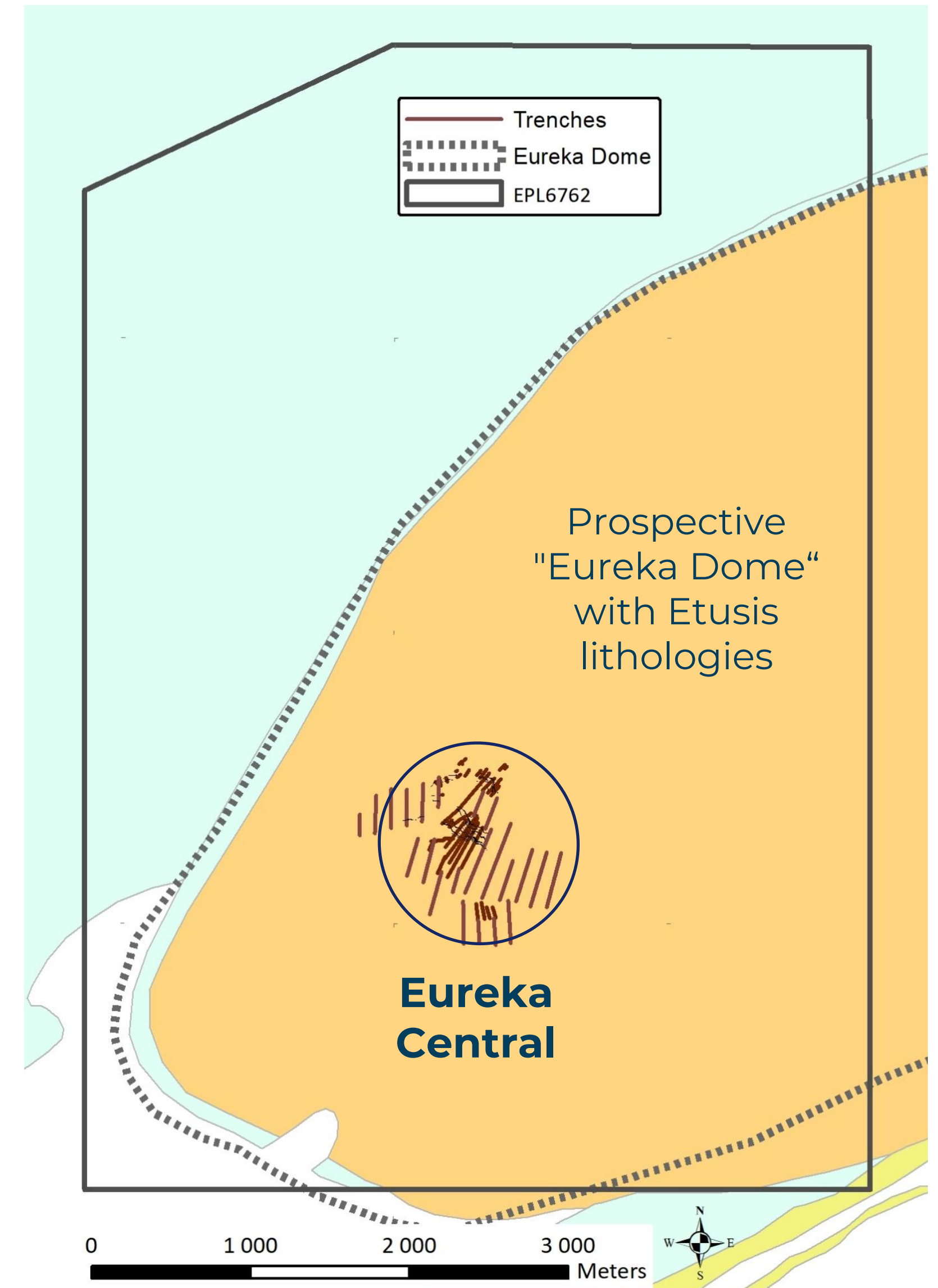
- Validation of concepts and exploration approach
- Engagement of Gecko Exploration: Highly experienced, efficient, proven track record in rare earth exploration
- Focus on economic mineralization and the bigger picture
- Outcome driven, operational safety and efficiency-lead
- Systematic soil survey programs
- State of the art technology: High-resolution UAV mag survey



# 01 Exploration

## EUREKA DOME

- Exploration with trenching and drilling focused on Eureka Central surrounding the historic discovery outcrops
- Eureka Central hosts the 2021 Mineral Resource Estimate
- Mapping, geophysical and soil geochemical surveys revealed rare earth mineralization throughout the Eureka Dome (orange area) on EPL 6762

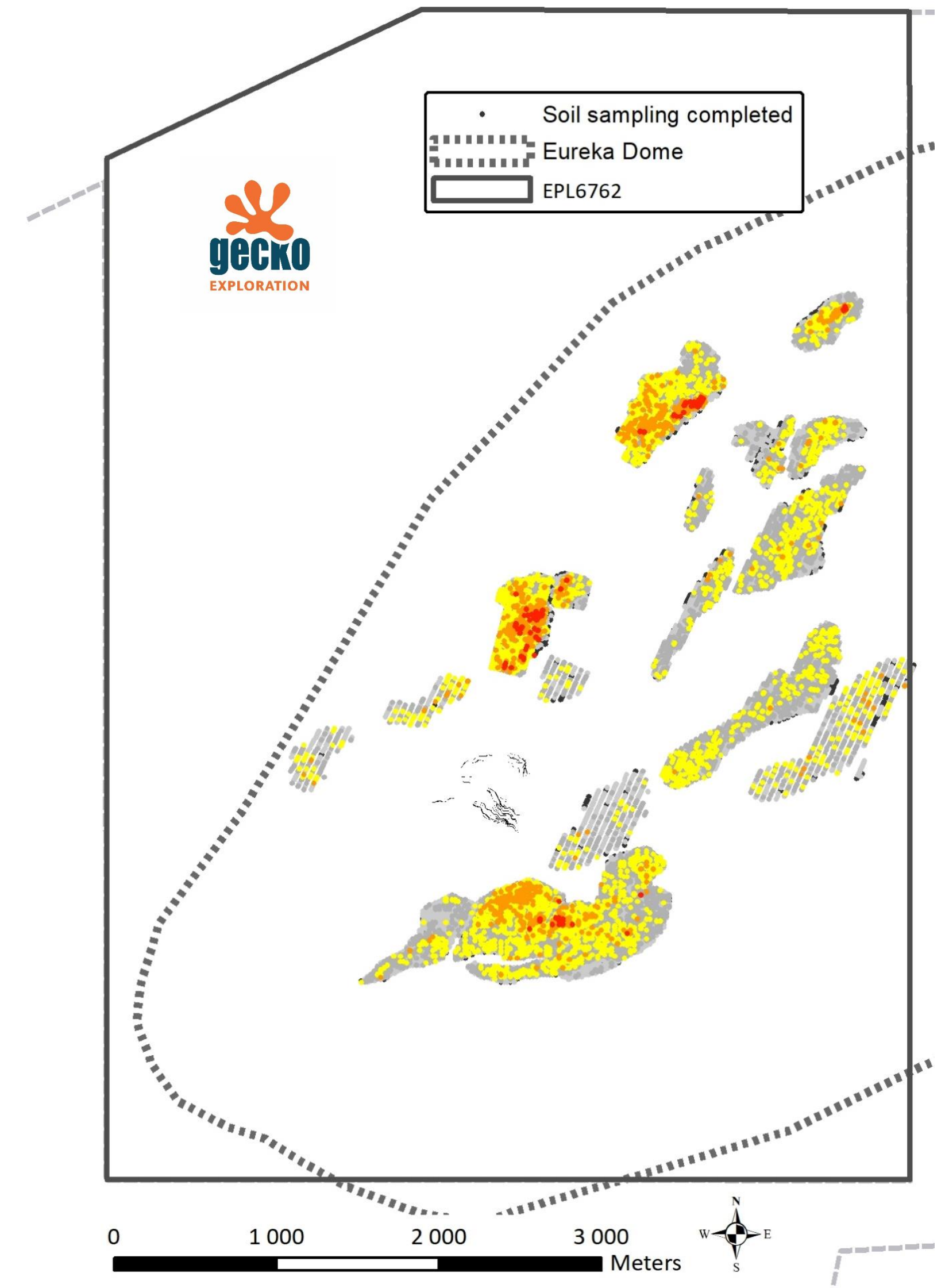


Simplified geological map with Eureka deposit on EPL 6762

# 01 Exploration

## GEOCHEMICAL SOIL SURVEYS

- Initial targeting of similar scale occurrences
- High density soil sample surveys
- Focused on monazite "proxy mineral" anomalies (thorium and lanthanum)
- Several new targets have been identified



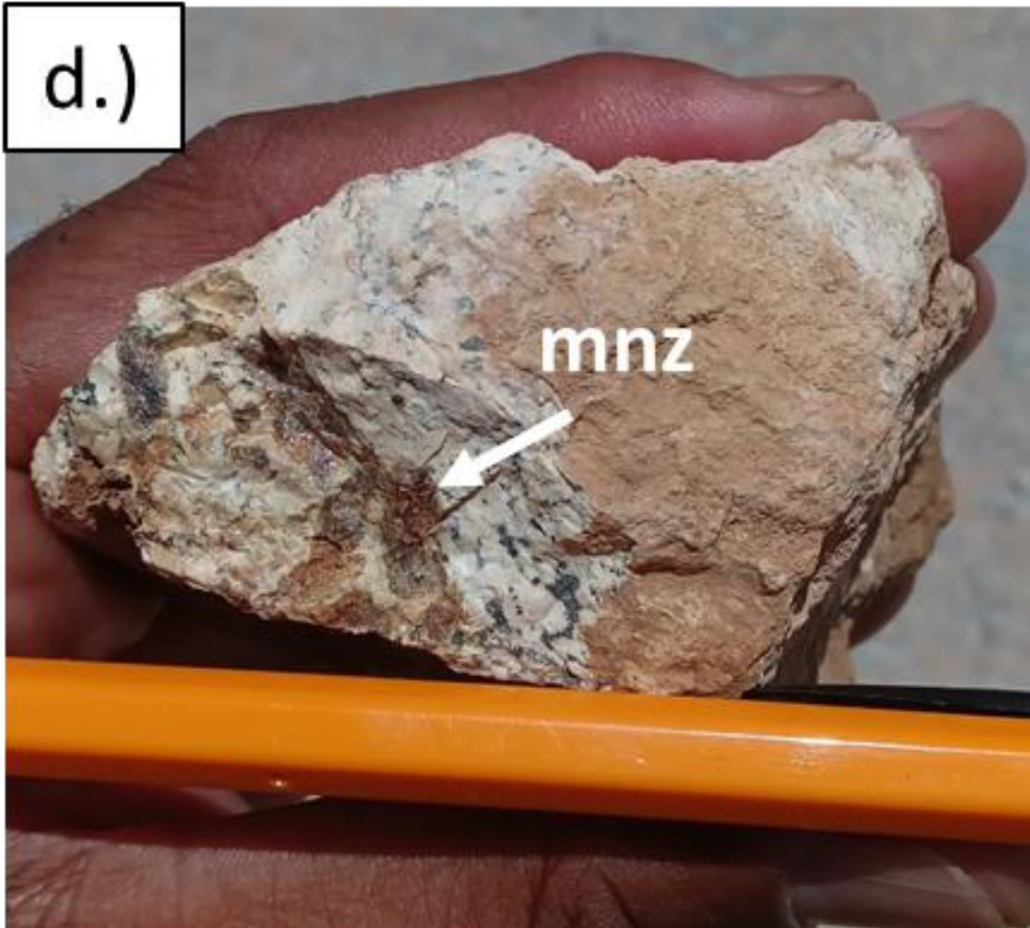
Lanthanum anomalies in soil

# 01 Exploration

## SAMPLING WITH PXRF

The pXRF instrument allows E-Tech to conduct a continuous results-driven and streamlined exploration project at a fraction of the cost.

The pXRF is a **significant exploration tool** and will allow the company to conduct “live” analysis of all its samples, allow us to build continues elemental composition data sets and it will ultimately lead to a massive cost reduction caused by lengthy sample result delays.



In the field to **ground truth and guide** our ongoing exploration campaigns



Allow for continuous down hole sampling and building robust data sets – **more data = better understanding = discovery potential.**



**pXRF allows for sampling of all historical exploration samples** that may not have been sent for assay originally – potential to identify previously missed opportunities.

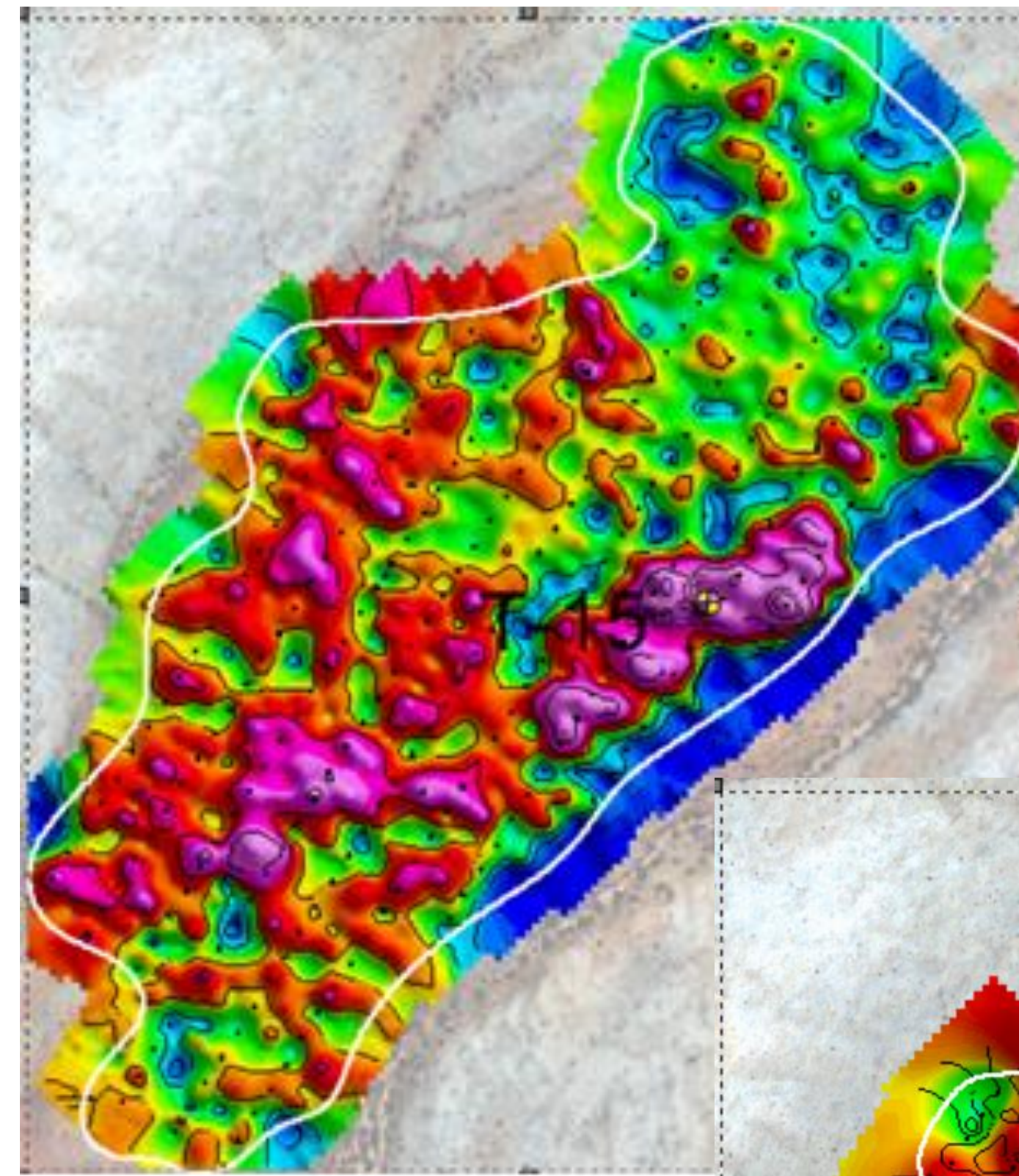


May 29, 2023  
**NR: E-Tech Resources Inc.  
Announces New Discovery at  
Adder Target**

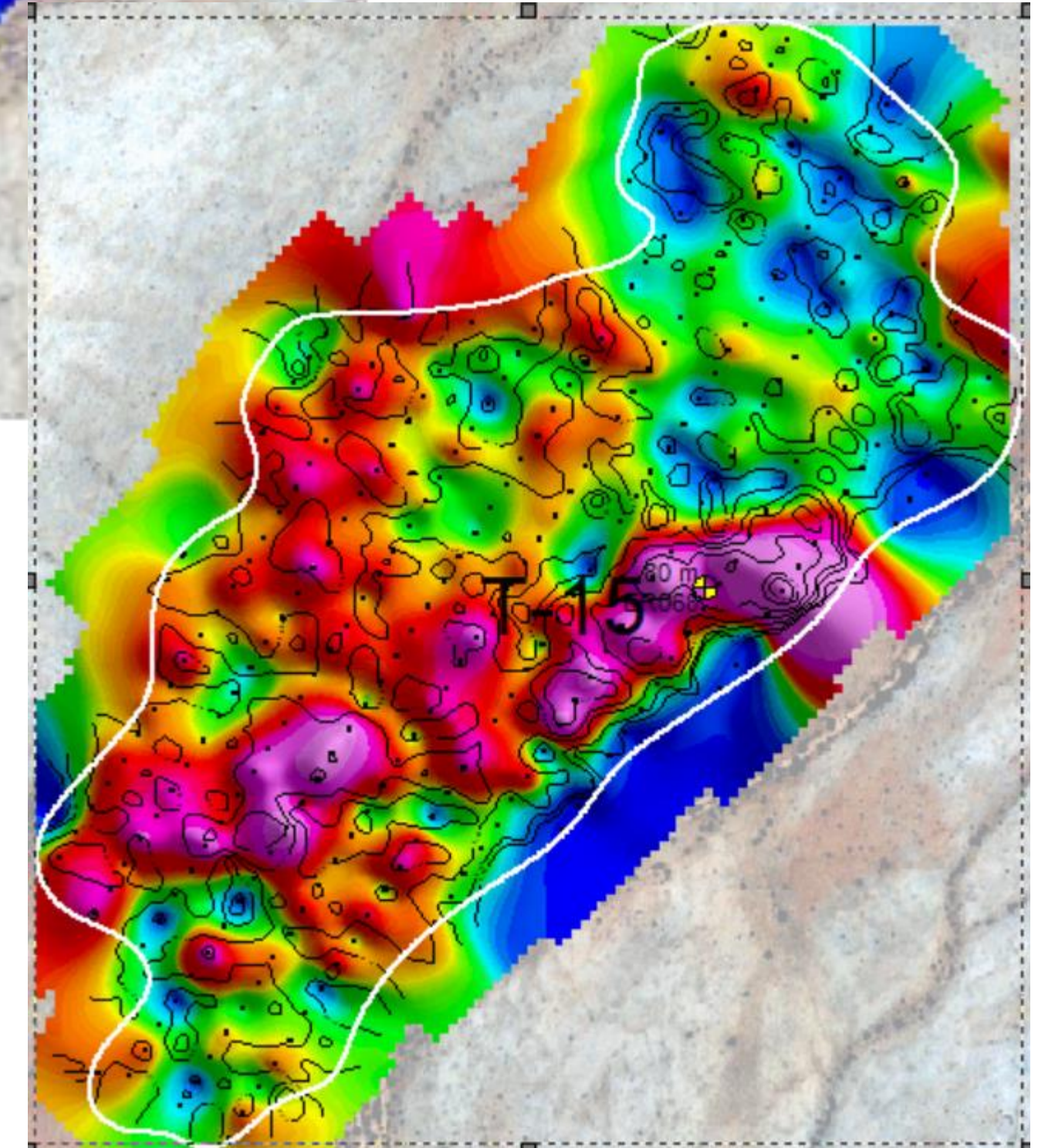
# 01 Exploration

## PROGRAM OPTIMIZATION

- August review of soil sample grid spacing
- Findings: *"we can still pickup an anomaly with a wider grid. Once the anomaly has been identified, narrower infill analysis can be done..."*
- Increased grid spacing from 10X20 meters to 20X40 meters
- Broader scale Geochem survey programs are now achievable



10X20 Meter grid spacing

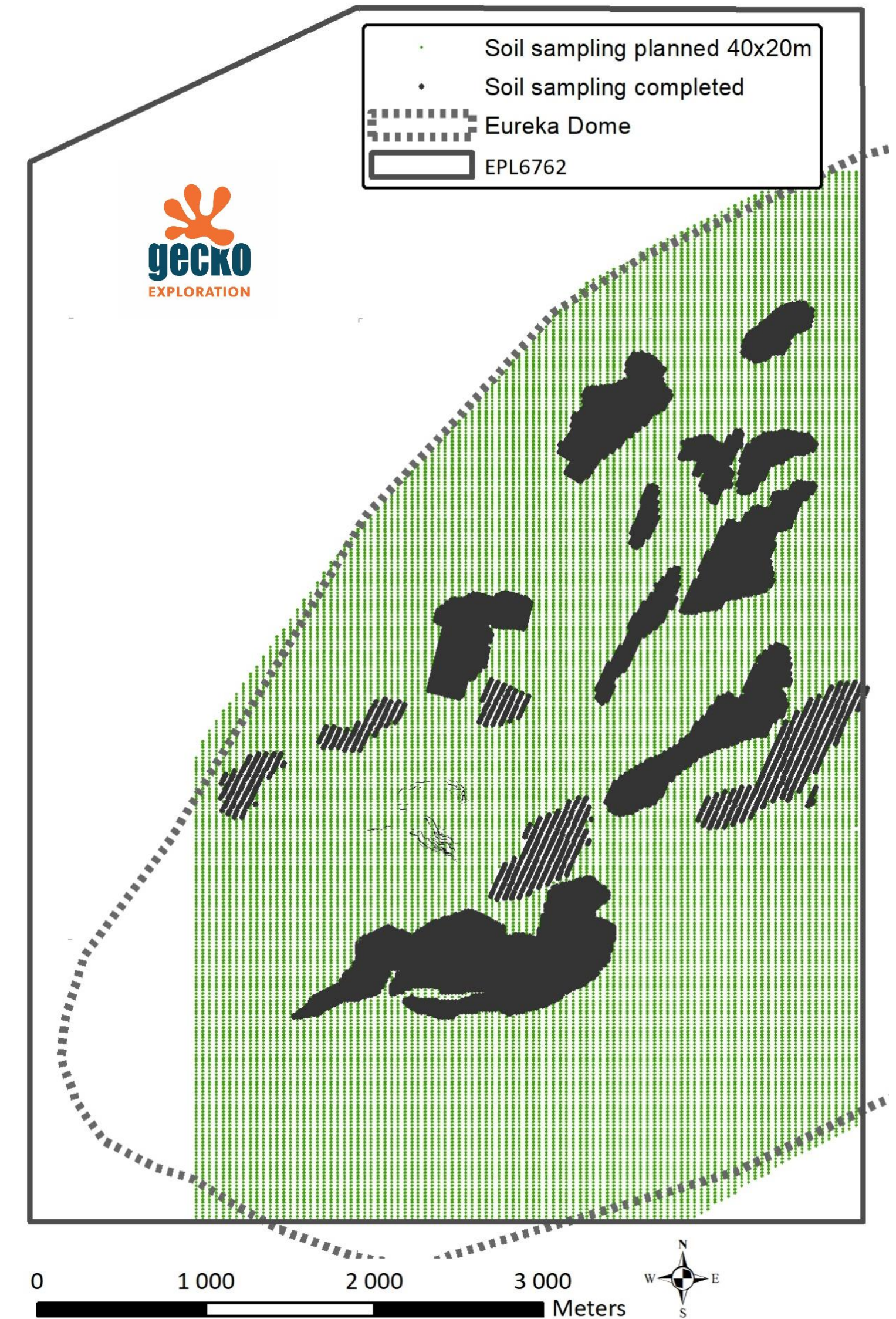


20X40 Meter grid spacing

# 01 Exploration

## Q4 2023 GEOCHEMICAL SOIL SURVEYS

- New approach, bigger picture, increased technical expertise with Gecko
- Systematic soil survey covering EPL 6762 portion of the Eureka Dome (about 21,000 additional soil samples)
- Optimized sampling logistics quadrupling the capacity of the field team
- Very limited budget implications
- Completion of survey targeted before Christmas 2023
- Interpretation of regional scale data will increase potential for further discoveries

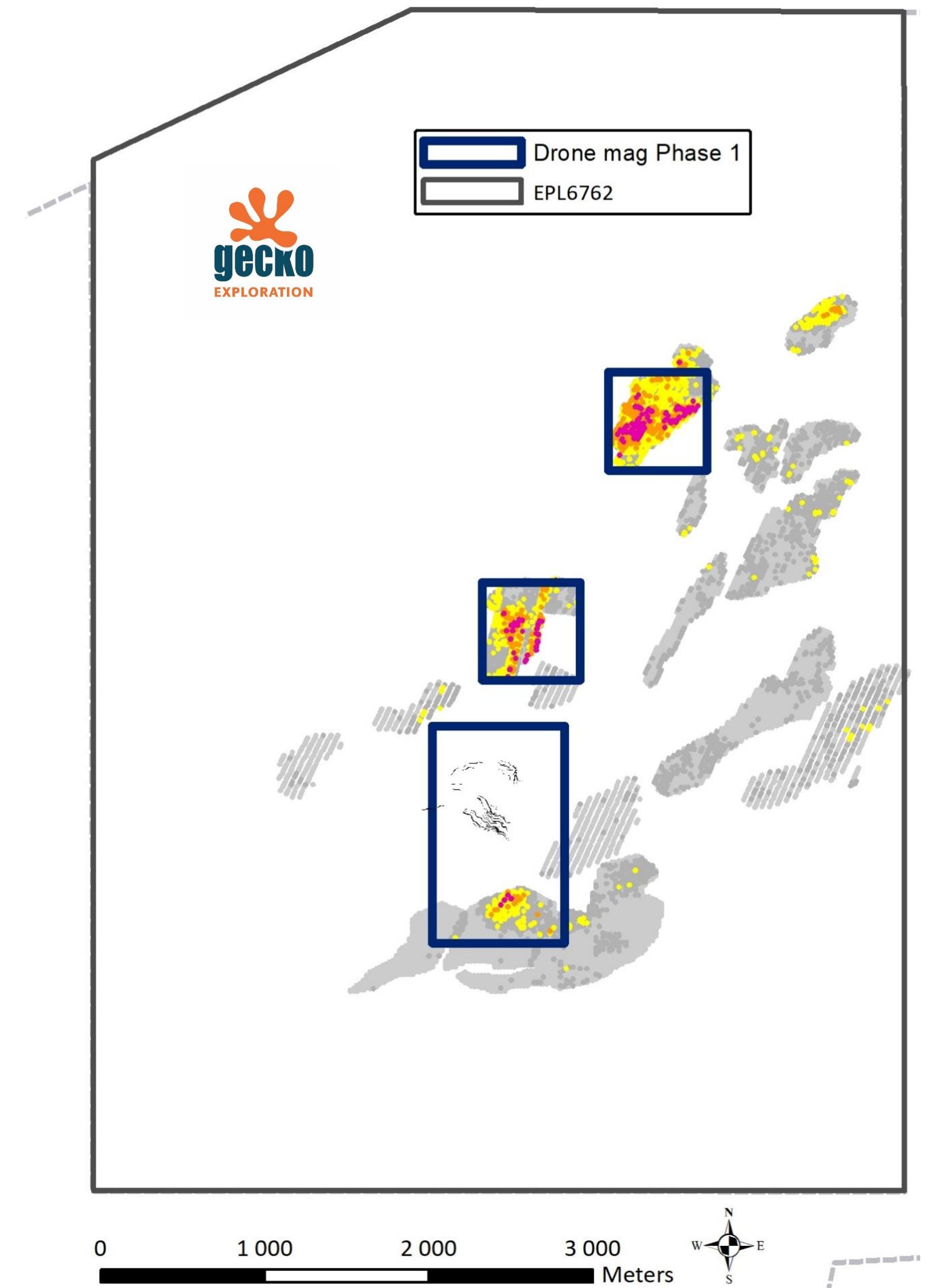


Planned soil survey (green) and existing sample points (black)

# 01 Exploration

## HIGH-RESOLUTION UAV MAGNETIC SURVEY

- E-Tech is finalizing an agreement with Flightec Systems to conduct high-resolution, UAV-based magnetic surveys
- Flightec is a Namibian company specialised in UAV surveys
- State-of-the-art equipment, strong international technological development and data processing team
- Phase 1 magnetic surveys over Eureka Central and the new prospects T9 and T15 to test targeting methods
- Phase 1 surveys are expected to be completed by October 2023
- Data interpretation ready for drill planning by end of 2023

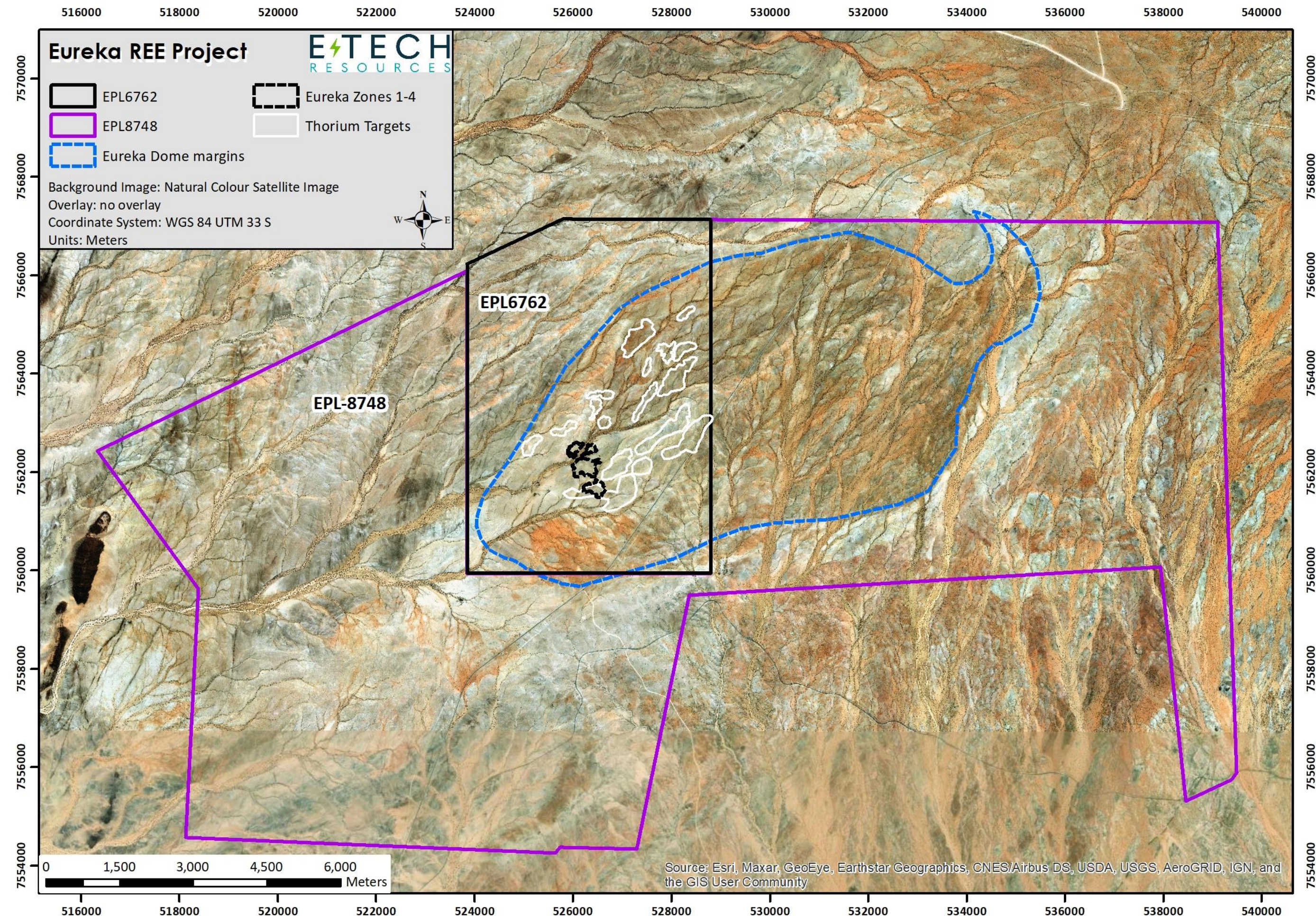


Planned Phase 1 UAV mag surveys

# 01 Exploration

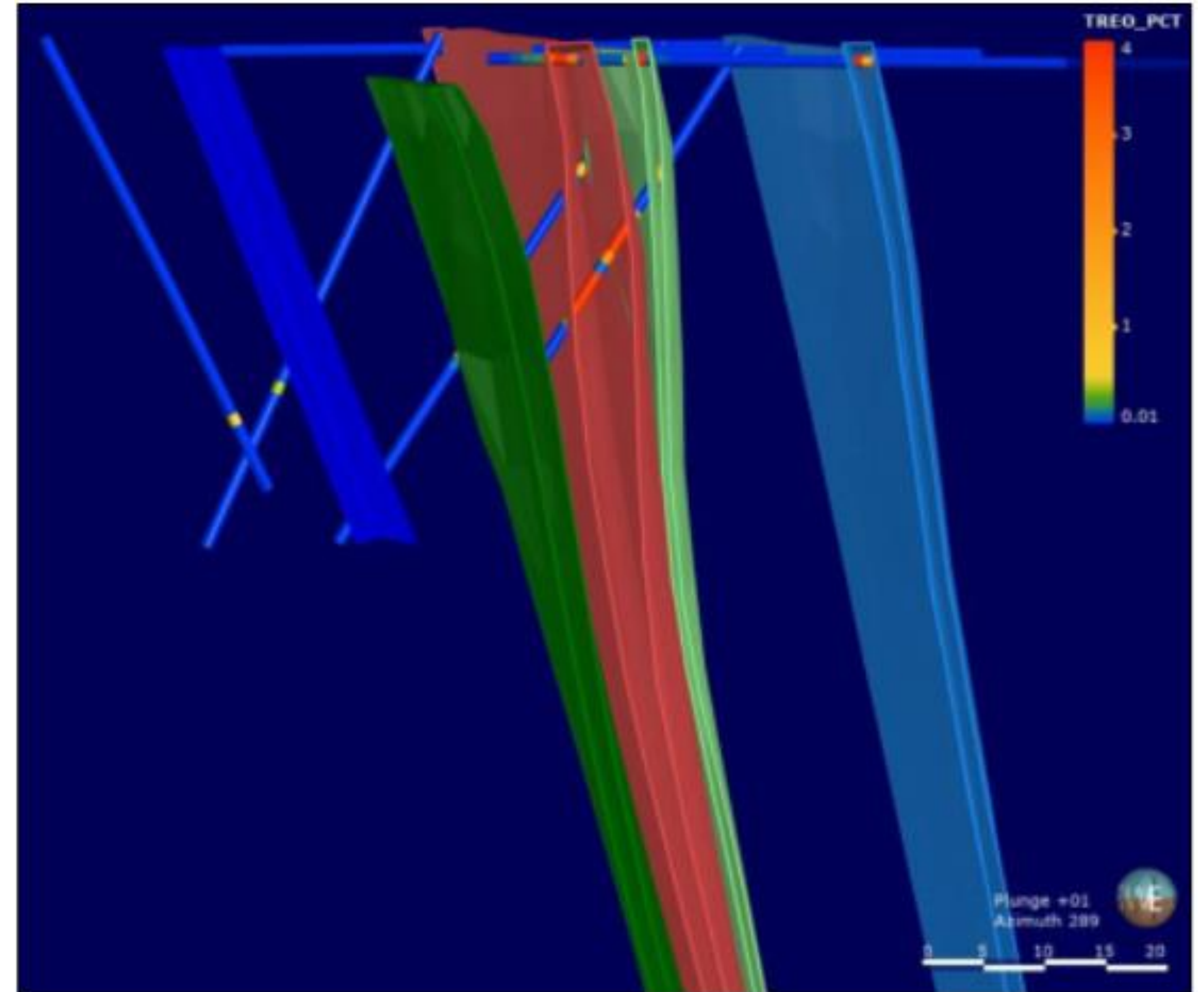
## 2024: UNLOCKING POTENTIAL

- Setting up for success on new EPL 8748
- Accelerated exploration with highly experienced partners
- Focus on commercially significant REE mineralization
- Data interpretation of soil geochem and drone mag by end of the 2023
- Development of a drill program by January 2024
- EPL 8748 geochem program planned for early 2024



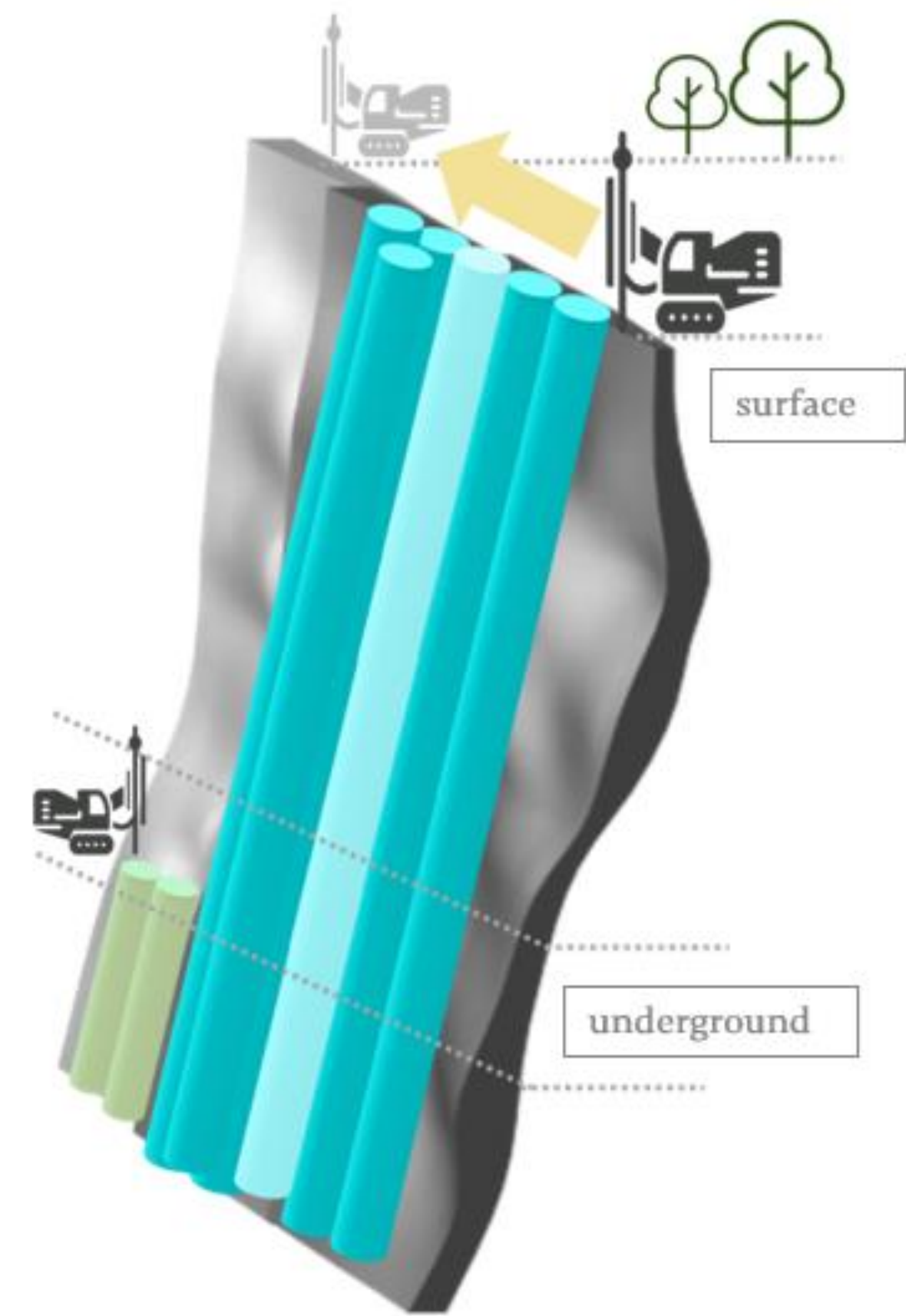
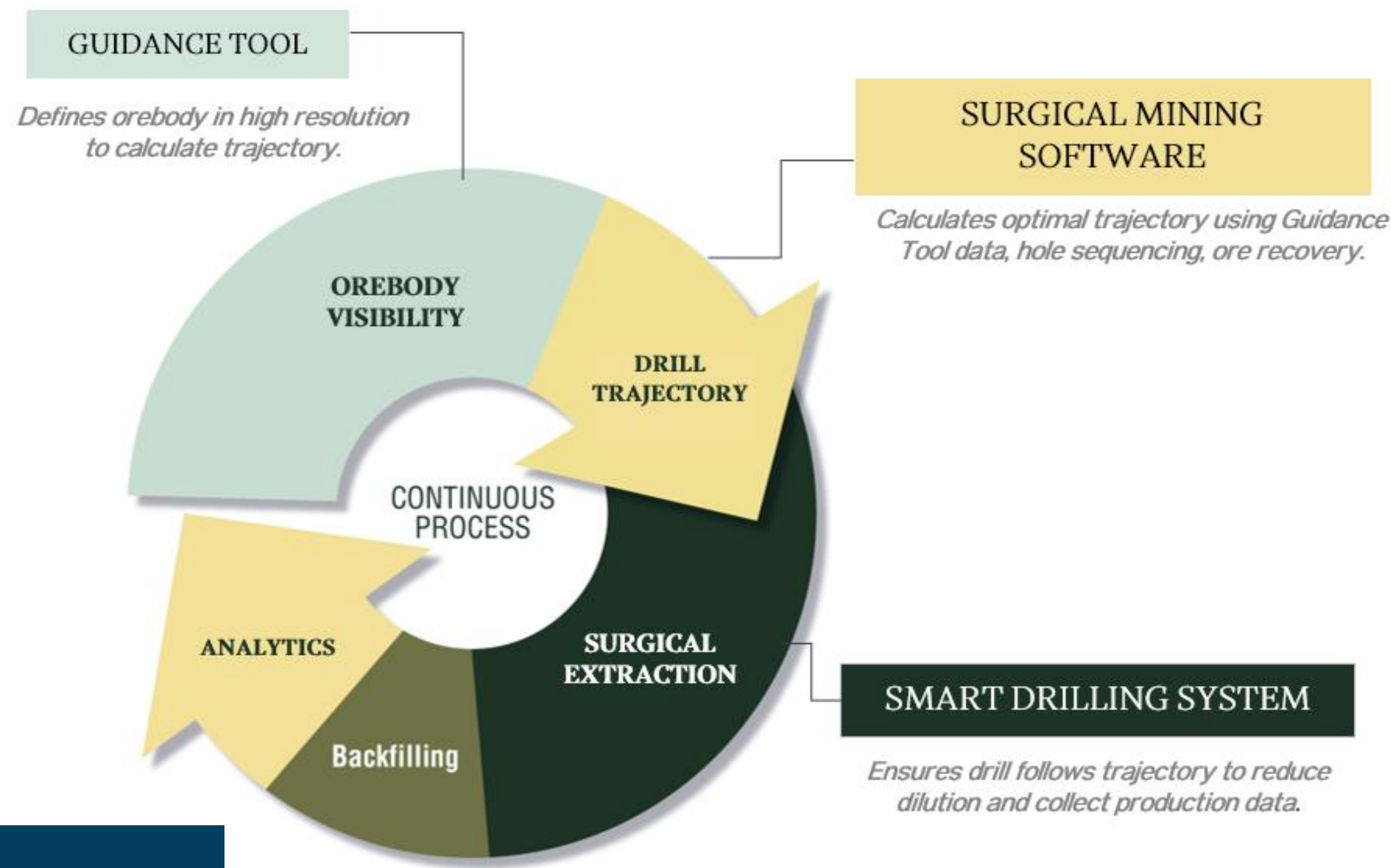
# 01 Resource

- Independent Technical Report, Eureka Rare Earth Project, Namibia (SRK, August 2021)
- Additional diamond drill, RC drill, and assay results have been collected in 2022-23
- Mineral Resource Estimate Update
- Investigating alternative mining methods to increase resource and reduce impacts



Cross section through mineralization wireframes

# 02 Resource



NOVAMERA

Sept 27, 2023

NR: E-Tech Resources  
Enters Into MOU to  
Evaluate Deployment of  
Novamera's Surgical  
Mining Technologies at  
Eureka Project

# 02 Resource

Novamera’s unique technology integrates into conventional drilling equipment, making them able to pinpoint, map, navigate and extract high-value narrow vein deposits without the need for costly infrastructure.



## Economic Benefits

- Easily scalable, mobile equipment.
- Lower project risk & lower CAPEX.
- Reduces tailings costs & environmental liabilities.
- Faster ore-production & permitting.
- Increases production flexibility.
- Integrates quickly & easily into existing operations.

## Environmental Impact

- Minimal footprint & disruption.
- Waste/tailings returned to ground (reduces risk of tailings disasters).

## Safety & Social License

- Zero Entry Mine, operators remain above ground.
- No blasting, dust or noise pollution.

Sept 27, 2023  
NR: E-Tech Resources  
Enters Into MOU to  
Evaluate Deployment of  
Novamera’s Surgical  
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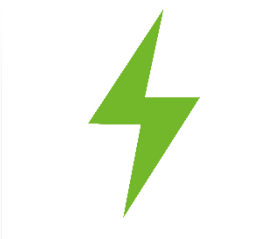


\*Figures by Novamera

# 03 Metallurgy

## ORE BENEFICIATION

Chemical-free  
beneficiation to meet the  
technical specifications  
of processors



AT EUREKA  
OFF THE SHELF EQUIPMENT  
BASED ON EARLY-STAGE BULK SAMPLING &  
BENCH-SCALE TESTING OF OUTCROP MATERIAL

NO XRAY SORTING      NO HARSH CHEMICALS      NO FLOTATION REQUIRED

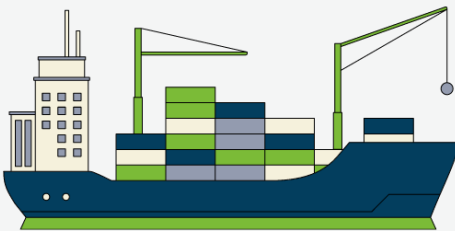
>65%

RECOVERY

>60%

TREO GRADE

OF >97% MONAZITE CONCENTRATE  
after 1<sup>st</sup> pass using  
Gravity & Magnetic Process



AMENABLE  
SHIPPING OF  
PRODUCT  
Due to low  
radioactive levels



POTENTIAL  
LOW COST OF  
PRODUCTION  
RELATIVE TO  
COMPETITORS  
As confirmed by  
SGS Mineral Services



MONAZITE IN HOST  
ROCK



GRAVITATIONAL  
CONCENTRATION



MAGNETIC  
SEPARATION



MONAZITE  
CONCENTRATE

# 03 Metallurgy

17 May 2023

E-Tech Resources Signs MOU to Advance Feasibility Study for Rare Earth Metal Separation Facility in Namibia

- Advance test work to refine monazite concentrate and produce mixed rare earth concentrate
- Pursue opportunities for further refining into individual oxides
- E-Tech, along with its partners in the Rare Earth Alliance Namibia recognize the need for a de-risked and secure supply chain for Rare Earth Elements refinement and processing to support a sustainable economy.

## RARE EARTH ALLIANCE NAMIBIA (REAN)



**NAMIBIA**  
CRITICAL METALS INC.  
(Formerly Namibia Rare Earths Inc.)

**E-TECH**  
RESOURCES

Ondoto Rare Earth  
(Pty) Ltd.

# 04 Sustainability

## COMMITTED TO RESPONSIBLE ENVIRONMENTAL, SOCIAL & CORPORATE GOVERNANCE

 <p>3 GOOD HEALTH AND WELL-BEING</p>	 <p>4 QUALITY EDUCATION</p>	 <p>8 DECENT WORK AND ECONOMIC GROWTH</p>	 <p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>
Health & Safety	Jobs & Education	Best Practice & Transparency	Value Chain Management
 <p>10 REDUCED INEQUALITIES</p>	 <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	 <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	 <p>15 LIFE ON LAND</p>
Inclusiveness & Fairness	Community Support	Efficient Consumption	Environmental Care



PROF FRANCES WALL  
DIRECTOR | UK

Dr. Wall has led large consortium research projects such as HiTech AlkCarb and SoS RARE and is currently Principal Investigator for the UK Research and Innovation Interdisciplinary **Circular Economy** Centre for Technology Metals (Met4Tech).

Dr. Wall is the Chair of the British Geological Survey Science Advisory Committee. Member of the UK Critical Minerals Expert Committee.



# 04 Sustainability

## REVERSE OSMOSIS COMMUNITY PROJECT

In **July 2023**, the community at Eureka celebrated the installation of a Reverse Osmosis (RO) plant, which has brought clean drinking water to the area for the first time. This project was made possible through the sponsorship of E-Tech Resources and the implementation efforts of HEPWater.

The RO plant has been a game-changer for the community and their livestock, as it uses advanced technology to remove 99.9% of viruses, bacteria, pyrogens, and other contaminants from the water. This has ensured that the residents and their livestock now have access to safe and clean drinking water, improving their overall health and well-being.



# 2024 Path Forward

2024 is shaping up to be a pivotal year for Etech. Early indication of positive results along with strategic financing will position us to reach the next level in the exploration and development of the Eureka project. Our goals for 2024 include:

- Commence early 2024 drill program EPL 6762
- Reconnaissance exploration and test targets EPL 8748
- Update mineral resource estimate
- Test program of Novamera mining technology
- Advance metallurgical test-work



How is the project funded?

By 100% Equity Capital

Where are you listed?

We are dual listed: primarily on the TSX-V & co-listed on the Frankfurt Stock Exchange

Capital Structure

Issued & Outstanding		82,971,530
Options		2,860,000
Warrants		1,400,000

Market Capitalization

Share Price		C\$ 0.065
Market Cap		C\$ 5,393,149
Cash		~C\$ 106,000

COMPANY DETAILS

# Financials

As at 30 June 2023

# THANK YOU

Send us your questions:  
[contact@etech-resources.com](mailto:contact@etech-resources.com)

Follow our Social Channels:



E-Tech Resources are exploring for the rare earth elements necessary to drive the global transition to clean energy

[www.etech-resources.com](http://www.etech-resources.com)



## Appendix



TSXV: REE | FSE: K2i