

ETECH RESOURCES

RARE EARTH ELEMENTS IN NAMIBIA



FEBRUARY 2024 | SUMMARY



TSXV: REE | FSE: K2i



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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.

2023 highlights



Drill core laid out for core viewing at E-Tech's Eureka project in December 2023

Comprehensive
data analytics
program initiated

Regional Geochem
program
completed over
entire EPL 6762
structure

UAV Ultra-high-
resolution survey
over known
mineralization

**New exploration
model, validated
by historic drill
data**

**Early results
from ground
truthing
(2024)**

EPL 6762

Original

Total Area
of EPL 6762

3,474 ha*
(34,737,800 m2)**

Area (Zone 1-4)

~1 km2

Dome Area
(~1/3)

~20.7 km2

Mar 28, 2023

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

EPL 8748

Newly
Acquired

Total Area
of EPL 8748

16,520 ha*
(165,200,000 m2)**

Dome Area
(~2/3)

35.3 km2

COMBINED

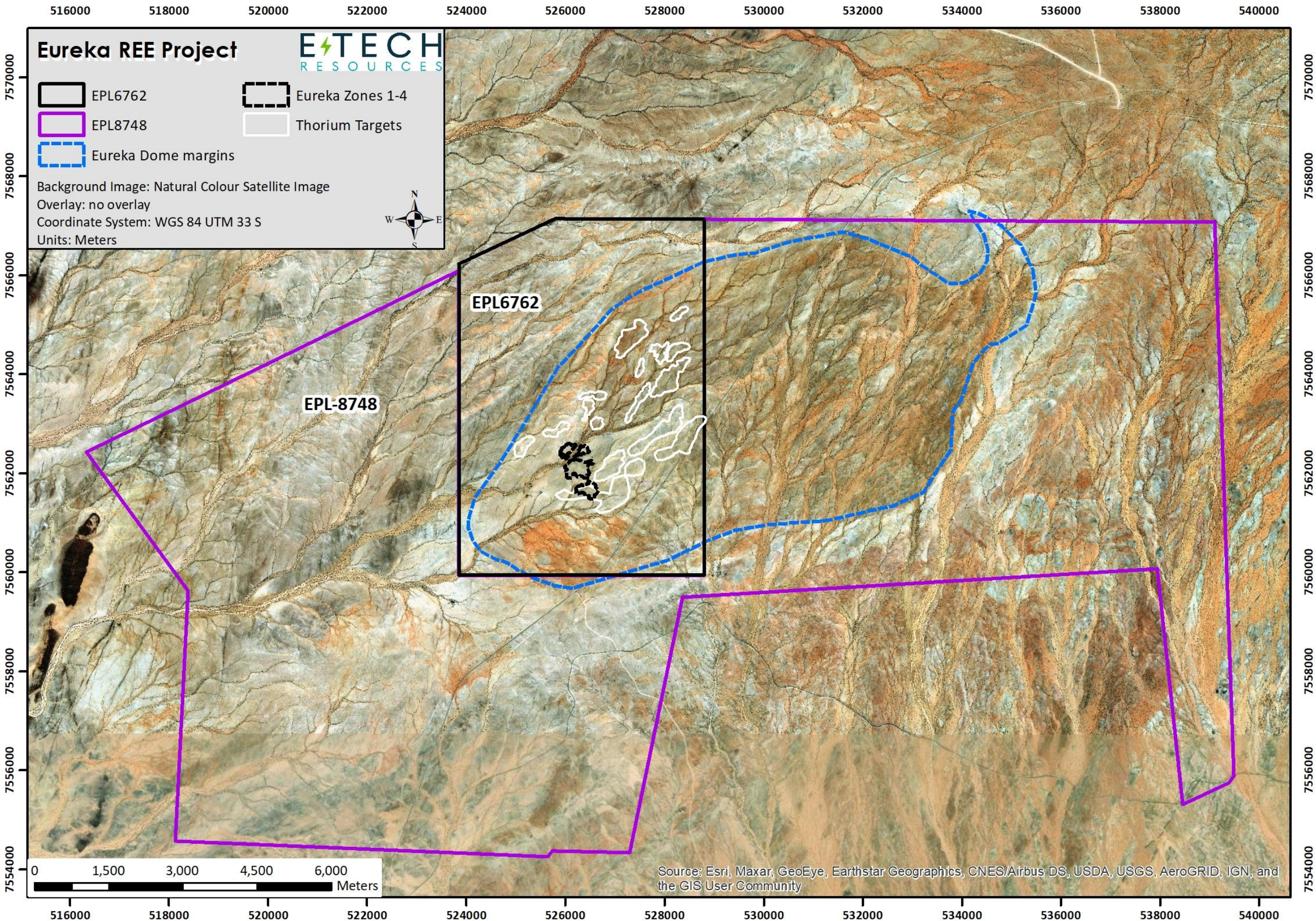
Total Area
of EPL 6762 & 8748

19,994 ha*
(199,940,000 m2)**

Total Area of the
Eureka Dome

~ 56km2

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



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

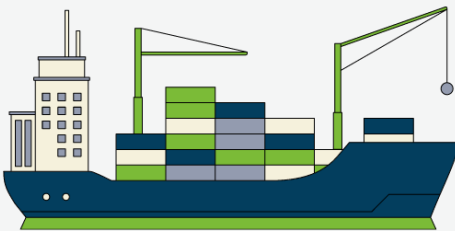
>65%

RECOVERY

>60%

TREO GRADE

OF >97% MONAZITE CONCENTRATE
after 1st 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

Board & Management Team



TODD BURLINGAME
CEO | CANADA

Thirty years of mining experience covering grass roots exploration, permitting and approvals, construction, operations and closure.



ROB RANDALL
CFO | CANADA

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.

IN-COUNTRY CAPACITY

- Experienced geology team
- Local employees
- Environmental and
- HSE compliance



DENNIS BILLE
SENIOR GEOLOGIST



SENSIKUS ANGULA
GEOLOGIST



ERASTUS IIYAMBO
GEOLOGIST

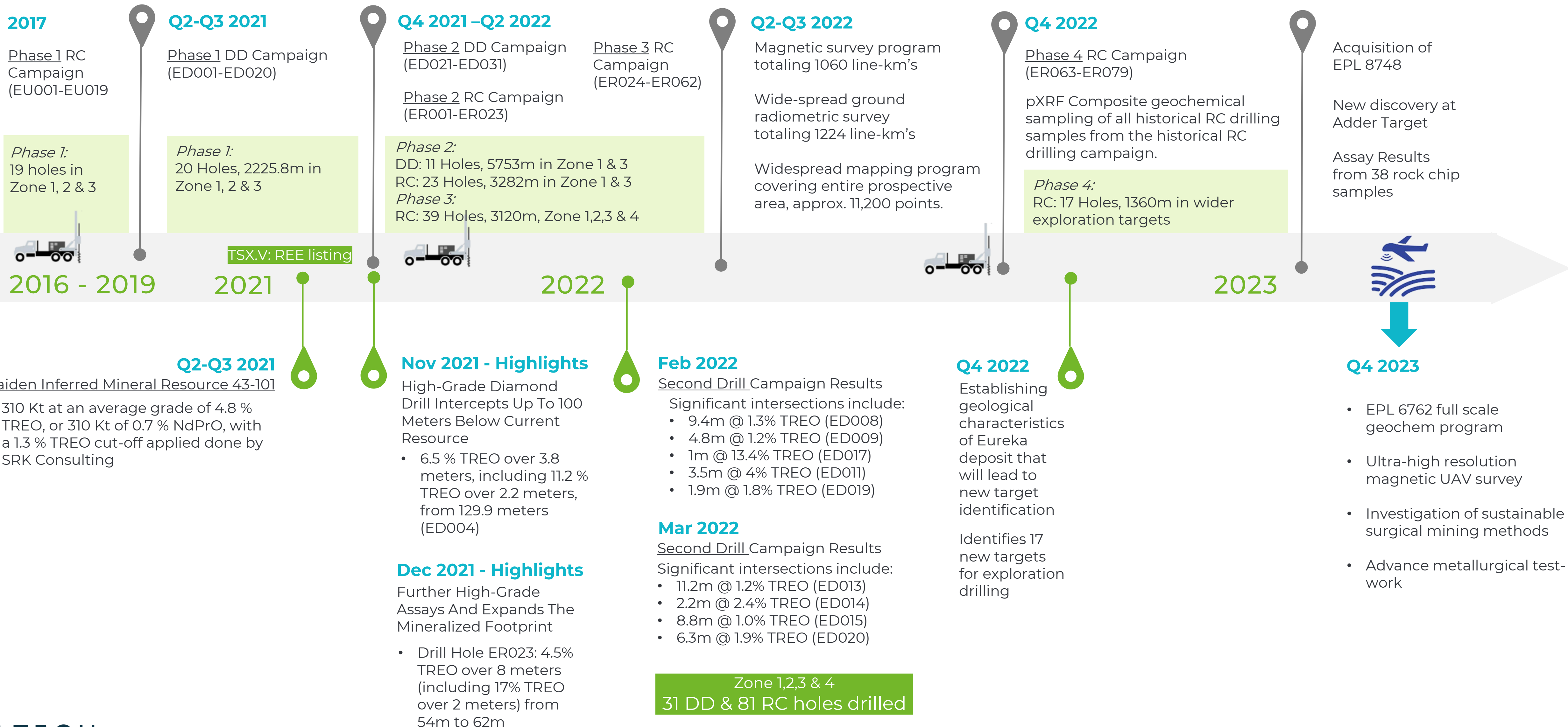


TUWILIKA NGHIPALENDJILA
JUNIOR GEOLOGIST

Exploration Activities

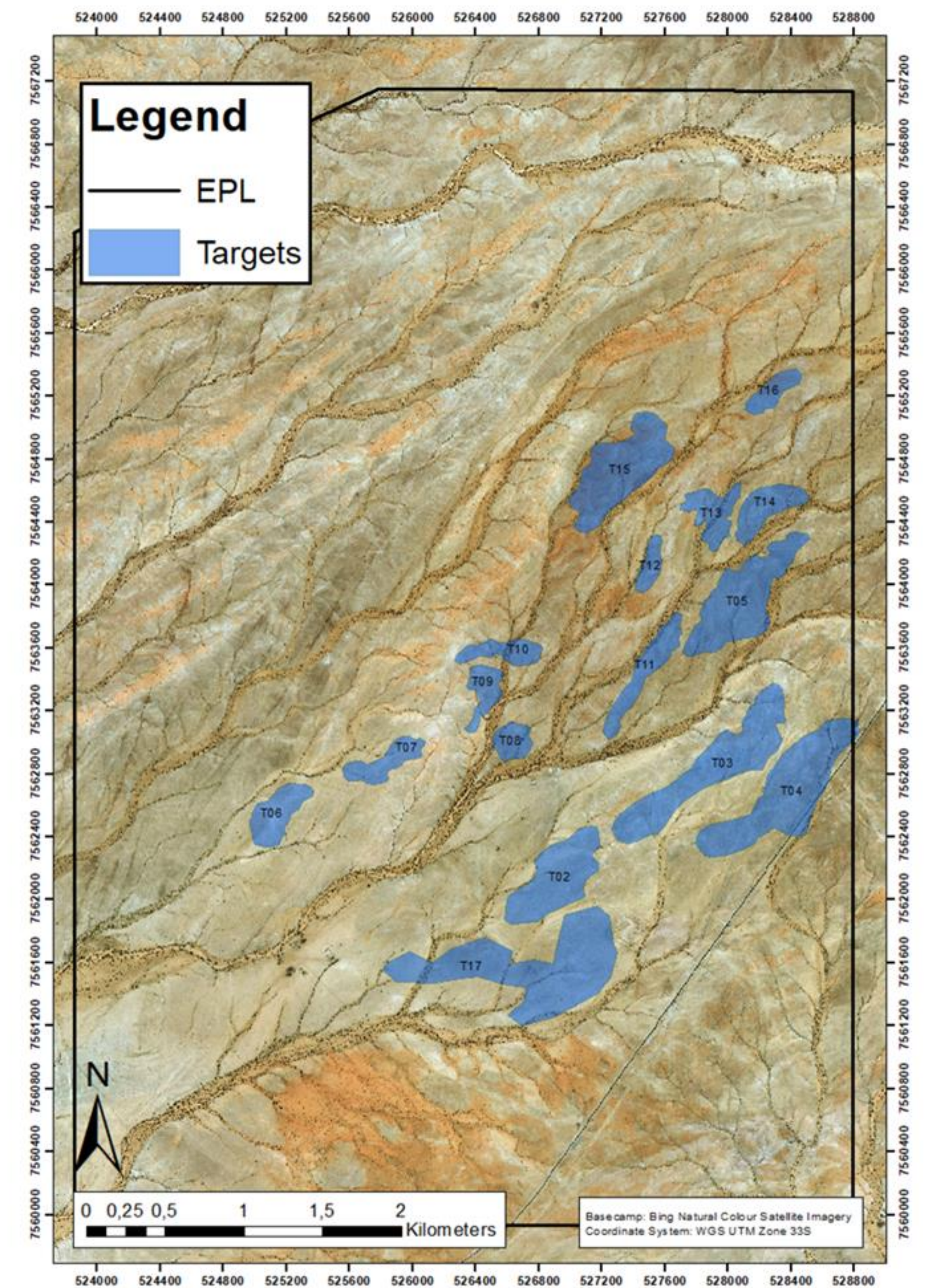
Legend:

DD – Diamond Drilling
RC – Reverse Circulation



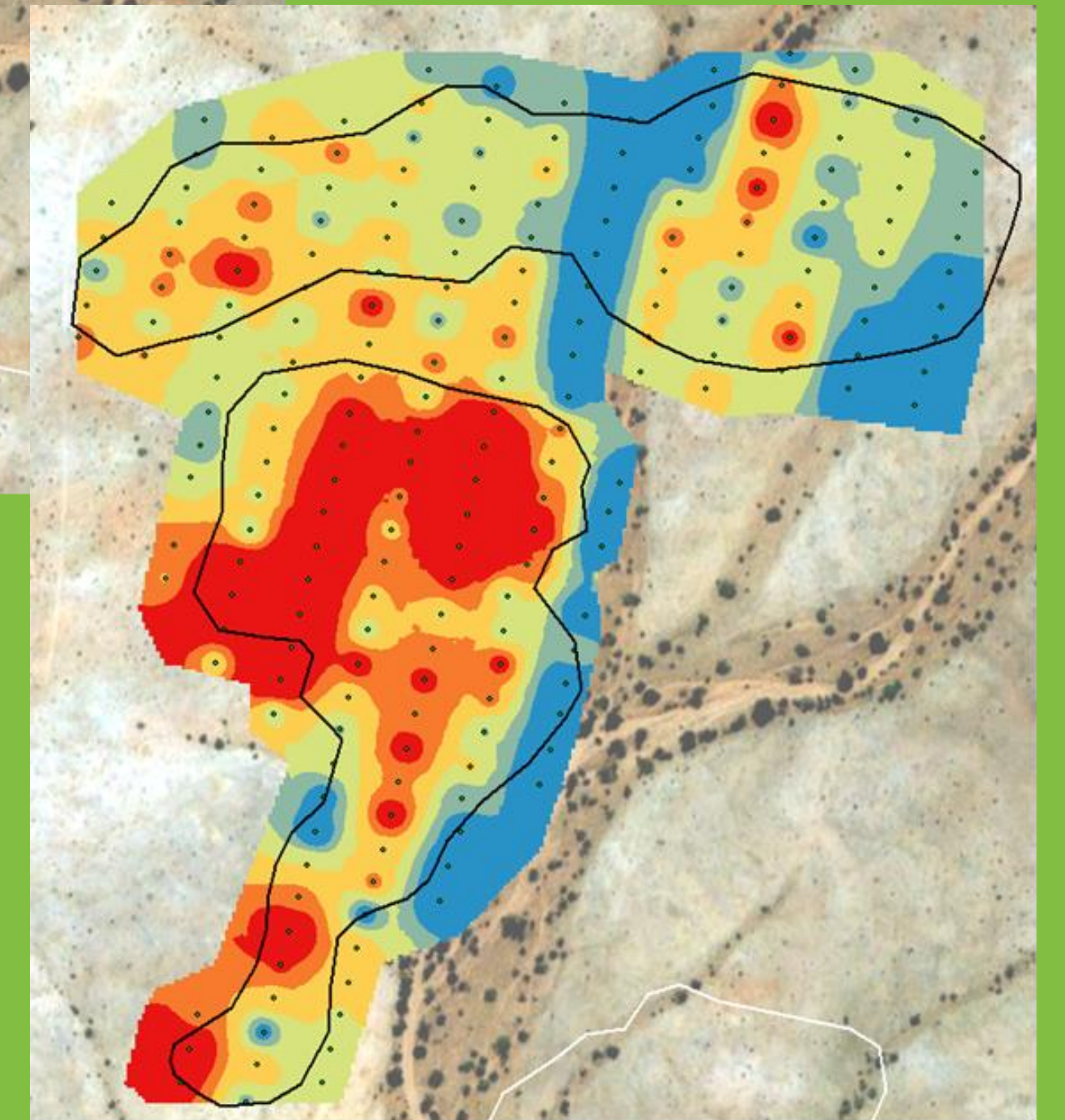
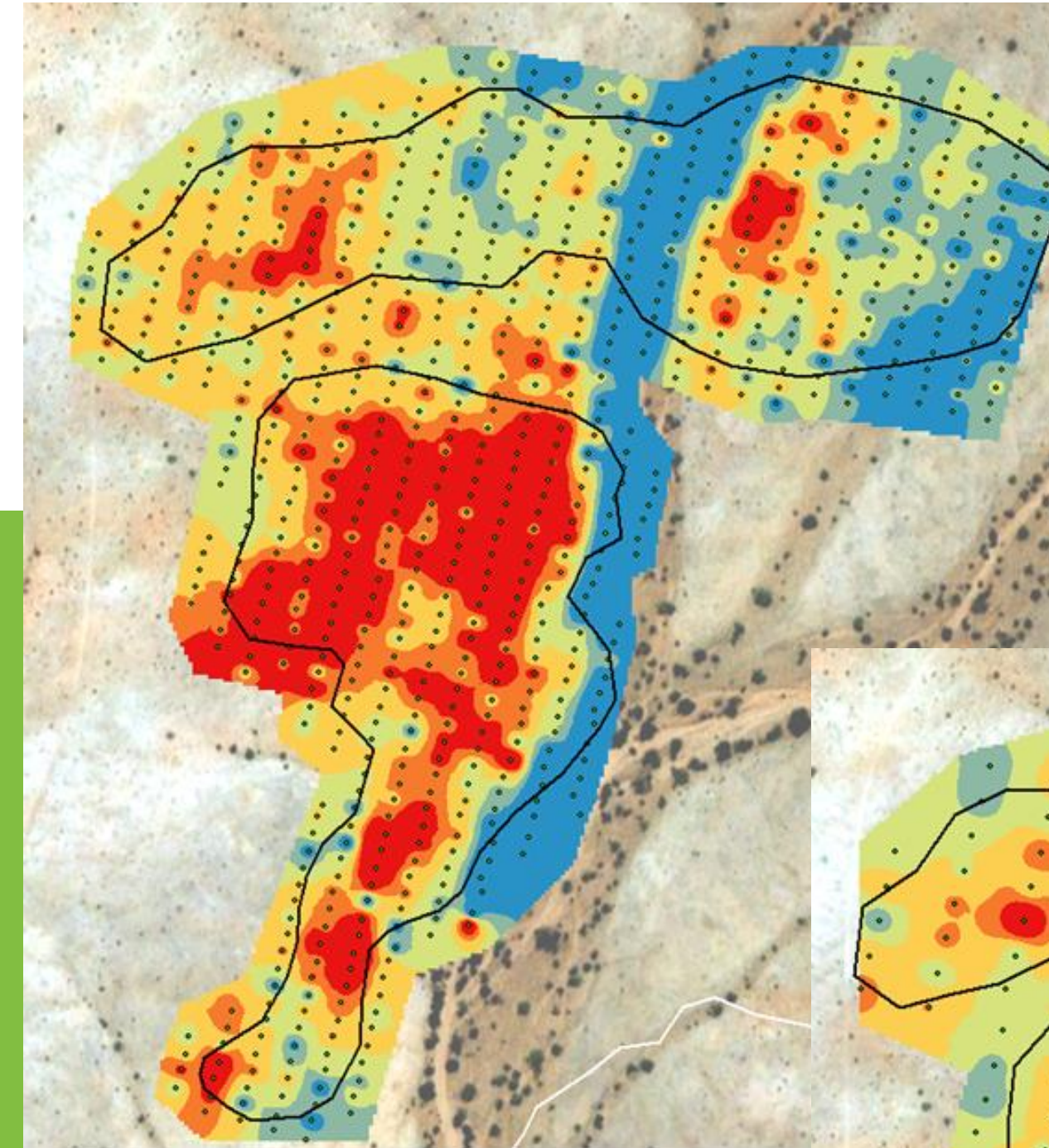
H1 2023 Exploration

- Targeting deposits similar to discovery zones 1-3
- Thorium signatures used as key pathfinder (Radiometric anomalies)
- Higher density sampling grid over small targets (10X20 meter spacing)
- Samples analyzed in the field



Q3 Exploration Program review

- Adopted an EPL wide exploration approach
- Adjusted Geochem sampling density
- Changed sampling and analysis procedures
- Switched to REE Geochem signatures as key targeting pathfinder
- Introduced UAV Ultra-high resolution Aeromagnetic survey
- Added technical support (Gecko Exploration)

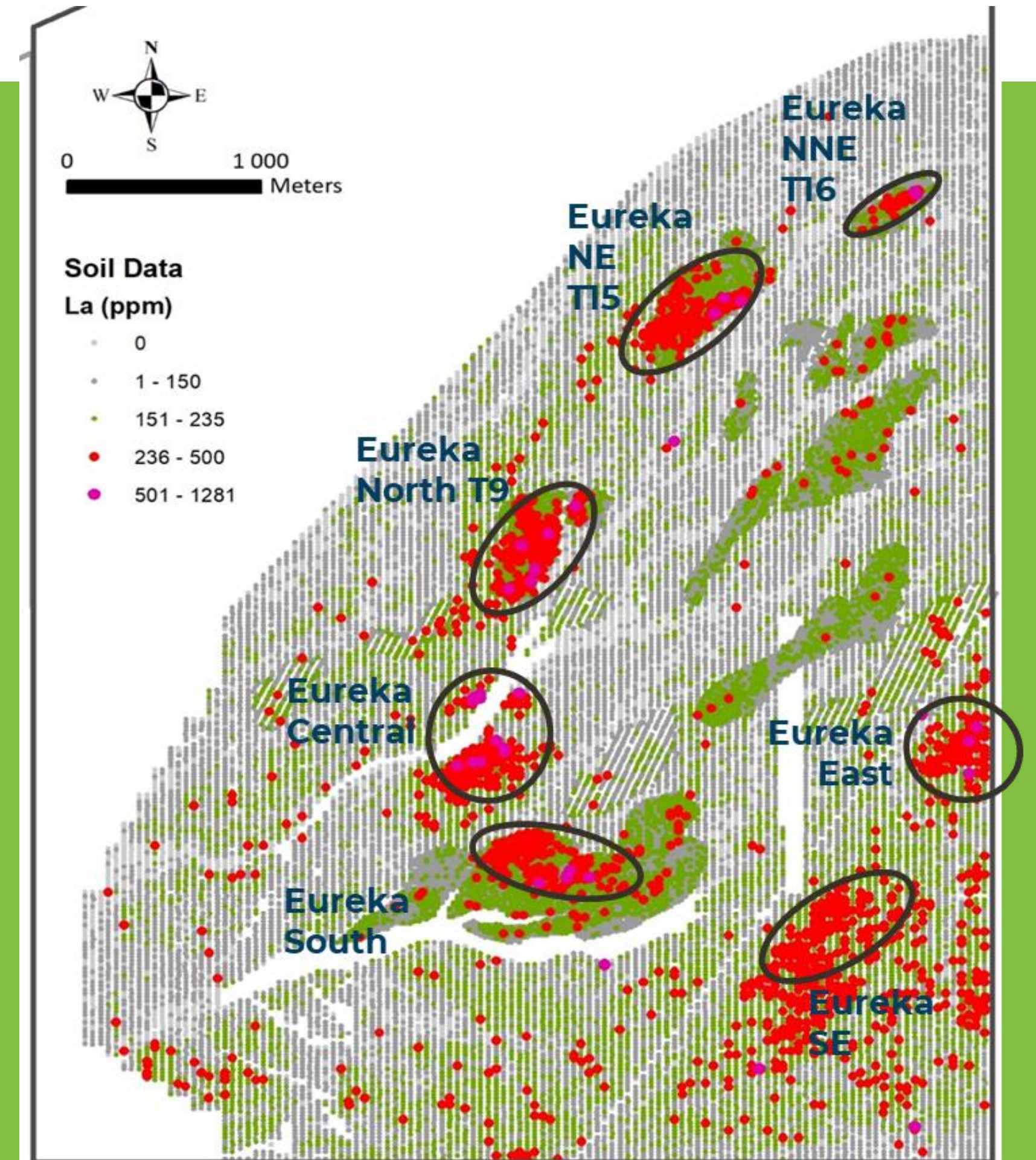


Q4 Exploration results

- Complete coverage of Eureka Dome structure on EPL 6762
- EPL scale perspective
- Integration of high resolution aeromagnetic
- New exploration model validated by data analytics
- New exploration targets



Soil samples for pXRF analysis at Karibib office



High-resolution, UAV-based magnetic surveys

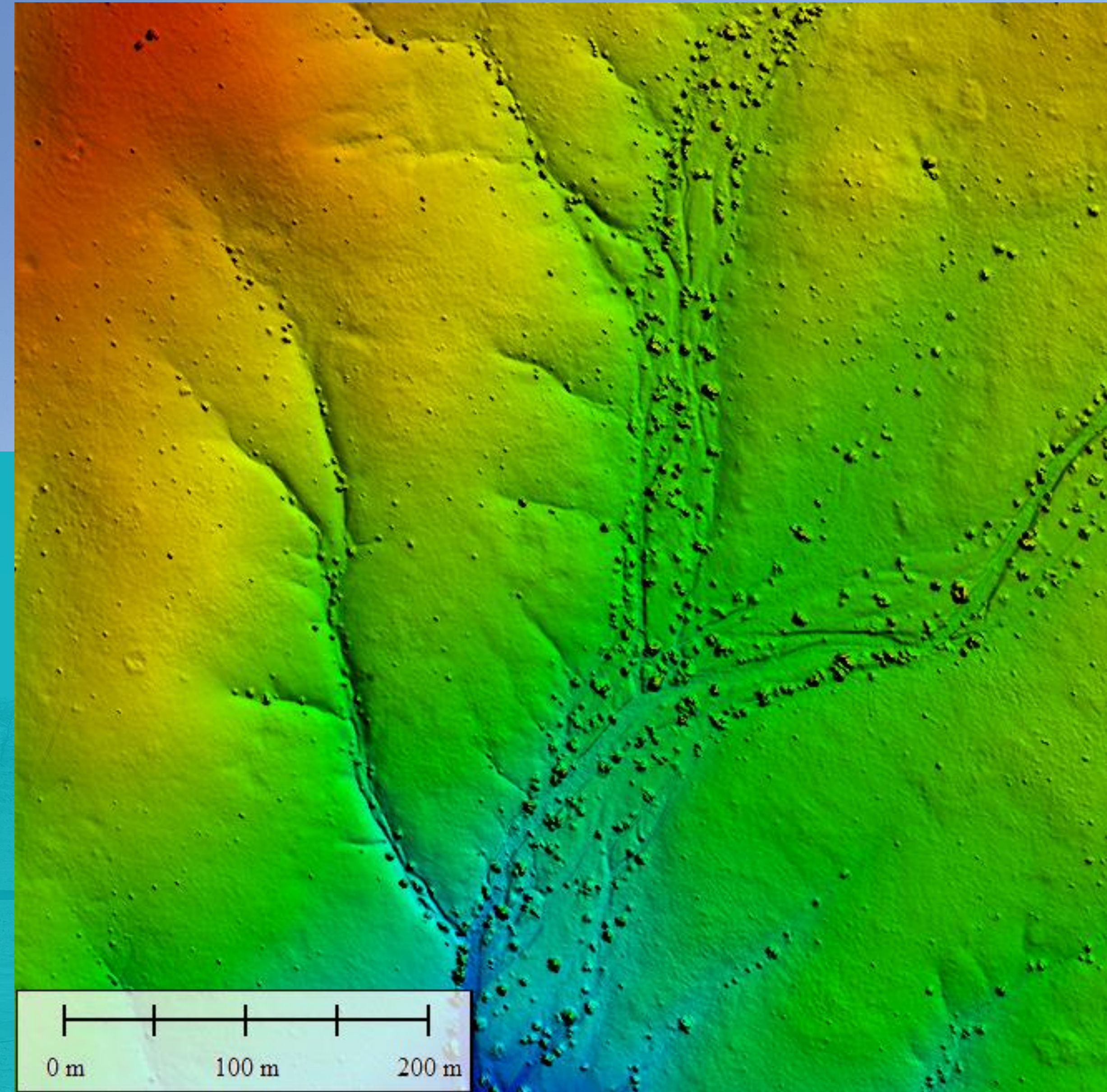


Objectives

- Conduct **high-resolution, UAV-based magnetic surveys.**
- A **limited survey over three small, selected targets** to test methods in detecting zones which host monazite mineralization assuming magnetic responses from several magnetite and pyrrhotite-hosting lithologies.

Topography survey includes:

- Fixed wing VTOL flight to produce a topography map.
- High Resolution Ortho, DSM (Digital Surface Model) and DTM (Digital Terrain Model) to plan flight paths.



High-resolution topography map to assist with obstacle avoidance and flight path planning

Eureka Project

Magnetic survey highlights:

- Optically pumped magnetometer
- 1000Hz Sample rate
- 10m/s max => sample every 1cm
- 20,000nT to 100,000nT range

Magnetic processing before final maps generation:

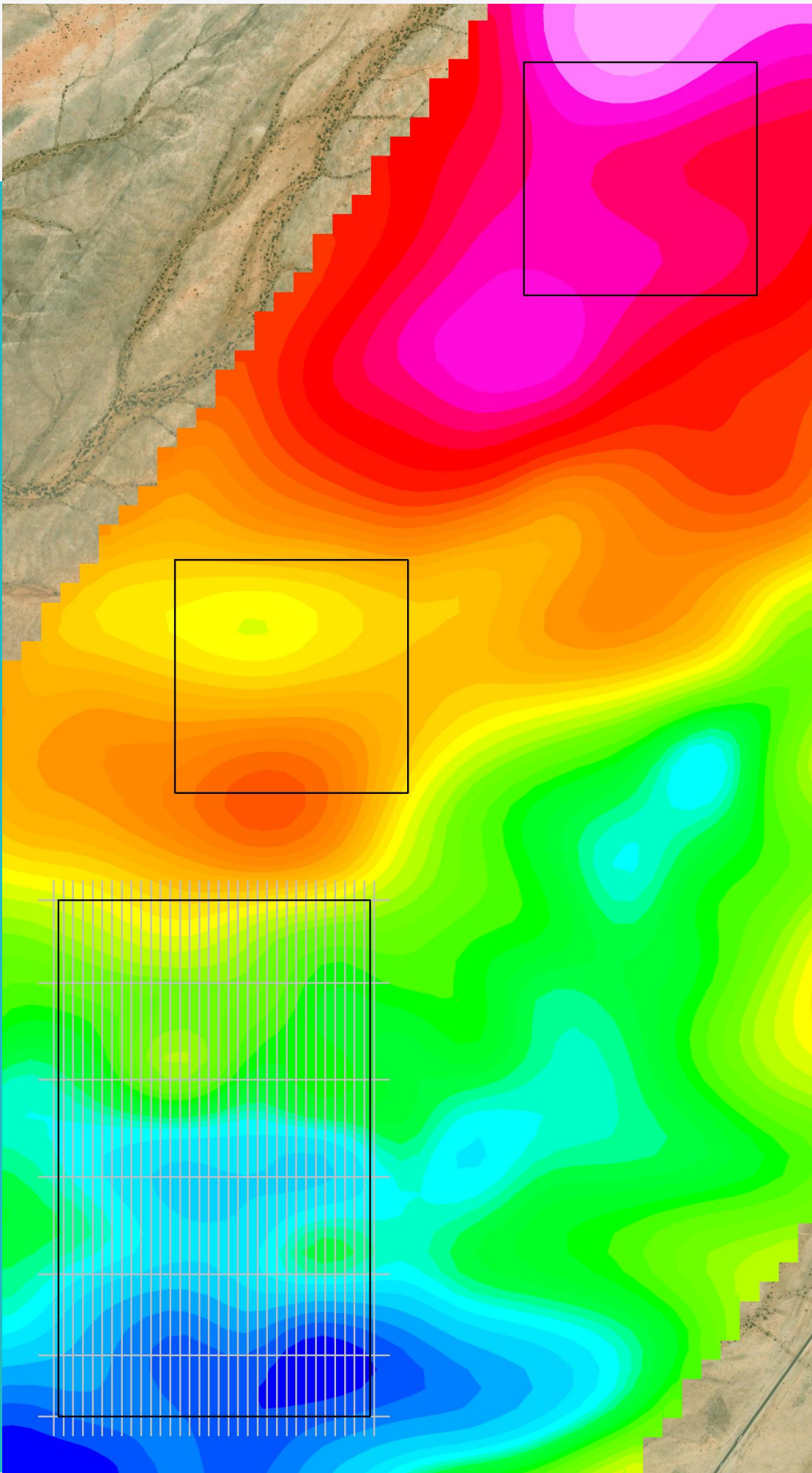
- Diurnal correction
- IGRF
- Attitude compensation
- Levelling and Micro-levelling
- Gridding



Magnetic sensor suspended beneath the drone

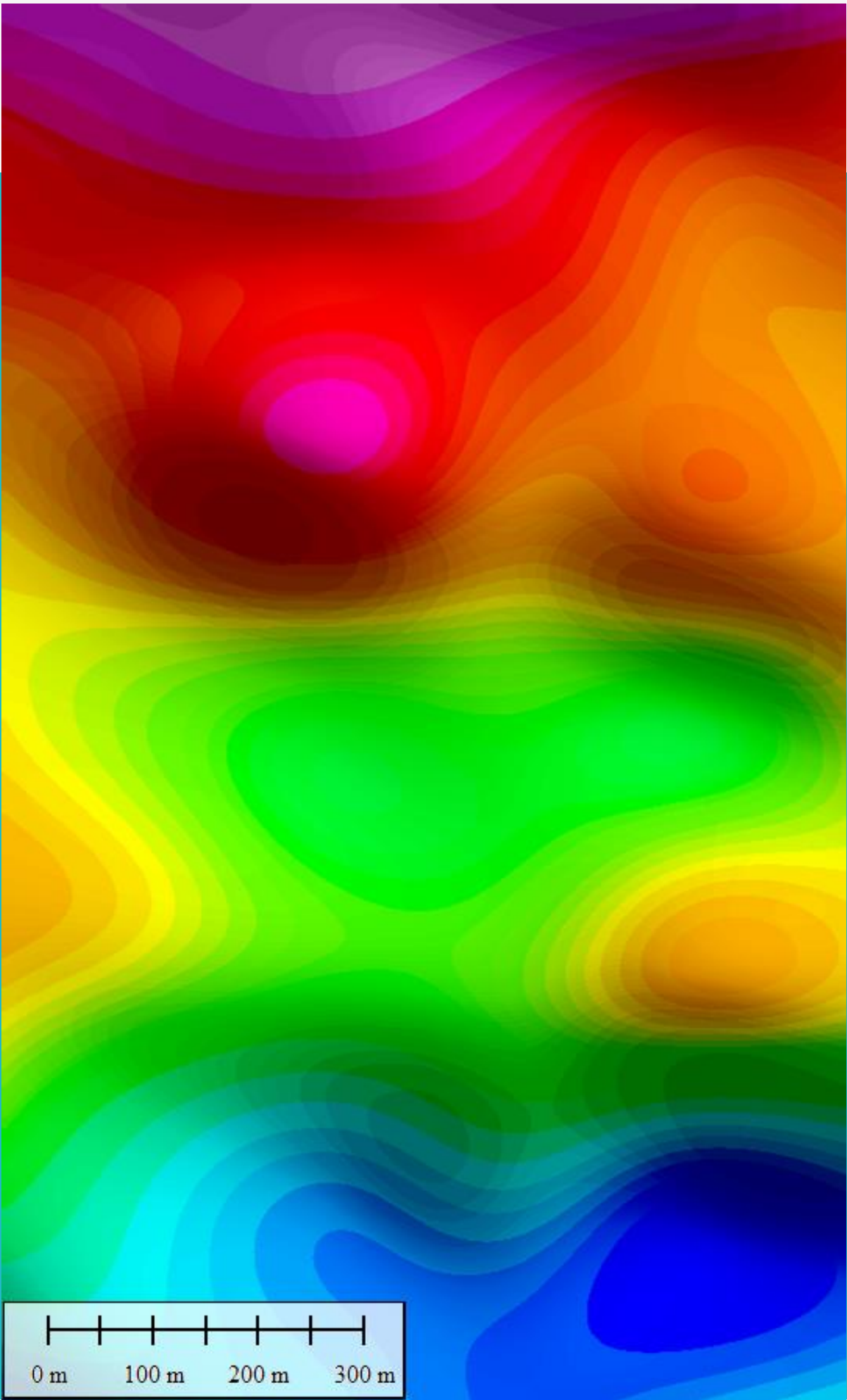
Eureka Project High-resolution, UAV-based magnetic surveys

Zone 1-4

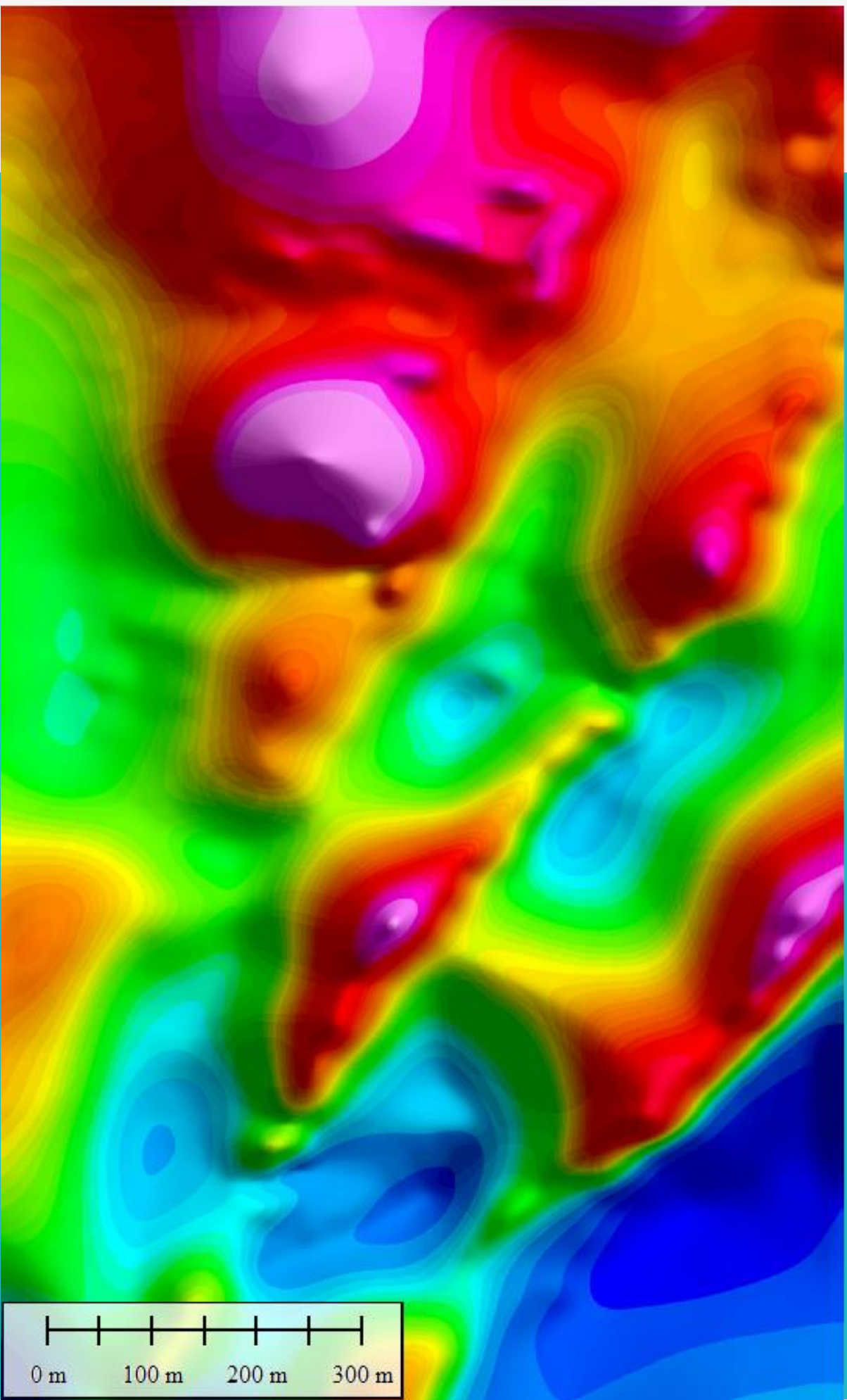


*Regional TMI
(Total Magnetic Intensity)

*All regional magnetic data supplied by the
Namibian Ministry of Mining and Energy.

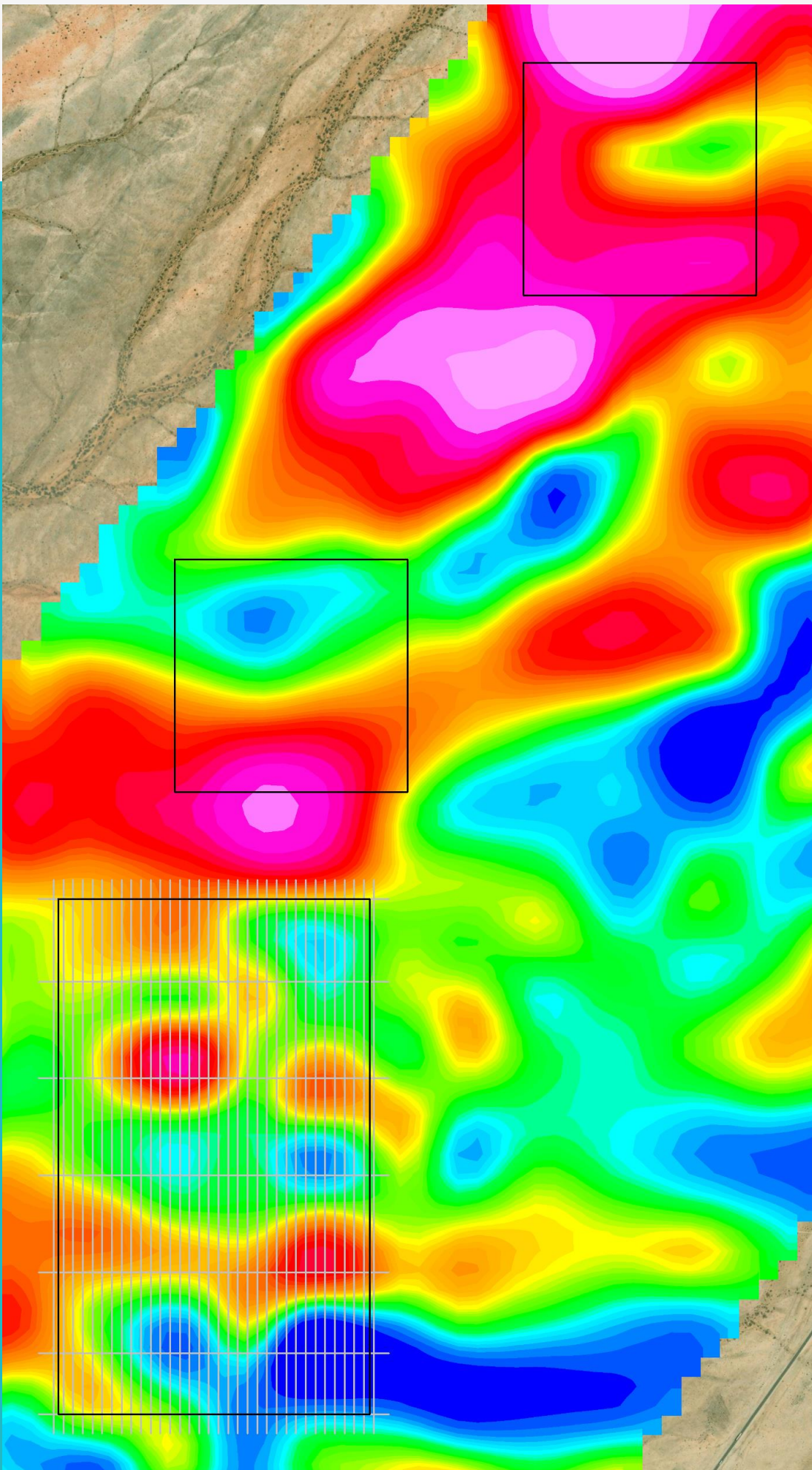


Drone TMI
(Total Magnetic Intensity)
with significant more resolution



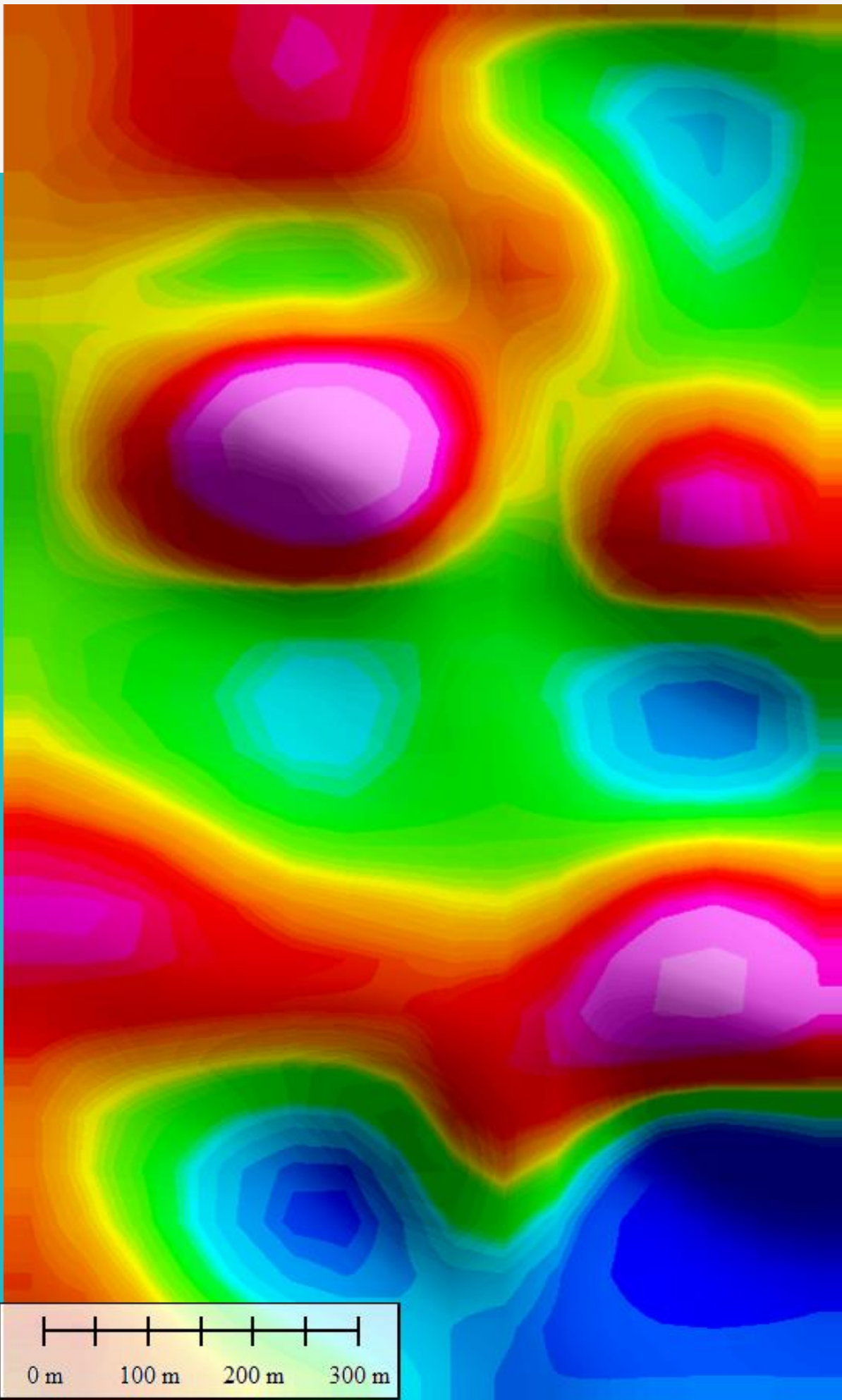
Eureka Project

Zone 1-4

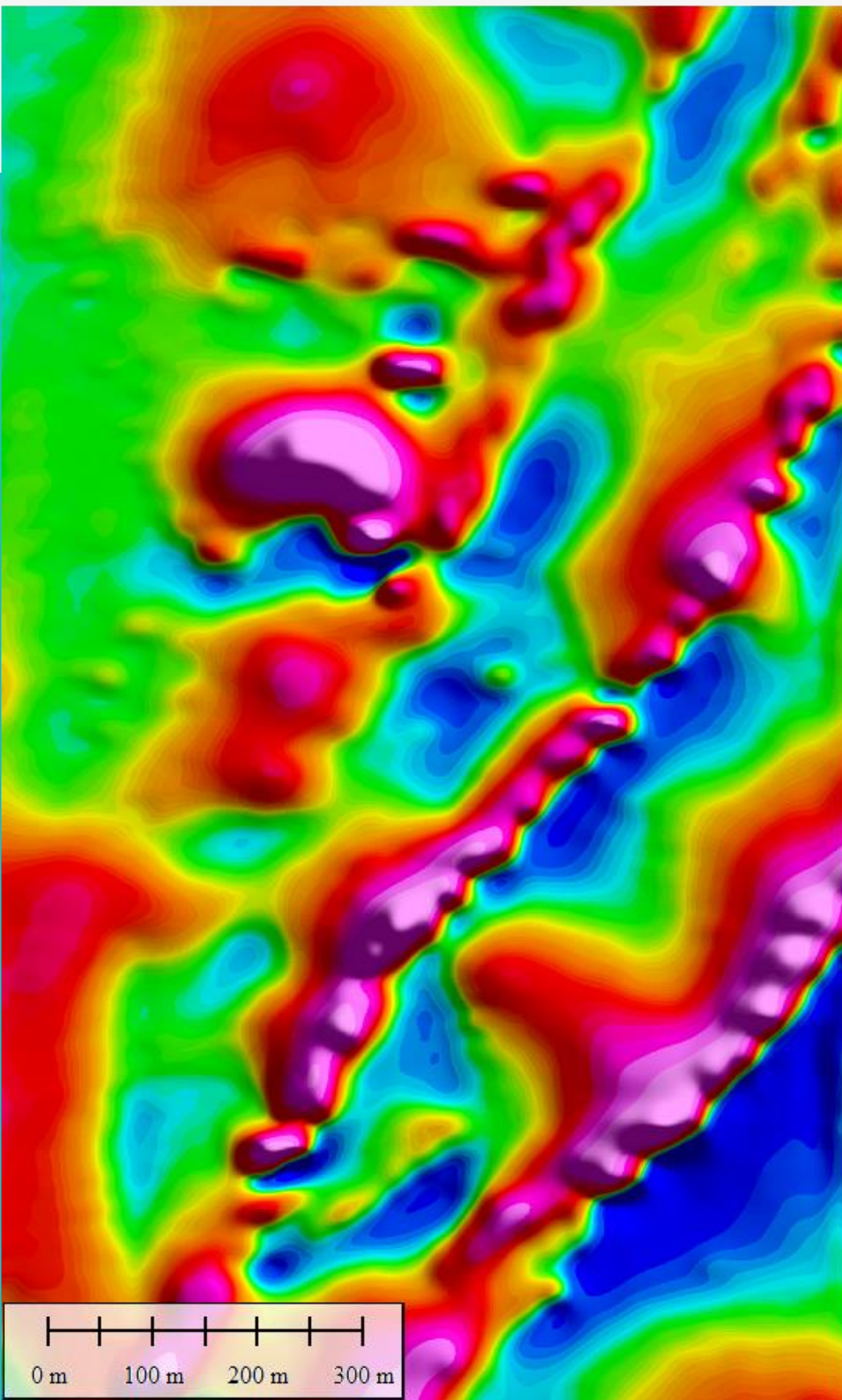


*Regional 1-vd
(Vertical Derivative)

*All regional magnetic data supplied by the
Namibian Ministry of Mining and Energy.



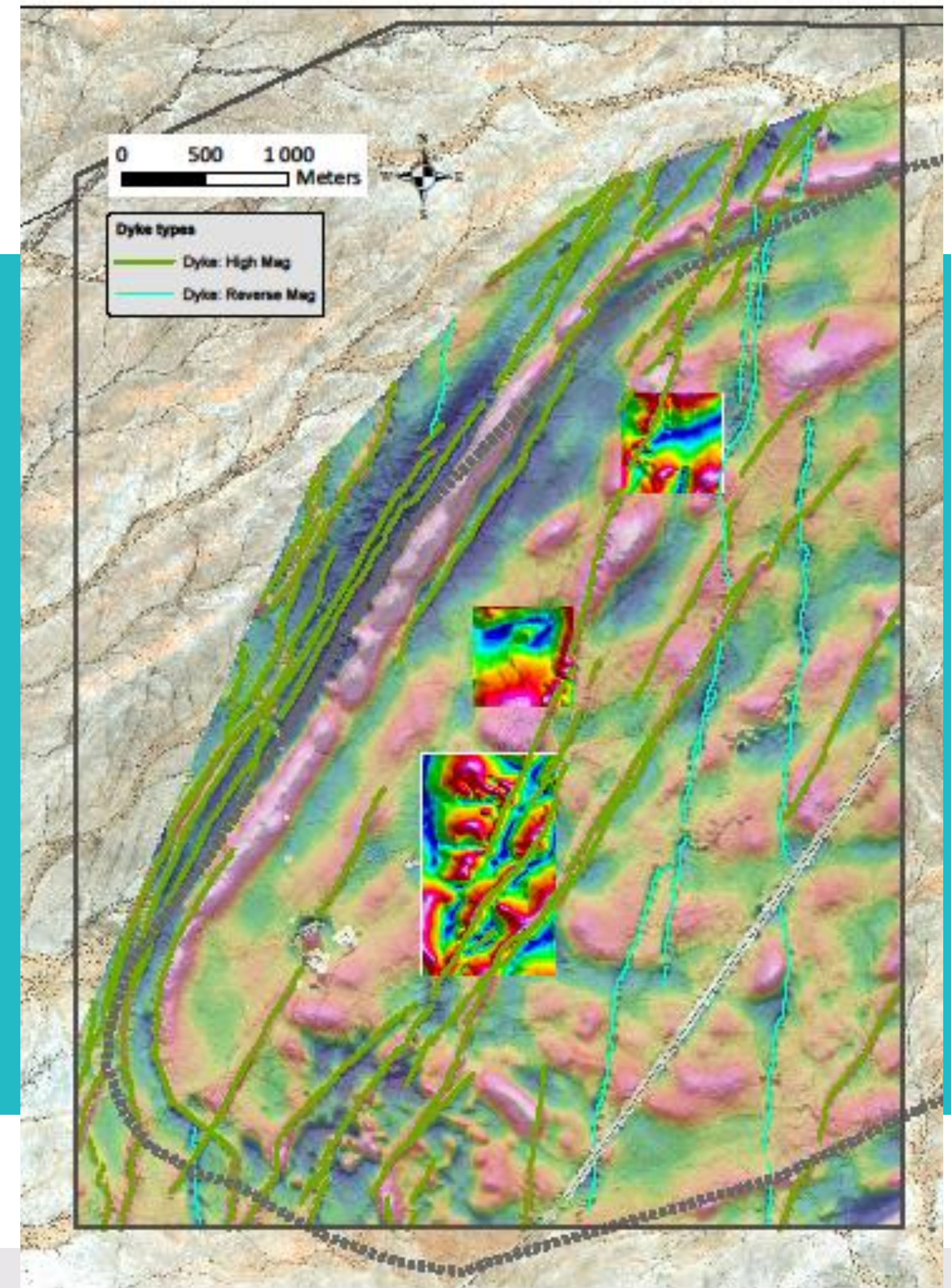
Drone 1-vd
(Vertical Derivative)
indicating NW magnetic dykes



Preliminary Results of UAV magnetic survey at Eureka

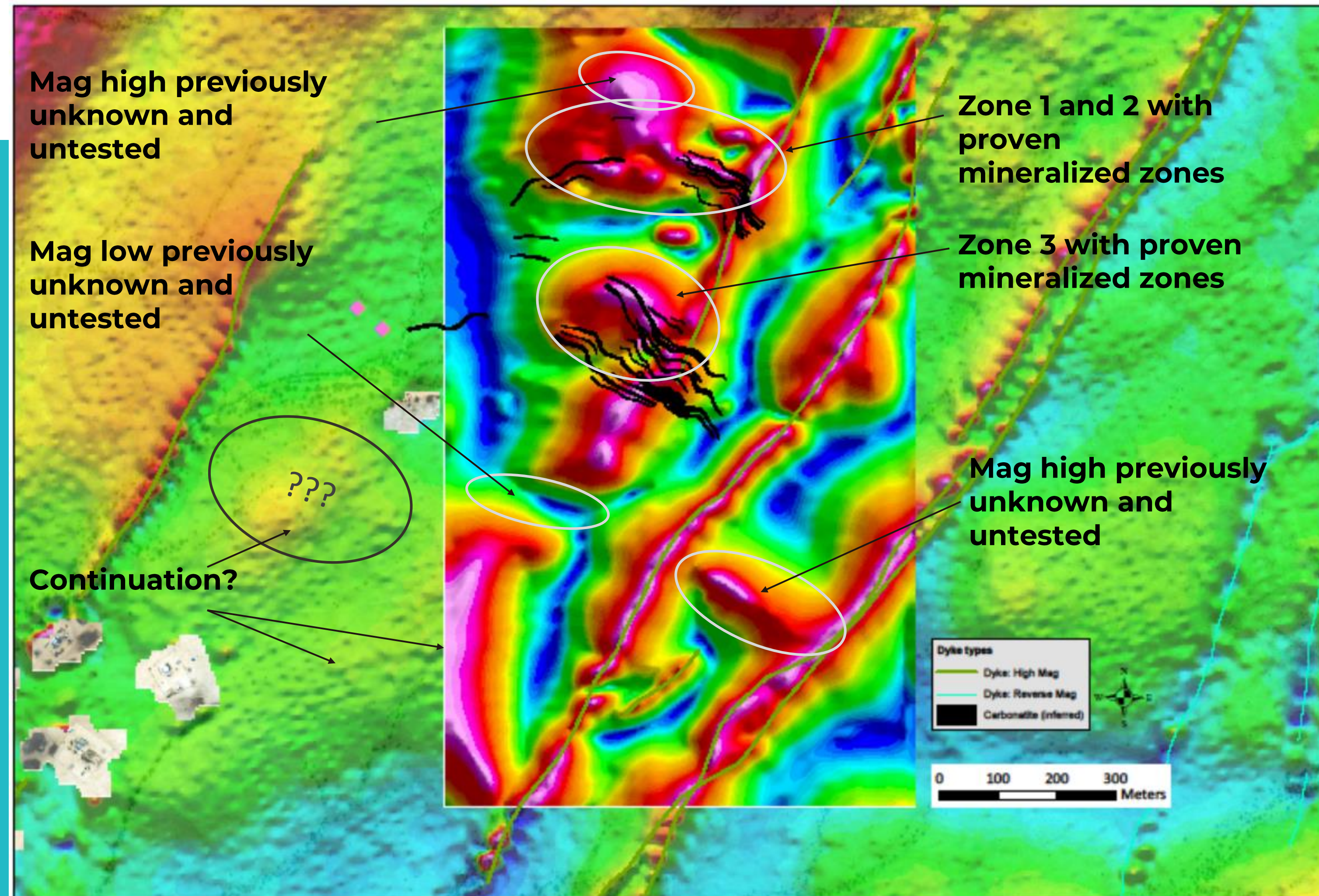
- Phase 1 magnetic surveys to test efficiency in detecting monazite mineralization
- First results identify clearly delineating NW-striking zones correlating with known drill-proven mineralization in very high detail

Phase 1 UAV mag survey areas on EPL6762



Central Eureka Zones

- New data show previously unknown and untested NW-striking structures at Eureka Central, expressed as either mag highs or mag lows
- Previous mapping of inferred carbonatite dykes correlate with WNW to NW-striking magnetic anomalies

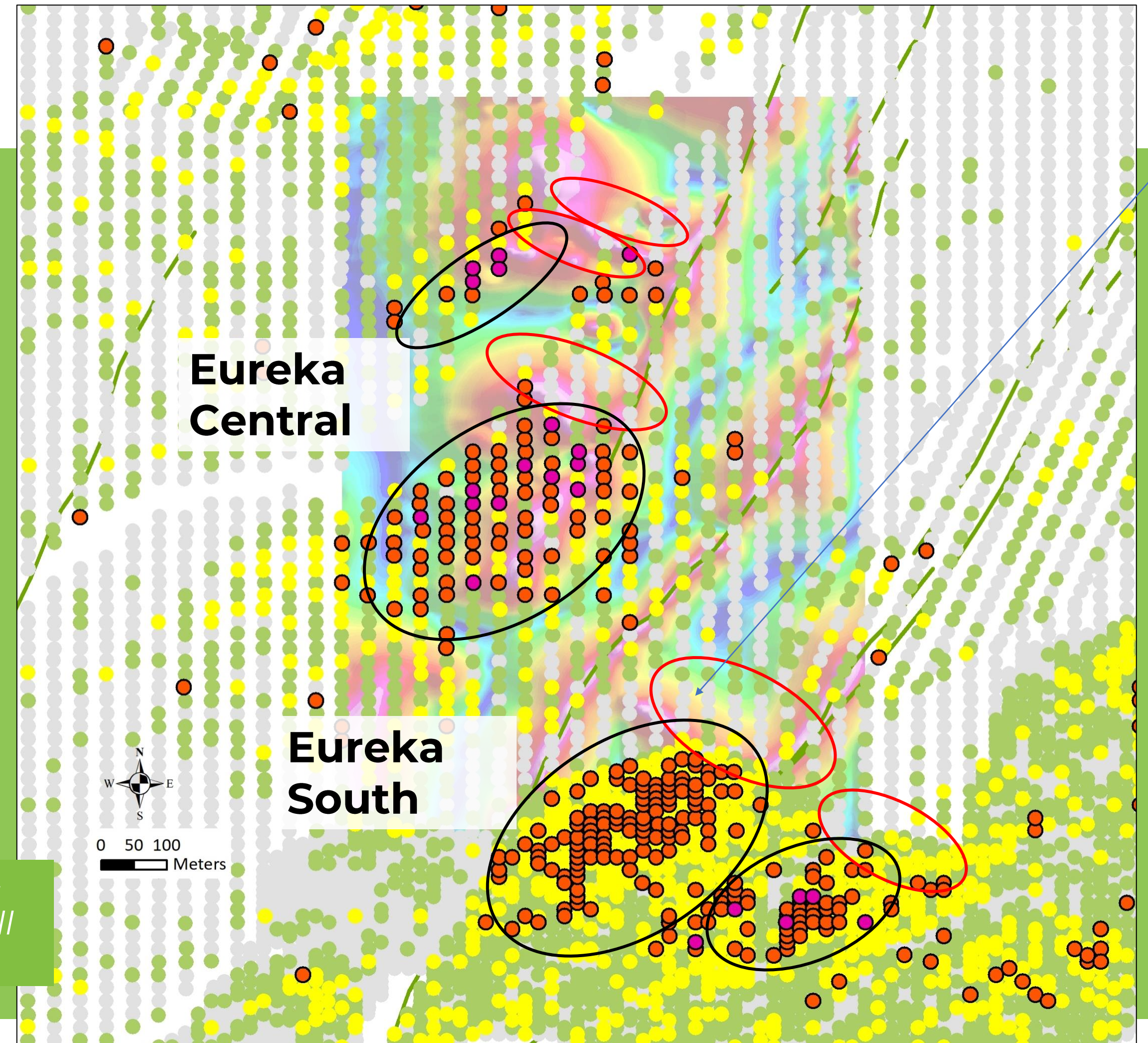


Flightec 2023 data set: PMC RTP Tilt

Eureka Geochem/Mag survey combined – interim results

- Formation of a SW tail from sub-cropping mineralization is clearly expressed at Eureka Central.
- **The expected target for primary mineralization at Eureka South seems to coincide with the linear NW-trending magnetic feature from the recent drone survey**
- Target is located just to the northeast of the previous drill collars (see previous slide).

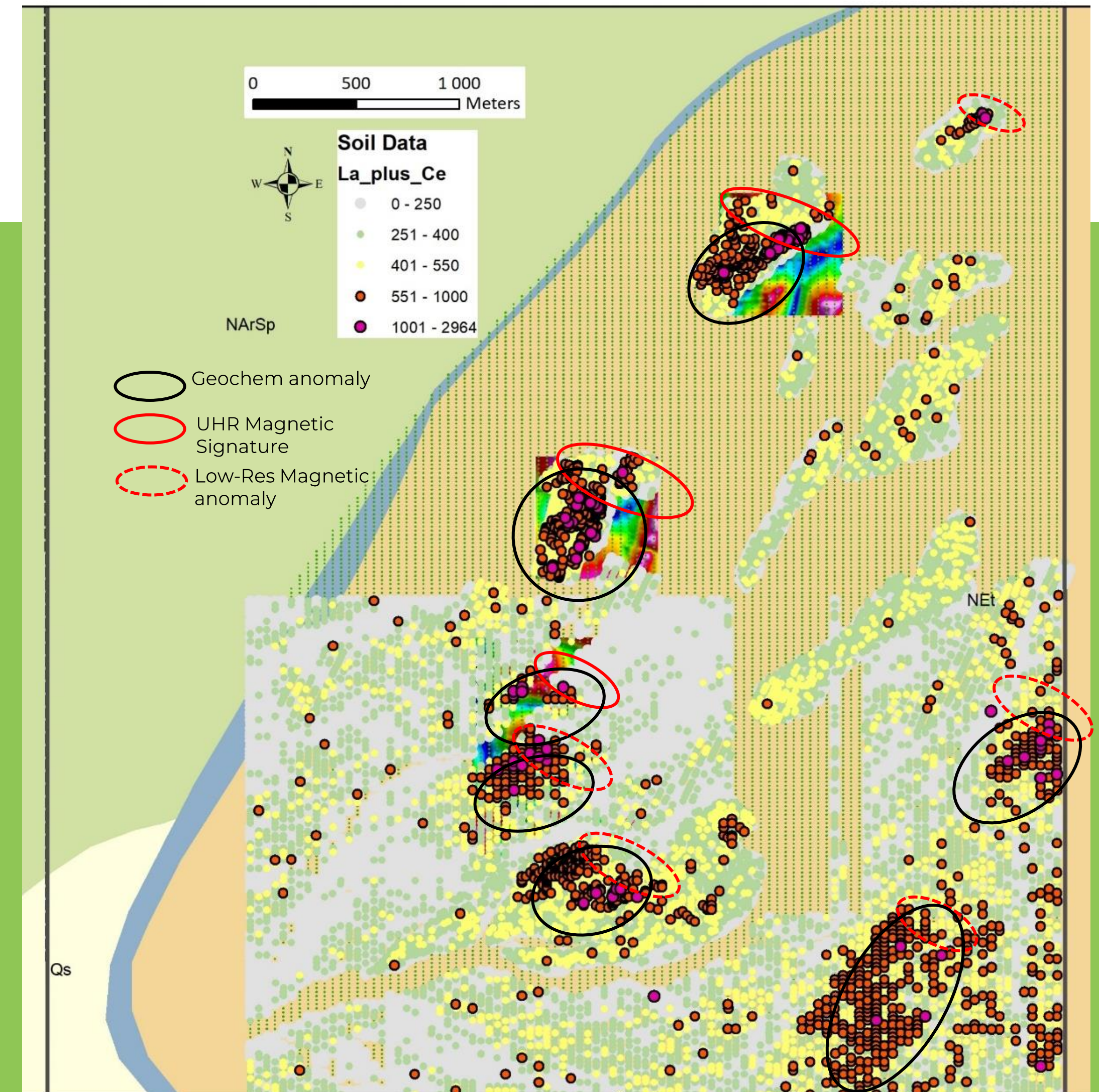
This is an initial interpretation - there will be more detail when all data is properly assessed



New Target Generation Model

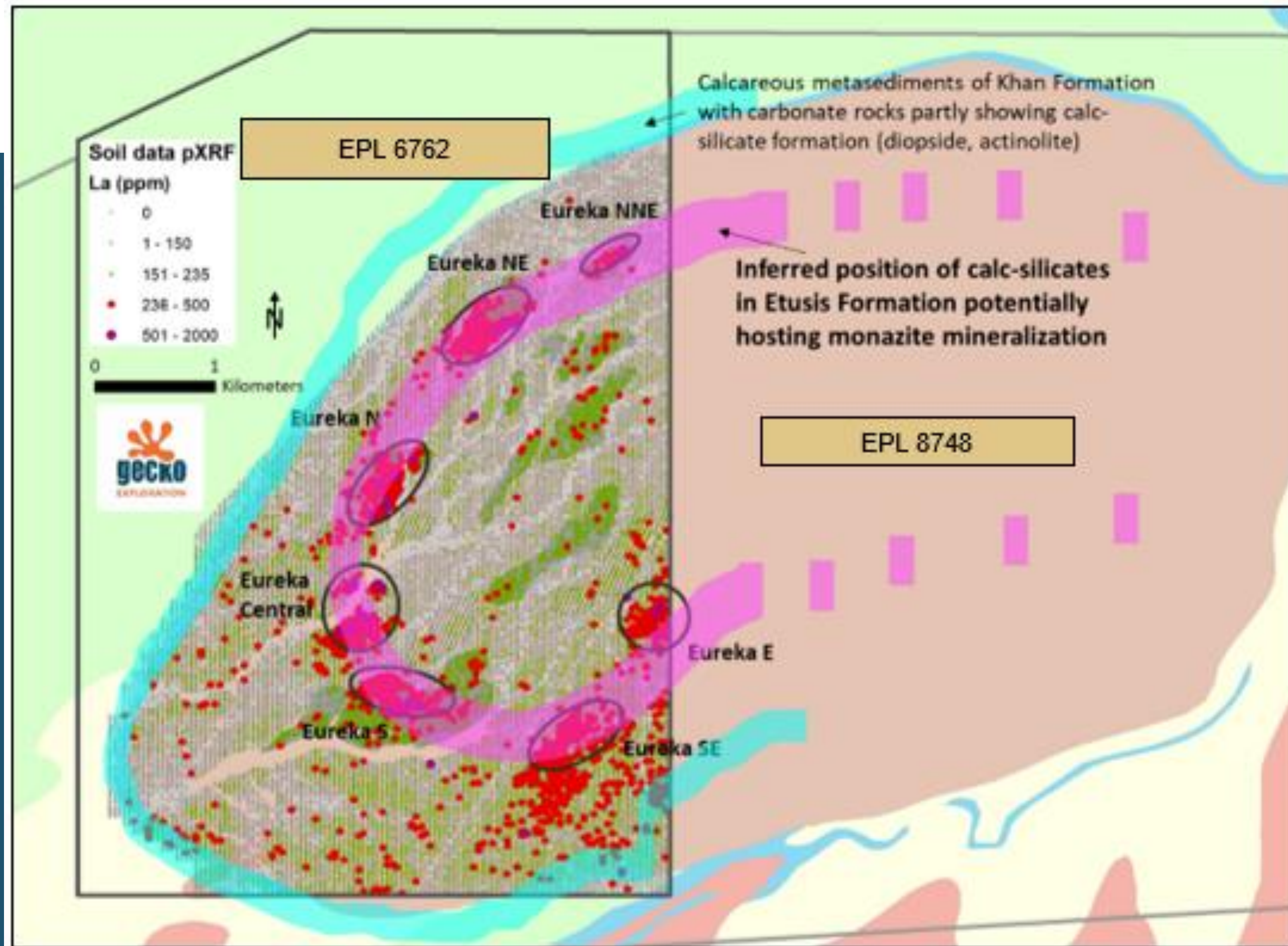
Sequence for drill targeting:

- + Identify REE Geochem signature size, intensity
- + Establish trend of soil migration
- ? Confirm mag anomaly up trend
- ➔ Model mag data
- + Ground truth target area for monazite
- + Trenching
- ➔ Drilling



Regional picture

- Geochem data puts Eureka Central (Zone 1-3) into perspective
- **New targets qualitatively and quantitatively of a similar order** of magnitude, presenting highly prospective new targets
- REE soil anomalies seem to follow a **specific pattern and position within the sedimentary sequence or dome structure based on:**
 - Stratigraphic control within the Etusis Formation (sedimentary carbonates or volcaniclastics)
 - Structural control in a specific position within the Eureka Dome
- A confirmed stratigraphy-control of mineralization will allow for focussed further exploration on Eureka and the new EPL8748



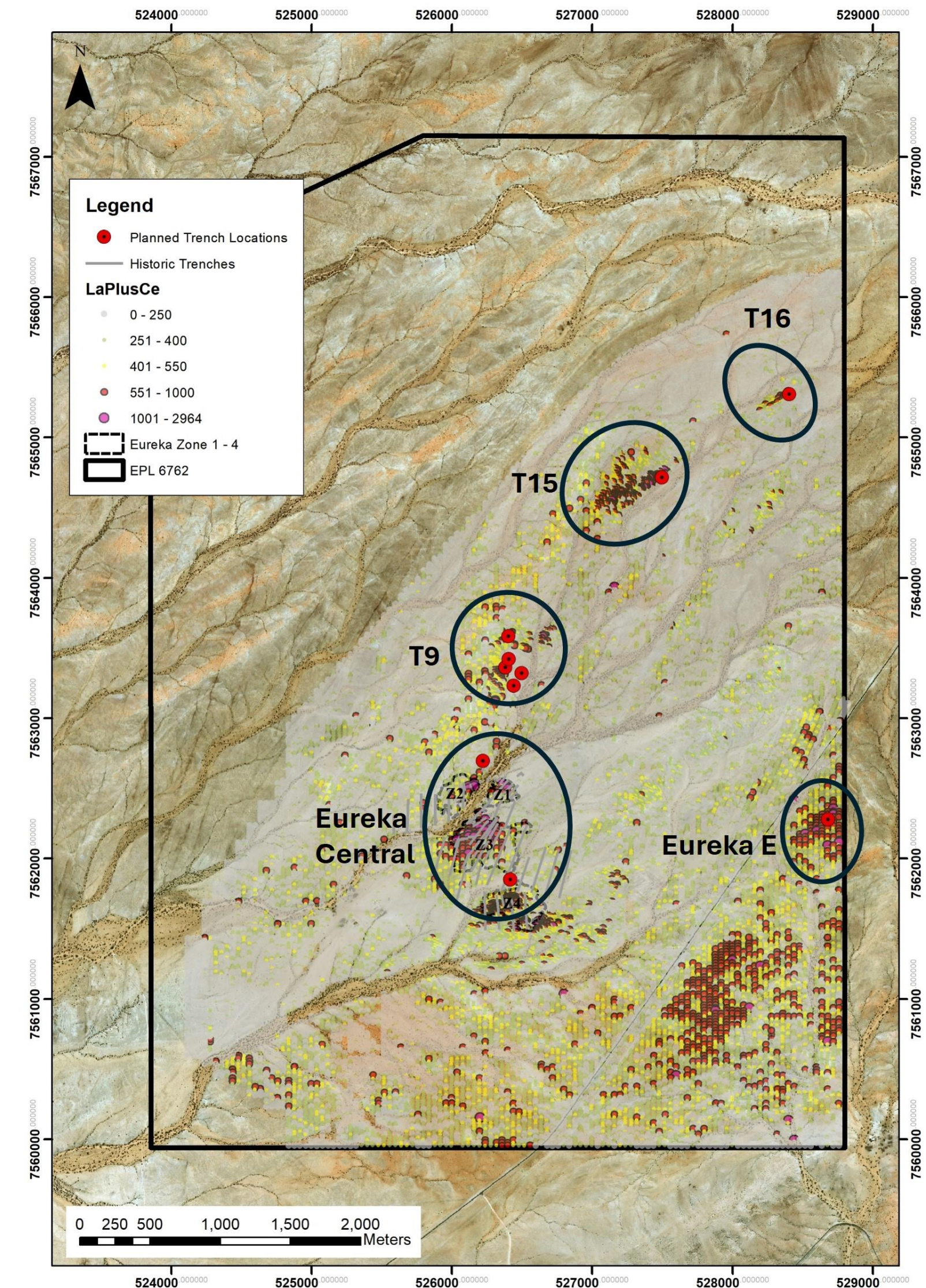
Priority target generation, ground truthing and validation

Ongoing:

- Target validation on EPL 6762
- Ground Truthing new targets (early positive results)
- Reconnaissance exploration on EPL 8748
- Metallurgical test work
- Data Analytics for precision targeting

Next Steps:

- Initiate trenching EPL 6762
- Existing Data analytics EPL 8748
- 2024 drill program development



SUMMARY

The high grade
REE mineralization

Simple mineralogy
with monazite

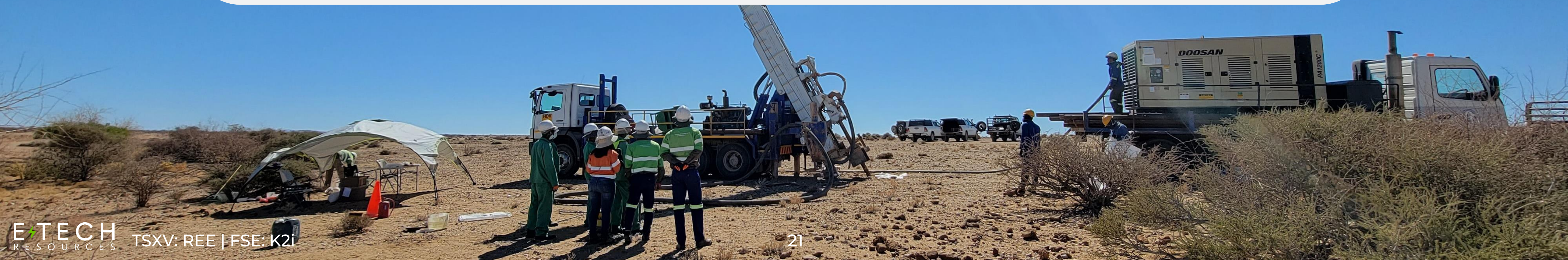
Coarse crystalline
monazite is amenable
to simple and cost-
effective processing

New targets of
similar scale to
proven EPL 6762
occurrences

Excellent accessibility &
infrastructure and no
community issues

No environmental red
flags, Namibia as
investment destination

Greenfield exploration
potential on EPL 8748



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.





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		94,638,197
Options		4,060,000
Warrants		2,181,667

Market Capitalization

Share Price		C\$ 0.06
Market Cap		C\$ 5,678,292
Cash		~C\$ 644,000

COMPANY DETAILS

Financials

As at 30 Sept 2023

THANK YOU

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contact@etech-resources.com

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