

Investor Presentation
11 December 2023

EXPLORING AUSTRALIA'S MOST EXCITING CRITICAL MINERALS HOTSPOT

Michael Walshe
Chief Executive Officer



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COMPETENT PERSON'S STATEMENT

The information in this announcement that relates to Exploration Results is based on and fairly represents information compiled by Mr Claudio Sheriff-Zegers. Mr Sheriff-Zegers is employed as an Exploration Manager for Voltaic Strategic Resources Ltd and is a member of the Australasian Institute of Mining and Metallurgy. He has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. He consents to the inclusion in this announcement of the matters based on information in the form and context in which they appear.

Section – 01

Profile
Projects
Outlook



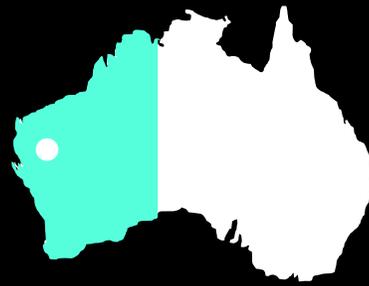
The right place, the right time

Strategically located critical metals portfolio prospective for lithium, rare earths, base metals and gold.

Accomplished corporate and technical team with extensive experience in REEs and other critical minerals.

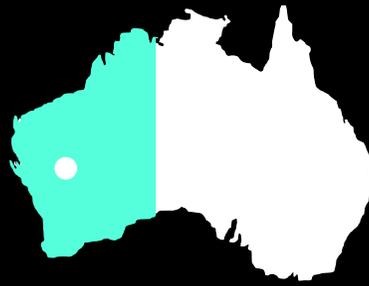
Growth potential – Strong cash position, low Enterprise Value ⇒ leveraged to exploration success.

Five projects in exploration hotspots vastly under-explored for critical metals.



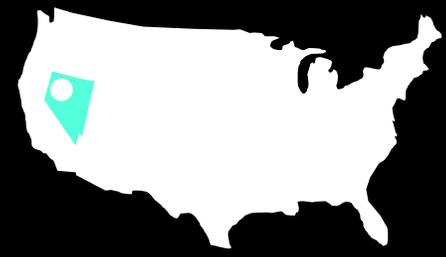
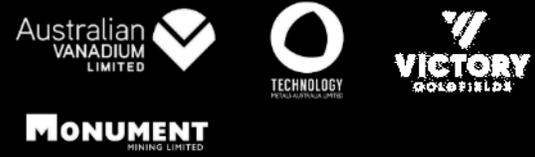
Gascoyne Region Western Australia

- Emerging critical minerals province (REE, Li, Ni-Cu-Co-PGE).
- Active neighbours in the region.



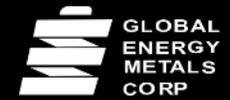
Meekatharra Region Western Australia

- Established gold district with two vanadium development projects.
- Active neighbours in the region.



Stillwater Range Nevada, USA

- Ni-Cu-Co project containing formerly producing Co mine.
- Global Energy Metals adjacent.

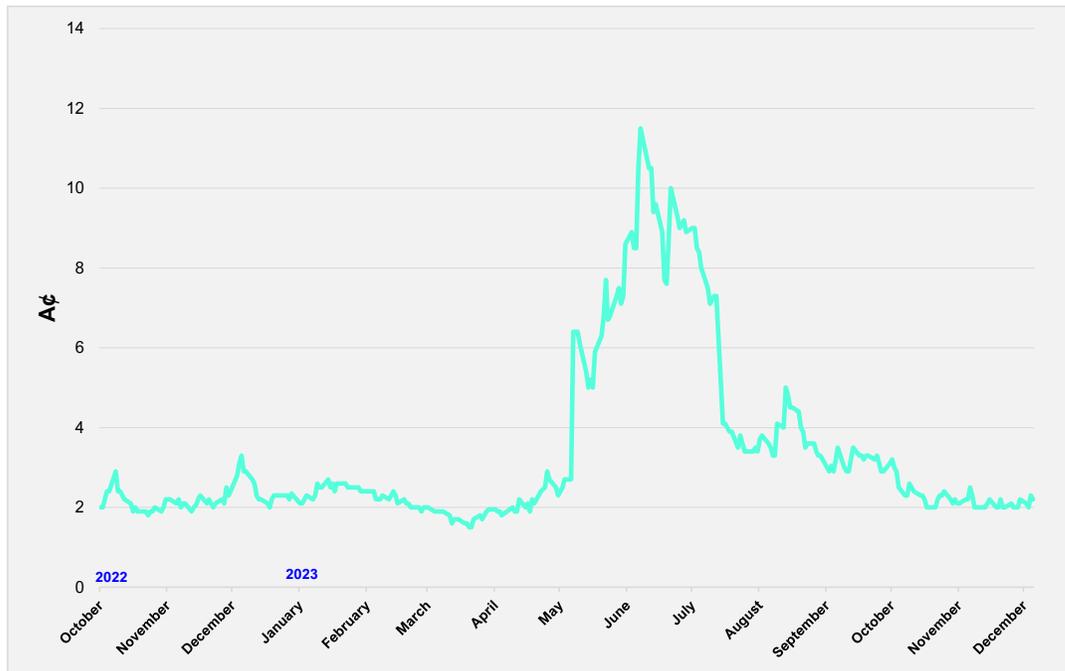


Corporate Snapshot

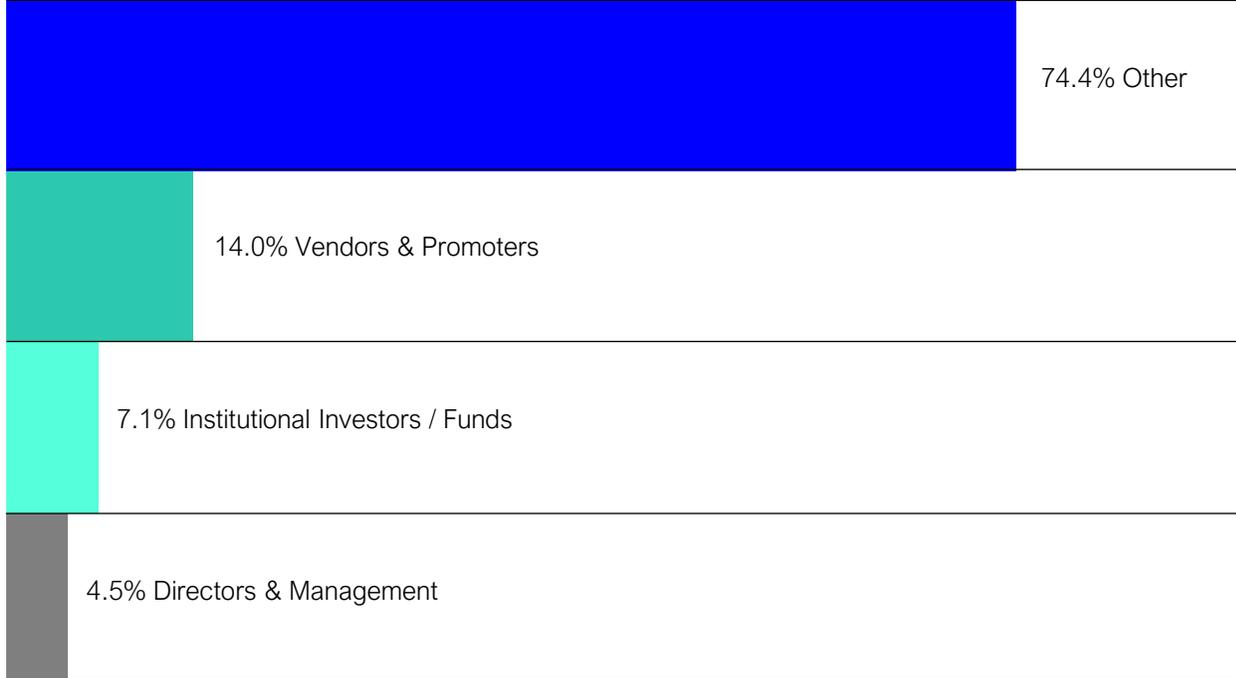
ASX:VSR

Share price A¢2.3 06 Dec 2023 52 week: High ¢12.5; Low ¢1.4	Market capitalisation A\$13m 06 Dec 2023	Debt Zero 31 March 2023	Cash A\$6.7m 31 Sept 2023*	Enterprise Value A\$6.3m 06 Dec 2023	Shares on issue 565m 483M shares free-trading 81.9M shares in escrow until Q4 2023	Options 81m 81M Listed options. (Exercise: 8¢, exp. 30/06/26) 371M unlisted options
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ASX Share price (A¢) Since relisting date (5 Oct 2022) to 06 Dec 2023



Ownership Undiluted



* See ASX:VSR release dated 31/10/2023 'Quarterly Activities/Appendix 5B Cash Flow Report'

Board and Senior Management

Proven discovery and corporate track record with strong technical expertise



John Hannaford
Chairman

BCom, CA, FFin

An experienced corporate executive with extensive experience in the ASX resources sector as a Corporate Advisor, Executive, Chairman, company promoter and investor. Qualified Chartered Accountant and Fellow of the Securities Institute of Australia. Experience in ASX financing, IPOs, RTOs, mergers and acquisitions.



Michael Walshe
Chief Executive Officer

B.Eng. (Hons) Chem., MIEAust
CPEng, MBA (Finance), MAusIMM

Over 15 years of international experience in engineering, operations, technology commercialisation, and project development across the minerals, chemicals, and renewable energy sectors. Spent 10 years with Metso Outotec, in various technical and senior management roles, covering all major commodities including lithium, rare earths, gold, and base metals.



Lachlan Reynolds
Non-Executive Director

BSc (Hons), MAusIMM, MAIG

Strong geological background with more than 25 years' involvement in mineral exploration, project development and mining. Worked with major mining groups including WMC in gold, nickel, copper and uranium projects covering a number of different regions. Served as an executive and senior manager for several ASX listed companies. Currently the MD of Mt Monger Resources Limited (ASX:MTM).



David Izzard
Non-Executive Director

B.Bus., CPA, MBA, MSc, GAICD

Highly experienced Executive and Non-Executive Director with extensive skills in all aspects of financial and commercial management at a senior executive level in both listed and unlisted companies. Instrumental in the formulation of joint ventures and distribution agreements, and steering companies through successful capital raising, IPOs and trade sale.



Simon Adams
CFO & Company Secretary

B.Bus., M. Acc.

Over 25 years of experience with listed (ASX and NASDAQ) and private companies in Australia where he has filled various executive roles across a range of industries including mining, aquaculture, finance and most recently in the upstream energy sector. Experience in the areas of corporate and financial management, corporate compliance and business development. Member of the Governance Institute of Australia.



Claudio-Sheriff-Zegers
Exploration Manager

BSc Minerals Exploration and Mining
Geology, MAusIMM

Discovered Asra Minerals' (ASX:ASR) Yttria REE and Critical Minerals deposit and was involved in Northern Minerals' (ASX:NTU) Browns Range Wolverine HREEs discovery. His expertise of mineralised systems throughout Australia, Indonesia and Chile covers target generation and systematic ranking, exploration and discovery through to resource drill-out, across a wide range of deposit types.

Section – 02

Profile
Projects
Outlook



2023 in Review

Voltaic's Inaugural Year

Dedicated to 'boots on the ground' fieldwork:

- Actively progressing 2 early-stage projects to their initial drilling phase
- Identification of a substantial pipeline of targets for follow up in 2024

Ti Tree **Lithium** project:

- Extensive surface geochemical sampling campaigns
- Identified several prospective Lithium target areas
- Conducted a modest 5,000m exploration drilling campaign greatly improving geological understanding of the region
- Sets us up for a very active 2024 as we advance our most prospective targets

Paddys Well **REE & Lithium** project

- Identified a large clay-hosted REE system at the Neo prospect from maiden drilling
- Completed metallurgical testing showing REEs are extractable via leaching
- Pegged significant amount of additional land at Paddys Well due to the prospectivity for both REEs & Lithium

Strong cash position

- Finishing 2023 with a stronger treasury than when we started 15 months ago



Gascoyne Projects

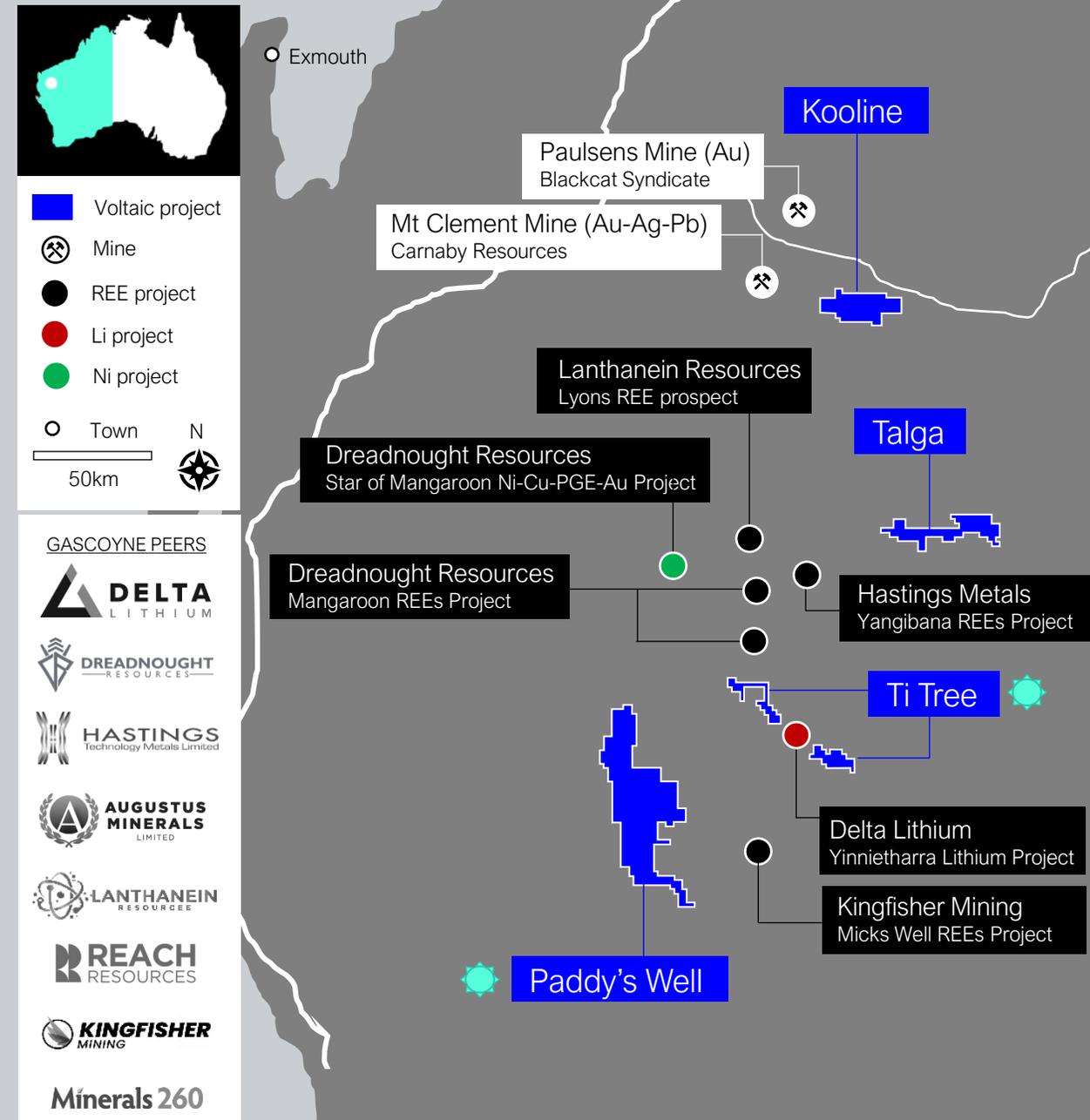
Critical metals portfolio in Western Australia's most exciting exploration hotspot.

Primary Project 1 **Ti Tree Lithium Project**

- >200 km² project with no prior systematic exploration for Lithium.
- Along strike of Delta Lithium's (ASX:DLI) Yinnietharra Li project where a major drill program is underway (>250,000m) with early results of 56m @1.12% Li₂O*.
- Highly prospective geology with extensive pegmatite outcrop across 80km metasedimentary schist / greenstone corridor
- Systematic on-ground exploration program has continued throughout 2023 generating several promising prospects

Primary Project 2 **Paddy's Well REEs Project**

- Large landholding (1,300km²) in highly active REE** exploration 'hotspot'.
- Both primary carbonatite and clay-hosted REE potential, with additional Lithium prospectivity.
- Widespread anomalous REEs identified from drilling (~80m intervals from surface). Metallurgical testing showing REEs are extractable via leaching
- Further ground acquired to the west along prospective corridor ⇒ one of largest landholdings in the region.



* From 94m, reference: ASX:DLI announcement dated 29/11/2023 'AGM Presentation'

**REE: Rare Earth Elements

Ti Tree Lithium Project



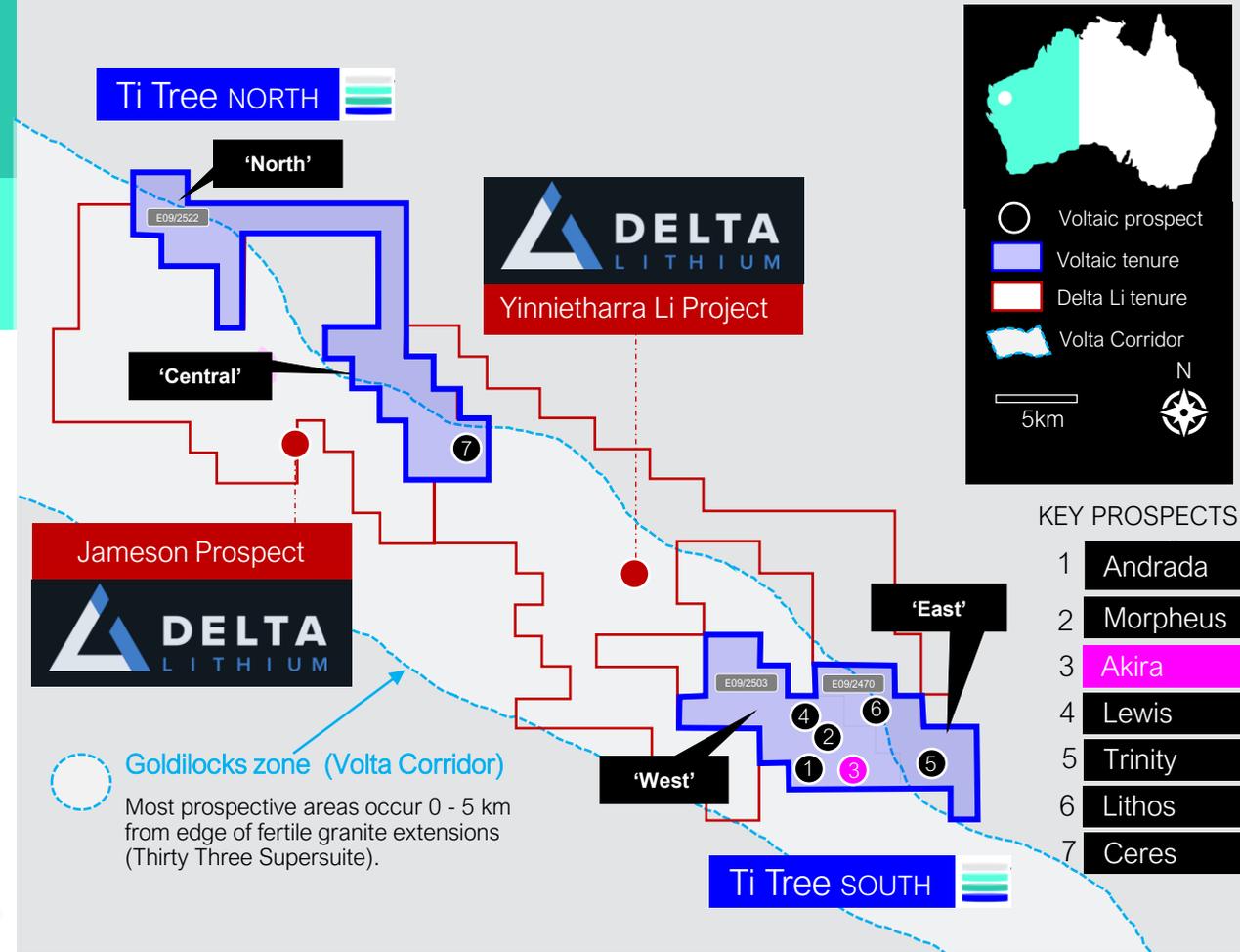
Potential for globally significant Li project

Only scratching the surface so far

- Extensive surface reconnaissance & modest (~5,000m) exploration drilling campaign undertaken in 2023
- Several hundred identified pegmatite outcroppings
- Most prospective parts yet to be tested with **>50 regional prospect areas**
- Results from **Akira** display very encouraging LCT* indicators:
 - High tantalum & niobium
 - Large halo of anomalous Li - 110m @369ppm Li₂O (ANDRC056) (from surface)
 - Rubellite crystals visually identified
- Progress made on granting of outstanding tenement applications
 - Underlain by highly prospective mafic / greenstone corridor

Along strike of Delta Lithium's 'Yinnietharra Lithium Project'

- Highly aggressive drill program underway by Delta with plans for up to 300,000m in 2024 (2,000+ holes)**
- Strong backing from Mineral Resources, Hancock Prospecting, Idemitsu, & Lithium Royalty Corp.

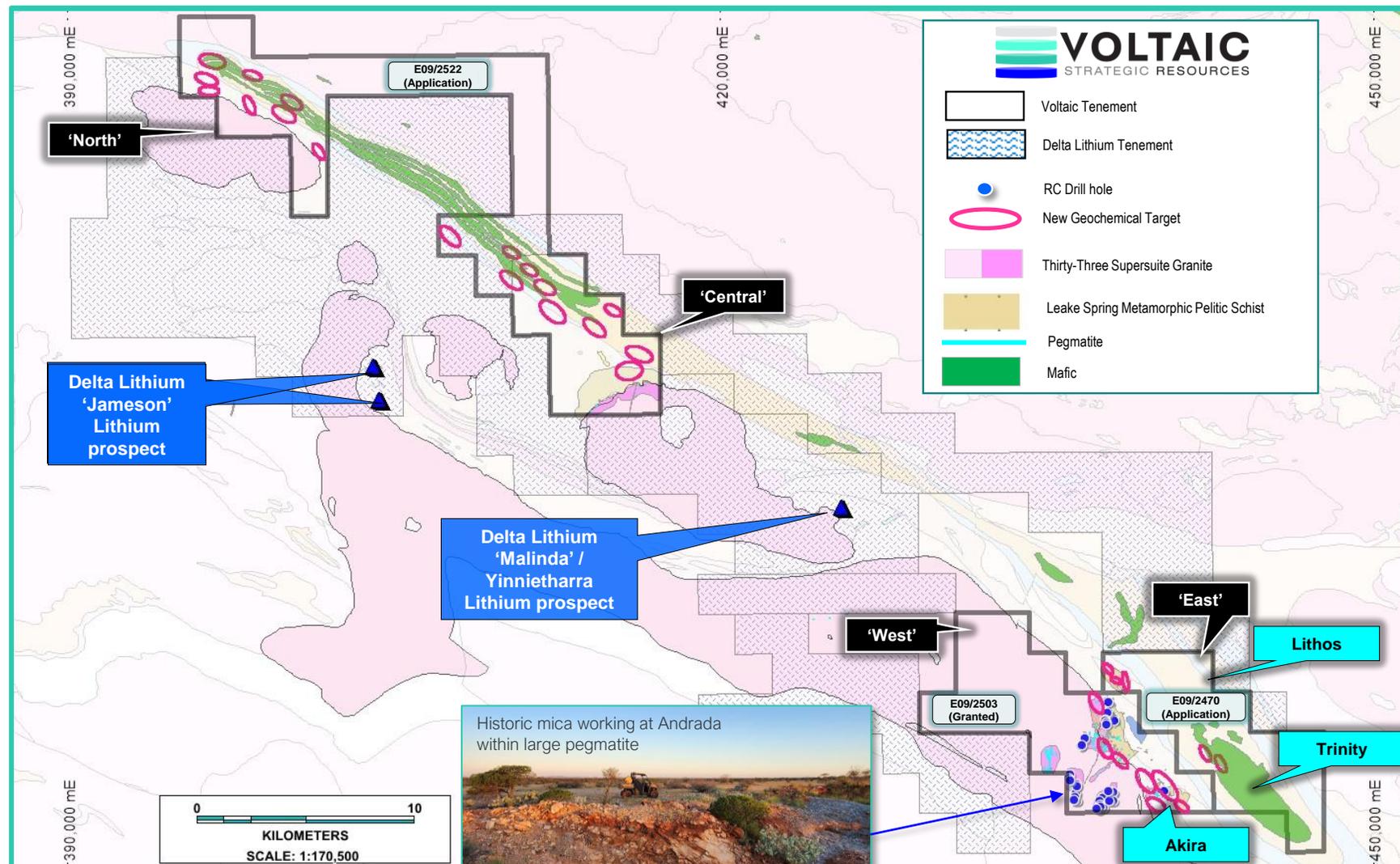


Volta Corridor

Over 80km cumulative strike length metasedimentary schist / greenstone/ granite corridor along the major *Ti Tree Shear* zone, 40km of which underlays Voltaic's tenure.

The 'Volta' Corridor

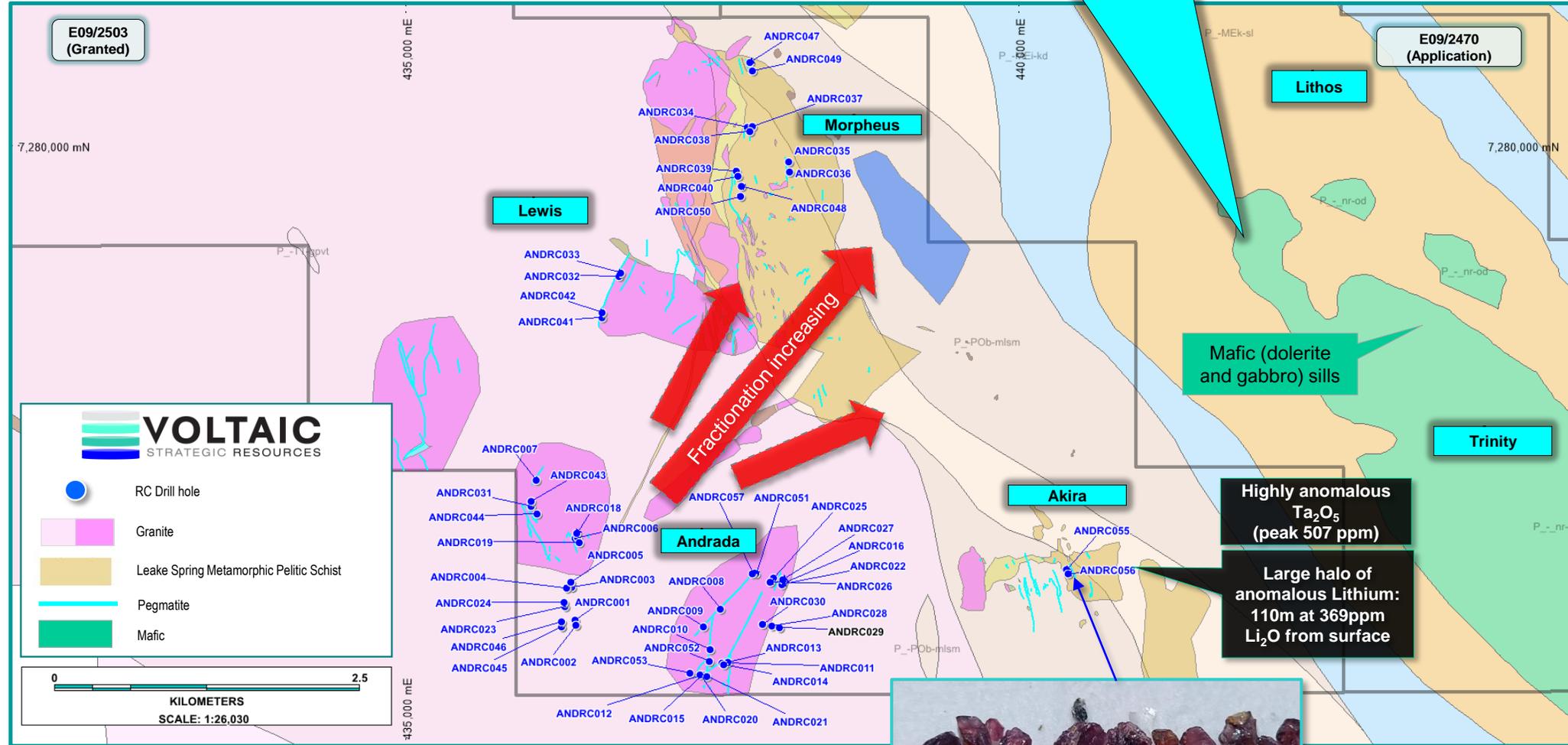
- 80km prospective schist / greenstone/ granite corridor along the major *Ti Tree Shear* zone.
- VSR tenure contains the largest portion of mafic intrusives across entire corridor
- Historically, pegmatites were worked for gemstones & mica
- Highly prospective geology for LCT
- Extensive pegmatite outcrop across 80km Volta.
- Evolved rare metal pegmatites confirmed utilising geochemical fertility signatures
- Ore and pathfinder elements follow a 'classic' fractionation trend, i.e. enriching rare metals (Li, Cs, Ta) at higher fractionation indices



Maiden Exploration Drilling at Ti Tree South

Several targets that remain to be tested across highly prospective mafic / greenstone belt

- Modest ~5,000m of exploration drilling undertaken in 2023
- Several large (+100m) wide pegmatites intersected at Andrada in stacked emplacement
- Only two holes thus far at 'Akira' – with very promising Geochem
- Elevated Ta & wide anomalous Li halo
- 1m @ 507ppm Ta₂O₅ & 1,239 ppm Nb₂O₅ from 27m
- 110m @ 369ppm Li₂O from surface

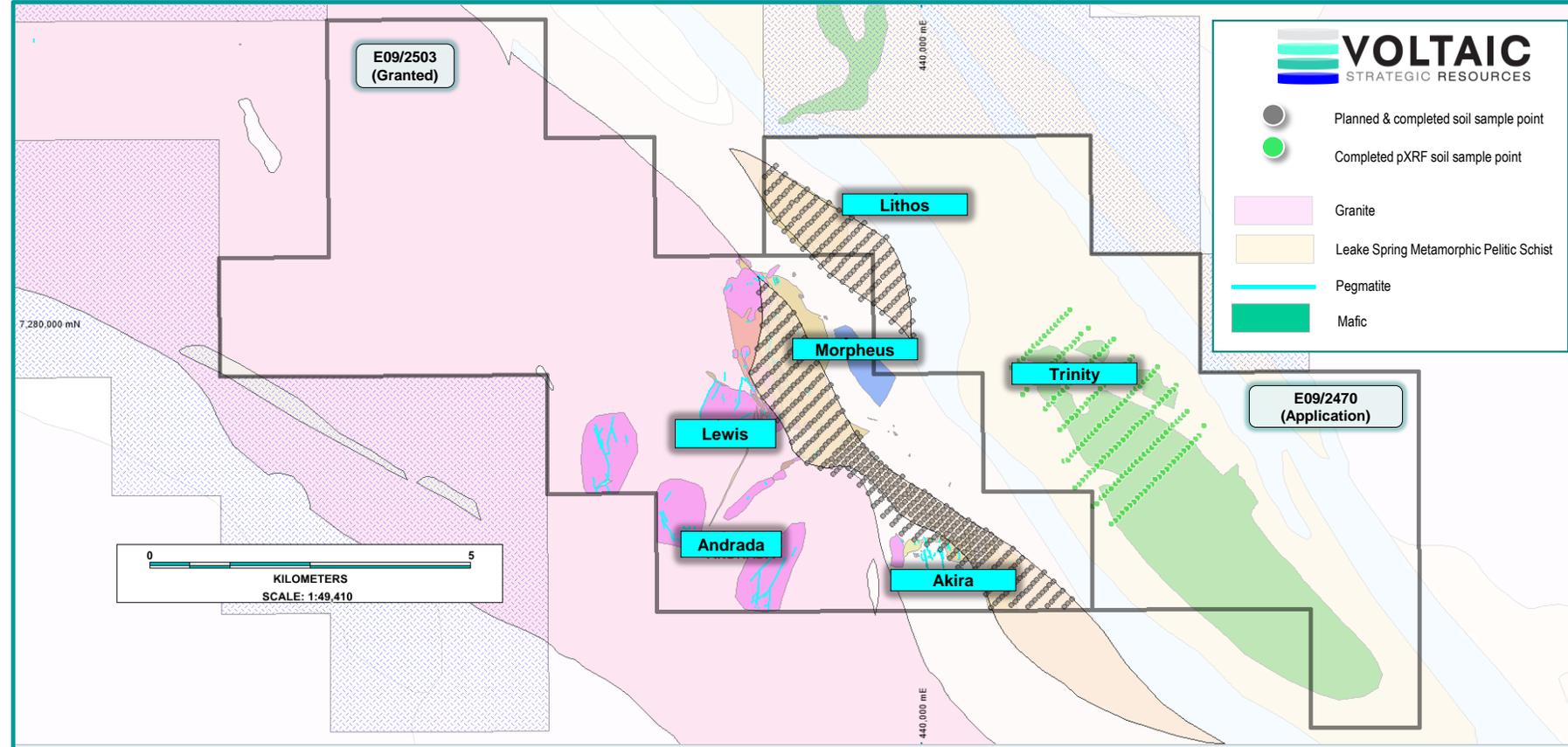


Geochemical targeting ongoing with regional soil sampling

Ti Tree South



Ongoing soil surveys



Aiming to complete soil sampling across entire Leake Spring Metamorphic (LSM) schist by December 2023 (Akira, Morpheus & Lithos), across prospective large mafic system at Trinity by mid-Jan 2024

Prospect generation ongoing across northern Ti Tree

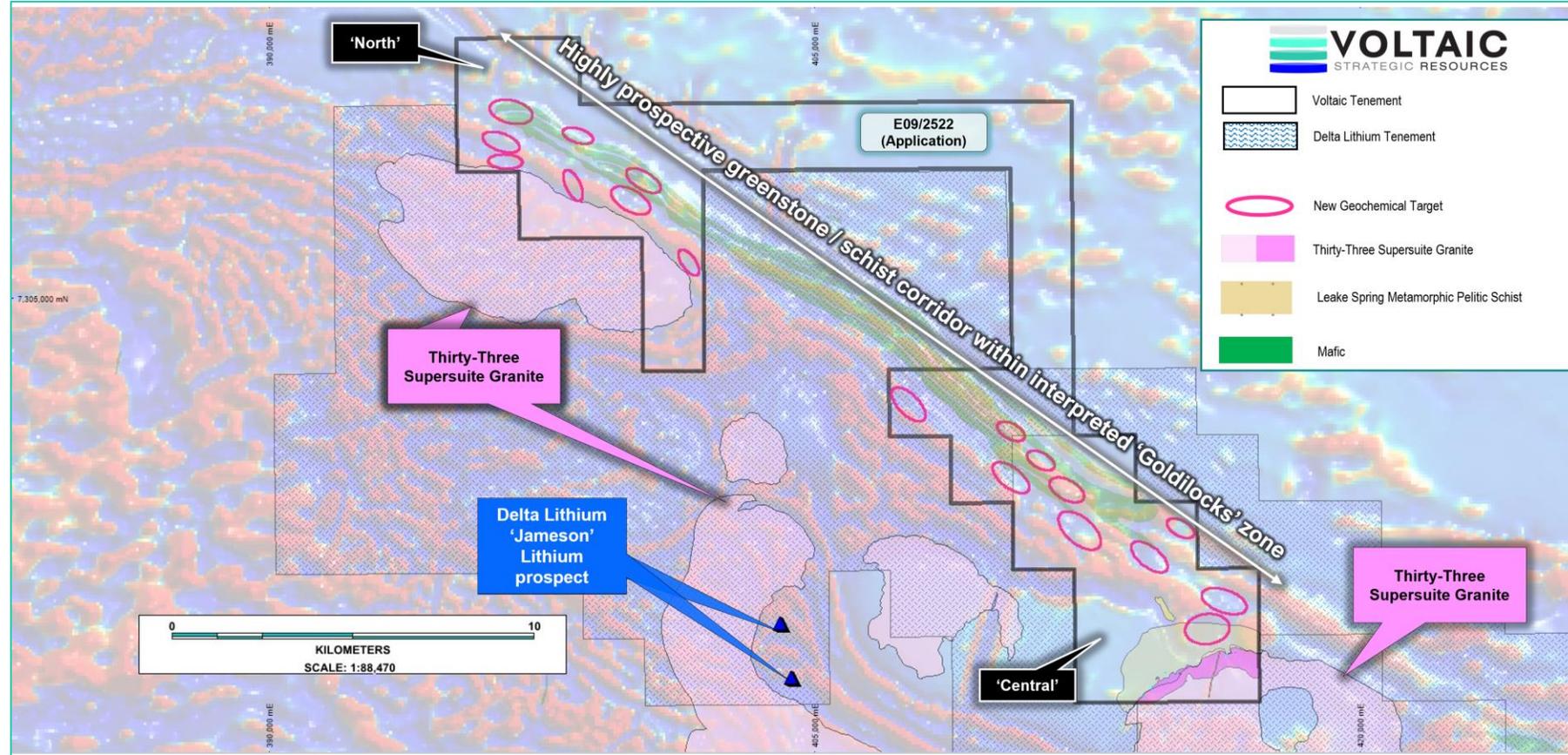
Ti Tree North & Central: < 5% of area explored to date



Laser induced breakdown spectroscopy (LIBS) handheld analyser for direct Lithium detection



Surface reconnaissance at Ti Tree Central



Aiming to complete soil sampling & surface reconnaissance campaigns across Ti Tree North & Central early Jan 2024 with potential drilling campaigns post tenement grant (estimated Q1 2024)

Ti Tree – Completed & Planned Activities

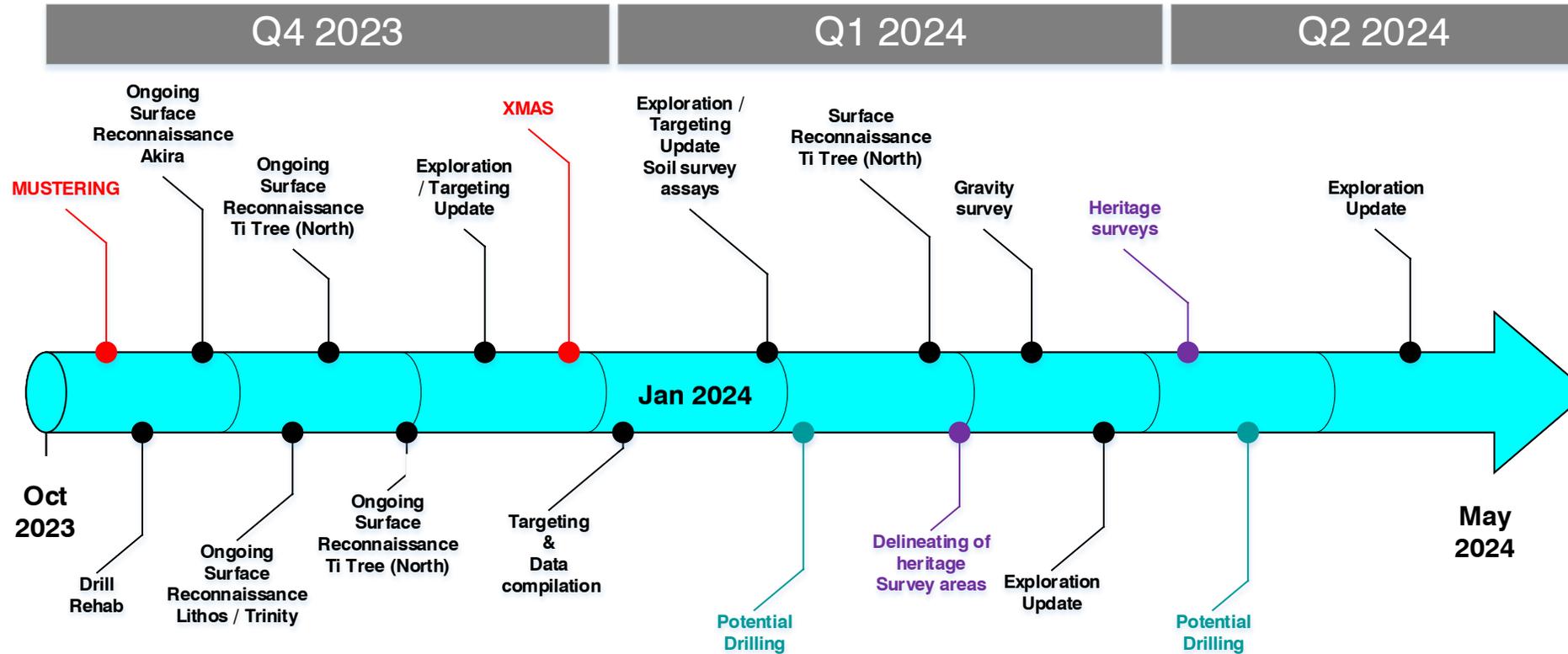
Immediate focus

December 2023:

- Soil sampling + surface exploration ongoing until end of year aiming to complete surveys at Akira, Morpheus & Lithos
- Commence soil survey at Trinity
- Commence detailed reconnaissance at Ti Tree Central & North

Jan 2024:

- Continue with soil sampling and surface exploration
- Progress with granting of 'application' stage tenements
- Delineate next generation of drill targets
- Potential drilling



Paddy's Well Project



Lithium & Rare Earth Elements (REEs) potential across extensive 1,300km² land package

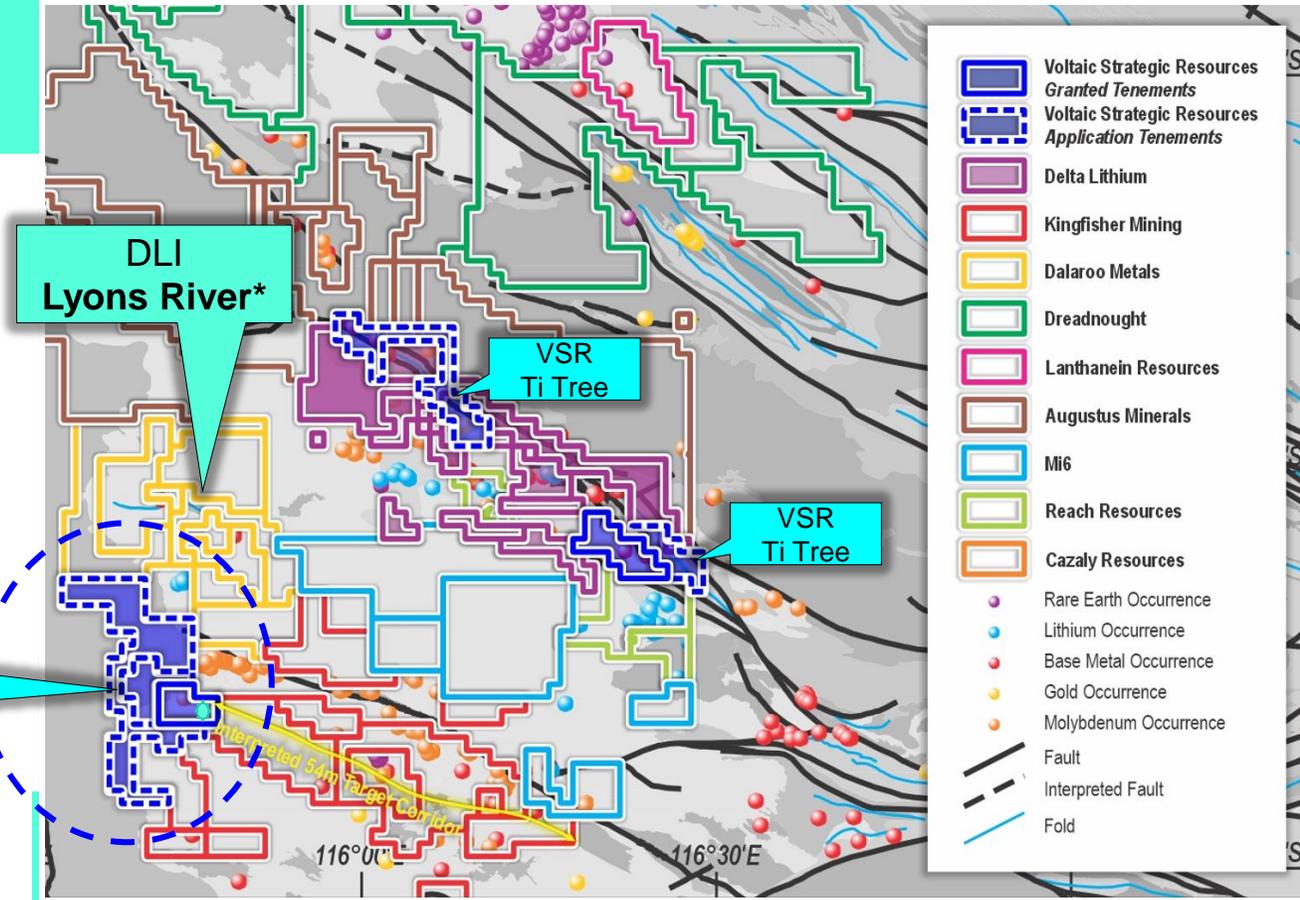
REEs already identified by VSR

- Both primary carbonatite and clay-hosted REE potential, with additional **Lithium** prospectivity.
- Widespread REEs within clay identified from maiden drilling at 'Neo' prospect and metallurgical testing showed that the REEs are extractable via leaching
- Several primary REE carbonatite targets identified from geophysical & surface pXRF surveys
- Further ground acquired to the west along prospective REE corridor.

Untapped **Lithium** potential

- Several newly identified granites and pegmatites
- Considerable felsic/gneissic units with abundant cross-cutting pegmatites.
- Never previously explored for LCT
- Proximal to historical Tantalum mine / process plant (Arthur River)

VSR
Paddys Well



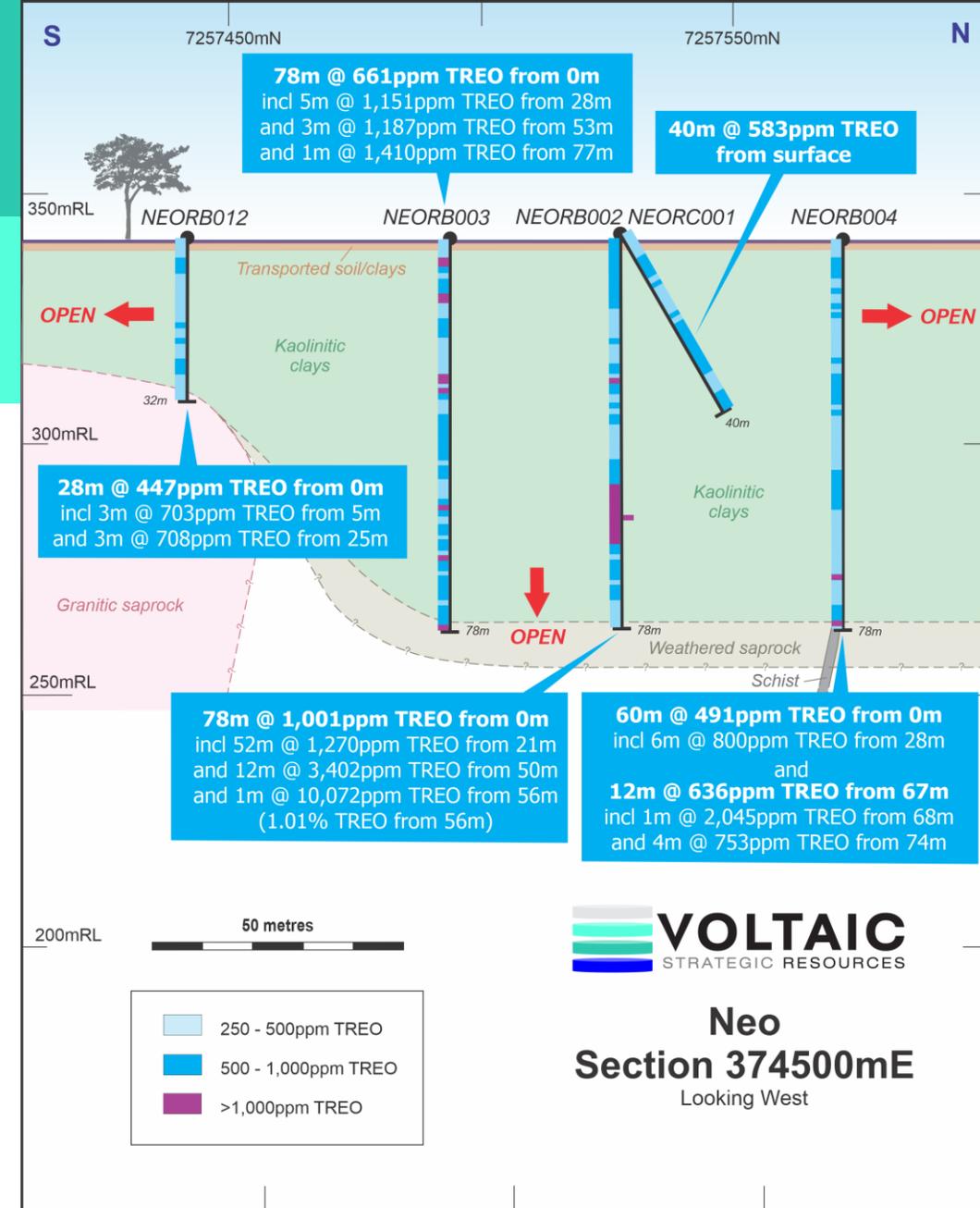
*Lyons River project (Dalaroo Metals Ltd / Delta Lithium Ltd)

Delta Lithium recently acquired the LCT Mineral Rights at the Lyons River Project which is proximal to Paddys Well.

* Refer Delta Lithium (ASX:DLI) announcement dated 01/12/2023 'Delta acquires LCT Mineral Rights at the Lyons River'

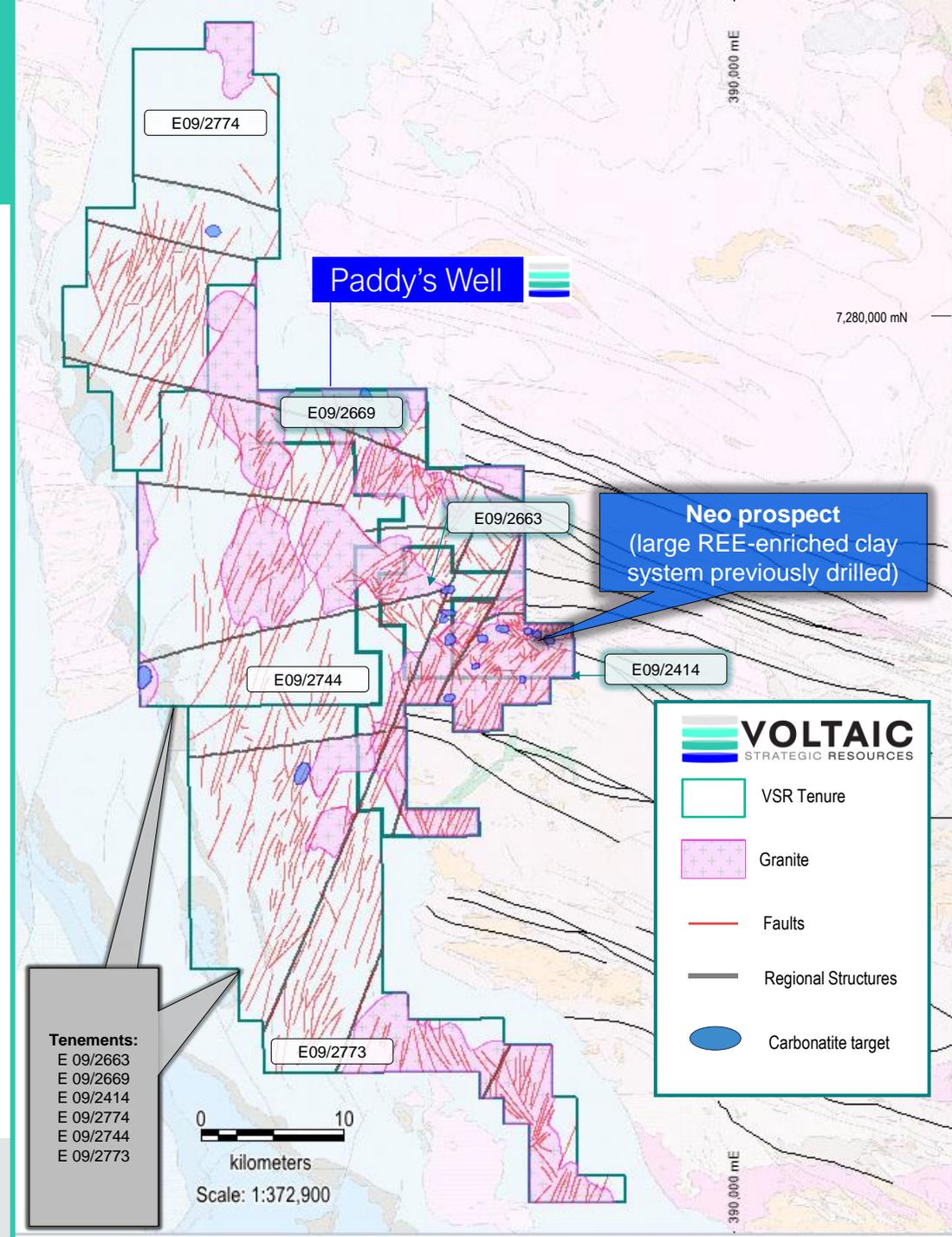
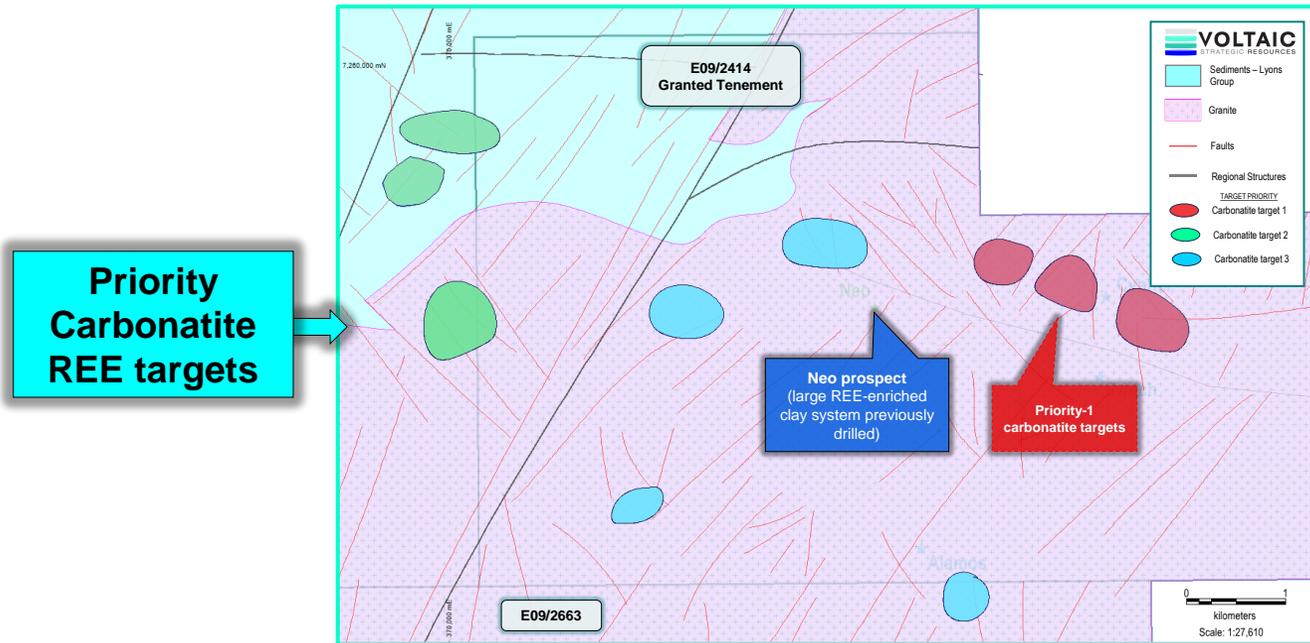
Drilling confirmed significant clay-hosted REE system at Neo

- Grades up to 10,072 ppm TREO (1.0% w/w TREO).
- Significant REE intercepts up to 78m from surface, potentially one of the widest reported in Australia.
- Encouraging high ratio of 'magnet' REEs to TREO (peak: 30%).
- Significant assays from initial two holes (open at depth and along strike)
NEORB002 78m @ 1,001 ppm TREO (23% Magnet REO) from surface.
- Preliminary metallurgical testwork demonstrated REEs can be recovered using simple hydrochloric leach at ambient conditions



Carbonatite (REE / Niobium) targets

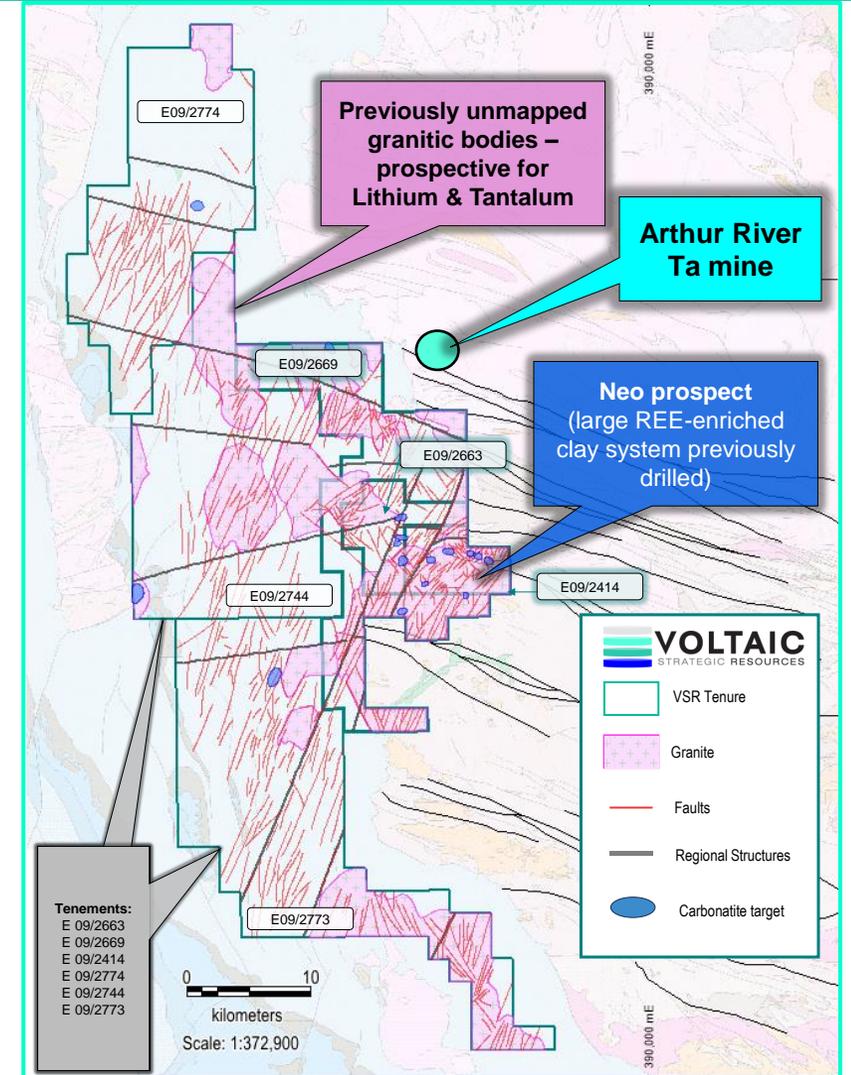
- 16 high-priority potential carbonatite intrusions identified from geophysical survey ⇒ prospective for REE & Niobium
- Numerous previously unmapped fault structures identified across a large portion of the project area that are prospective conduits for mineral fluids
- Several targets are in close proximity to the Neo prospect area where recent drilling identified a large, near-surface REE-enriched clay system



Paddys Well Project - Lithium Potential

- Several newly identified granites and pegmatites mapped
- Proximal to historical Tantalum mine / process plant (Arthur River)
- Focus going forward is on LCT pegmatites
- Considerable felsic/gneissic units with abundant cross-cutting pegmatites
- Never previously explored for LCT

Arthur River Tantalum Plant



Paddys Well – Completed & Planned Activities

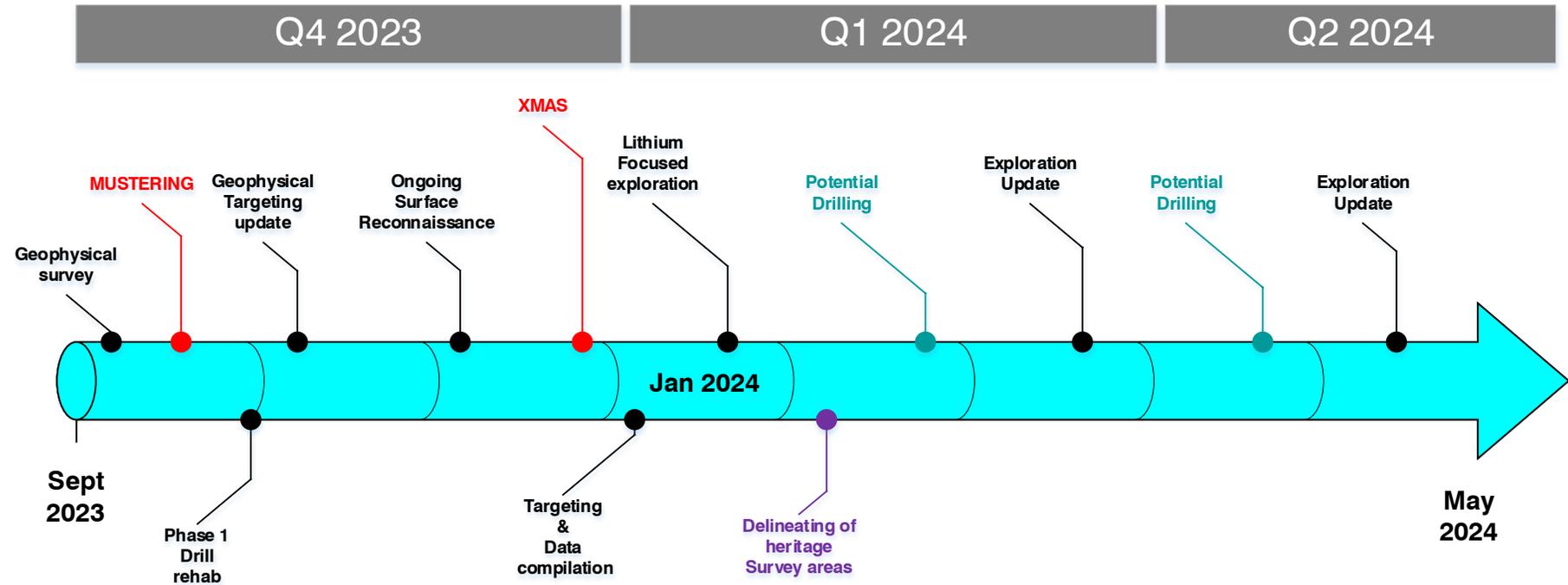
Immediate focus

November / December 2023:

- Soil sampling and surface exploration completed at several carbonatite REE / niobium target areas
- Target generation

Jan / Feb 2024:

- Commence **Lithium-focused** exploration and targeting
- Potential drill testing Feb 2024



Section – 03

Profile
Projects
Outlook



Strategic ambitions going forward



Projects



- Strategic review of the Company's portfolio of projects ongoing inclusive of:
 - Review of new acquisitions that fit the Company's Critical Minerals strategic ambitions
 - Review of divestment / joint-venture opportunities within Company's existing portfolio of noncore assets
- Ambition remains to make a material Critical Minerals discovery as soon as possible

Capital Management



- Custodianship of shareholder capital remains a top priority for the Company
- The Company is closing 2023 with a full review of its cost structure to ensure that there is maximum investment in value adding exploration activities going forward
- Cost-cutting initiatives under review to maximise exploration expenditure incl. cutting of nonessential discretionary expenditure
- Collaboration ongoing with peer exploration companies in the region to share certain costs

2023 Highlights



- 2023 was a milestone year for Voltaic, having only listed in Q4 2022.
- The majority of our time was dedicated to 'boots on the ground' fieldwork, actively progressing 2 early-stage projects.
- Additional funding secured during the year on the back of the prospectivity identified at the Gascoyne projects
- The Company finish 2023 with a stronger cash balance than when we started exploration 15 months ago

Exploring Australia's newest critical minerals region

Why you should invest in Voltaic Strategic Resources.



Projects



- Significant landholding in one of Australia's most active Critical Minerals exploration hotspots
- Two primary Critical Minerals (Li & REEs) projects with advanced targets, an aggressive exploration strategy & several major news-flow events forthcoming for 2024
- Supporting commodity, geological and geographical optionality across four additional projects

Market



- Battery and critical minerals face serious supply constraints as the world's electrification gathers pace.
- Critical minerals supply is a key strategic objective for most countries

Quality team



- Our experienced leadership team has the vision and focus to execute on our strategy to find, develop and monetise new battery and critical minerals supply.
- Highly experienced technical team with strong skillset in geology, processing / metallurgy

Connect with us

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Appendices

Additional Projects &
Tenement Information



Talga Project

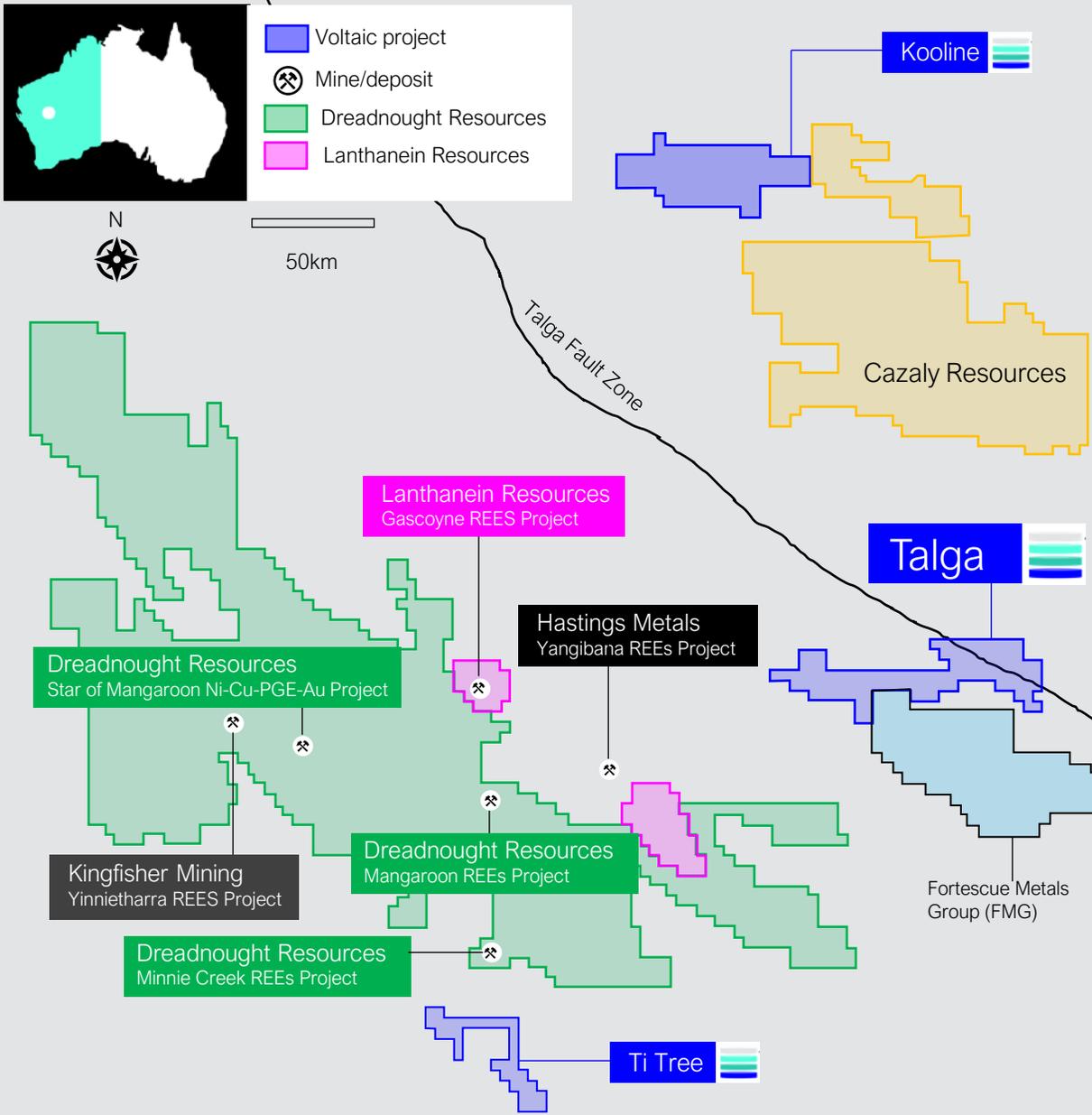
²⁸Ni
²⁹Cu
²⁷Co
^{46/78}PGE
²⁵Mn

Opportunities for magmatic Ni-Cu-PGE mineralisation & Co-bearing Mn

Encouraging historical results

- Covers the north-western extent of the Edmund Basin (Ashburton Basin).
- Contains the 'Talga Fault Zone' (TFZ), major NW-SE trending litho-structural contact that has shown historical potential for both magmatic Ni-Cu-Co-PGE and cobalt-bearing manganese mineralisation.
- Prior VTEM survey identified numerous targets – never drill tested
- Same geophysical signature as Dreadnought's "Money Intrusion" nickel prospect at the Mangaroon Project.

Reconnaissance planned for Q1 / Q2 2024



Kooline Project

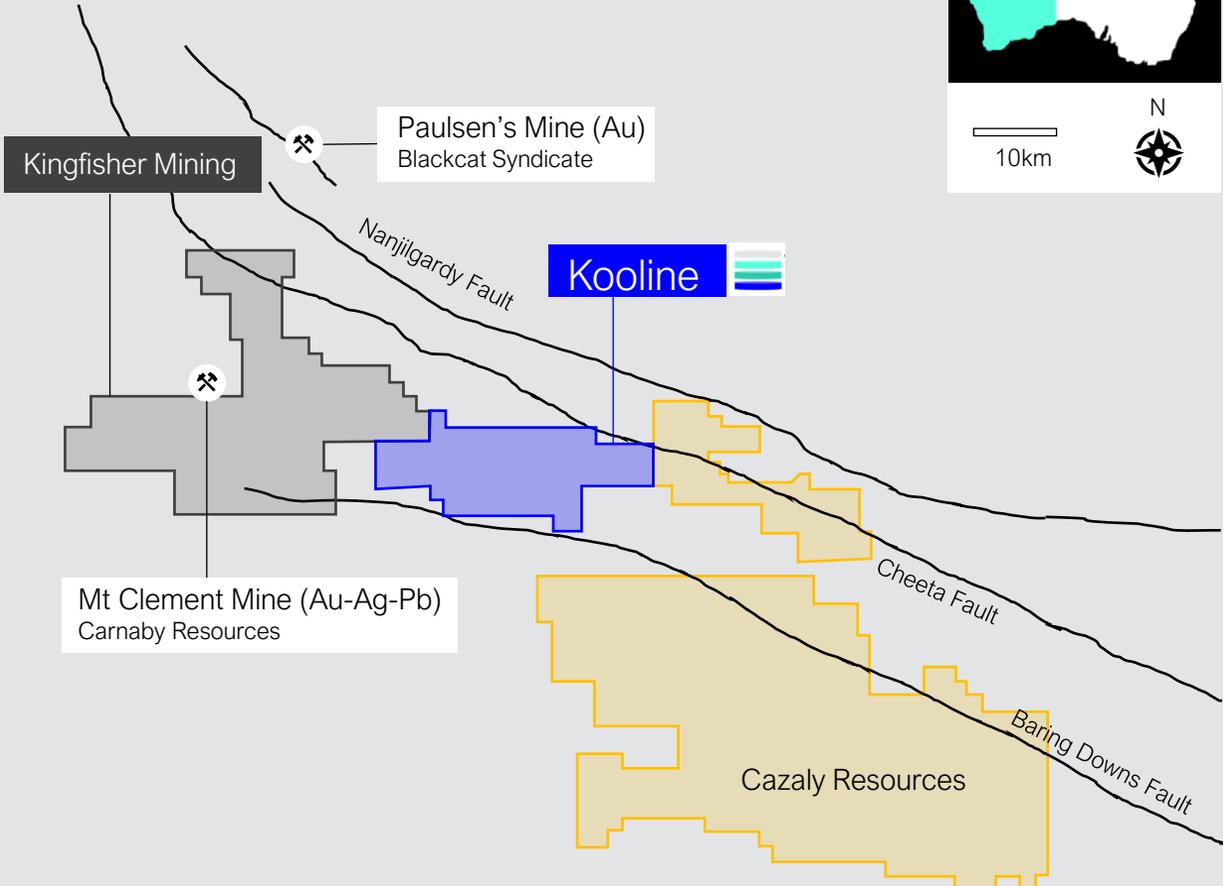
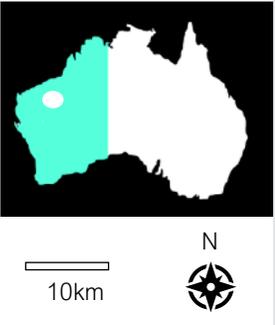


Potential orogenic Cu-Au and Cu-Ag-Pb-Zn deposits 40km from Paulsen's Gold Mine (900Koz produced since 2005).

A geographical area rich in potential.

- Previously identified as a high priority target area by North Star Resources.
- Lies within the W-NW trending regional Wyloo anticlinal dome, which is prospective for mesothermal, orogenic Au deposits, such as Paulsen deposit, which has mineralisation within structurally controlled quartz veins.
- Historical surface sampling & subsequent shallow drilling by NSR identified gold anomalism, which was not followed up.
- Neighbours Kingfisher Mining and Cazaly Resources have had recent exploration success (Boolaloo and Ashburton Projects, respectively).

Maiden Reconnaissance completed Q3 / Q4 2023. Follow-up work planned Q2 / 3 2024



Meekatharra projects



Three projects within a prolific gold and critical minerals precinct in Western Australia which has produced >35Moz of Au.

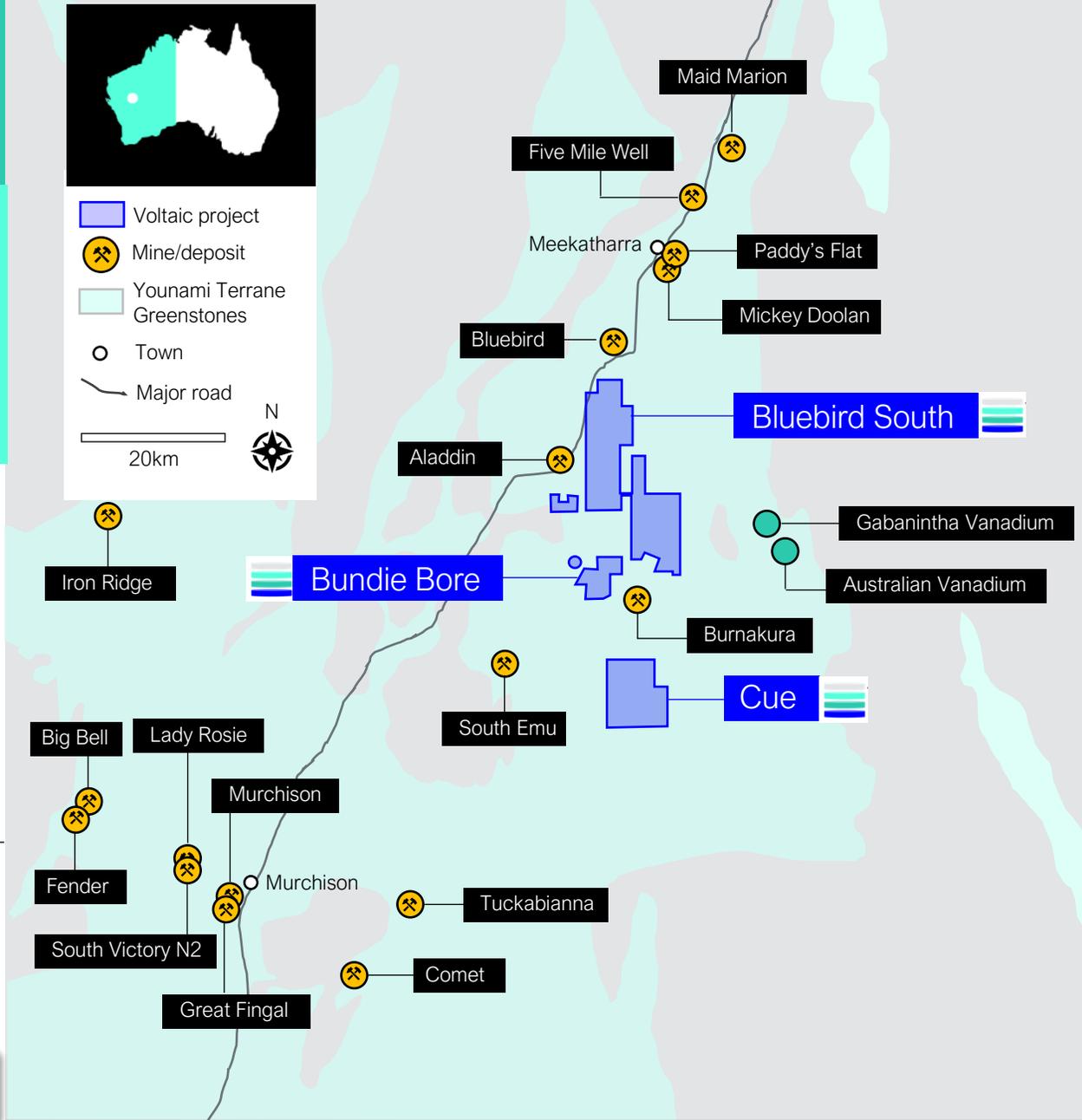
Established gold district

- Westgold’s Bluebird Project (1.8Mtpa production) and Tuckabianna Project within trucking distance.
- Paddy’s Flat, Bluebird, South Emu, Triton, Big Bell, and Comet mines have produced >270Koz Au per year.
- 150km from Mt Magnet (60Mt @ 1.69g/t) and Murchison gold mines (89Mt @ 2.18g/t).

Emerging vanadium-titanium district

- Australian Vanadium Project (Resource 239Mt @ 0.73% V₂O₅).
- Technology Metals’ Gabanintha Project (Resource 110Mt @ 0.84% V₂O₅).

Maiden Reconnaissance completed Q3 / Q4 2023. Follow-up work planned Q2 / 3 2024



Nevada Project

Stillwater Range, NV, USA



Located in past-producing polymetallic region on the doorstep of Tesla’s gigafactory in Nevada.

Project background

- 860 acres of mineral claims in Stillwater Hills mining district covering the historic Gilbert Ni-Co Mine.
- Claims were selected on their proximity to the historical Lovelock Co Mine and three separate ground assessment programs.
- A 2019 testing program identified high values of nickel, a major component of batteries.
- Next exploration phase will involve systematic fieldwork and rock sampling.

Good neighbourhood

- Neighbour Global Energy Metals recently intersected Ni-Cu-Co mineralisation at Lovelock.
- Superior mining jurisdiction located 180km from Tesla.

Maiden reconnaissance planned for Q2 2024



Appendix Project & tenement list

Project Group	Project Name	Tenement Number	Tenement Name	Status	Primary Prospectivity	Blocks	Area (km ²)	Equity	
Gascoyne Critical Metals	PADDYS WELL	E 09/2663	West Well	Application	Lithium REE	15	47	100%	
		E 09/2669	West Well	Application		66	205	100%	
		E 09/2414	Paddy's Well	Live		13	40	100%	
		E 09/2774	Gadolin α	Live		89	277	100%	
		E 09/2744	Gadolin β	Application		110	342	100%	
		E 09/2773	Gadolin γ	Live		125	388	100%	
	TALGA	E 08/3303	Talga East	Application	Ni-Cu-Co-PGE Co-Mn	46	343	100%	
		E 08/3420	Talga West	Live		59	185	100%	
	TI TREE	E 09/2503	Ti Tree South West	Live	Lithium	19	59	100%	
		E 09/2470	Ti Tree South East	Application		14	44	100%	
		E 09/2522	Ti Tree North	Application		35	109	100%	
	KOOLINE	E 08/3314	Kooline	Live	Cu-Au Base Metals Au	96	303	100%	
Meekatharra Gold & Base Metals	BUNDIE BORE	E 51/1909	Bundie Bore	Live	Au Base Metals	35	102	80%	
		E 51/1946	Bundie Bore	Live		9	19	80%	
		P 51/3145	Bundie Bore	Live		-	2	80%	
		P 51/3146	Bundie Bore	Live		-	2	80%	
		P 51/3147	Bundie Bore	Live		-	2	80%	
	BLUEBIRD SOUTH	E 51/2022	Bluebird South	Application	Au Base Metals	23	70	100%	
	CUE	E 51/2057	Cue	Live	Au Base Metals	23	70	100%	
	OTHER	JERRAMUNGUP	E 70/6478	TBC	Live	Lithium REE	66	188	100%
			E 70/6477	TBC	Live		70	199	100%
	NEVADA	NEVADA CRITICAL METALS	NA	N/A	Live	Ni-Cu-Co-PGE Base Metals	NA	4	100%