

May 2023

EXPLORING AUSTRALIA'S MOST EXCITING CRITICAL MINERALS HOTSPOT

Michael Walshe
Chief Executive Officer

³ Li	^{59/60} REE	²⁸ Ni	²⁹ Cu	²⁷ Co	^{46/78} PGE	⁷⁹ Au	²⁵ Mn
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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



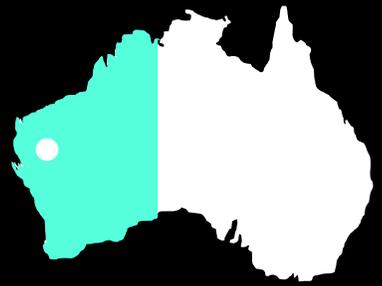
The right place, the right time

Strategically located critical metals portfolio led by lithium, rare earths, base metals and gold.

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

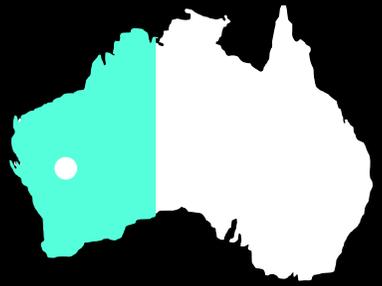
Growth potential – low Enterprise Value, leveraged to exploration success.

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



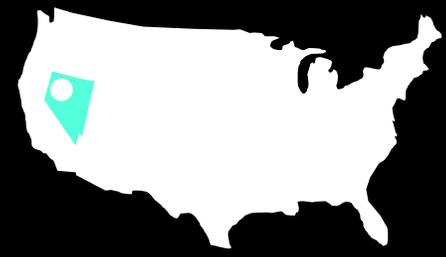
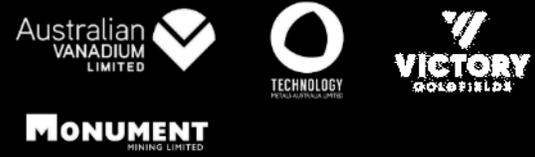
Gascoyne Region Western Australia

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



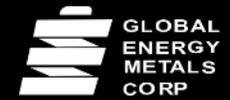
Meekatharra Region Western Australia

- 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

\$A0.061

12 May 2023
52 week high \$0.035, low \$0.018

Market capitalisation

A\$26.9m

12 May 2023

Debt

Zero

31 March 2023

Shares on issue

420m

31 March 2023

Cash

A\$3.1m

31 March 2023

Various options*

210m

31 March 2023

*unlisted

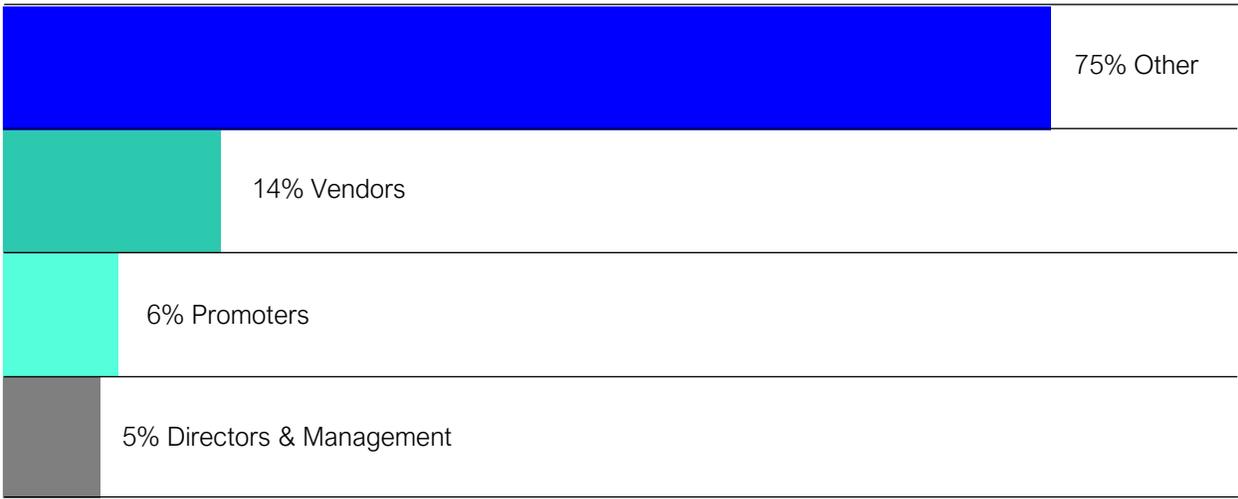
ASX Share price performance (\$A)

Five months from relisting date (5 Oct 2022) to 12 May 2023



Ownership

Undiluted



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



Gascoyne projects

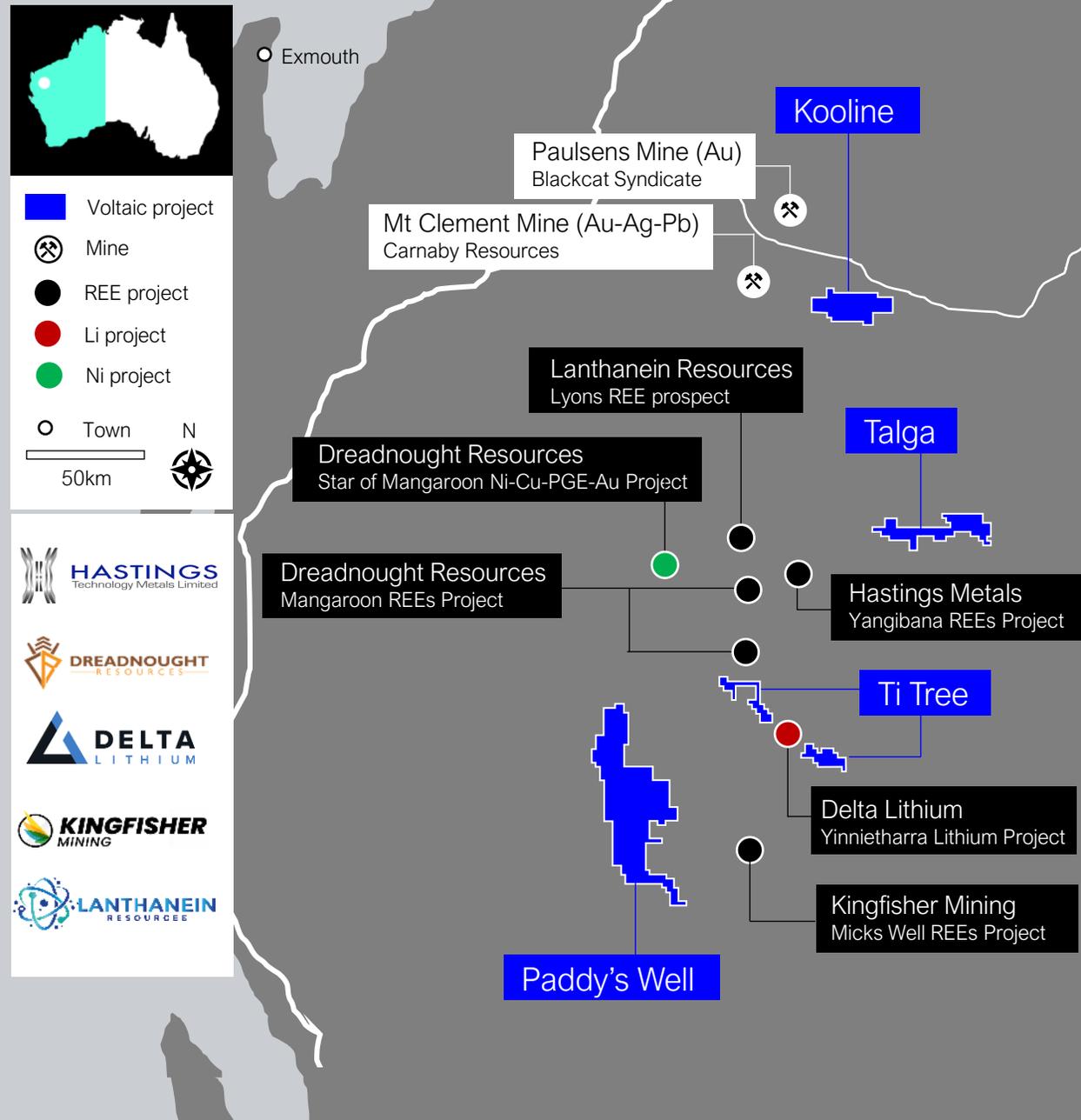
Critical metals portfolio in Western Australia's most exciting exploration hotspot.

Primary Project 1 Ti Tree Lithium Project

- >200 km² project with no prior systematic exploration for lithium.
- Neighbour to Delta Lithium's (ASX:DLI) Yinnietharra Li project where a 90,000m drill program & early results of 56m @1.12% Li₂O*. Acquired for A\$25M (\$50k/km²).
- Three LCT* drill target areas already identified.

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.
- Widespread anomalous REEs identified from drilling.
- Further ground acquired to the west along prospective REE corridor.



Ti Tree Lithium Project

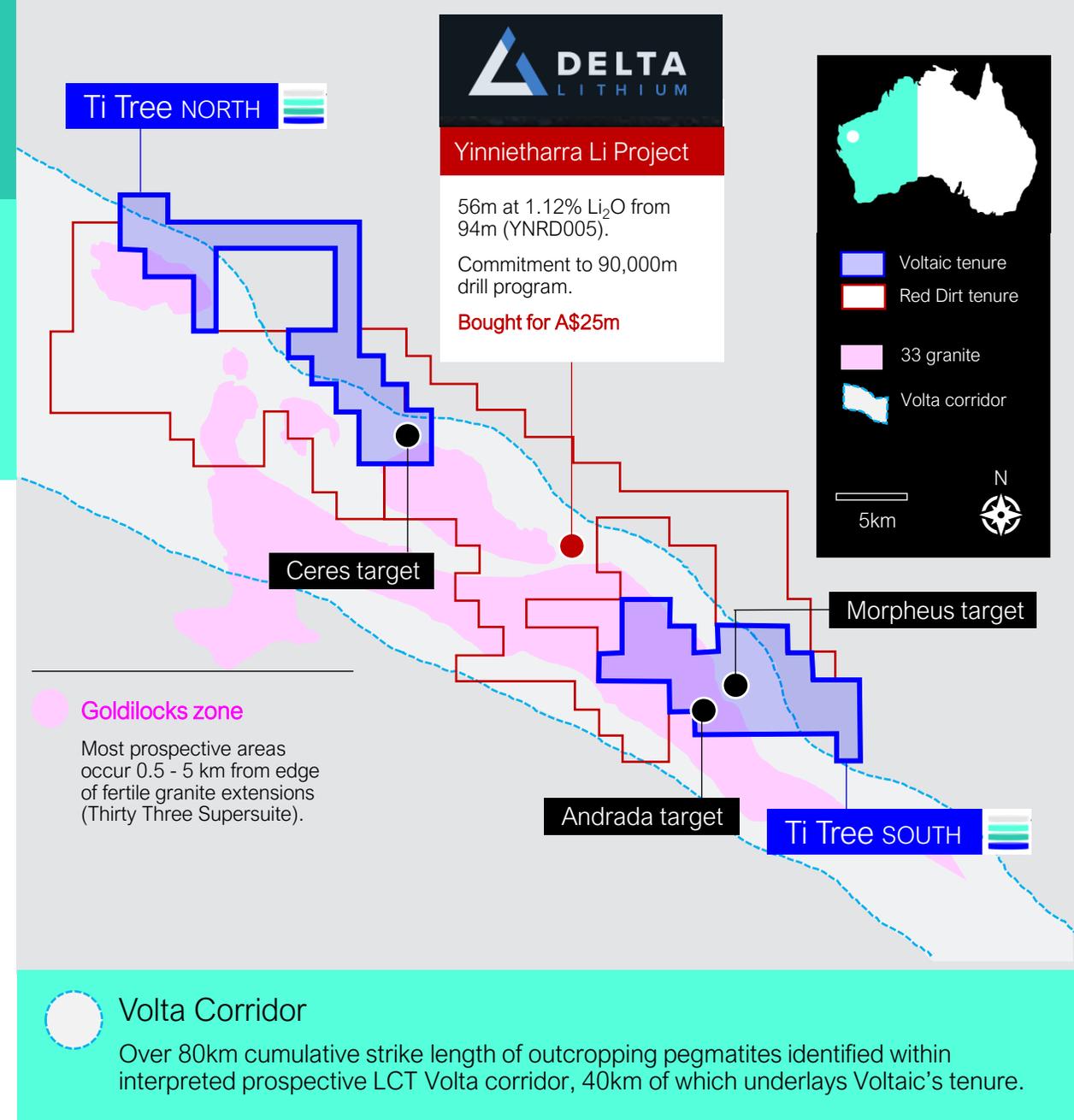
Located within Volta Corridor, an 80km prospective corridor with the potential to be WA's next lithium district.

Three initial target areas

- Three drill targets already identified at Ti Tree with initial rockchips showing very favourable LCT chemistry: (1) Ceres (2) Andrada (3) Morpheus,
- Pegmatites found widespread throughout tenure using established best-practices in LCT geochemical vectoring. Several outcrops with strike extents up to 80m identified

Growing lithium neighbourhood

- Nearby Yinnietharra Lithium Project acquired by Delta Lithium for A\$25m in 2022.
 - Highly aggressive 90km drill program underway by Delta with early results of 56m @1.12% Li_2O^* .



Ti Tree Lithium Project

Maiden drilling completed May 2023 at the Andrada Prospect.

Significant width LCT pegmatites intercepted from surface

Widths of up to 58m of continuous pegmatite from surface:

- **ANDRC015:** 58m pegmatite intercepted from surface to EOH* at 58m (0–58m; >29m TW**)
- **ANDRC012:** 50m pegmatite intercepted from surface to EOH at 50m (0–50m; >25m TW)
- **ANDRC011:** 34m pegmatite intercepted from surface (0–34m; >17m TW)
- **ANDRC006:** 13m pegmatite intercepted from surface (0–13m; >5m TW)

Phase 2 campaign to be fast-tracked

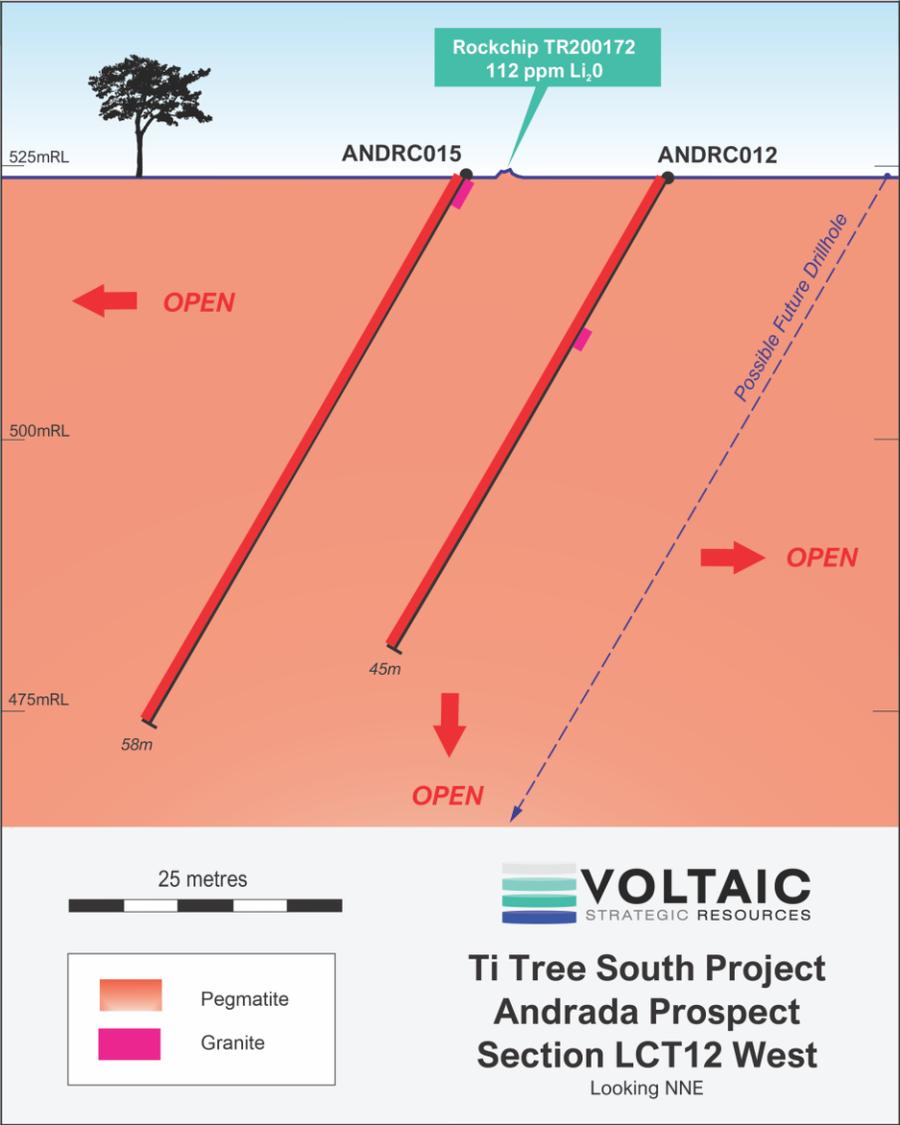
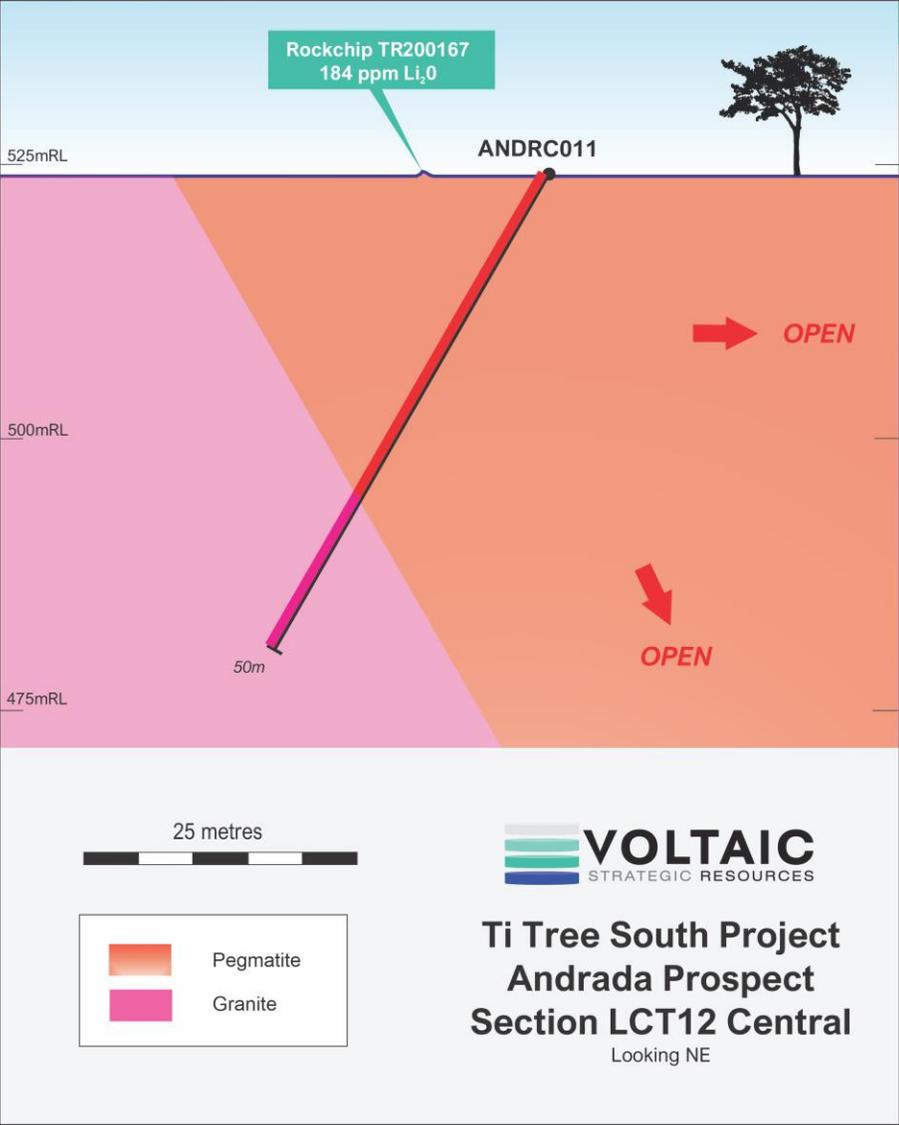
- Phase 1 drilling complete across 15 drill holes / 894m, Assays expected in June.
- Logistics and planning are being fast-tracked for follow-up 'Phase 2' campaign to test down-dip and extensional potential.



Maiden Drilling at Andrada

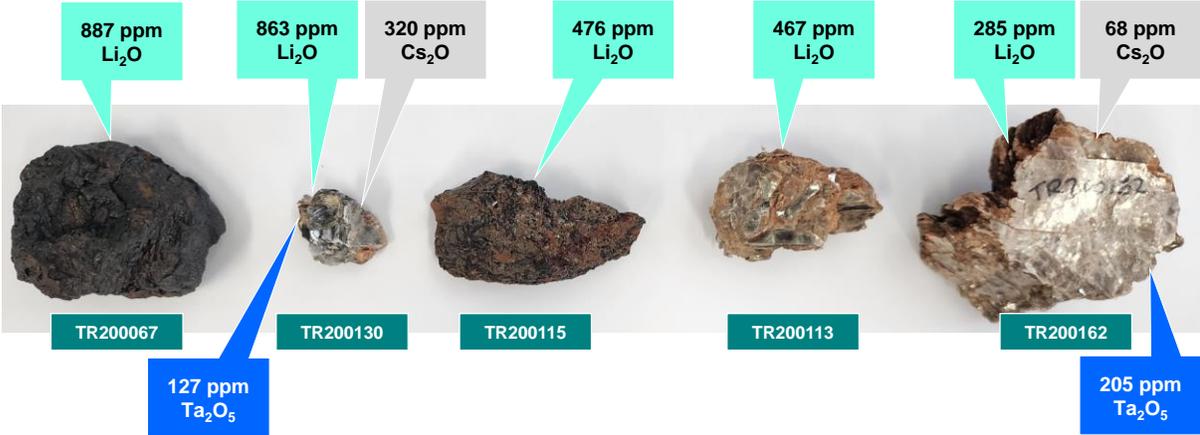
All intercepted pegmatites remain open at depth

- Widths of up to 58m of continuous pegmatite from surface
- Drilling has confirmed key structural trends associated with favourable LCT pegmatoids



Ti Tree Lithium Project

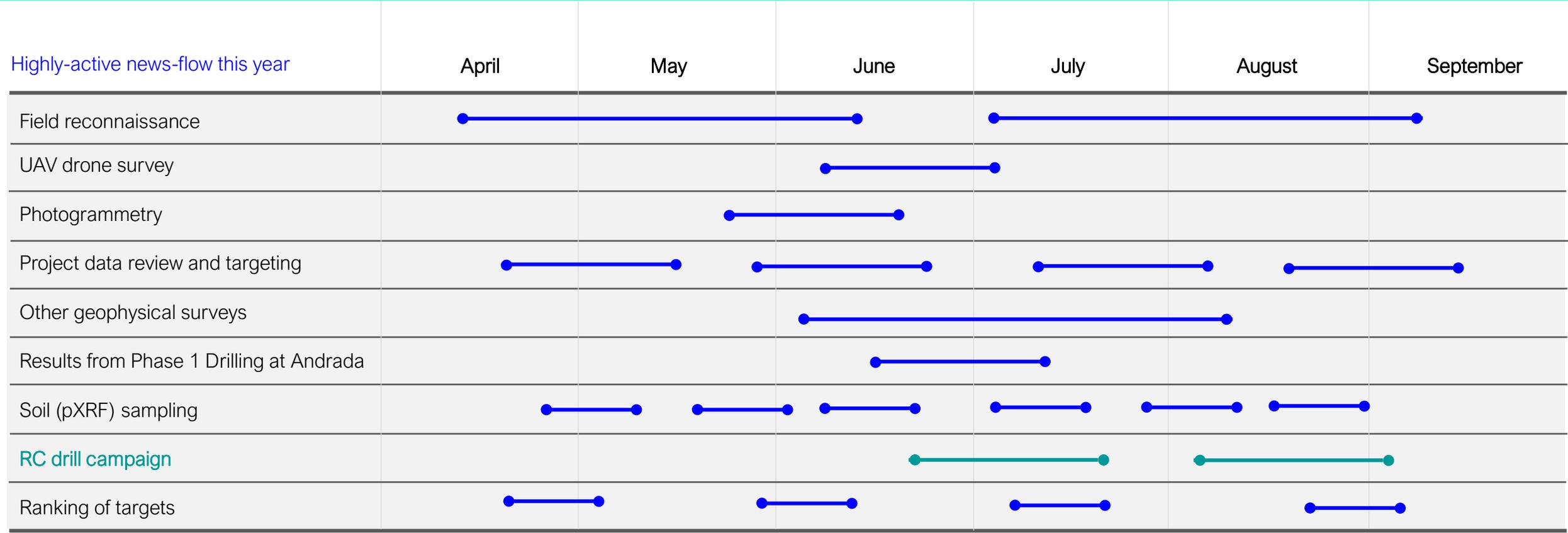
Several hundred outcrops with strike extents up to 80m identified.



Ti Tree Lithium Project

2023 Timeline

Ambition: Lithium discovery at Morpheus or Andrada targets.



Paddy's Well REEs Project

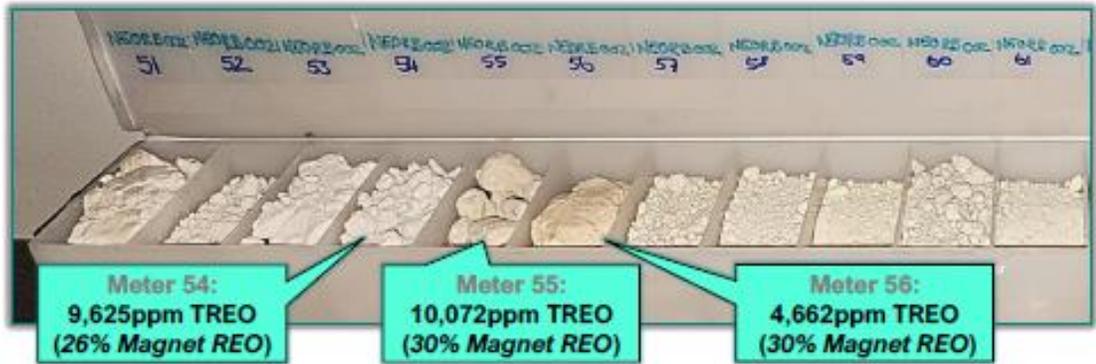
⁶⁰Nd

⁵⁹Pr

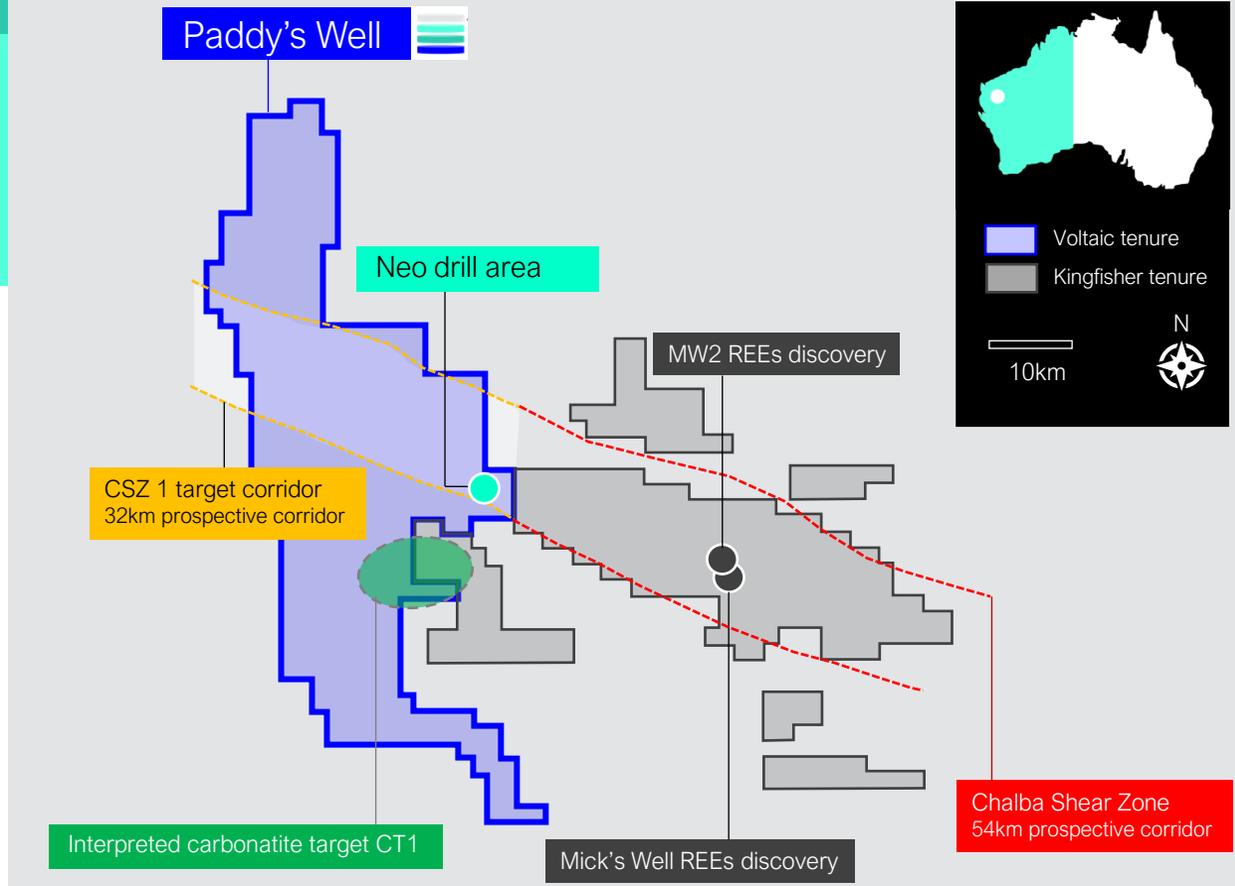
Widespread REEs confirmed with both primary carbonatite targets and clay-hosted potential

Large highly prospective area for REEs / Critical Minerals

- Both primary carbonatite and clay-hosted REE potential
- Widespread anomalous REEs identified from drilling
- 32km strike extension to Kingfisher Mining's 54km prospective REEs corridor
- Phase 1 drilling complete – large REE-clay system confirmed



Chip tray NEORB002



Neo prospect, Paddy's Well

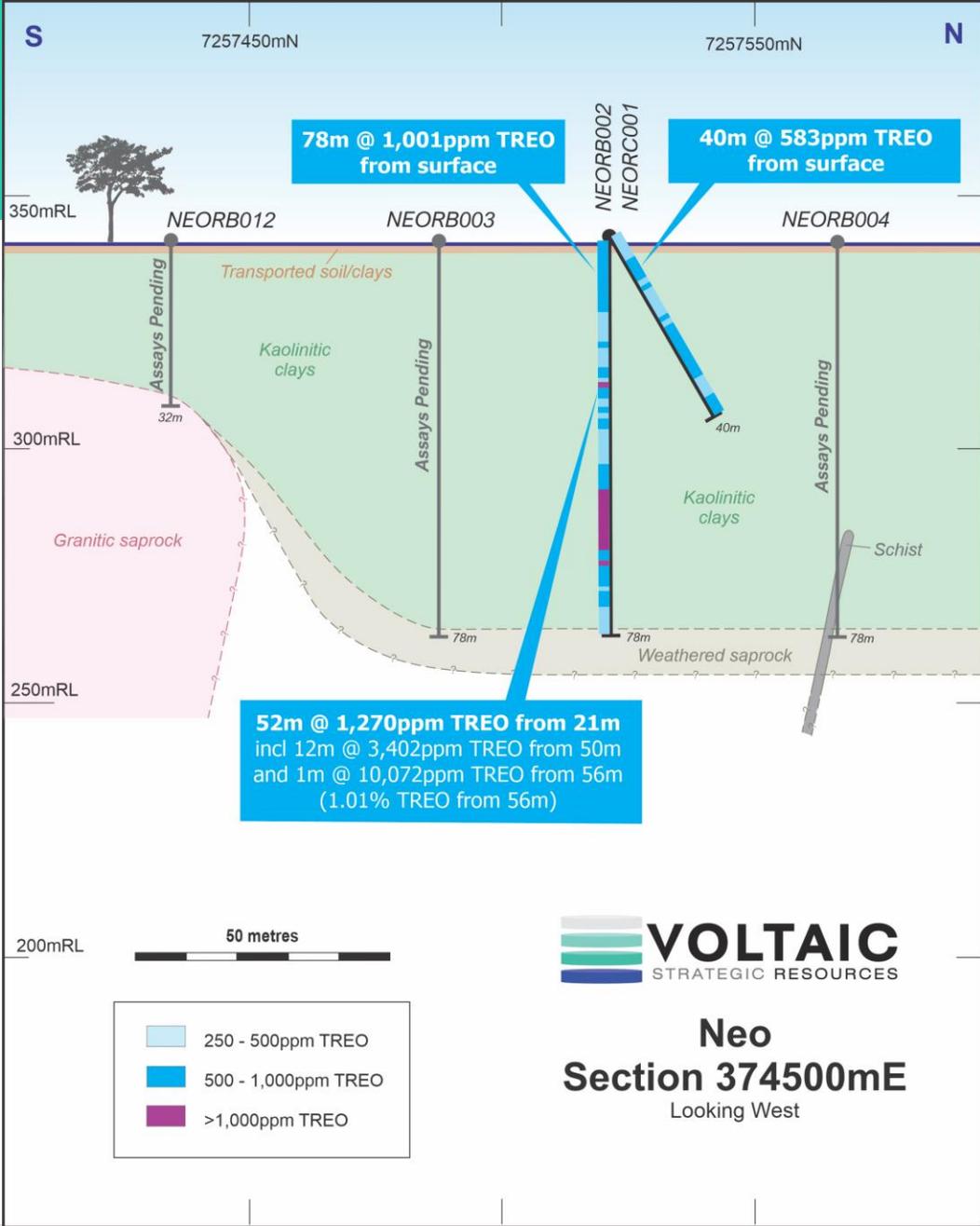
⁶⁰Nd

⁵⁹Pr

Phase 1 Drilling confirms significant clay-hosted REE system at Neo – with 78m intercept from surface (from 1st two holes)

Significant Clay-hosted REE system confirmed

- Grades up to **10,072 ppm TREO** (1.0% w/w TREO).
- Significant REE intercepts up to **78m from surface**, *widest reported in Oz*
- Encouraging high ratio of 'magnet'² REEs to TREO (peak: 30%)
- Significant assays from initial 2 holes (open at depth and along strike):
 - 78m @ 1,001 ppm TREO (23% Magnet REO) from surface (NEORB002)**
 - incl: **52m @ 1,270 ppm TREO (24% Magnet REO) (from 21m)**
 - incl: **12m @ 3,402 ppm TREO (25% Magnet REO) (from 50m)**
 - with peak of: **1m @ 10,072 ppm TREO (30% Magnet REO) (from 55m)**
 - 40m @ 583 ppm TREO from surface (NEORC001) (21% Magnet REO)**
- Neo forms part of an expanding regional **6 x 2km anomalous area** with multiple >1,000 ppm TREO zones identified at surface





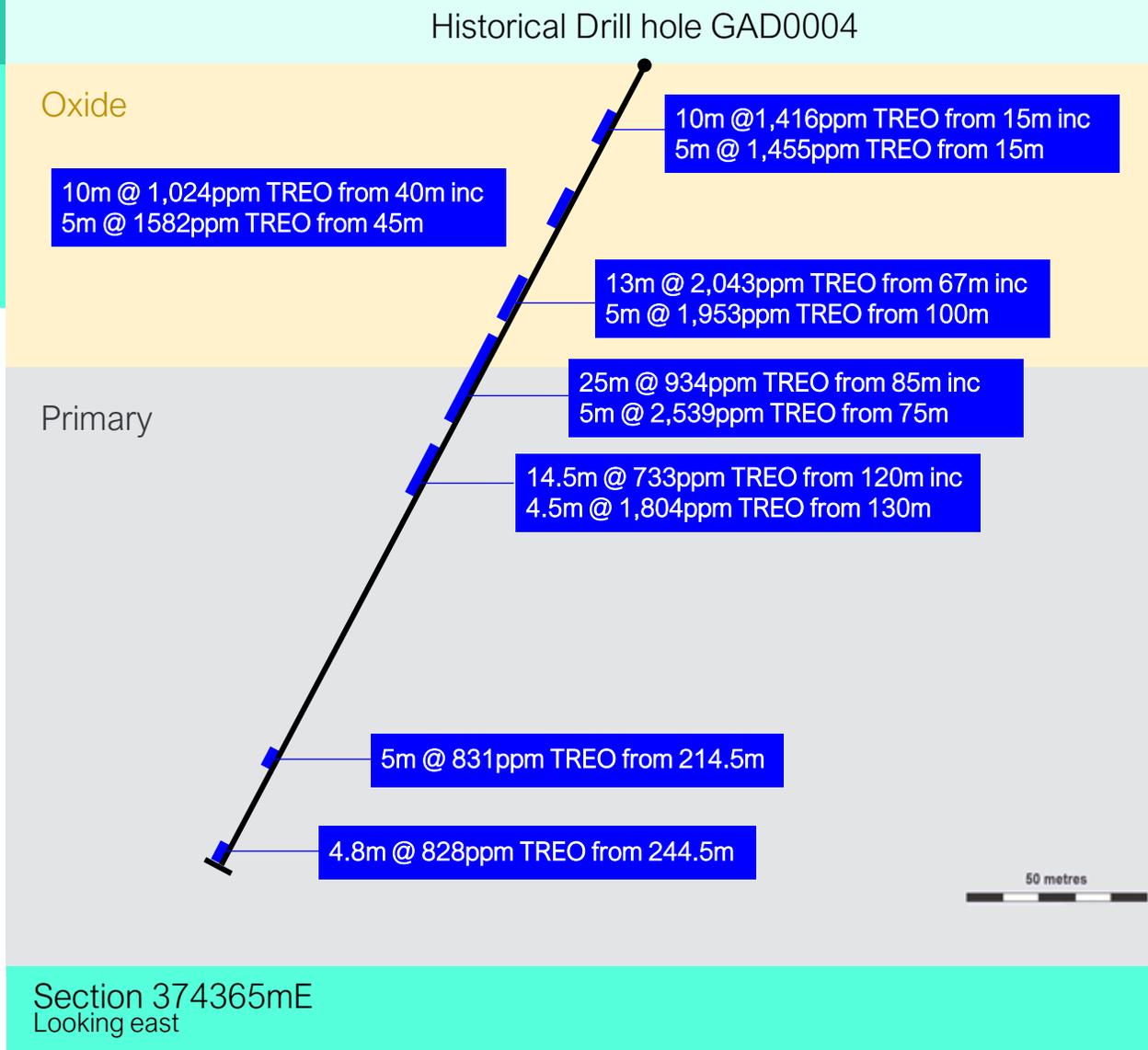
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Historical drill results identified REE potential

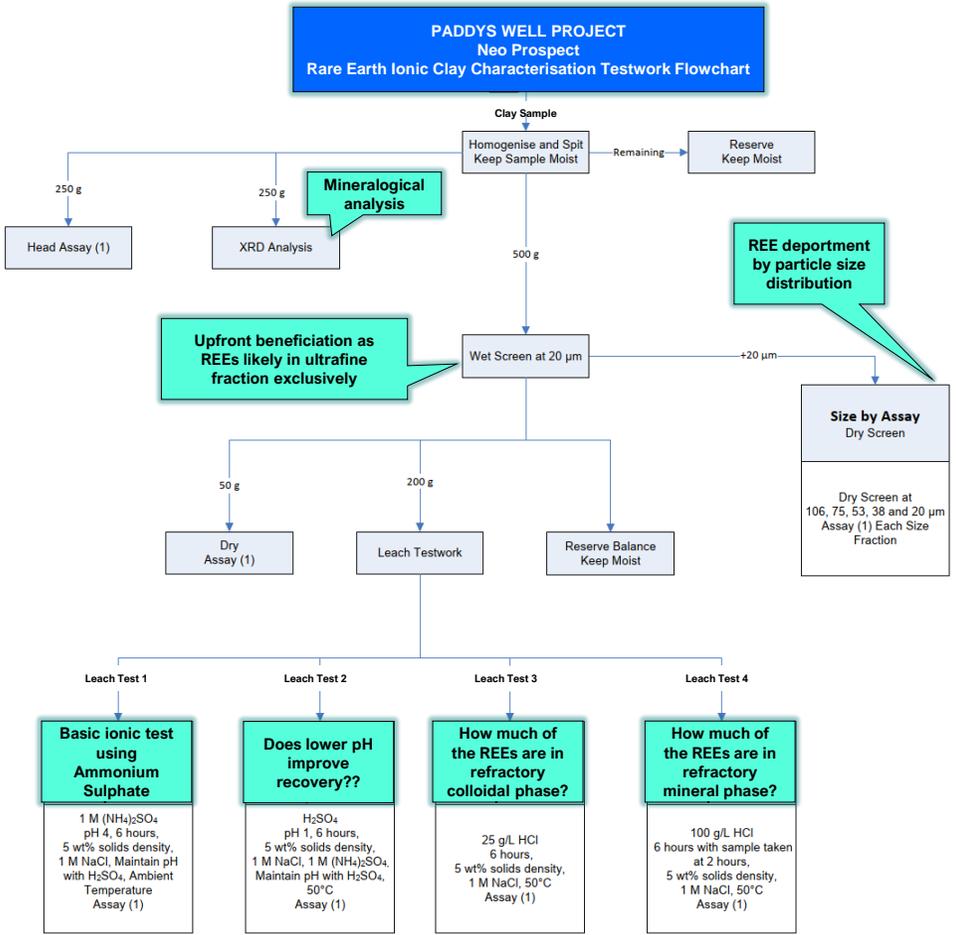
Encouraging historical results

- Historical diamond drill hole GAD0004: 7 discrete intervals totalling 82m of REEs zones with peak of 2,539 ppm TREO.
- Monazite (REE-phosphate) mineral identified
- Primary mineralisation identified in basement – follow-up in progress
- Halloysite identified throughout kaolinitic clays – favourable ionic adsorption potential; to be confirmed with met. testing



Paddy's Well REEs Project

Sighter metallurgical testwork underway - do we have an economically viable prospect at Neo?



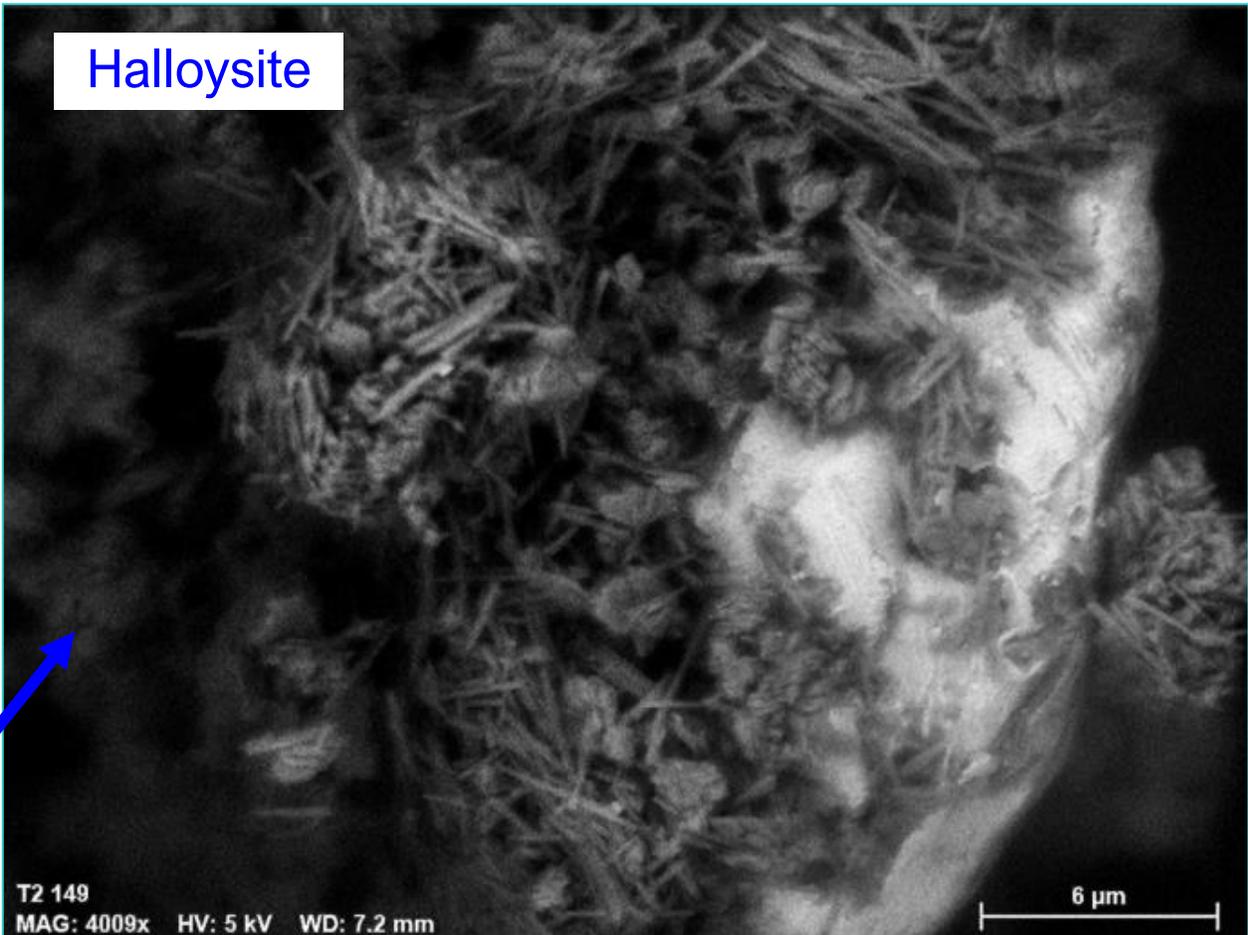
Beneficiated samples ready for leach testwork



Samples ready for size X assay analysis

Halloysite identified from SEM analysis of diamond core

- Halloysite nanotubes & associated kaolin identified from SEM analysis of historical drillhole GAD0004
- Halloysite is a common kaolinitic clay mineral found in true REE ionic adsorption deposits
- No further clay-focused drilling is planned until the metallurgical results are received ⇒ most prudent use of capital going forward

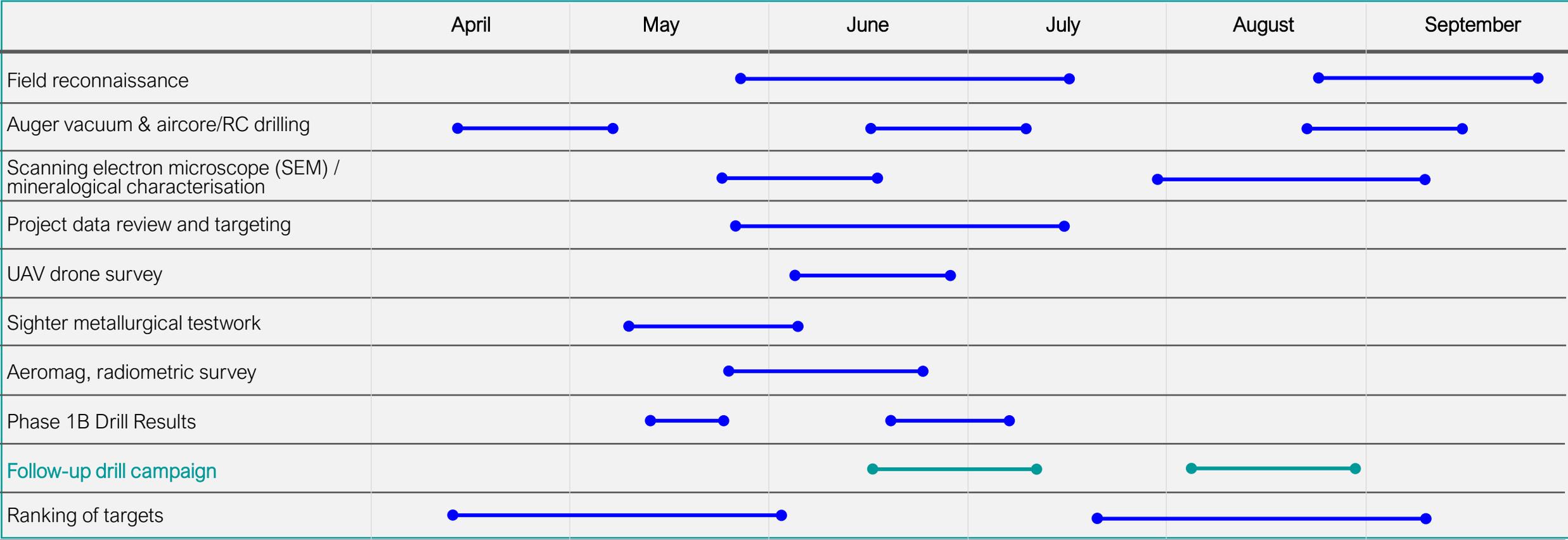


Paddy's Well REEs Project

Timeline

Ambition: Clay-hosted or primary hard rock REE discovery

Highly-active news-flow this year



Section – 03

Profile
Projects
Outlook



Exploring Australia's newest critical minerals region

Why you should invest in Voltaic Strategic Resources.



Projects



- Significant landholding in one of the world'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 2023
- 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 both geology and processing / metallurgy

Appendices

Additional Projects &
Tenement Information



Connect with us

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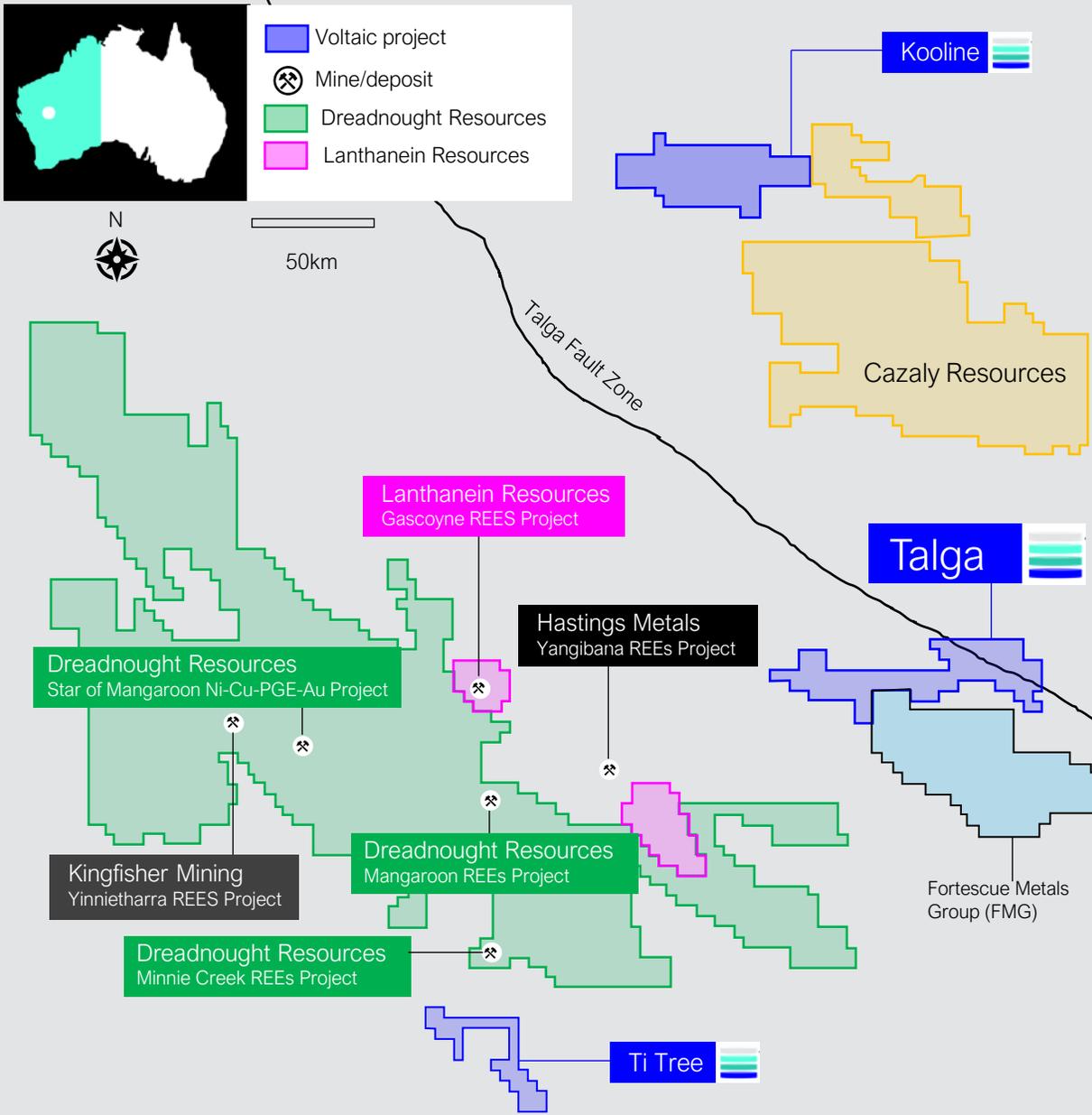
Talga Project

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.



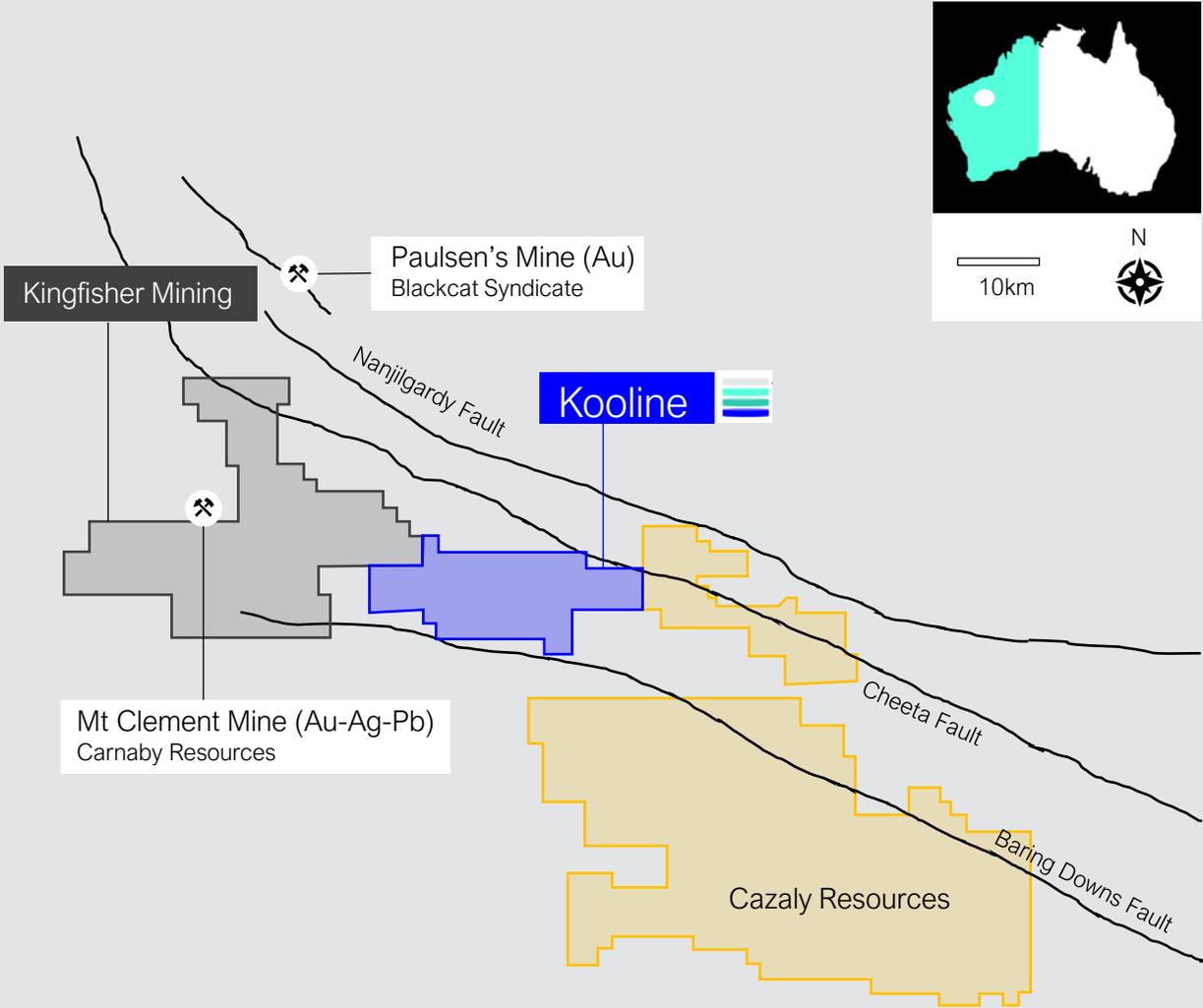
Kooline Project

²⁸Ni ²⁹Cu ²⁷Co ^{46/78}PGE

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 (Bootaloo and Ashburton Projects, respectively).



Meekatharra projects



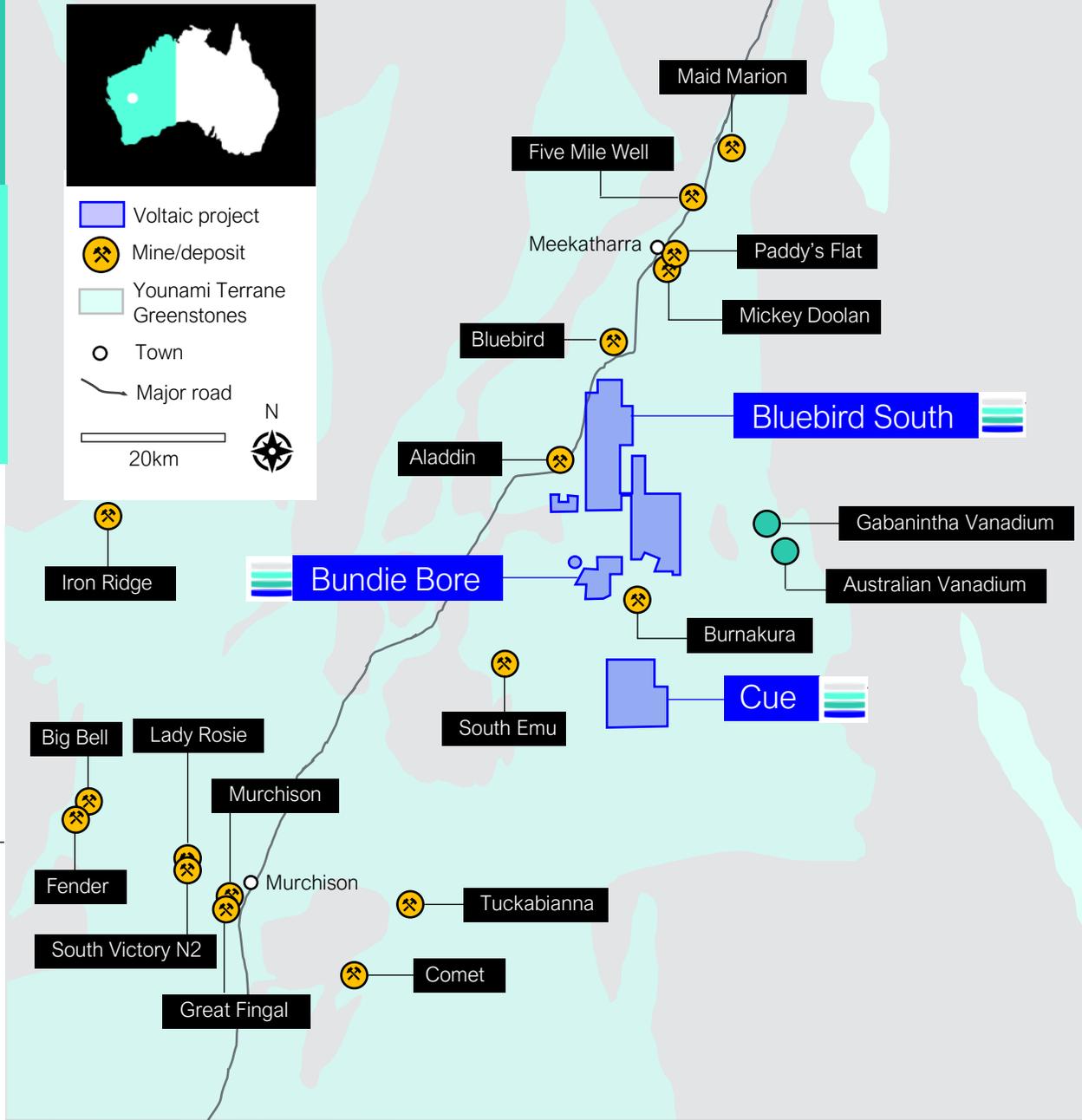
Three projects within a prolific gold and critical minerals precinct in Western Australia which has produced >35Moz of Au.

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).



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.



Appendix 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	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	Application		89	277	100%
		E 09/2744	Gadolin β	Application		110	342	100%
		E 09/2773	Gadolin γ	Application		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	Live	Lithium	19	59	100%
		E 09/2470	Ti Tree South	Application		14	44	100%
		E 09/2522	Ti Tree North	Application		35	109	100%
	KOOLINE	E 08/3314	Kooline	Live	Cu-Au Cu-Ag-Pb-Zn 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%	