

15 April 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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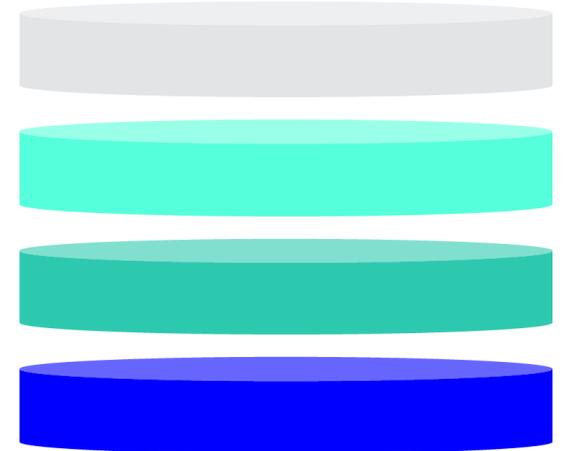
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COMPETENT PERSON'S STATEMENT

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.

Voltaic - Origins

Alessandro Volta



“the Voltaic pile”

Section – 01

Profile
Projects
Outlook



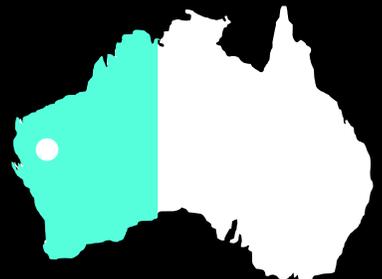
The right place, the right time

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.

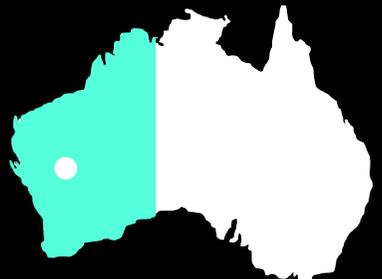
Growth potential – low Enterprise Value, leveraged to exploration success.

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



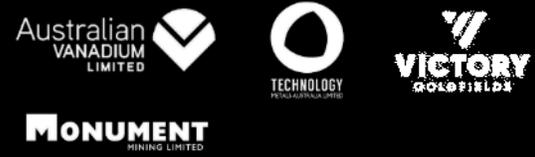
Gascoyne Region Western Australia

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



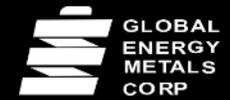
Meekatharra Region Western Australia

- 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.



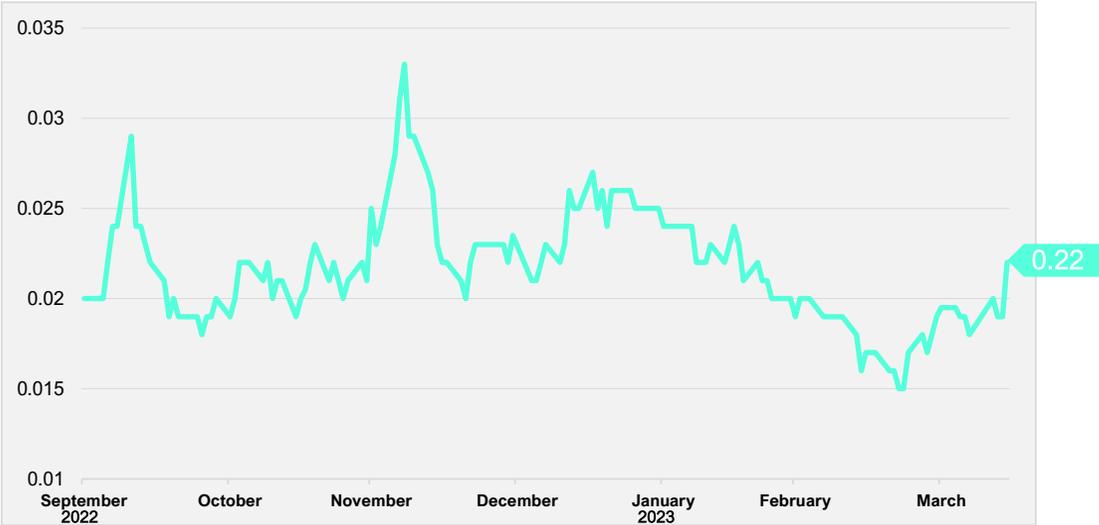
Corporate Snapshot

ASX:VSR

Share price \$A0.022 14 April 2023 52 week high \$0.035, low \$0.015	Market capitalisation A\$8.4m 14 April 2023	Debt Zero 31 December 2022	Shares on issue 421m 14 April 2023	Cash A\$3.1m 31 December 2022	Various options* 10.5m 31 December 2023 *unlisted
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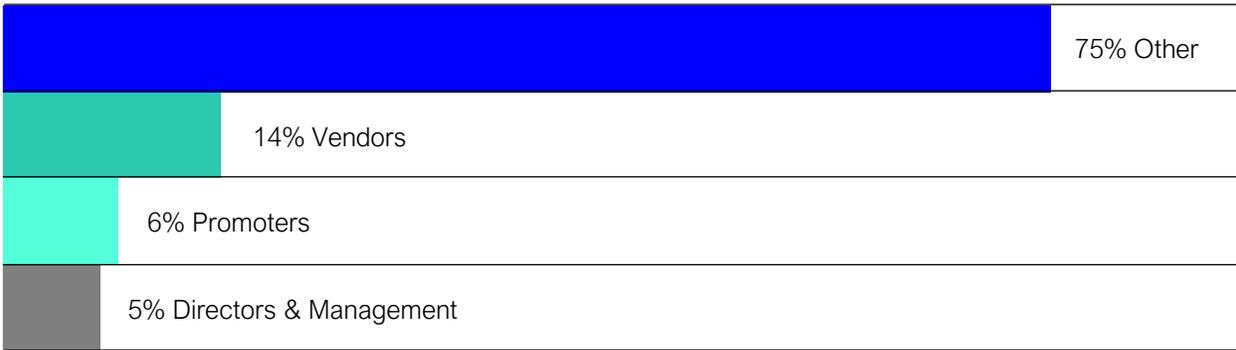
ASX Share price performance (\$A)

Relisting date (5 Oct 2022) to 14 April 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

Chartered chemical engineer & metallurgist with >15 years of international experience in engineering, operations, technology commercialisation, and project development across the minerals and chemicals 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, with direct technical experience across most recent Li & REE development projects such as Greenbushes, Pillgangoora, Mt Weld & Yangibana.



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.

01 Ti Tree Project Li

PRIMARY FOCUS PROJECT 1

- >200 km² project with no prior systematic exploration for lithium.
- Neighbour to Red Dirt Metals (ASX:RDT) Yinnietharra Li project where a 90,000m drill program is underway & early results of 56m @1.12% Li₂O*.
- LCT** drill targets already identified

02 Paddy's Well Project REEs

PRIMARY FOCUS PROJECT 2

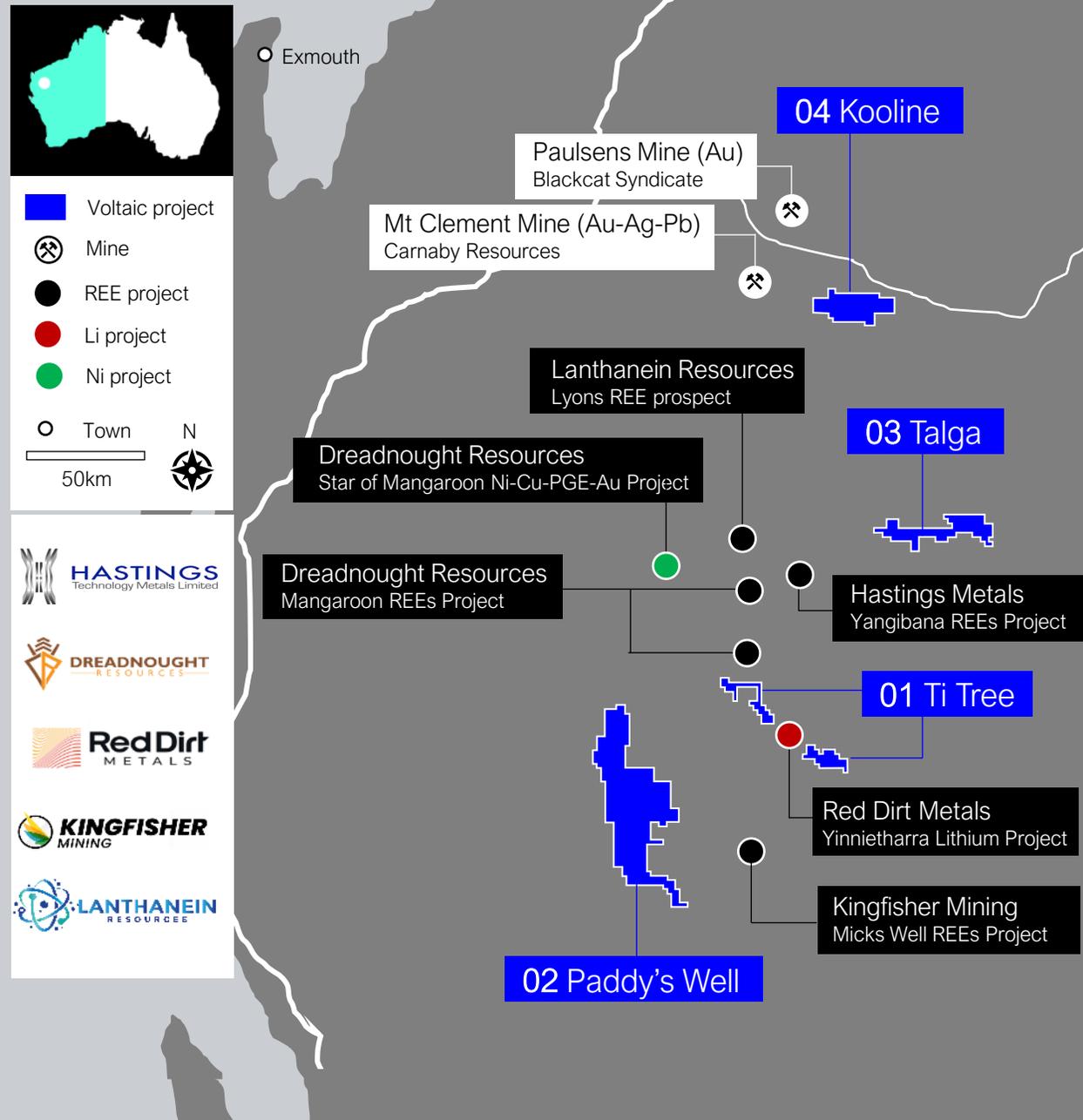
- Large landholding (1,300km²) in highly active REE*** exploration 'hotspot'.
- Both primary carbonatite and clay-hosted REE potential.
- Widespread anomalous REEs identified from drilling
- Further ground acquired to the west along prospective REE corridor.

03 Talga Project Ni-Cu-Co-PGE

- Targeting nickel sulphides
- Additional cobalt and manganese prospectivity

04 Kooline Project Cu-Au

- Copper-gold and base metals prospectivity
- Historical gold anomalism which was never followed up.



* From 94m, reference: ASX:RTD release dated 20/01/2023

** LCT: Lithium, Caesium, Tantalum

***REE: Rare Earth Elements

Ti Tree Project

³ Li

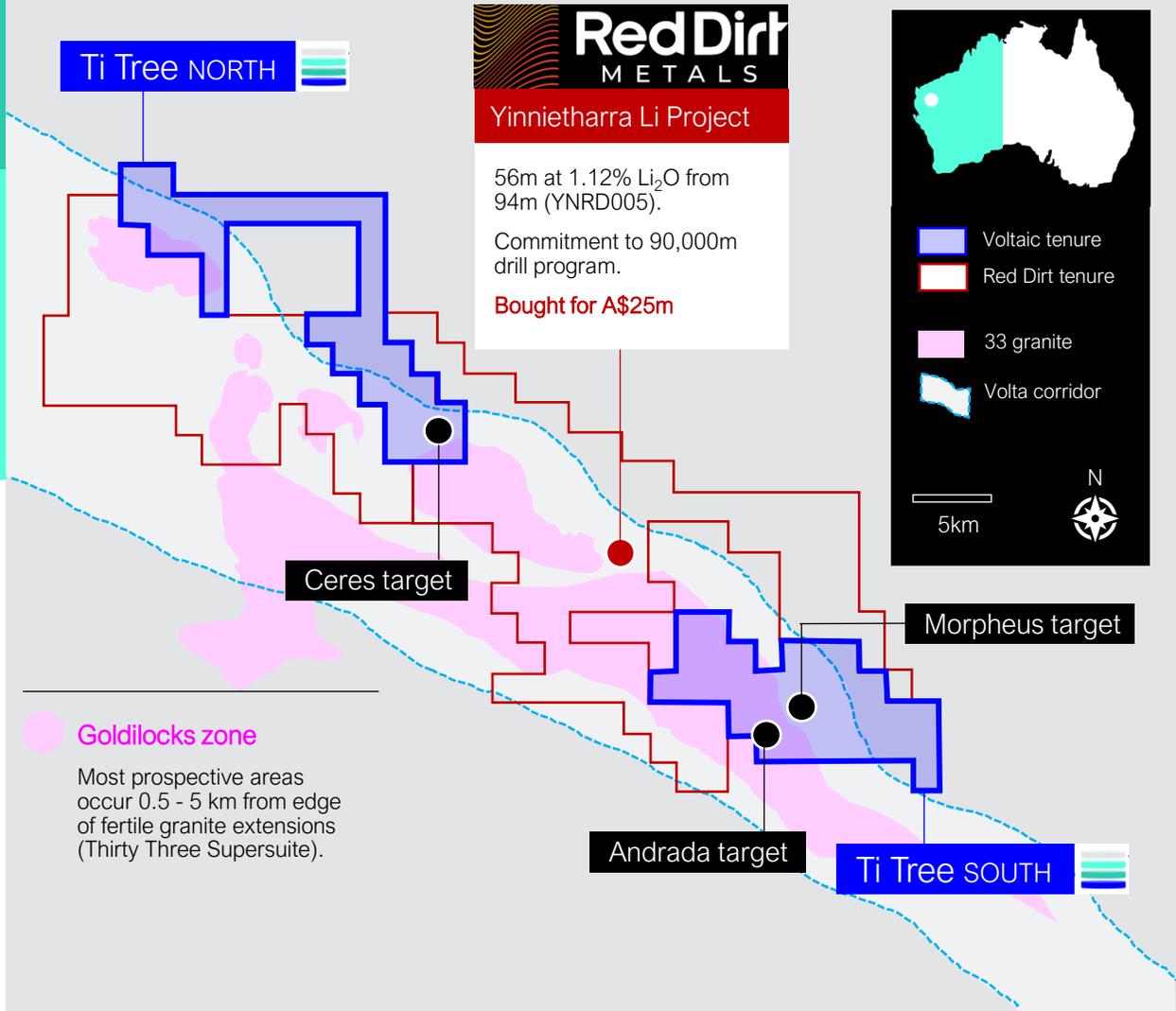
Located within Volta Corridor, an 80km prospective corridor of lithium-bearing pegmatites containing Red Dirt Metals' Yinnietharra Lithium Project.*

90km of drilling next door

- Nearby Yinnietharra Lithium Project acquired by Red Dirt Metals for A\$25m in 2022.
 - Highly aggressive 90,000m drill program underway by RDT & >50 mapped pegmatites identified to date.
 - Excellent initial drill intercepts - 56m at 1.12% Li₂O from 94m with spodumene confirmed.

Voltaic actively advancing drill targets

- Three drill targets already identified at Ti Tree with initial rockchips showing very favourable LCT chemistry: (1) Ceres (2) Andrada (3) Morpheus,
- 40km of prospective LCT corridor within Voltaic's tenure.
- Voltaic plans to commence **drill testing in May 2023**.



Volta Corridor
Over 80km cumulative strike length of outcropping pegmatites identified within interpreted prospective LCT Volta corridor, 40km of which underlays Voltaic's tenure.

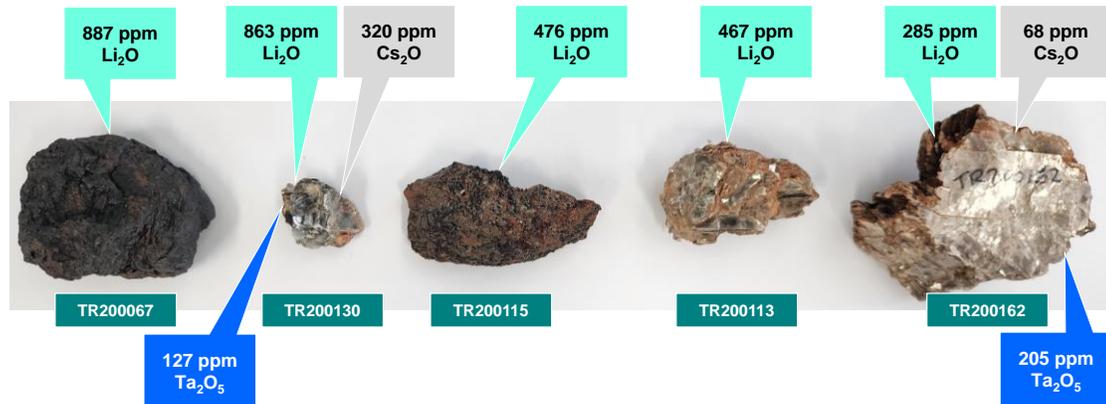


Belt-scale LCT potential within the Volta corridor

Potential to be WA's next lithium district

- Pegmatites found widespread throughout tenure using established best-practices in LCT geochemical vectoring. Several outcrops with strike extents up to 80m identified
- Extensive rockchip samples collected with very favourable initial LCT assays - highly encouraging at such an early stage of the project's lifecycle:

$\text{Li}_2\text{O} > 1,000^*$ ppm; $\text{Ta}_2\text{O}_5 > 200$ ppm; $\text{Cs}_2\text{O} > 300$ ppm



Proof-of-concept drill testing to commence soon

- 3 x LCT drill targets already identified with work ongoing to generate more across multiple prospective areas
- Advancing towards **drill testing by mid-Q2 2023**



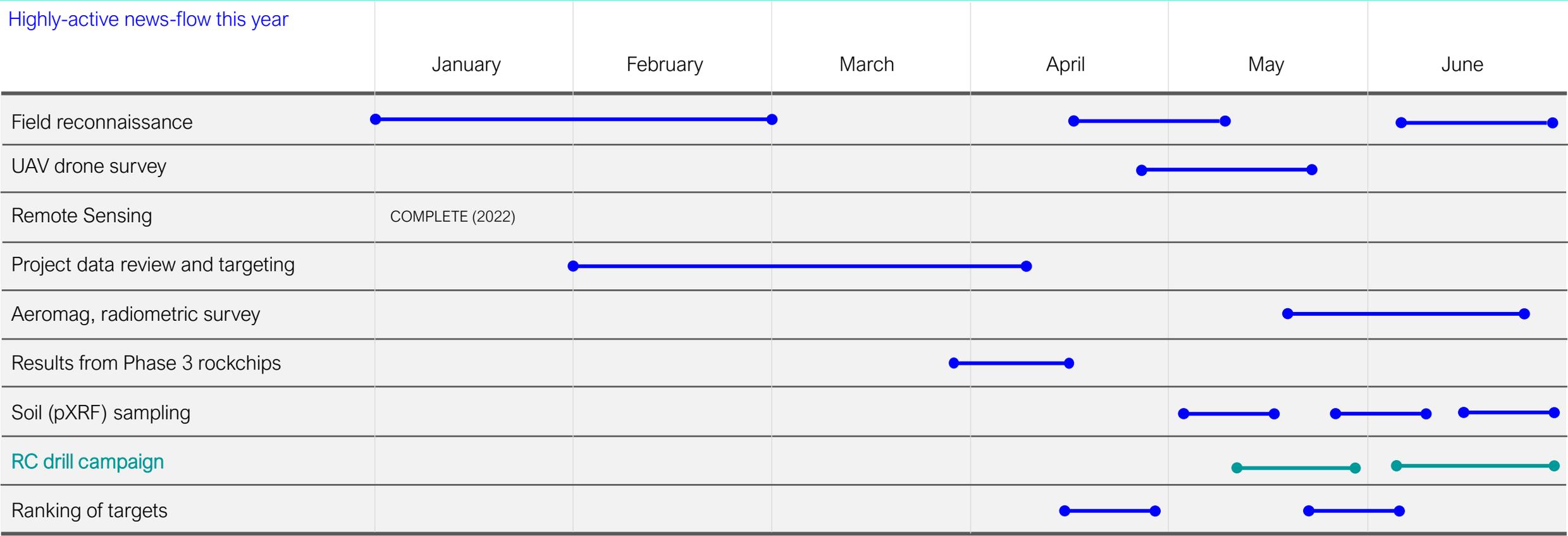
Major pegmatite outcrop. 3m true width. 80m strike.

Ti Tree Project

2023 Timeline

Ambition: Lithium discovery at Morpheus or Andrada targets.

Highly-active news-flow this year



Paddy's Well Project



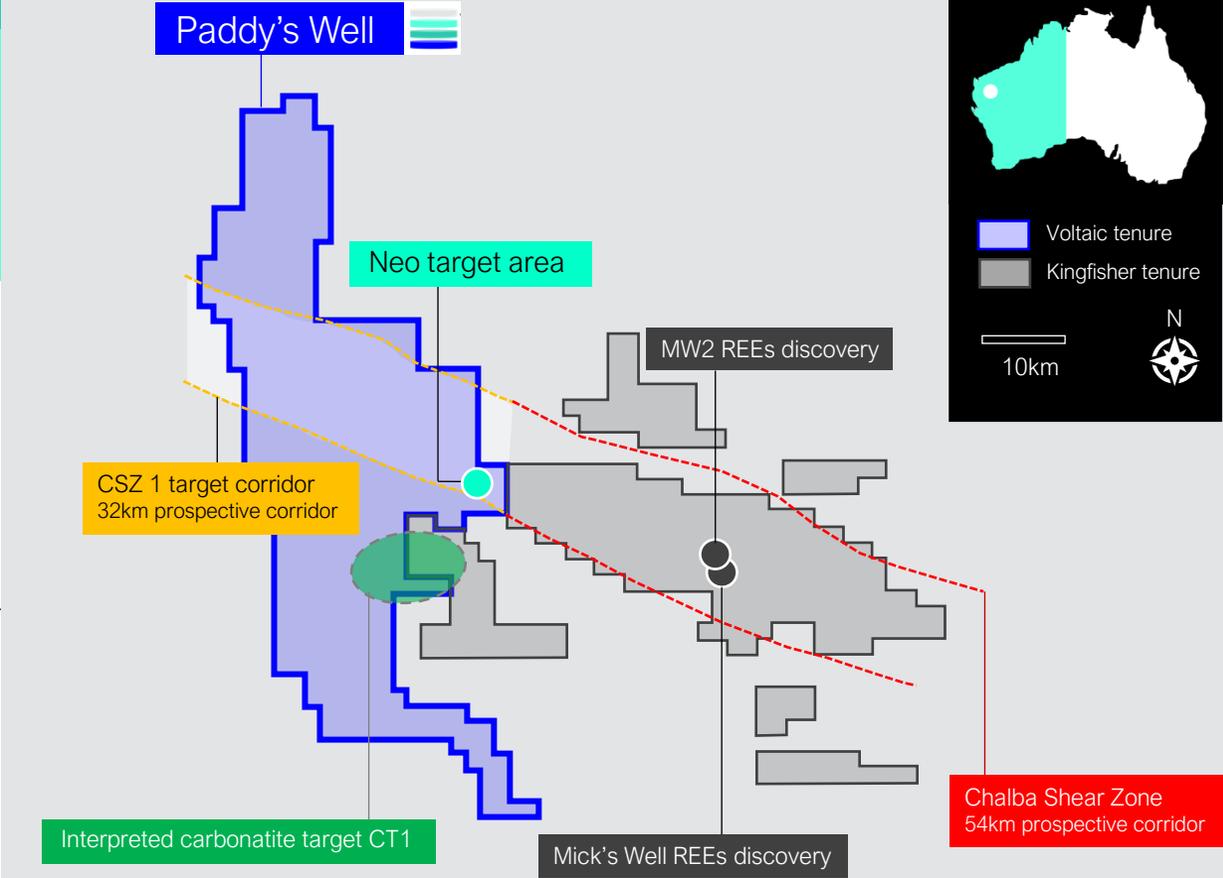
In search of primary and clay-hosted, high-value magnetic rare earth elements (REEs).

CSZ 1 Target Corridor

- 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
- Five REE prospects confirmed: Neo, Link, Cypher, Switch & Alamos

Highly prospective area

- Rock chips and drill samples with encouraging high ratio (>20%) of in-demand 'magnet' REEs to total REEs
- Carbonatite indicator minerals (monazite & rhabdophane) identified – also found at Yangibana, Mt Weld & Yin.
- Several interpreted carbonatite targets
- Phase 1 drilling completed at Neo – prelim. pXRF results up to 0.9% TREO, and significant intervals of mineralisation (up to ~30m) identified from near surface



* TREO: Total Rare Earth Element Oxide incl. including yttrium oxide (Y₂O₃)



N

S

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

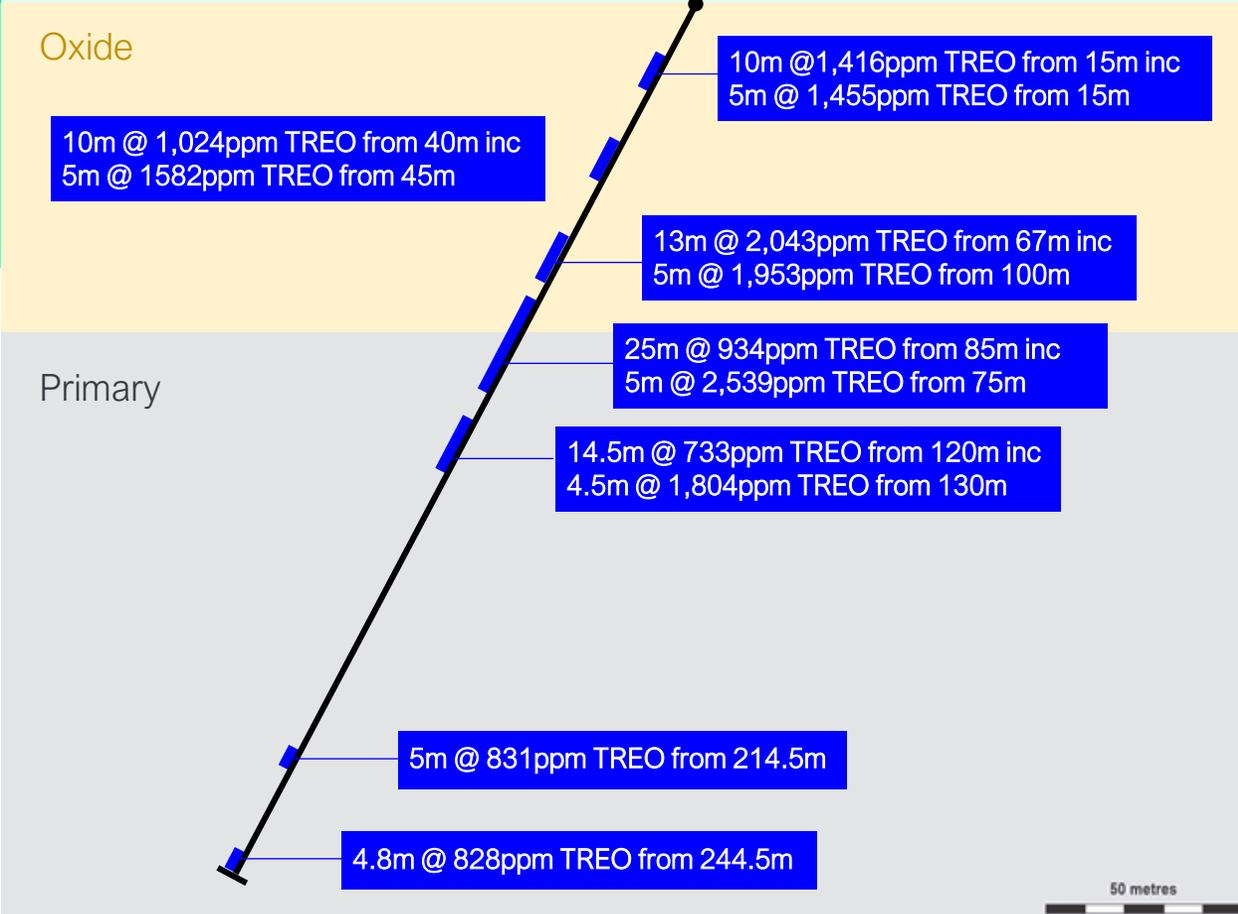
Phase 1 drilling complete at Neo

- Follow up of historical drilling with several zones enriched in REEs. Phase 1 = testing of shallow oxide zones (<80m depth)
- Significant / widespread REEs identified from prelim. pXRF*
 - Peak 9,000 ppm TREO* (0.9% w/w) (from 55m NEORB002)
 - Max intercept: 27m at > 1,000 ppm TREO (from 55m NEORB002)
- Anomalous REE footprint keeps expanding from regional pXRF soil surveys within 6km target corridor;
 - Several >500ppm TREO zones identified on all lines completed so far between 'Neo' & 'Link' prospects

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
- Halloysite identified throughout kaolinitic clays – favourable ionic adsorption potential; to be confirmed with met. testing

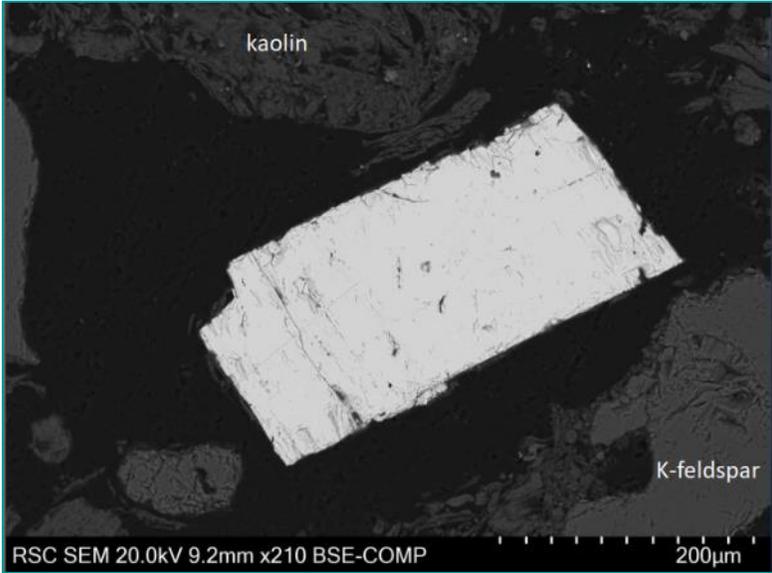
Historical Drill hole GAD0004



Section 374365mE
Looking east



Carbonatite indicator minerals (monazite & rhabdophane) identified from SEM analysis of diamond core



Monazite



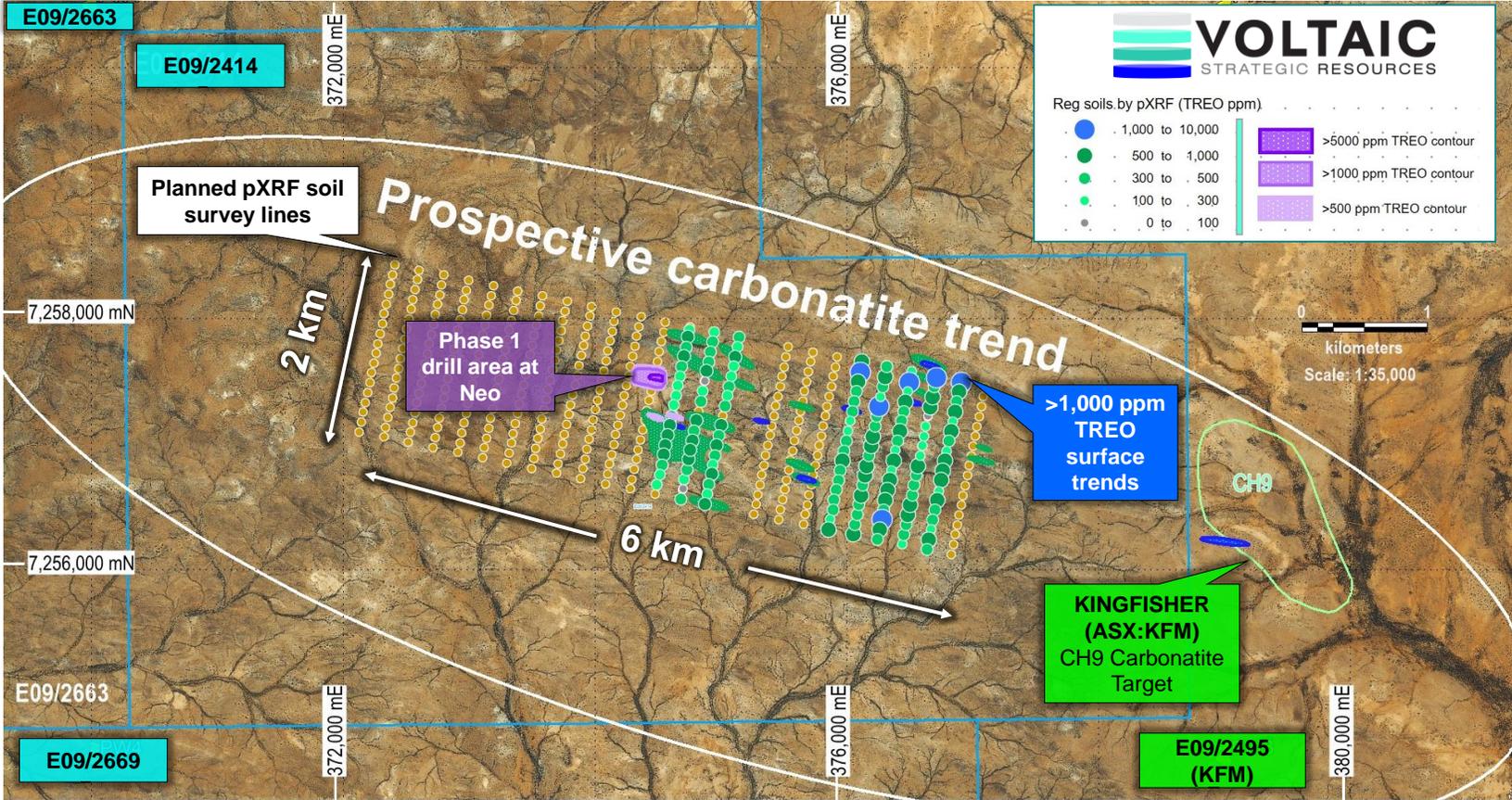
Monazite



Rhabdophane



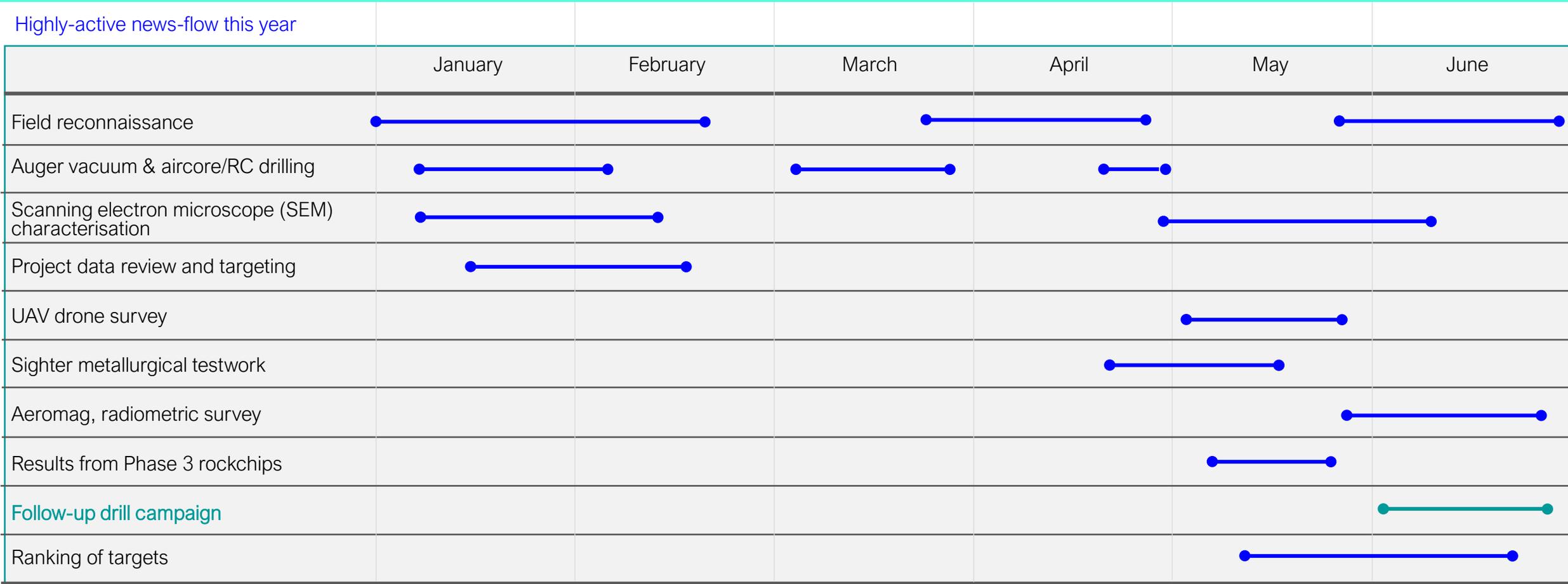
Soil pXRF surveys indicate that the **size of the mineralised strike is at least 6km x 2km**



Paddy's Well Project

Timeline

Ambition: Clay-hosted or primary hard rock REE discovery



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

APPENDIX 1

Additional
Projects

&

Tenement
Information



Talga Project

²⁸Ni

²⁹Cu

²⁷Co

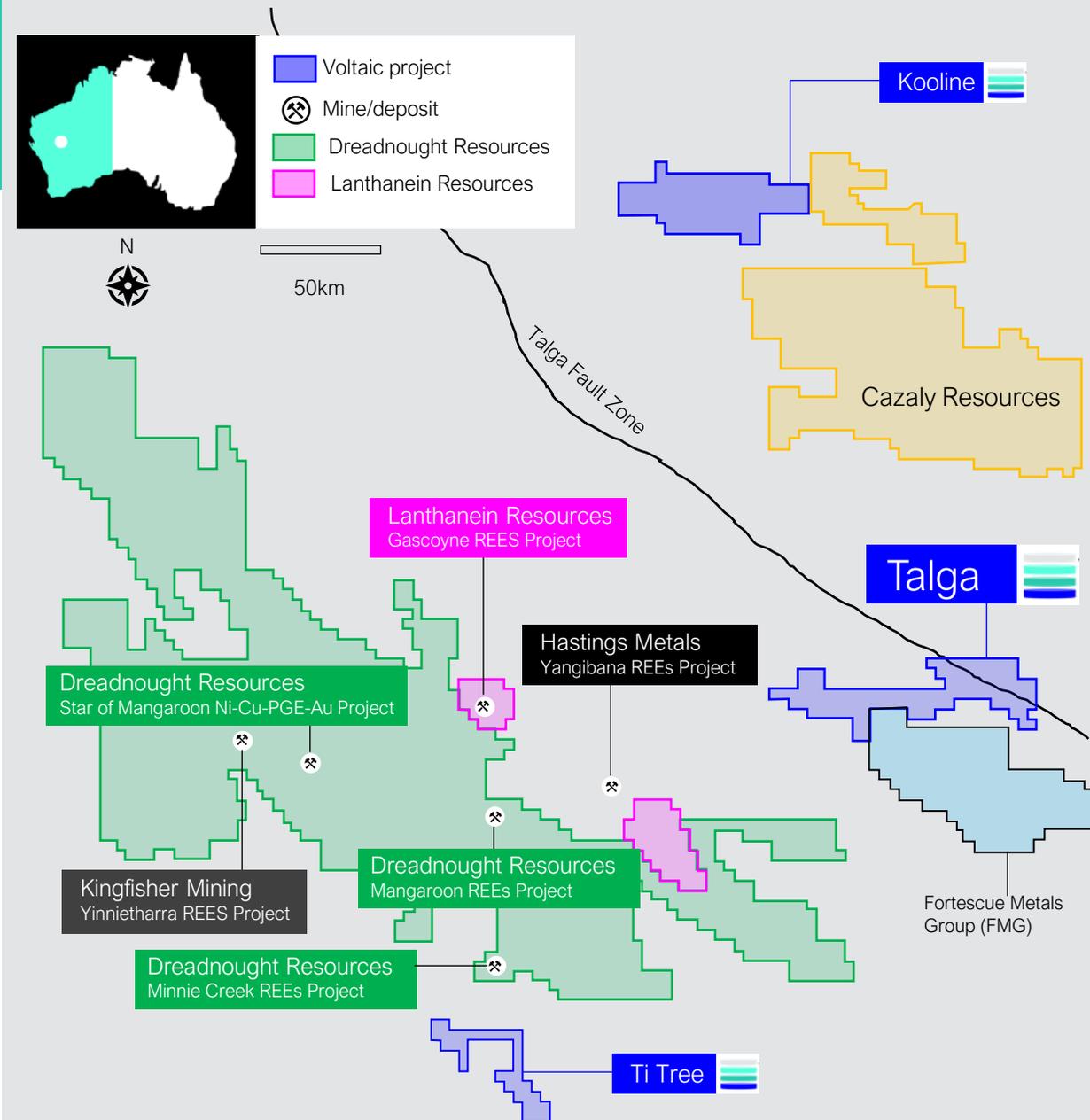
^{46/78}PGE

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.



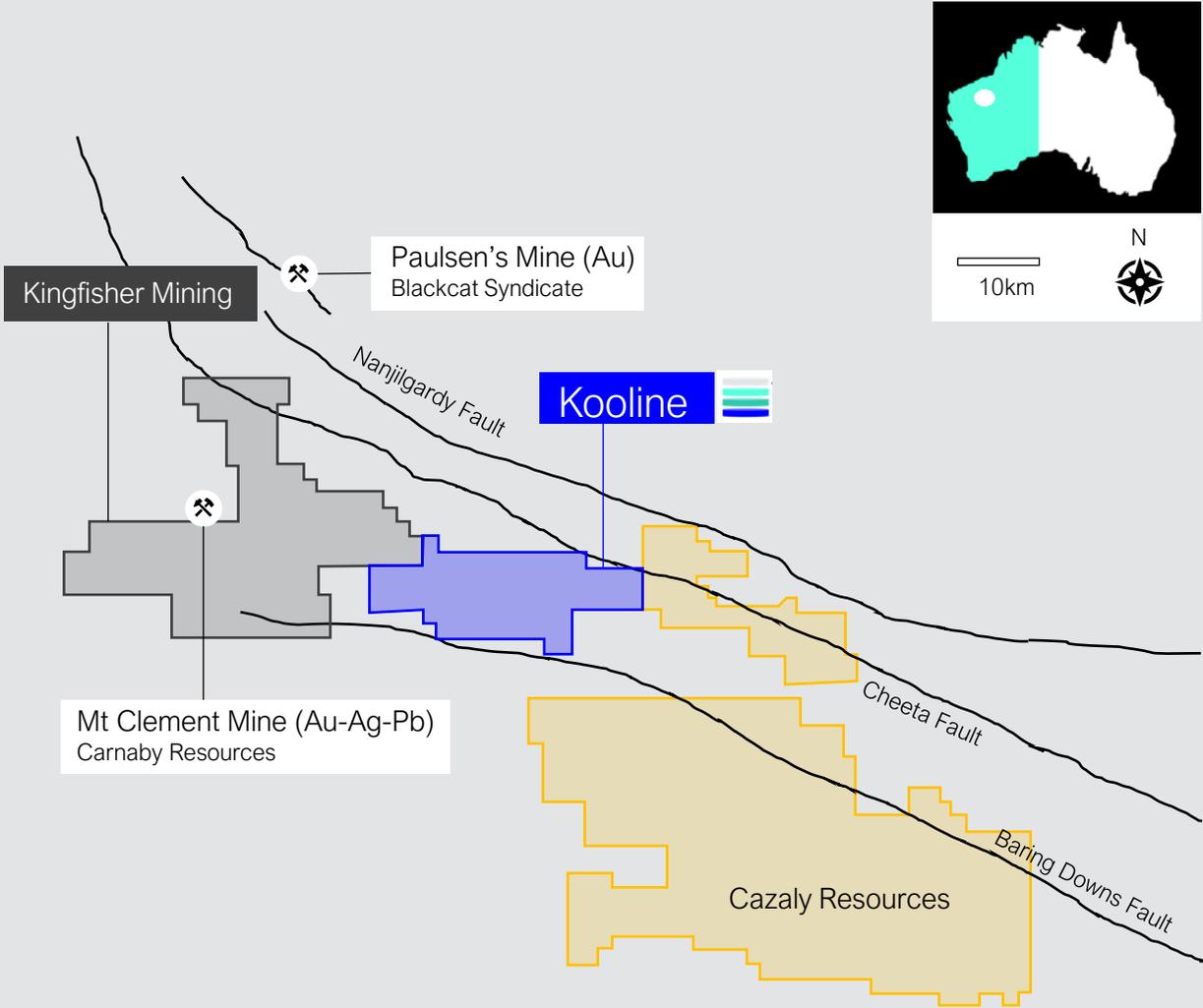
Kooline Project

²⁸ Ni ²⁹ Cu ²⁷ Co ^{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 (Boolaloo and Ashburton Projects, respectively).



Meekatharra projects



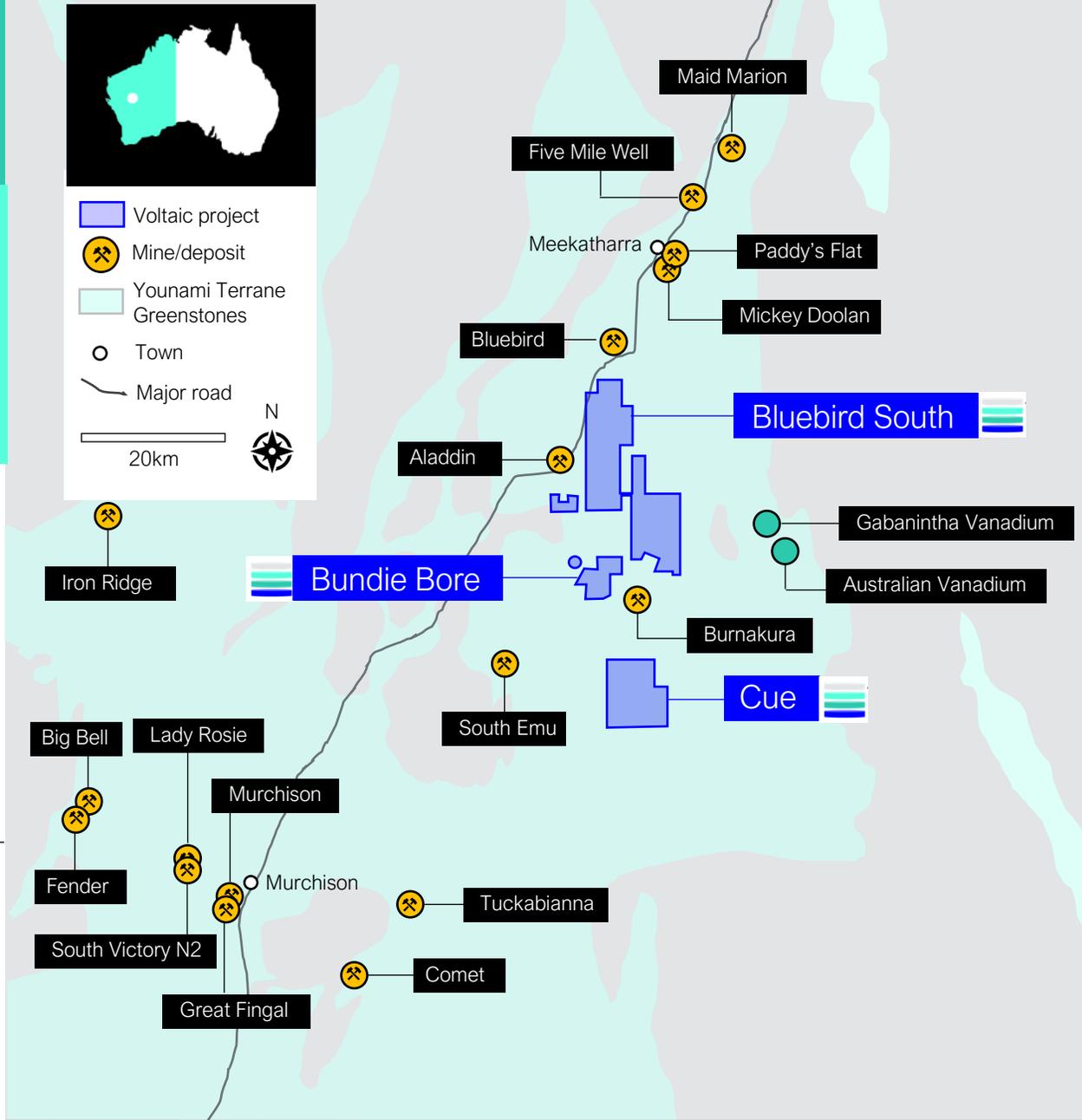
Three projects within a prolific gold and critical minerals precinct in Western Australia which has produced >35Moz of Au.

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%	

Connect with us

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