

27 March 2023

# EXPLORING AUSTRALIA'S MOST EXCITING CRITICAL MINERALS HOTSPOT

Michael Walshe  
Chief Executive Officer

<sup>3</sup> Li	<sup>59/60</sup> REE	<sup>28</sup> Ni	<sup>29</sup> Cu	<sup>27</sup> Co	<sup>46/78</sup> PGE	<sup>79</sup> Au	<sup>25</sup> Mn
-----------------	----------------------	------------------	------------------	------------------	----------------------	------------------	------------------



# Disclaimer

This document has been prepared by Voltaic Strategic Resources Limited (ABN 66 138 145 114) and/or its affiliates (together, "Voltaic Strategic Resources Limited") for the exclusive use of the party to whom Voltaic Strategic Resources Limited delivers this document (the "Recipient"). The information contained in this document has been prepared in good faith by Voltaic Strategic Resources Limited. However, no representation or warranty, either express or implied, is made as to the accuracy, completeness, adequacy or reliability of the information contained in this document. This document contains only a synopsis of more detailed information in relation to the matters described herein and accordingly no reliance may be placed for any purpose whatsoever on the sufficiency or completeness of such information as presented herein. This document should not be regarded by the Recipient as a substitute for the exercise of its own judgment and the Recipient should conduct its own due diligence in respect of the contents of this document. To the maximum extent permitted by law Voltaic Strategic Resources Limited, its directors, officers, employees, advisers, and agents disclaim any or all liability for any loss or damage which may be suffered by any person as a result of the use of, or reliance upon, anything contained within or omitted from this document.

This document has been prepared solely for informational purposes. This document does not constitute a prospectus and is not to be construed as a solicitation or an offer to buy or sell any securities, or related financial instruments, in any jurisdiction. The Recipient should not construe the contents of this document as legal, tax, accounting or investment advice or a recommendation. The Recipient should consult its own legal counsel, tax and financial advisors concerning any matter described herein. This document does not purport to be all-inclusive or to contain all of the information that the Recipient may require. No investment, divestment or other financial decisions or actions should be based solely on the information in this document. The distribution of this document may be restricted by law in certain jurisdictions. The Recipient and any other persons who come into possession of the document must inform themselves about, and observe, any such restrictions.

## CAUTIONARY STATEMENT REGARDING VALUES & FORWARD-LOOKING INFORMATION

The figures, valuations, forecasts, estimates, opinions and projections contained herein involve elements of subjective judgment and analysis and assumption. Voltaic Strategic Resources Limited does not accept any liability in relation to any such matters, or to inform the Recipient of any matter arising or coming to the company's notice after the date of this document which may affect any matter referred to herein. Any opinions expressed in this material are subject to change without notice, including as a result of using different assumptions and criteria.

This document may contain forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as "seek", "anticipate", "believe", "plan", "expect", and "intend" and statements than an event or result "may", "will", "should", "could", or "might" occur or be achieved and other similar expressions. Forward-looking information is subject to business, legal and economic risks and uncertainties and other factors that could cause actual results to differ materially from those contained in forward-looking statements. Such factors include, among other things, risks relating to property interests, the global economic climate, commodity prices, sovereign and legal risks, and environmental risks. Forward-looking statements are based upon estimates and opinions at the date the statements are made. Voltaic Strategic Resources Limited undertakes no obligation to update these forward-looking statements for events or circumstances that occur subsequent to such dates or to update or keep current any of the information contained herein. The Recipient should not place undue reliance upon forward-looking statements. Any estimates or projections as to events that may occur in the future (including projections of revenue, expense, net income and performance) are based upon the best judgment of Voltaic Strategic Resources Limited from information available as of the date of this document. There is no guarantee that any of these estimates or projections will be achieved. Actual results will vary from the projections and such variations may be material. Nothing contained herein is, or shall be relied upon as, a promise or representation as to the past or future. Voltaic Strategic Resources Limited, its affiliates, directors, employees and/or agents expressly disclaim any and all liability relating or resulting from the use of all or any part of this document or any of the information contained herein.

This material must not be copied, reproduced, distributed or passed to others at any time, in whole or in part, without the prior written consent of Voltaic Strategic Resources Limited.

## 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



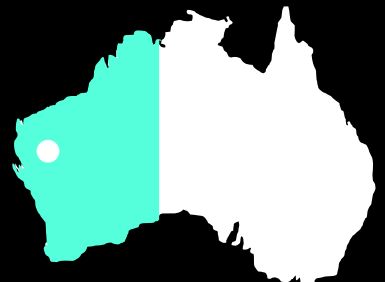
# The right place, the right time

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.

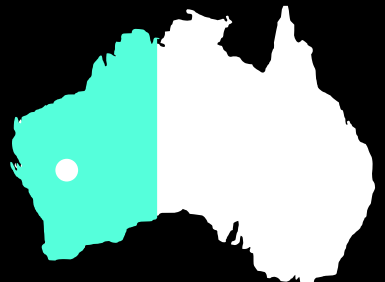
Growth potential – low Enterprise Value, leveraged to exploration success.

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



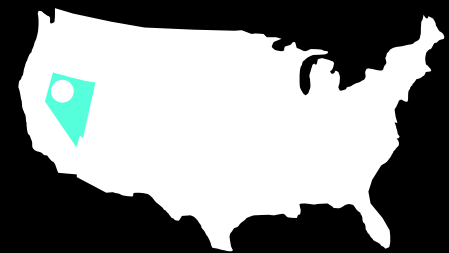
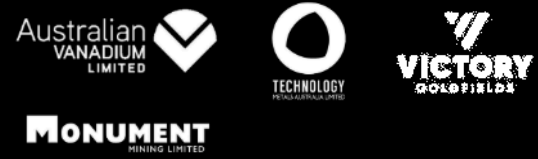
## Gascoyne Region Western Australia

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



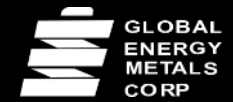
## Meekatharra Region Western Australia

- 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

**\$A0.017**

24 March 2023  
52 week high \$0.035, low \$0.018

Market capitalisation

**A\$7.1m**

24 March 2023

Debt

**Zero**

31 December 2022

Shares on issue

**420m**

21 December 2022

Cash

**A\$3.1m**

31 December 2022

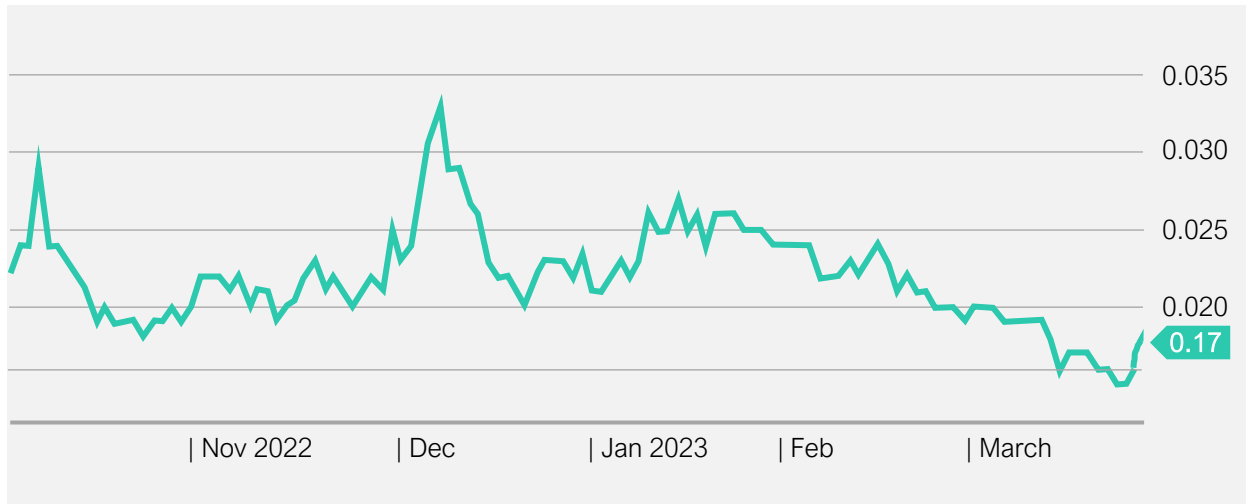
Various options\*

**10.5m**

31 December 2023  
\*unlisted

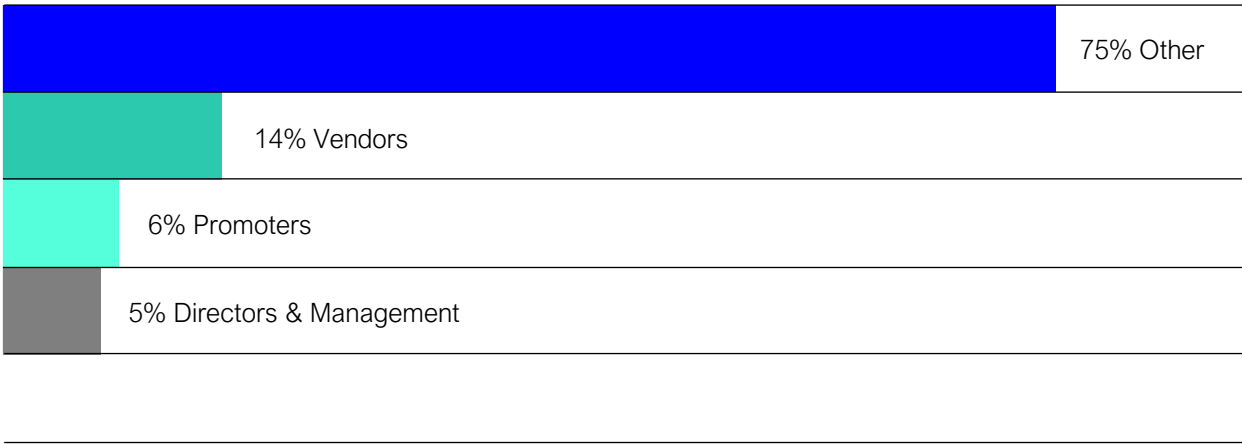
## ASX Share price performance (\$A)

Relisting date (5 Oct 2022) to 24 March 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.

### 01 Ti Tree Project Li

- >200 km<sup>2</sup> 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 with exploration target of >80Mt Li<sub>2</sub>O.
- LCT\* drill targets already identified

### 02 Paddy's Well Project REEs

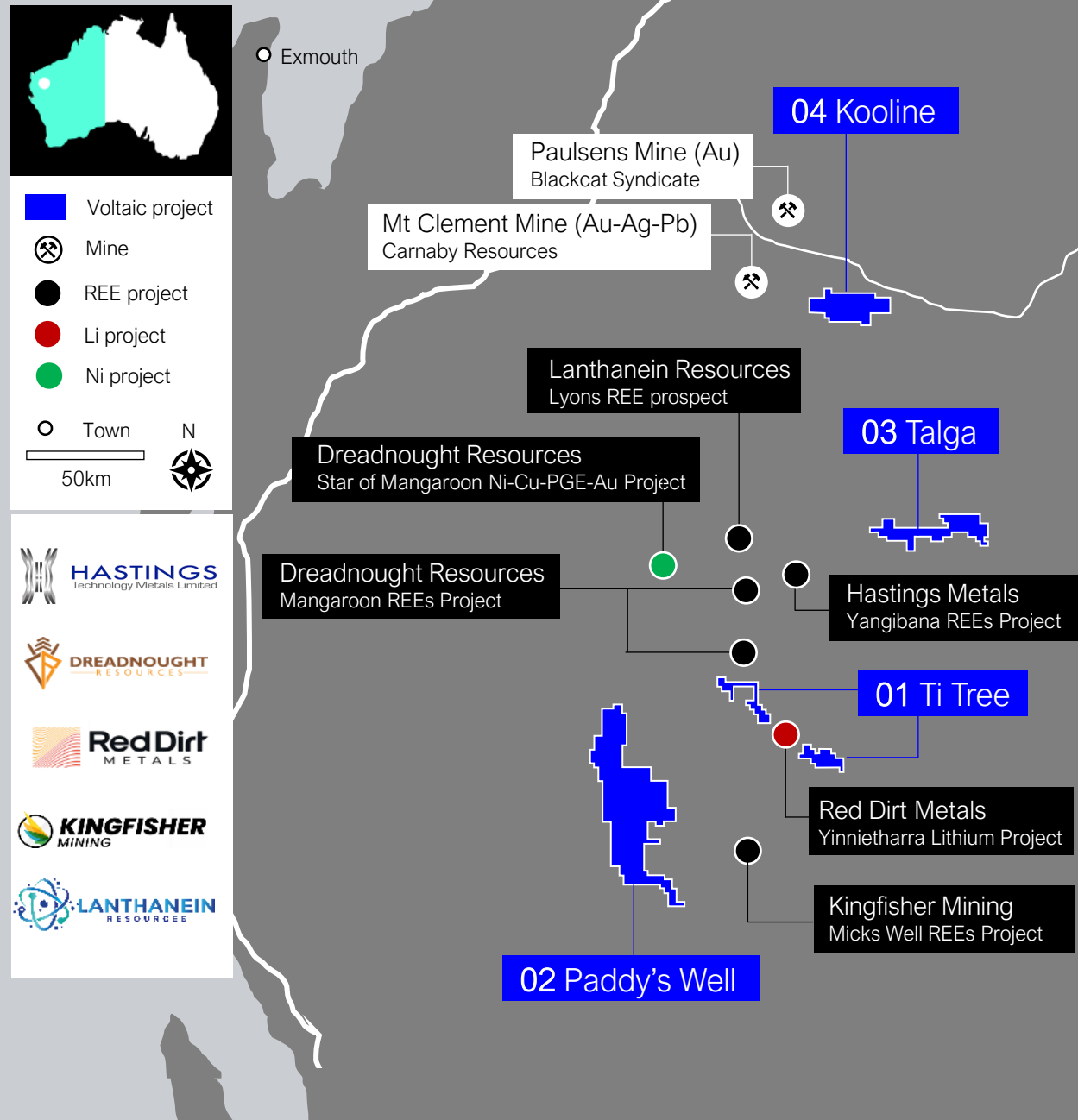
- Large landholding (1,300km<sup>2</sup>) in highly active REE\*\* exploration 'hotspot'.
- Both primary carbonatite and clay-hosted REE potential.
- Widespread anomalous REEs identified from drilling
- Further ground acquired to the west along prospective REE corridor.

### 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.





# Ti Tree Project

<sup>3</sup> Li

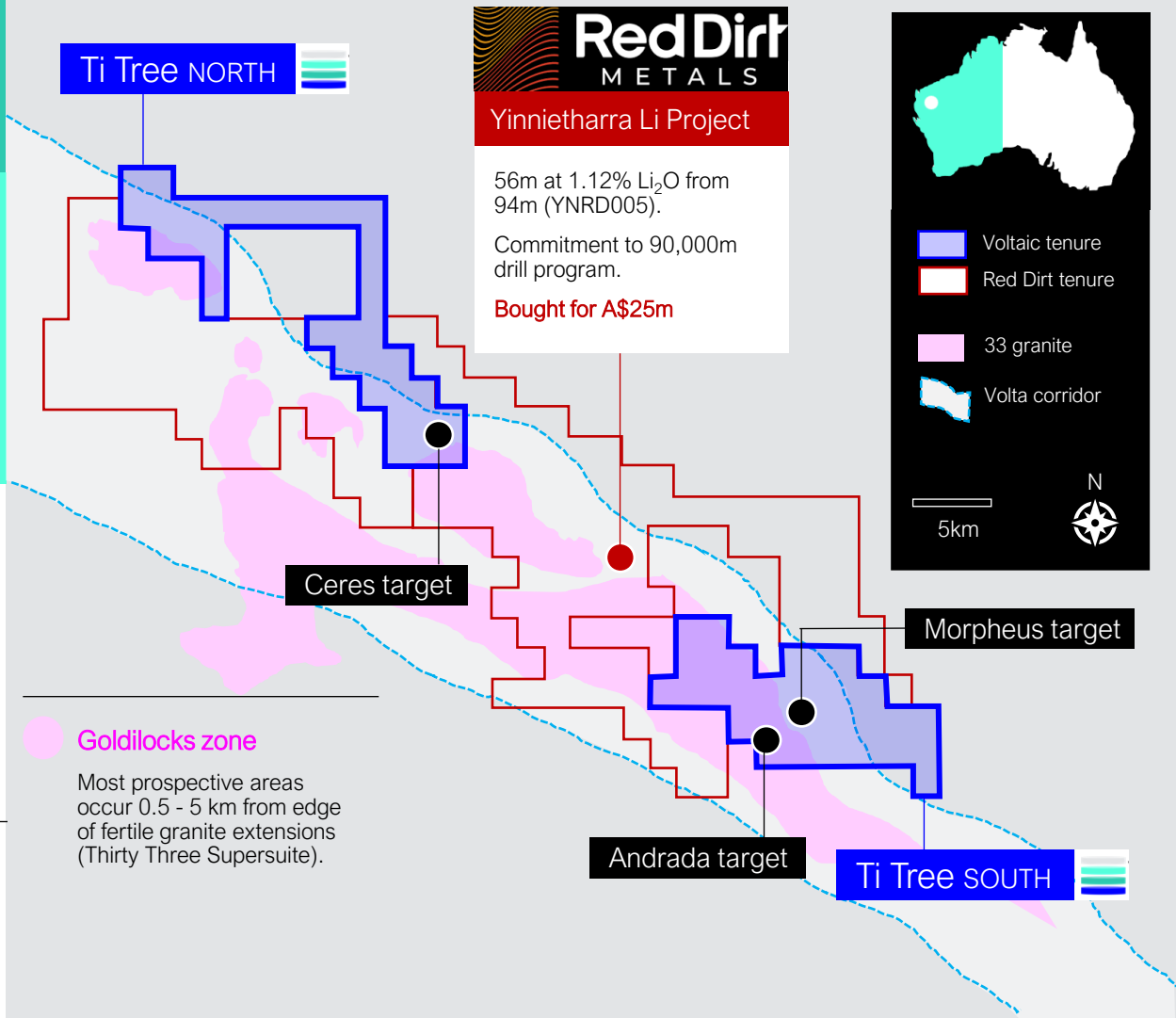
Located within Volta Corridor, an 80km prospective corridor of lithium-bearing pegmatites containing Red Dirt Metals' Yinnietharra Lithium Project.\*

90km of drilling next door

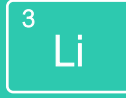
- Nearby Yinnietharra Lithium Project acquired by Red Dirt Metals for A\$25m in 2022.
  - Highly aggressive 90km drill program underway by RDT with exploration target of >80Mt Li<sub>2</sub>O & mining licence planning initiated.
  - Excellent initial drill intercepts - 56m at 1.12% Li<sub>2</sub>O from 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
- Over 230 rockchip samples collected from Phase 1 and 2 campaigns since October 2022
- 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

### Phase 3 campaign complete – assays due 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**

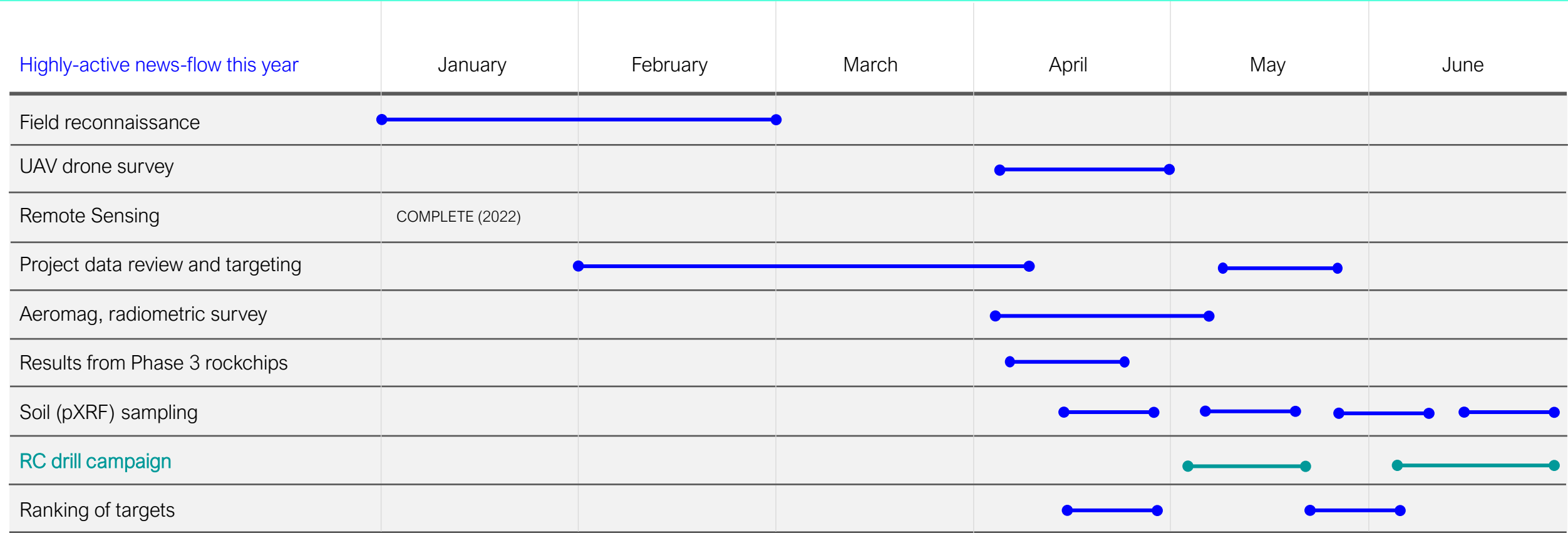


Major pegmatite outcrop. 3m true width. 80m strike.

# Ti Tree Project

## 2023 Timeline

**Ambition:** Lithium discovery at Morpheus or Andrada targets.



# Paddy's Well Project



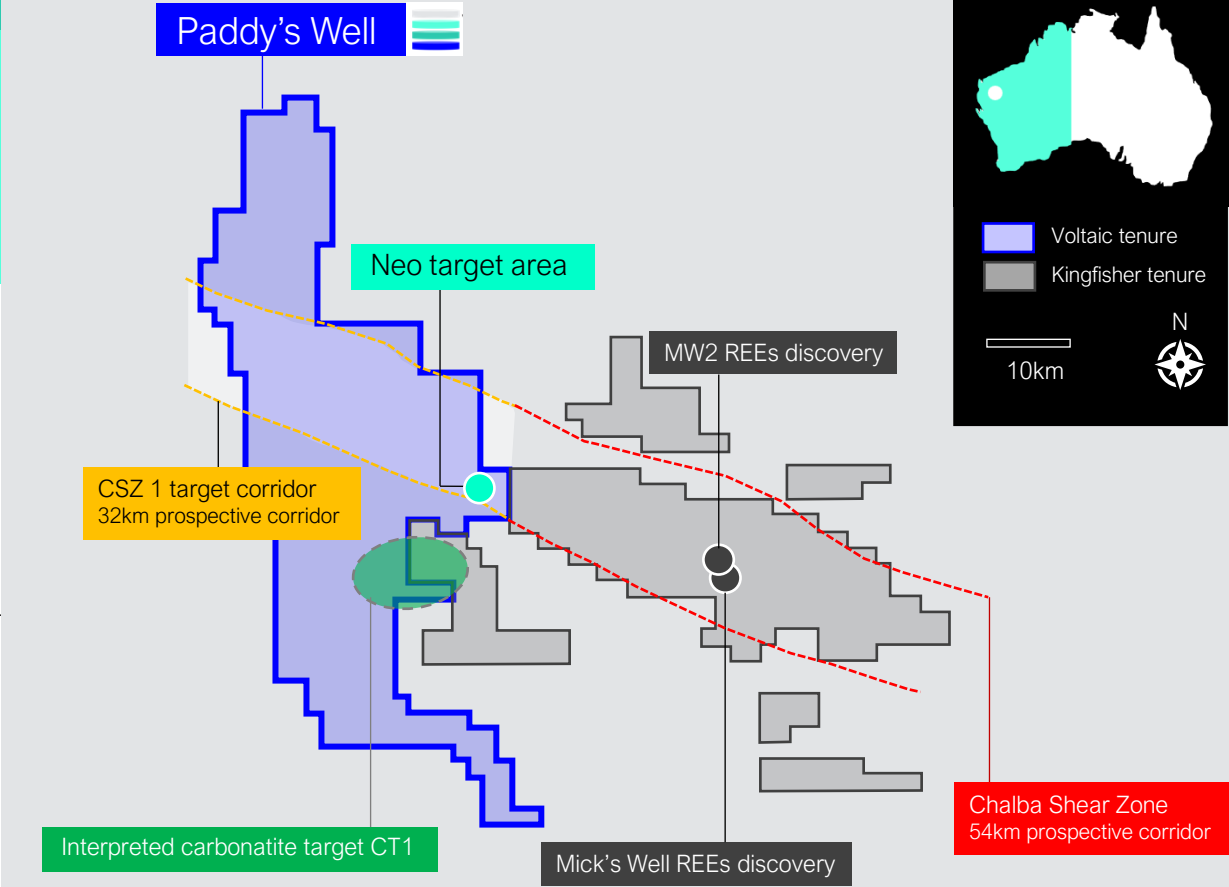
## In search of primary and clay-hosted, high-value magnetic rare earth elements (REEs).

### 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 (Y<sub>2</sub>O<sub>3</sub>)



N

S

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

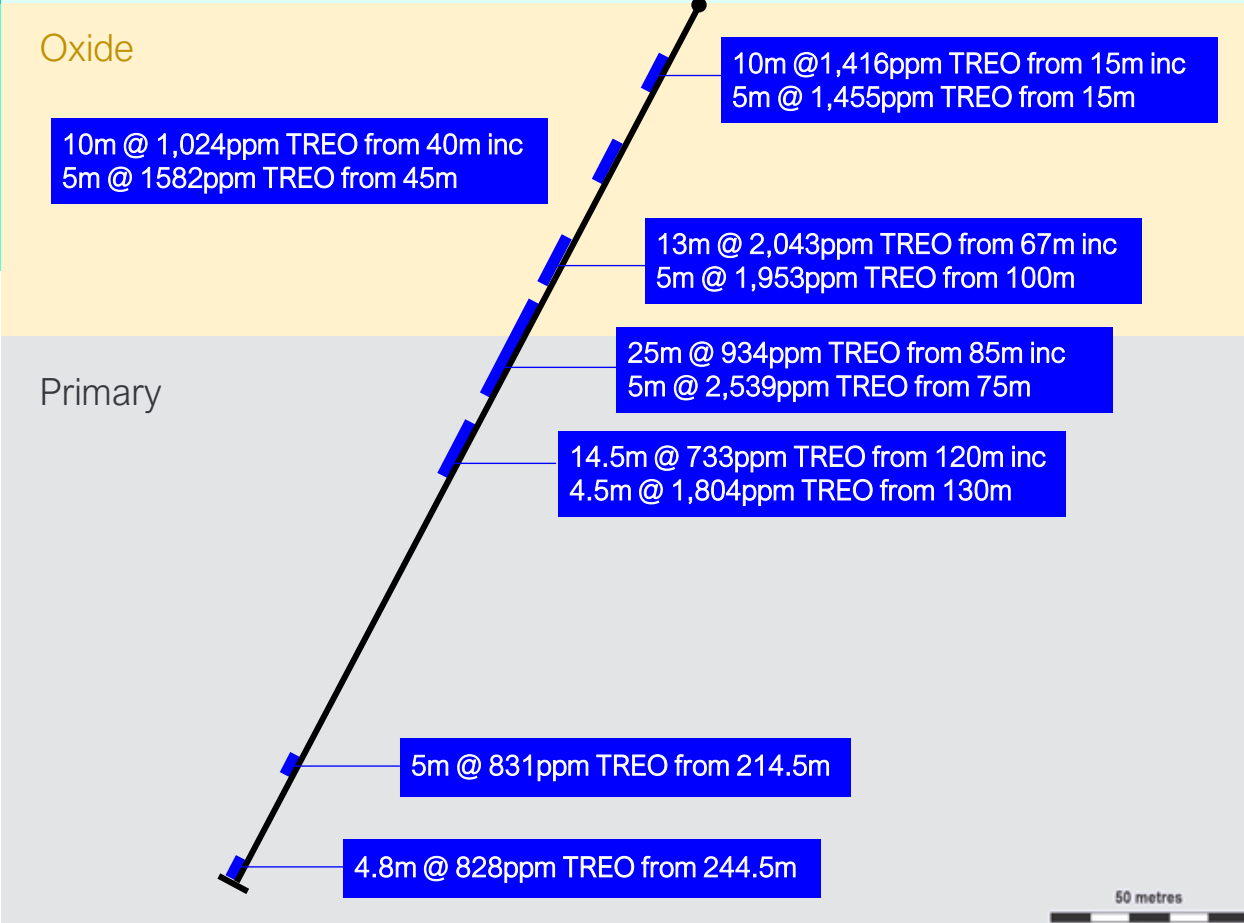
### Phase 1 drilling complete at Neo

- 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

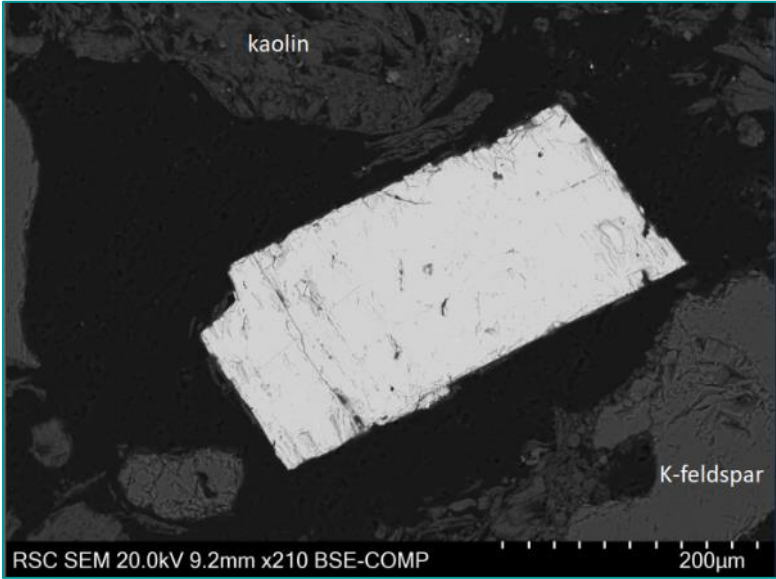
Historical Drill hole GAD0004



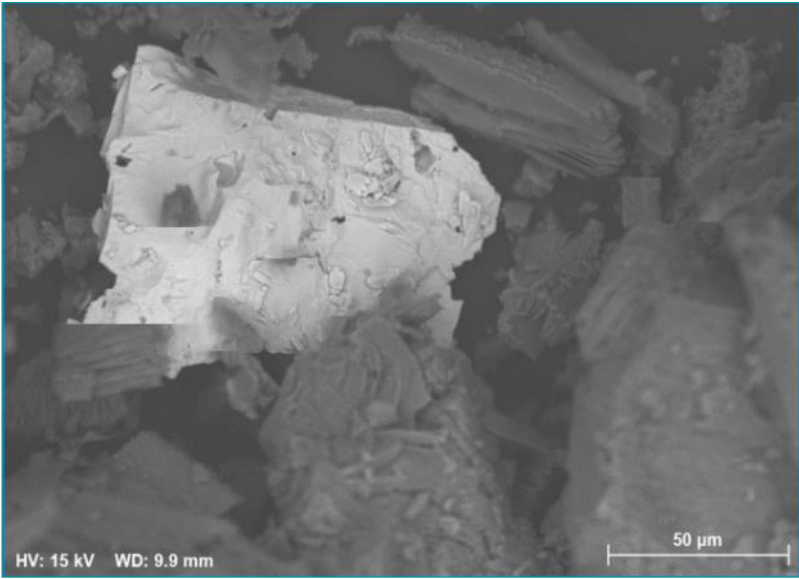
Section 374365mE  
Looking east



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



Monazite



Monazite



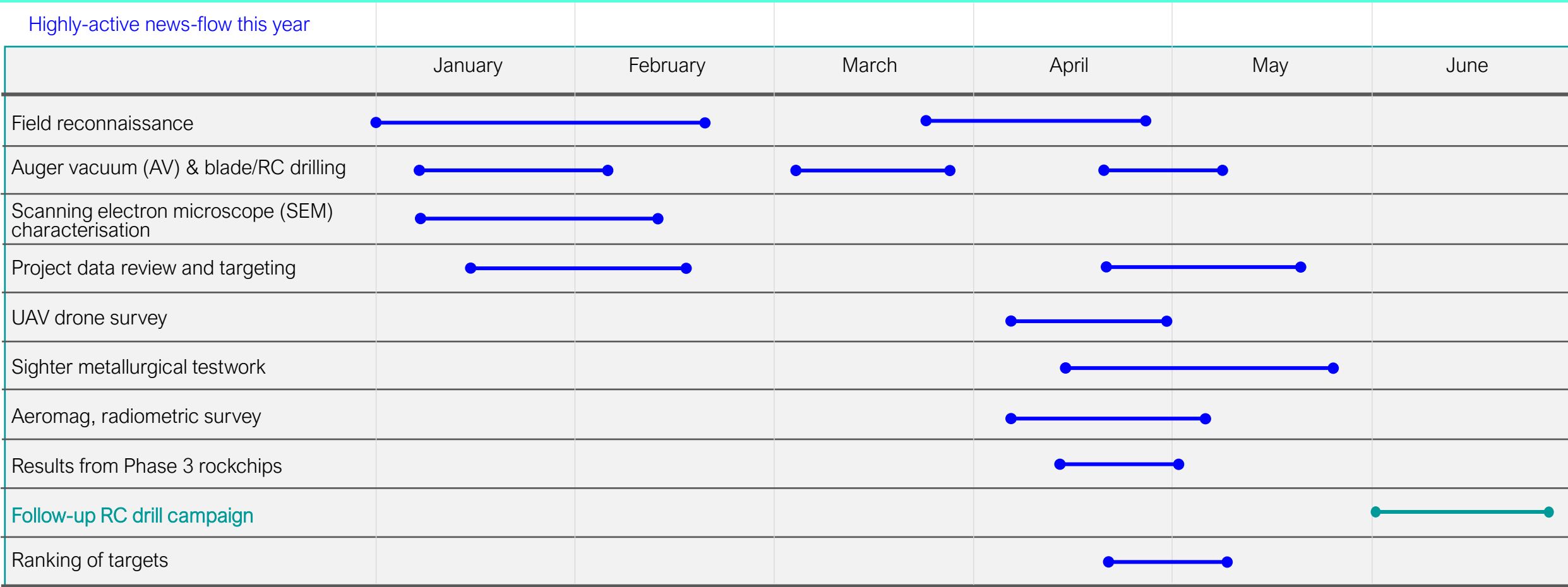
Rhabdophane

# Paddy's Well Project

## Timeline

Drilling planned for April 2023.

**Ambition:** Define clay-hosted magnetic REEs deposit at Neo.



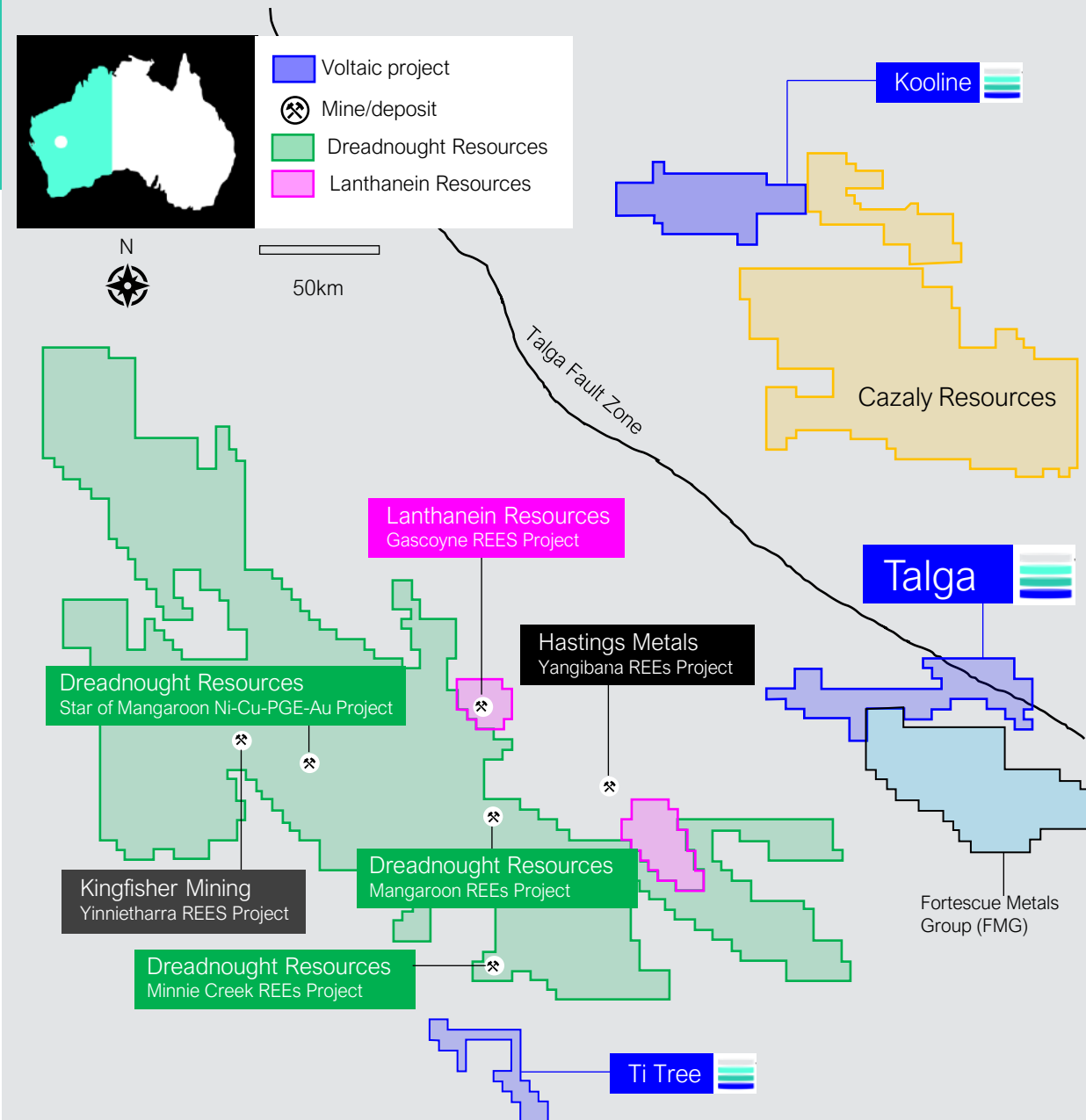
# Talga Project



## 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.





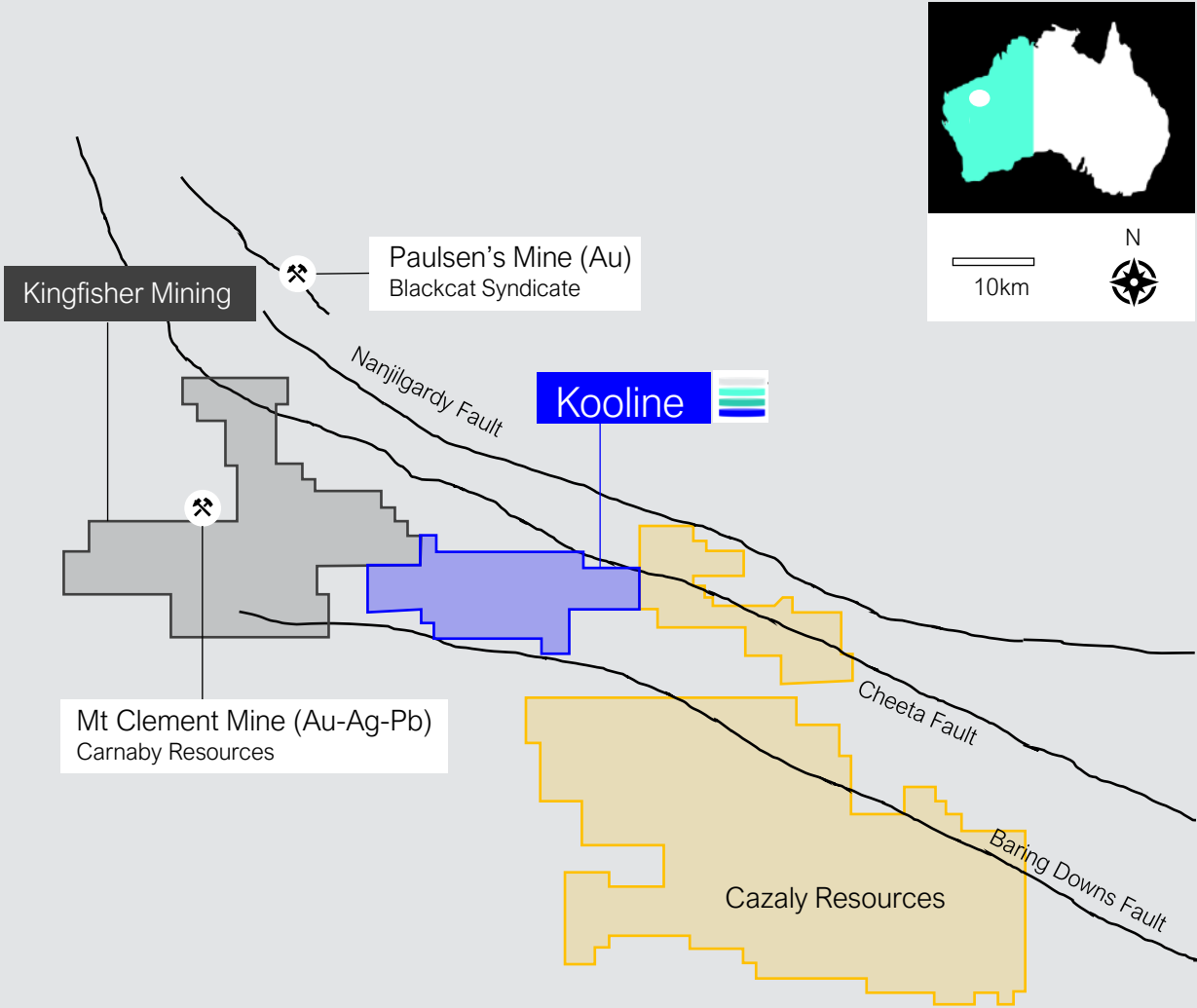
# Kooline Project



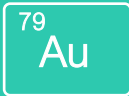
## Potential orogenic Cu-Au and Cu-Ag-Pb-Zn deposits 40km from Paulsen's Gold Mine (900Koz produced since 2005).

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



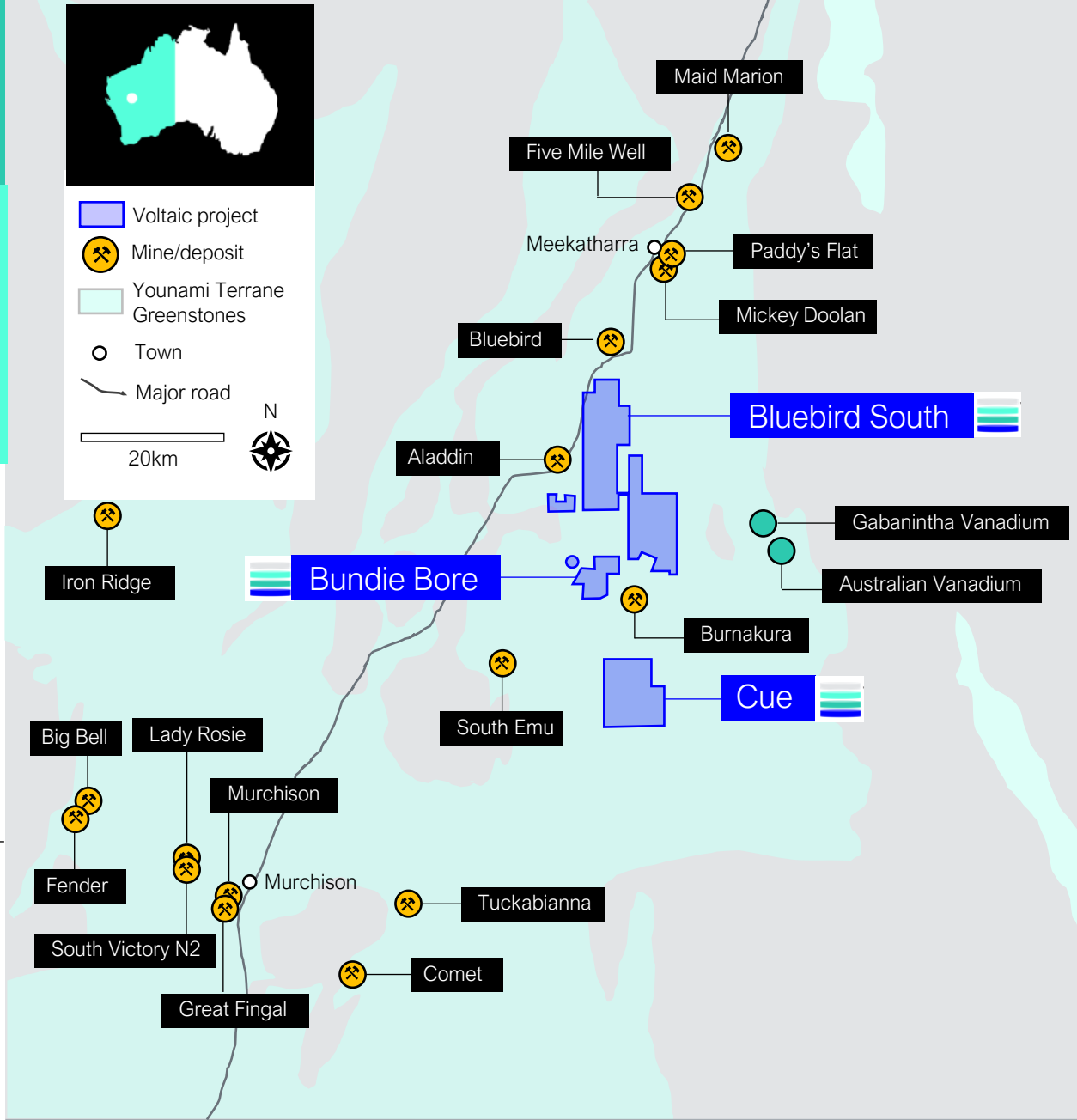
Three projects within a prolific gold and critical minerals precinct in Western Australia which has produced >35Moz of Au.

### 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).

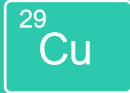
### Emerging vanadium-titanium district

- Australian Vanadium Project (Resource 239Mt @ 0.73% V<sub>2</sub>O<sub>5</sub>).
- Technology Metals’ Gabanintha Project (Resource 110Mt @ 0.84% V<sub>2</sub>O<sub>5</sub>).



# 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.



# 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

# Connect with us

Voltaic Strategic Resources  
Limited  
ABN 66 138 145 114  
ASX:VSR

Suite 2, 38 Colin Street  
West Perth, WA 6014  
Australia

info@voltaicresources.com  
voltaicresources.com.au



**Michael Walshe**  
Chief Executive Officer

michael.walshe@voltaicresources.com  
+61 (8) 6245 9821



Join the conversation  
@Voltaic\_VSR



Follow us  
www.linkedin.com/  
company/voltaic-  
strategic-  
resources

eNews.

Subscribe to our e-news:  
voltaicresources.com



# Appendix Tenement list

Project Group	Project Name	Tenement Number	Tenement Name	Status	Primary Prospectivity	Blocks	Area (km <sup>2</sup> )	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 $\alpha$	Application		89	277	100%
		E 09/2744	Gadolin $\beta$	Application		110	342	100%
		E 09/2773	Gadolin $\gamma$	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%	