TI TREE LITHIUM PROJECT INVESTOR PRESENTATION & VIDEO UPDATE

Voltaic Strategic Resources Limited ('Voltaic' or 'the Company') (ASX:VSR) is pleased to provide an

overview of the information that was presented in the ASX announcement dated 7 February 2023, as per the attached investor presentation. This information is provided by the Company to enhance the understanding of the results that have been provided in the previous ASX announcement.

An associated video recording with the CEO, Michael Walshe, to provide commentary regarding this presentation can be found here: www.voltaicresources.com/site/investor-centre/videos, titled "*Ti Tree Lithium Project Update - Maiden Rock Chip Results*".

Previous Related Market Announcements ASX:VSR <u>Ti Tree Li Project Maiden Rock Chip Results</u>

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WEB / MEDIA







COMPETENT PERSONS 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.

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This announcement may contain forward-looking statements which involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions, and estimates should change or to reflect other future development.

Voltaic Strategic Resources Ltd Suite 2, 38 Colin Street West Perth Western Australia 6005







07/02/2023

STRATEGIC RESOURCES

Ti Tree Lithium Project Update Maiden Rock Chip Results



INVESTOR PRESENTATION

09 February 2023



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GASCOYNE REGION

An emerging Critical Metals province:

LITHIUM: Ti Tree Project

- >200 km² project with no prior systematic exploration for Lithium (Li)
- Neighbour to Yinnietharra (formerly 'Malinda') Li discovery (Red Dirt Metals (ASX:RDT))
 - Latest drill results from M1 pegmatite: 56m at 1.12% Li₂O from 94m (YNRD005) + commitment to 90,000m drill program
 - Acquired for A\$25M from Electrostate Pty Ltd in 2022
 - Contiguous to VSR Ti Tree Project interpreted lithium corridor
- Potential to be WA's next Lithium district

RARE EARTHS: Paddys Well project

- Historical drilling with anomalous Rare Earth Elements (REE)
- Large tenement package in highly active REE exploration 'hotspot'

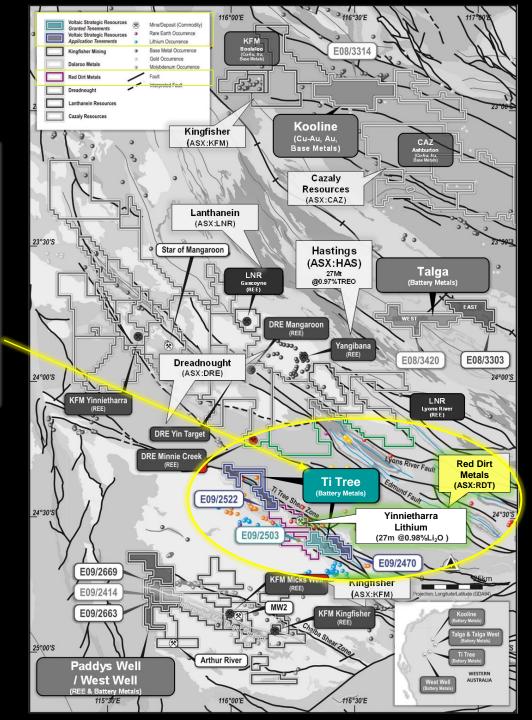
Ni-Cu-Co-PGE: Talga project

- Targeting Nickel Sulphides

COPPER-GOLD, GOLD, BASE METALS – Kooline project

Copper-gold and base metals prospectivity





TI TREE PROJECT



In search of Lithium-Caesium-Tantalum (LCT) pegmatites

Prospectivity?

The best place to make a discovery, is beside a discovery



Purpose

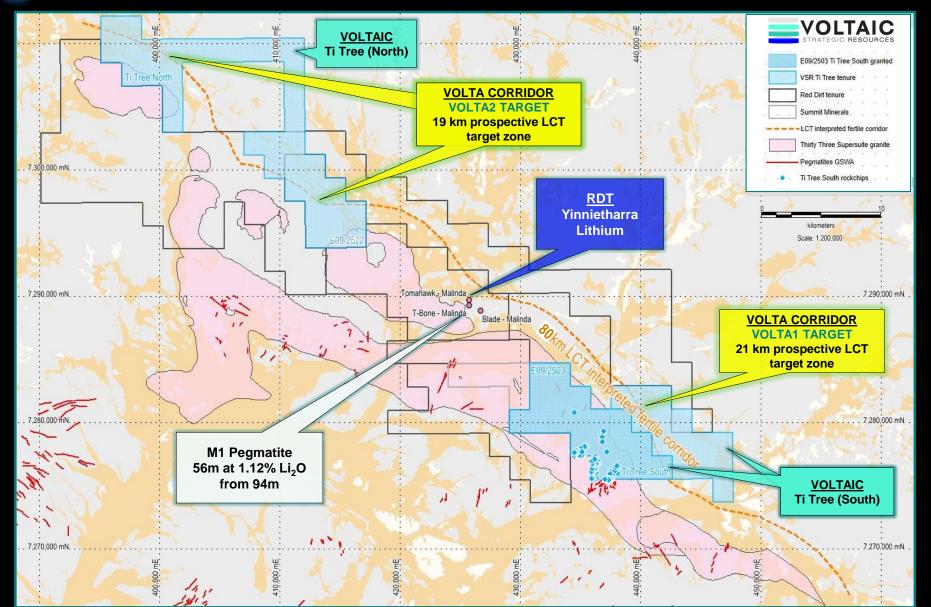
Using established best-practices in lithium exploration



Ti Tree Project

- Comprises 3 exploration licences (212 km²)
- Tenure overlays an interpreted **prospective corridor of lithium-bearing pegmatites** where recent exploration efforts have discovered the Yinnietharra (formerly 'Malinda') Li prospect).
 - 56m @ 1.12% Li₂O with at least 6 regional intercepts above 1% Li₂O
- Voltaic's ground is along strike both NW and SE of Malinda and includes the granite contact extensions





Та

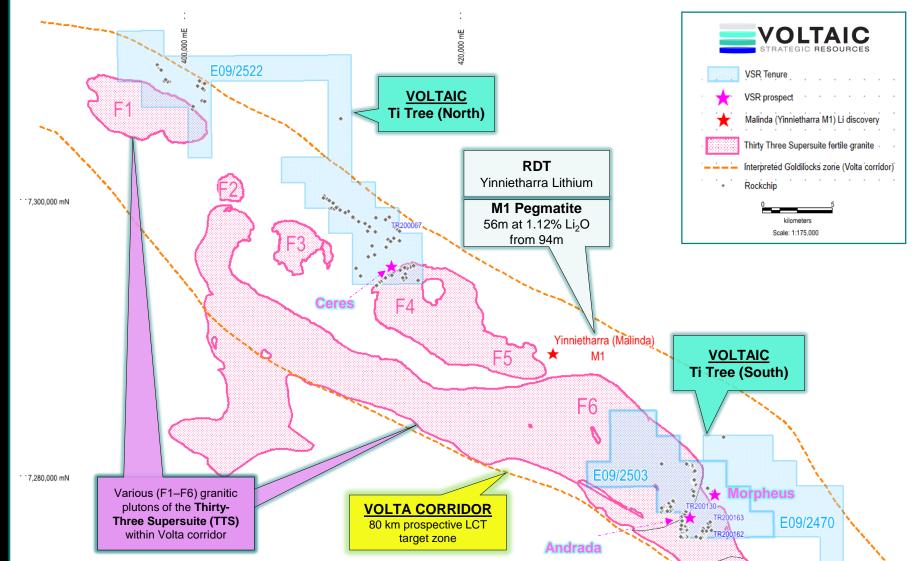
Cs

Li

Where is the Lithium coming from?

- Most likely, the major granitic bedrock system, the "*Thirty Three Supersuite*" - named after the Thirty Three River
- There is an interpreted 80 km 'corridor' from the bottom of Ti Tree South to the top of Ti Tree North that is underlain by the *Thirty Three Supersuite.* ('VOLTA' CORRIDOR).
- VSR's Ti Tree tenements overlay 40km of this corridor
- Most prospective areas occur
 0.5 5 km from edge of granite ("Goldilocks zone")





Li

Cs

Та

How do we know this?

- Geochemical "fertility" analysis the established science behind Lithium exploration. Pioneered by P. Cerny in the 1980s
- Hardrock Li-Cs-Ta (LCT) deposits are typically hosted within pegmatitic rocks. Pegmatites evolve from 'parent' granitic rocks and are most typically "barren" (not enriched in LCT mineralisation)

Cs

Та

- Granites or pegmatites that are enriched in LCT mineralisation are deemed "fertile"
- The TTS granites have been shown to be "fertile" by both Segue Resources (original discoverers of Yinnietharra), and now by Voltaic from our maiden rock chip sampling campaign.
- Outcome = significant extension of LCT prospectivity across the region



Pegmatites at Ti Tree

- Widespread throughout tenure
- Outcropping at surface
- Are they "fertile" (LCT enriched)?
 - Yes, as confirmed from maiden surface sampling campaign (see Appendix for details)
- ~ 230 samples collected
- Active follow-up in progress



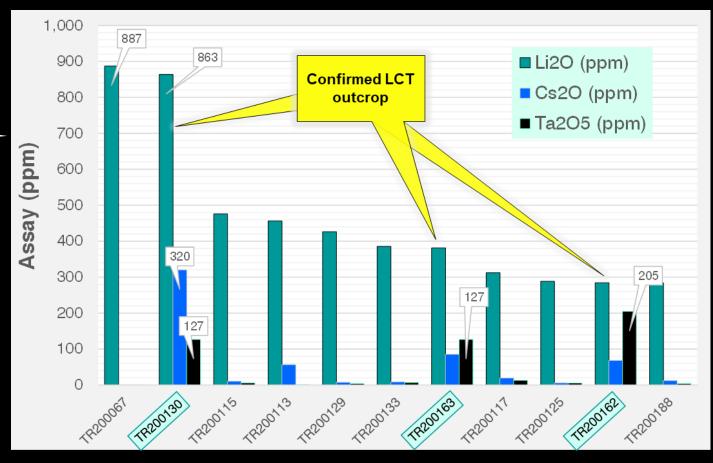


Are the samples enriched in: Lithium, Caesium & Tantalum?

YES Several samples with highly anomalous results

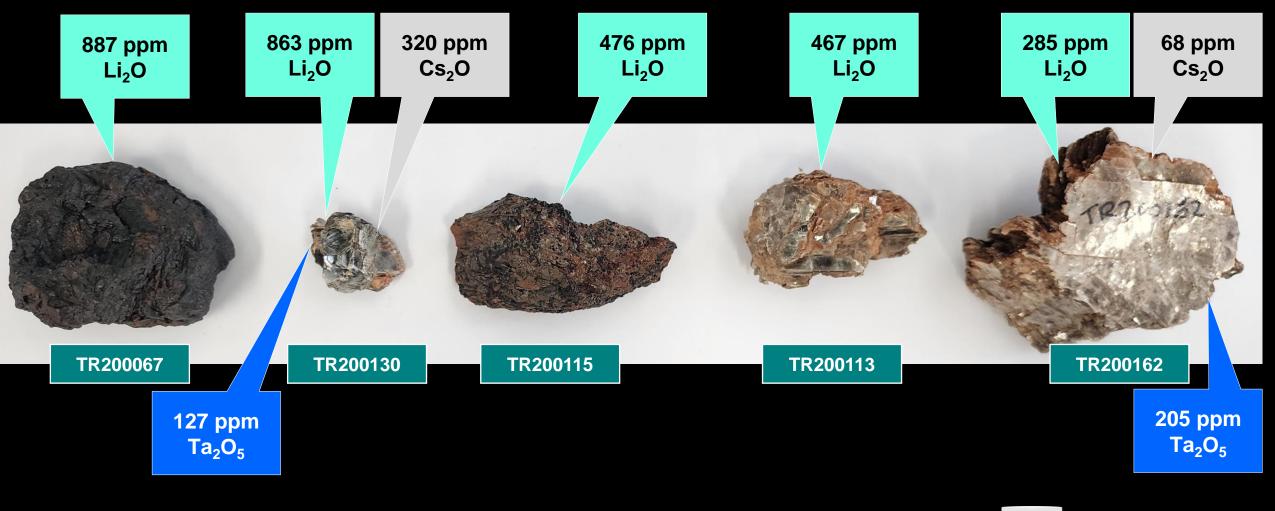
Very encouraging at such an early stage of the project's lifecycle





Crustal abundance in granite ("background concentration") of LCT elements given as 43 ppm Li_2O , 4 ppm Cs_2O & 3 ppm Ta_2O_5 . Reference: Breaks *et. al* 2005, p. 4.

Very favourable initial LCT assays





Outcome 1

RESULT:

All key indicators display that the rocks at Ti Tree are:

- highly fertile,
- highly fractionated, &
- enriched in LCT mineralisation

Very favourable for hosting a potential LCT Resource





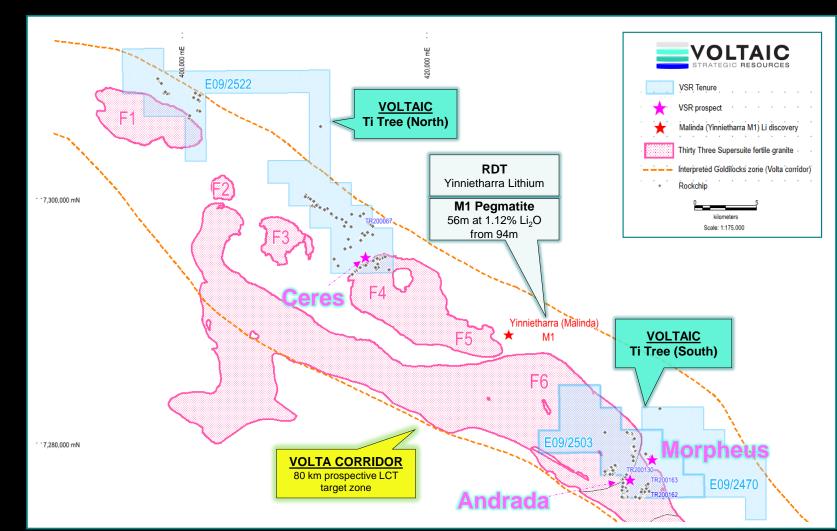
Fractionated pegmatite with tourmaline



3 x Drill Targets identified

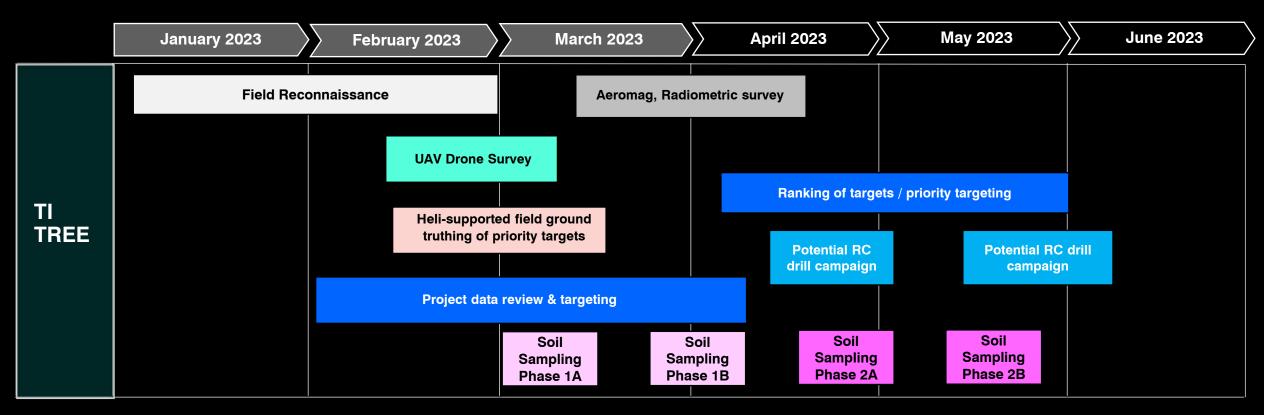
- 1. "Andrada"
- 2. "Ceres"
- 3. "Morpheus"





The path ahead at Ti Tree

- Keep building pipeline of drill targets
- Potentially drill test by April / May 2023

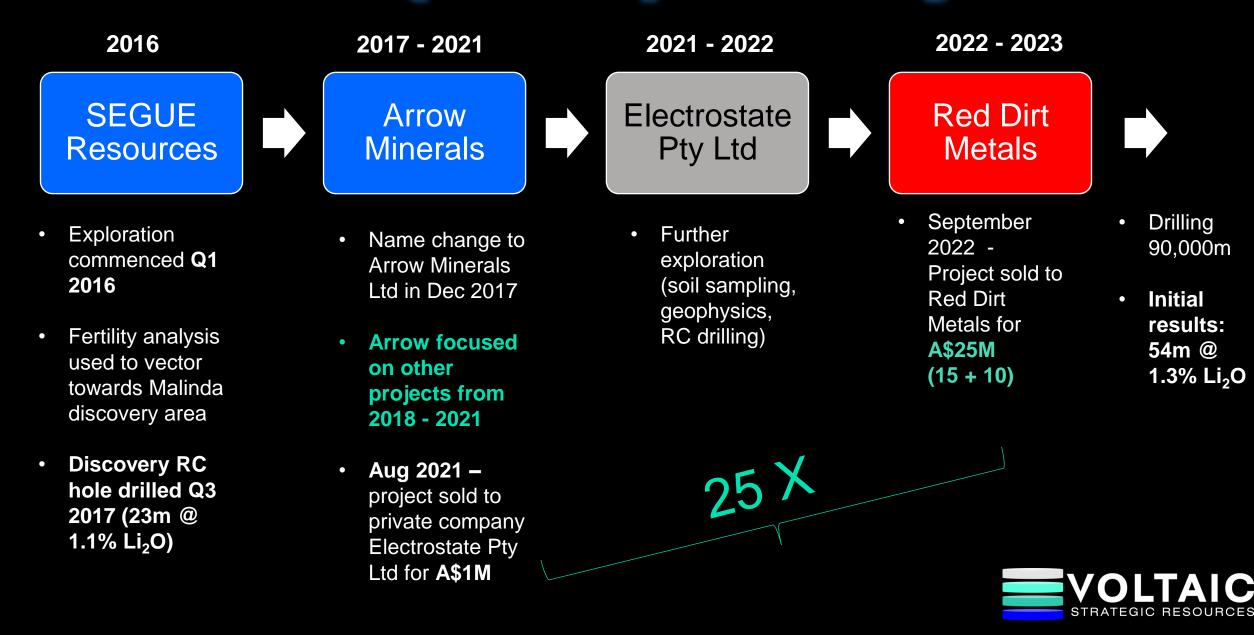


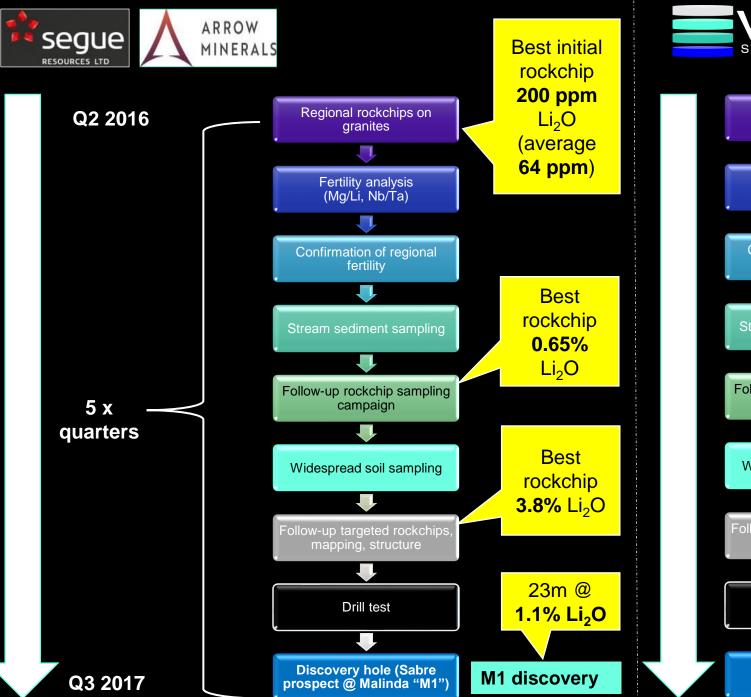


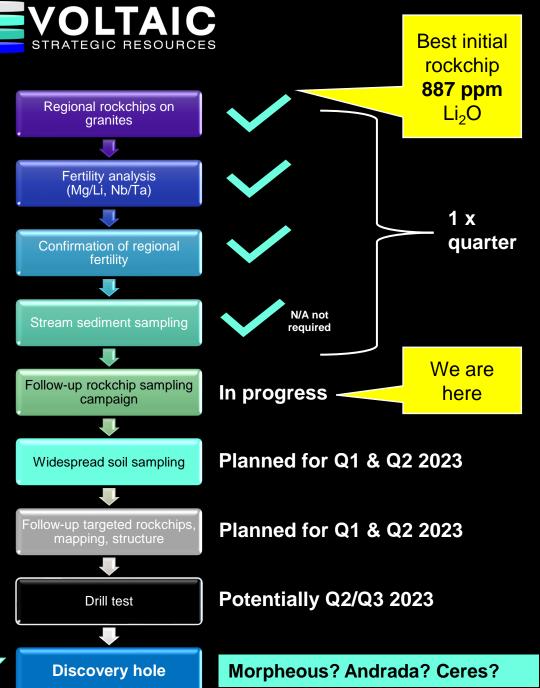
Timeline of the neighbouring Malinda / Yinnietharra Li discovery



Yinnietharra (Malinda) Discovery Timeline







APPENDIX I – Results

Maiden Surface Geochemical Sampling Results from Ti Tree



Are the samples Fertile?

Geochemical fertility ratios within fertile granites / pegmatites – required ranges

Geochemical ratio	Required range for fertility / fractionation
Magnesium : Lithium (Mg/Li)	>50 = barren, <50 = fertile, with <30 highly fertile
Niobium : Tantalum (Nb/Ta)	<=8 indicating high fractionation
Potassium : Rubidium (K/Rb)	42 – 270
Potassium : Caesium (K/Cs)	1,600 – 15,400
Zirconium : Hafnium (Zr/Hf)	16 – 64

Reference: Cerny (1989, p.283); Breaks et al. (2005, p. 9)



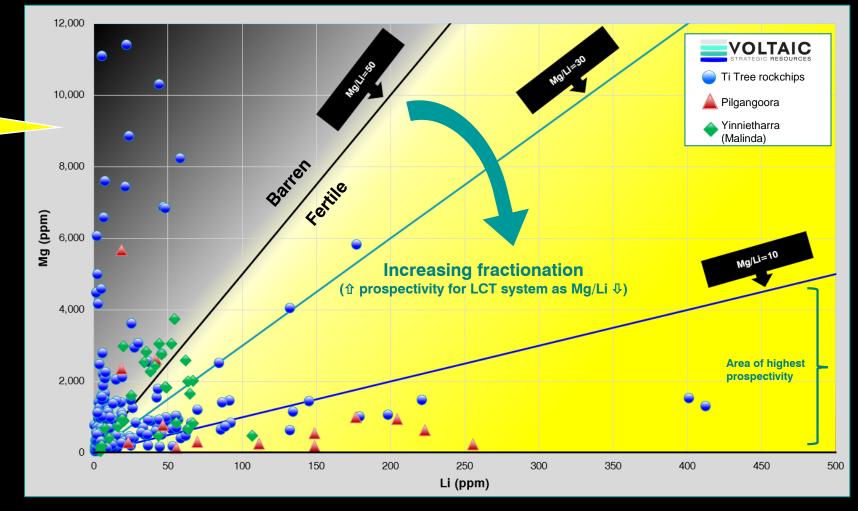
Are the samples Fertile (Fractionated)? Mg/Li

YES Several within fertile "sweet spot" of Mg/Li < 30 with elevated Lithium

 \checkmark

Results comparable to Yinnietharra Li & worldclass deposits like Pilgangoora

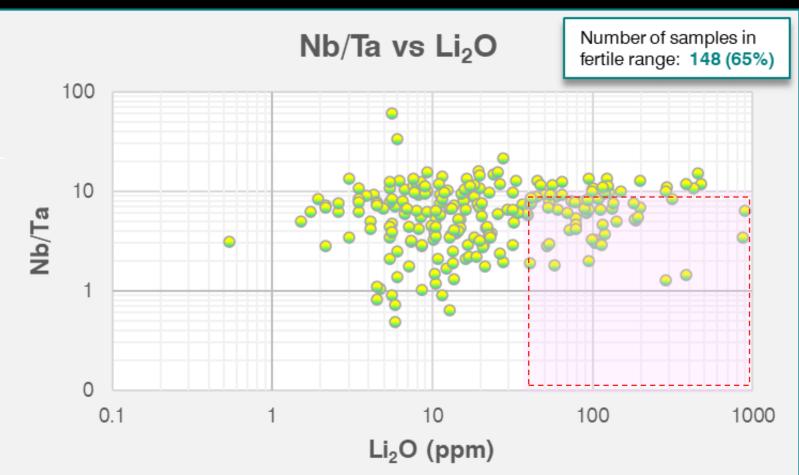




Are the samples Fractionated? Nb/Ta

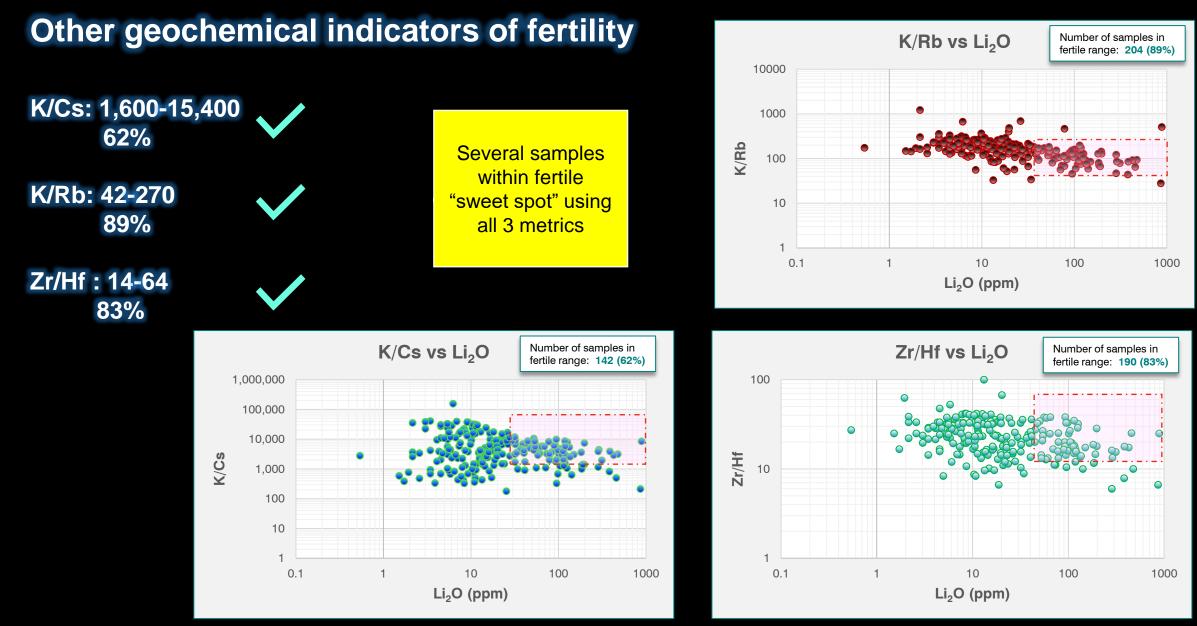
YES Several within fertile "sweet spot" of Nb/Ta< 8 with elevated Lithium





Other geochemical indicators are telling us the same story...

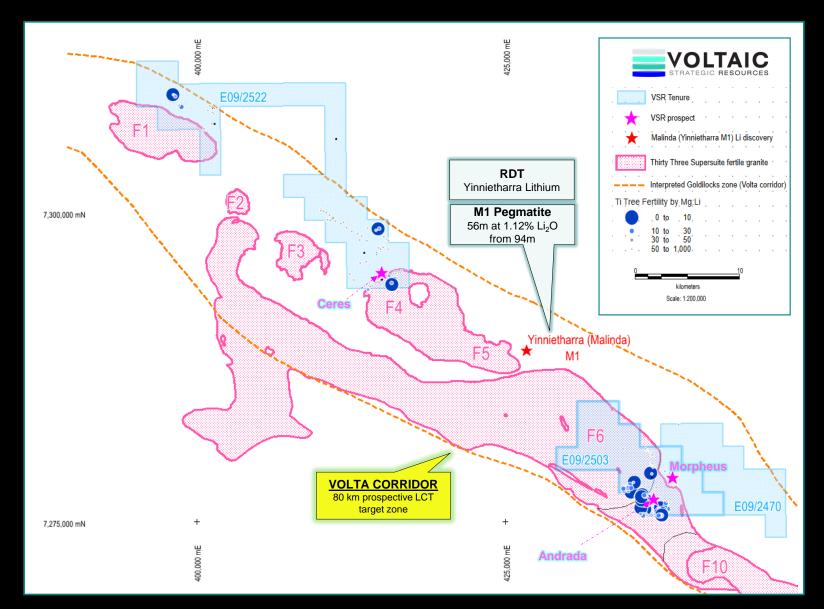






Fertility Analysis by Mg/Li Ratio Mg/Li plot across tenure

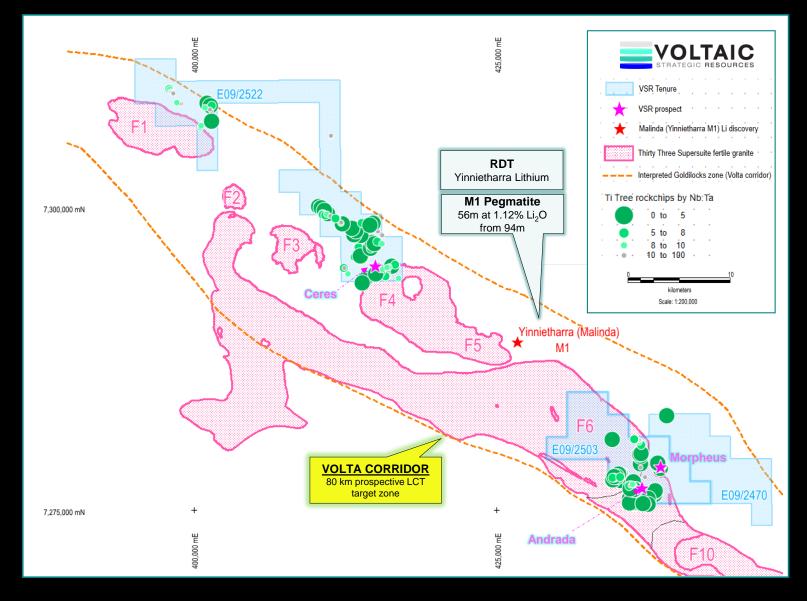
Mg/Li < 50 indicates a fertile granitic system with LCT prospectivity increasing as Mg/Li decreases





Fertility Analysis by Nb/Ta Ratio Nb/Ta plot across tenure

Nb/Ta < 8 indicates high fractionation and favourable LCT prospectivity





Assay Results

Phase 1 & 2 rockchip results - LCT oxides & fertility ratios (Mg/Li, Nb/Ta)

***Cutoff used:** $Li_2O < 45$ ppm.

**Ratios:

Mg/Li < 50 indicates a fertile system, with <10 highly prospective.

Nb/Ta <= 8 indicates highly fractionated zonation (favourable for LCT mineralisation).



Cpsmb (ppm) (ppm) <th< th=""><th>Sample ID</th><th>Easting</th><th>Northing</th><th>Sample</th><th>Lithology</th><th></th><th>ASSAYS</th><th></th><th>RAT</th><th>OS**</th></th<>	Sample ID	Easting	Northing	Sample	Lithology		ASSAYS		RAT	OS**
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APPENDIX II – Technical Background Information

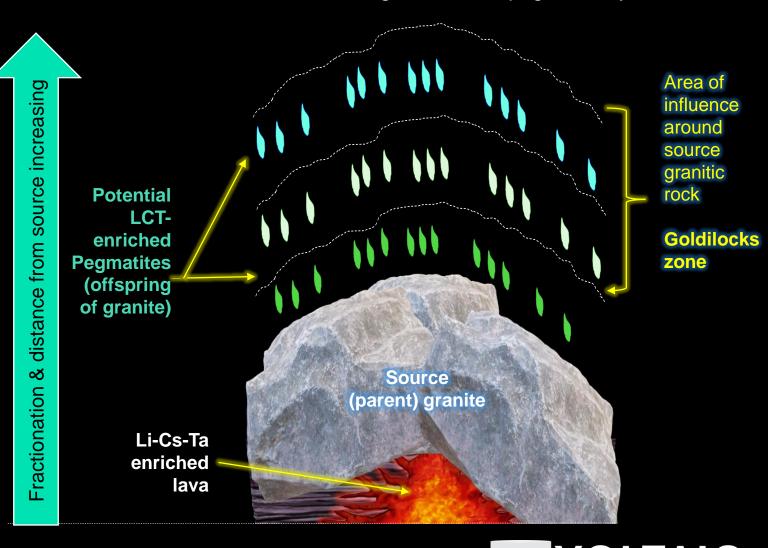
The science behind Lithium exploration



What are we looking for at tites

- A pegmatite can be viewed as the offspring of a parental granitic rock
- The granite / pegmatite can be categorised as either "barren" (not enriched) or "fertile" (enriched in the minerals of interest)
- LCT Pegmatite: lithium-caesium-tantalum (enrichment in the incompatible elements of Li, Cs,Ta, Rb)
- Identification of fertile parental granites is a critical tool in the search for LCT pegmatites ⇒ greatly reduce the search area for Li mineralisation
- As the pegmatites evolve, their chemical composition changes with distance from the parent granitic source as different minerals begin to form ("fractionation")
- A high degree of fractionation is a well-known hallmark of LCT-enriched pegmatites
- LCT pegmatites are generally emplaced ~0-10 km of fertile granites ("goldilocks" zone). At Ti Tree, our current modelling indicates that this could be 0.5 – 5 km





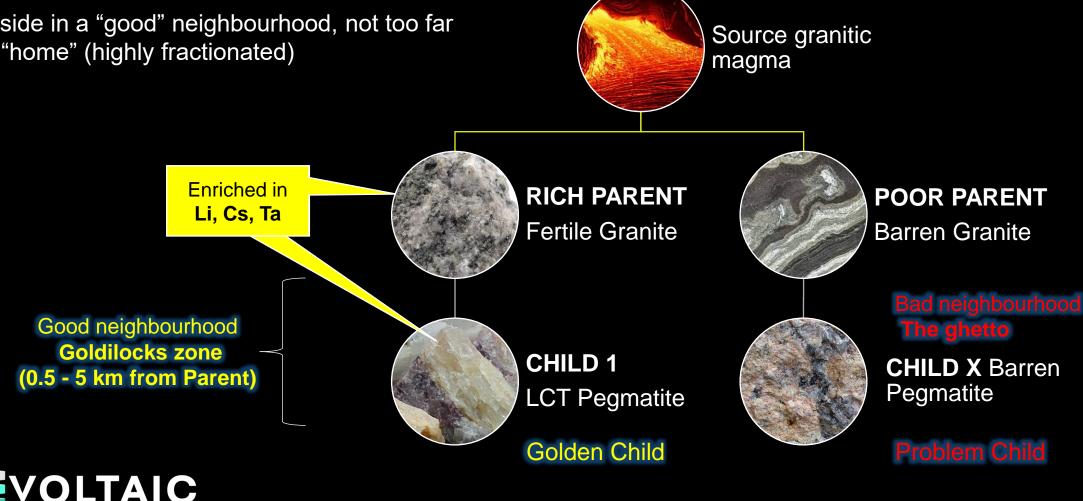
Family tree of an LCT pegmatite

An LCT pegmatite needs:

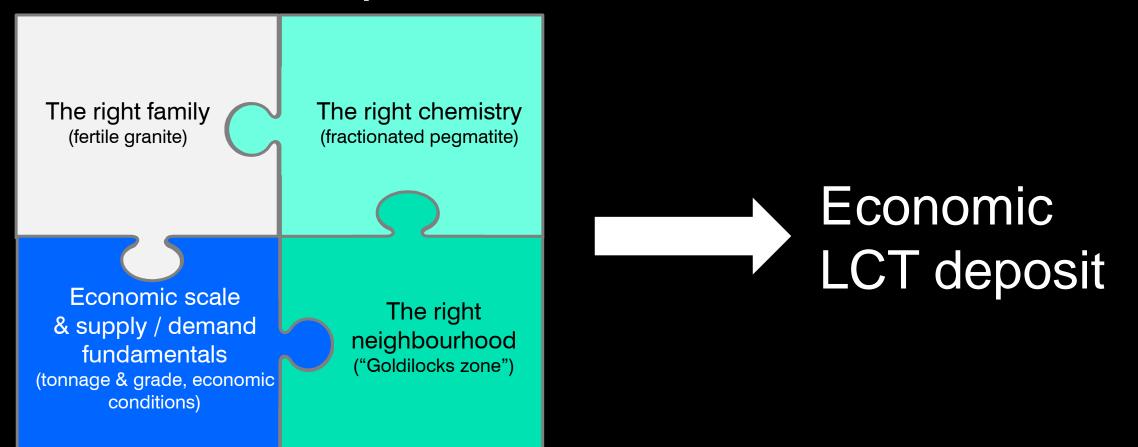
• Good genetics - a "rich" parent (fertile granite)

STRATEGIC RESOURCES

• To reside in a "good" neighbourhood, not too far from "home" (highly fractionated)

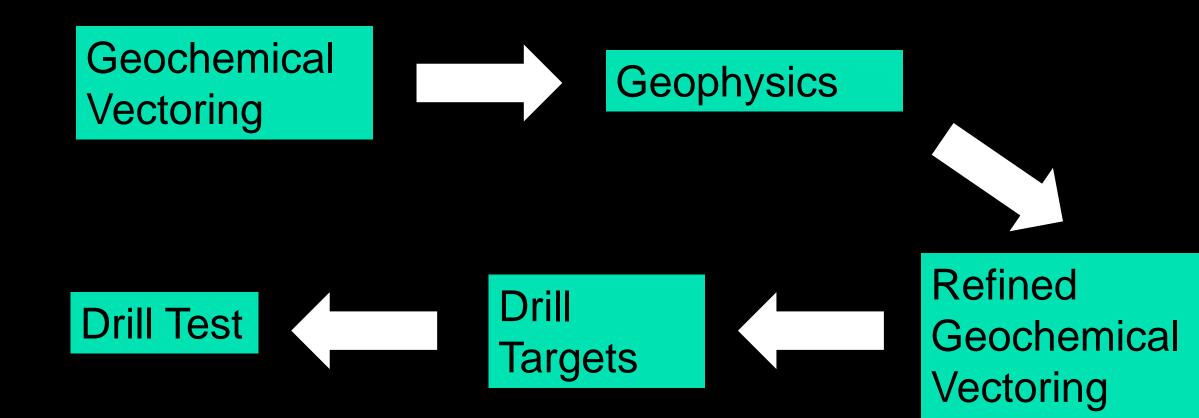


To find an economic LCT deposit, a number of factors must be present





Exploration Model





Do we have a fertile granitic system for hosting LCT pegmatites?

DETERMINE HOW:

Using whole rock geochemistry & ratio analysis

WHAT IS AN ELEMENTAL RATIO?:

Simply dividing one element's concentration by another. i.e. :

$$\frac{Mg}{Li} = \frac{Magnesium \ content \ (ppm)}{Lithium \ content \ (ppm)}$$

WHY USE THEM?:

Highly effective LCT pegmatite exploration tools as they help overcome extreme concentration variations in zoned pegmatites and allow vectoring towards mineralisation

Certain elements have been found to be highly insightful in this regard and include Mg, Nb & Ta



Do we have a fertile granitic system for hosting LCT pegmatites?

CRITERIA 1:	Peraluminosity:	Granite must be sedimentary "S-type" S-type granites have peraluminous (Al-rich) compositions A/CNK > 1.0		
CRITERIA 2:	Fractionation:	is the granite/pegmatite highly fractionated? 5 key elemental indicators & the desired ranges		
		Mg/Li: < 50 (the lower the better)		

- The Mg/Li ratio is one of the best indicators fractionation of granites and pegmatites.
 - Mg/Li < 30 indicates high fractionation. Spodumene pegmatites will typically have very low Mg/Li ratios (e.g., Mg/Li < 10).
- Nb/Ta = LOW for LCT pegmatite
 - <8 for LCT system

REFERENCES: Breaks, Selway & Tindle, 2003; 2005; Cerny 1989



A/CNK: $A = AI_2O_3$, CNK = CaO + Na₂O + K₂O, and NK = Na₂O + K₂O (all in molecular values; Cerny 1989)

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