

# TYRANNA

## RESOURCES LTD

**Exploring for high-grade  
lithium in Angola**

**ASX:TYX**

Indaba Mining Conference 2023



# Disclaimer

## Important information

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## No new information disclaimer

The information in this presentation incorporates technical information reported to the public in announcements submitted to the ASX:

- 6/12/2022 ("Maiden Drilling of Muvero Completed")
- 11/11/2022 ("Amendment to ASX announcement - Lithium mineralisation inter")
- 18/10/2022 ("Drilling Commences at the Muvero Prospect")
- 13/10/2022 ("Exploration update - Namibe Lithium Project")
- 12/09/2022 ("Drilling Plan for Muvero Prospect, Namibe Lithium Project")
- 22/08/2022 ("Further outstanding results from Namibe Lithium Project")
- 18/08/2022 ("Completion of Angolan Lithium acquisition and Board Changes")
- 1/08/2022 ("Amendment to ASX announcement- Namibe Lithium Project explor")

It does not include new or additional technical information which has not been previously publicly reported.

## Competent Person's Statement

The information in this report that relates to exploration results for the Namibe Lithium Project is based on, and fairly represents, information and supporting geological information and documentation that has been compiled by Mr Peter Spitalny who is a Fellow of the AusIMM. Mr Spitalny is a substantial shareholder of Angolan Minerals Pty Ltd. Mr Spitalny is employed of Han-Ree Holdings Pty Ltd through whom he provides his services to Tyranna as an Executive Director (Technical). Mr Spitalny has more than five years relevant experience in the exploration of pegmatites and qualifies as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Mr Spitalny consents to the inclusion of the technical information in this report in the form and context in which it appears.

# CORPORATE SNAPSHOT

## Current Capital Structure

Issued Capital: 2.404B

**580m**  
Options

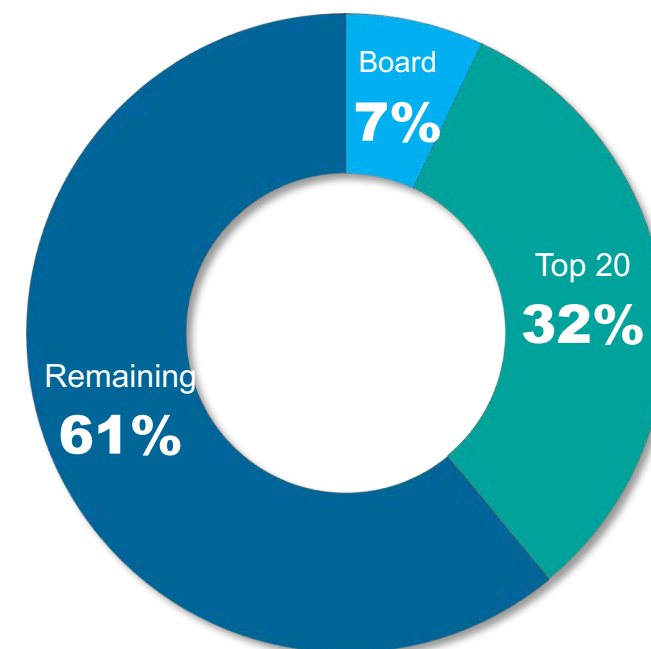
**700m**  
Performance  
shares

**3.684B**  
Fully-diluted  
share capital

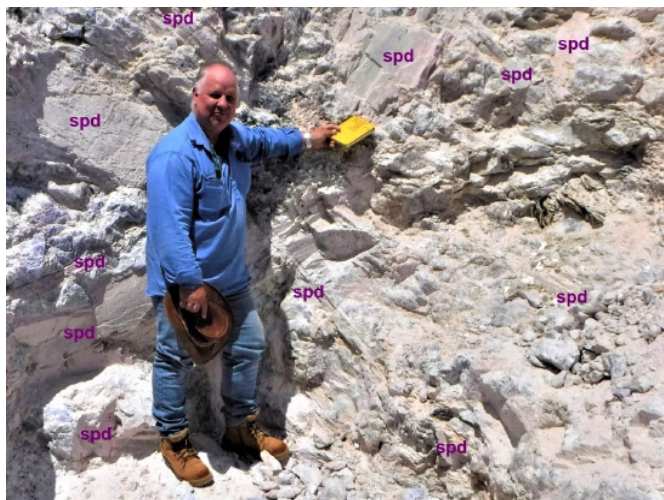
**63M**  
as at 27 January 2023  
Market capitalisation

**\$1.92m**  
as at 31 December 2022  
Cash balance

## Shareholders



# BUILDING AN ANGOLAN LITHIUM COMPANY



Tyranna is building a Lithium exploration company focused on high-grade, hard rock assets in Angola.

## OUR VISION

To discover and develop a lithium source of global significance to create wealth for shareholders and local Angolans and assist the global adoption of clean energy.

Primary focus is exploration for high-grade, hard rock lithium deposits in the Giraul Pegmatite Field located in the Province of Namibe, Angola.

The Company is building an experienced in-country team to enhance the exploration activities for 2023 and onwards.

# DIRECTORS AND MANAGEMENT



**Joe Graziano**  
Chairman

Joe has over 30 years' experience providing financial and strategic advice to small cap unlisted and listed public companies and privately owned businesses in WA's resource-driven industries. Since 2014 he has been focused on corporate advisory, company secretarial, strategic planning and Due Diligence with listed corporations including Mergers & Acquisitions, Capital Raisings, Corporate Governance, ASX compliance and structuring. Joe is currently a director of Pathways Corporate a specialised Corporate Advisory business.



**Paul Williams**  
Executive Director

Paul has been involved in Angola since 2008 and was directly involved with the Longonjo licence currently being developed by Pensana. His initial working years were in accounting, finance and project management and the last twenty years have been in the mining and resources sector with Australian Stock Exchange (ASX) listed companies involved in Australia, Angola, Mauritania and Kenya.



**Peter Spitalny**  
Executive Director (Technical)

Peter is an exploration geologist who has investigated more than 40 lithium pegmatite projects in Australia or globally. He was principal technical advisor to AVZ Minerals Ltd during the early exploration of the Manono Lithium and Tin Project in the DRC, leading to definition within the Roche Dure pegmatite of the largest hard-rock lithium Mineral Resource in the world.



**David Wheeler FAICD**  
Non-Executive Director

David has more than 30 years of Senior Executive Management, Directorships, and Corporate Advisory experience. He is a foundation Director and Partner of Pathways Corporate a boutique Corporate Advisory firm that undertakes assignments on behalf of family offices, private clients, and ASX listed companies. David has engaged in business projects in the USA UK Europe NZ China Malaysia Singapore and the Middle East. David has experience on public and private company boards and currently holds several Directorships and Advisory positions in Australian companies.



**Tim Slate**  
Company Secretary

Tim holds a Bachelor of Commerce from the University of Western Australia. He is a Chartered Accountant, an Associate Member of the Governance Institute of Australia and a Graduate of the Australian Institute of Company Directors. Tim has over 15 years' experience providing accounting, secretarial and corporate advice to private and public companies.

# BUSINESS OVERVIEW



## **Experienced leadership and technical expertise**

Involvement in exploration in Angola since 2008, complemented by services of highly experienced pegmatite expert.



## **First mover advantage**

Highly prospective location with no previous modern exploration.



## **Accelerating significant exploration upside**

Over 800 outcropping LCT Pegmatites with initial sampling delivering 7.49% Li<sub>2</sub>O as confirmation of its potential.



## **Excellent local infrastructure**

20km from provincial capital, deep water ports, grid power and rail infrastructure.



## **Supportive government**

There is a unanimous expression of support and enthusiasm for the project, including a commitment to assist in its development.



## **Strong ESG credentials**

Greater than 90% local employment with a low carbon footprint.



# PROJECT LOCATION

Proximity to infrastructure, 20km from:

- The provincial capital, Namibe, a coastal city in the southwest of Angola, Africa with a population exceeding 300,000
- Deep water Atlantic Ocean ports of Saco and Namibe
- Grid power
- Rail Infrastructure.

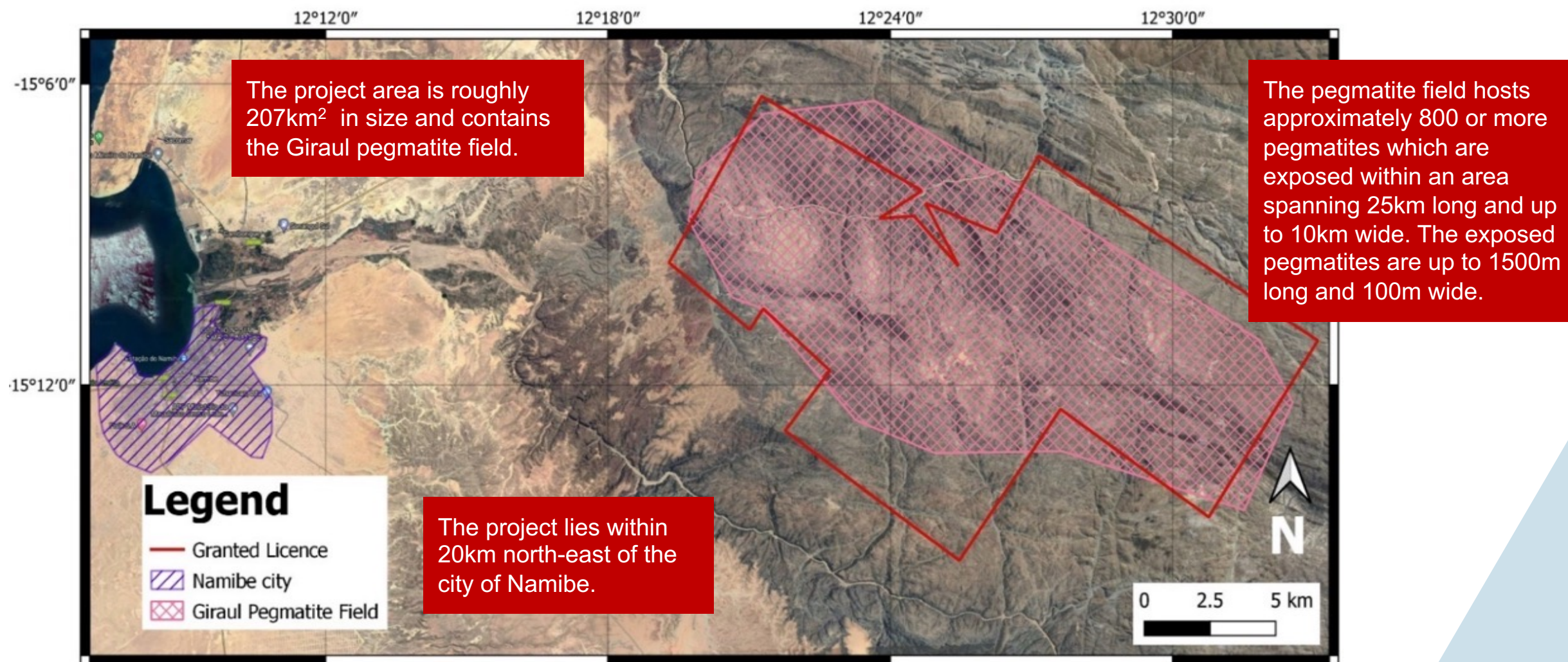
Giraul Pegmatite Field

Namibe



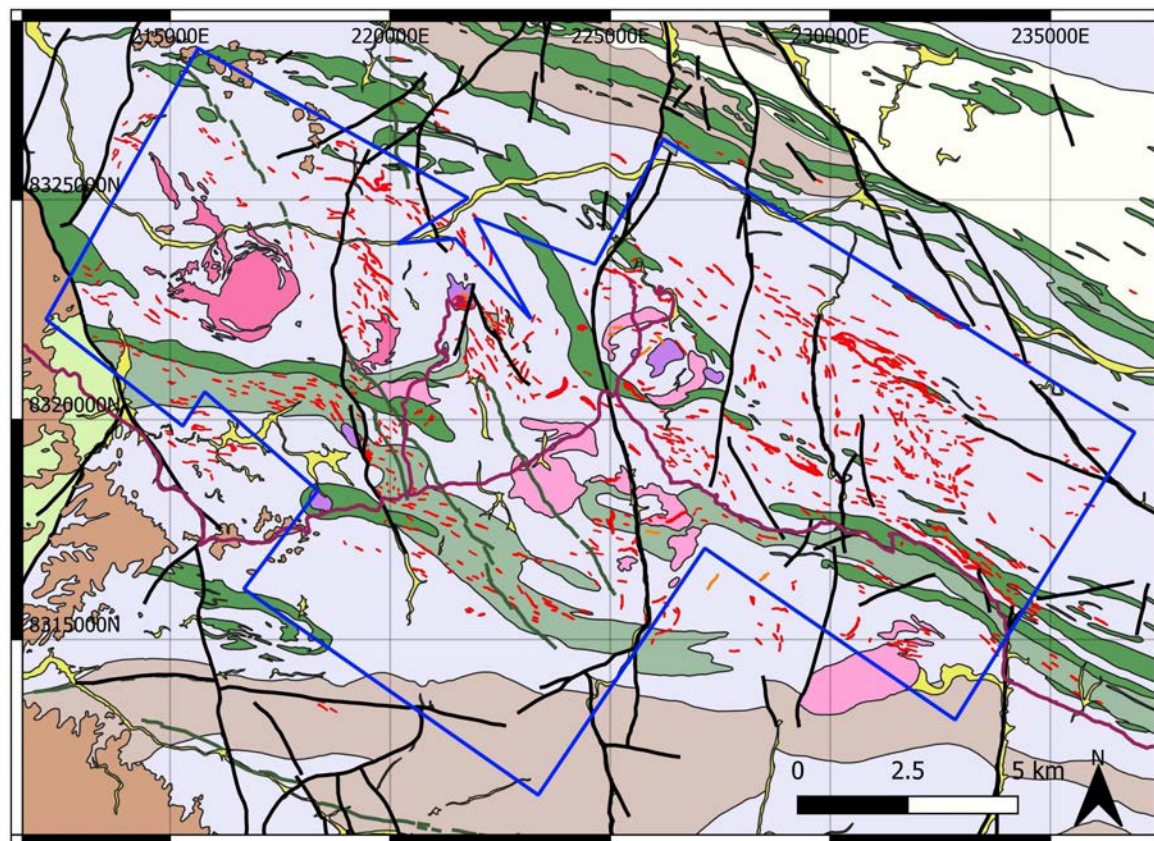


# PROJECT LOCATION





# PROJECT GEOLOGY



**Interpreted geology, Giraul Pegmatite Field**

WGS-84 UTM projection zone 33L  
Grid convergence 1°W  
Magnetic declination 6°W (2022)

## Typical “Pegmatite Field” geology:

Complex, deformed highly metamorphosed terrane, like other pegmatite fields.

Pegmatites of varying size, varying orientation and within a broad range of host-rocks.

### Legend

#### Licence boundaries

— Prospecting Title No. 001/02/01/T.P/ANG-MIREMPET/2022

#### Access

— Tracks

#### Structure

— Fault

#### Veins and Dykes

— Dolerite dykes

— Quartz Vein

■ Pegmatite

#### Rock units

■ Alluvium

■ Namibe Basin: sedimentary rocks

■ Namibe Basin: Volcanic rocks

■ Granite

■ Pyroxenite/gabbro-norite

■ Leucogranite

■ Amphibolite

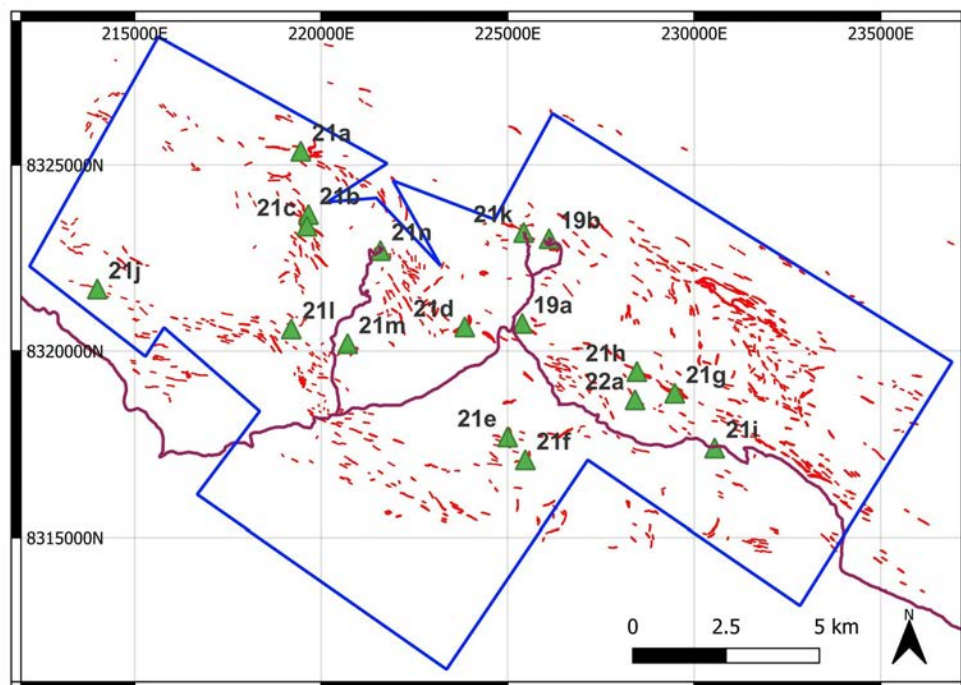
■ Namibe Group Schist unit d

■ Namibe Group Schist unit c

■ Namibe Group Schist unit b

■ Namibe Group Schist unit a

# AN ABUNDANCE OF PEGMATITES



## All sites visited as of September 2022

### **Legend**

▲ All sites as of September 2022

■ Pegmatite

### Licence boundaries

— Prospection Title No. 001/02/01/T.P/ANG-MIREMPET/2022

### Access

— Tracks

WGS-84 UTM projection zone 33L  
Grid convergence 1°W  
Magnetic declination 6°W (2022)

More than 800 known pegmatites in the granted licence boundary

Sampling to date has tested about 2% of the pegmatites, with all belonging to the LCT pegmatite family

Only 17 sites, 19a, 19b, 21a – 21n and 22a sampled to-date

Li minerals confirmed at 6 of the 17 tested sites

Spodumene present at 3 of the 6 sites containing Li minerals

References: "Confirmation of High-Grade Assays from Namibe Lithium Project" 30/05/2022 announcement to the ASX "Namibe Lithium Project Exploration Update" 1/08/2022 announcement to the ASX



# **98% of the pegmatites in the project area have not been sampled!**

Investigations have been restricted to a few pegmatites near the access track



A vast landscape full of untested pegmatites

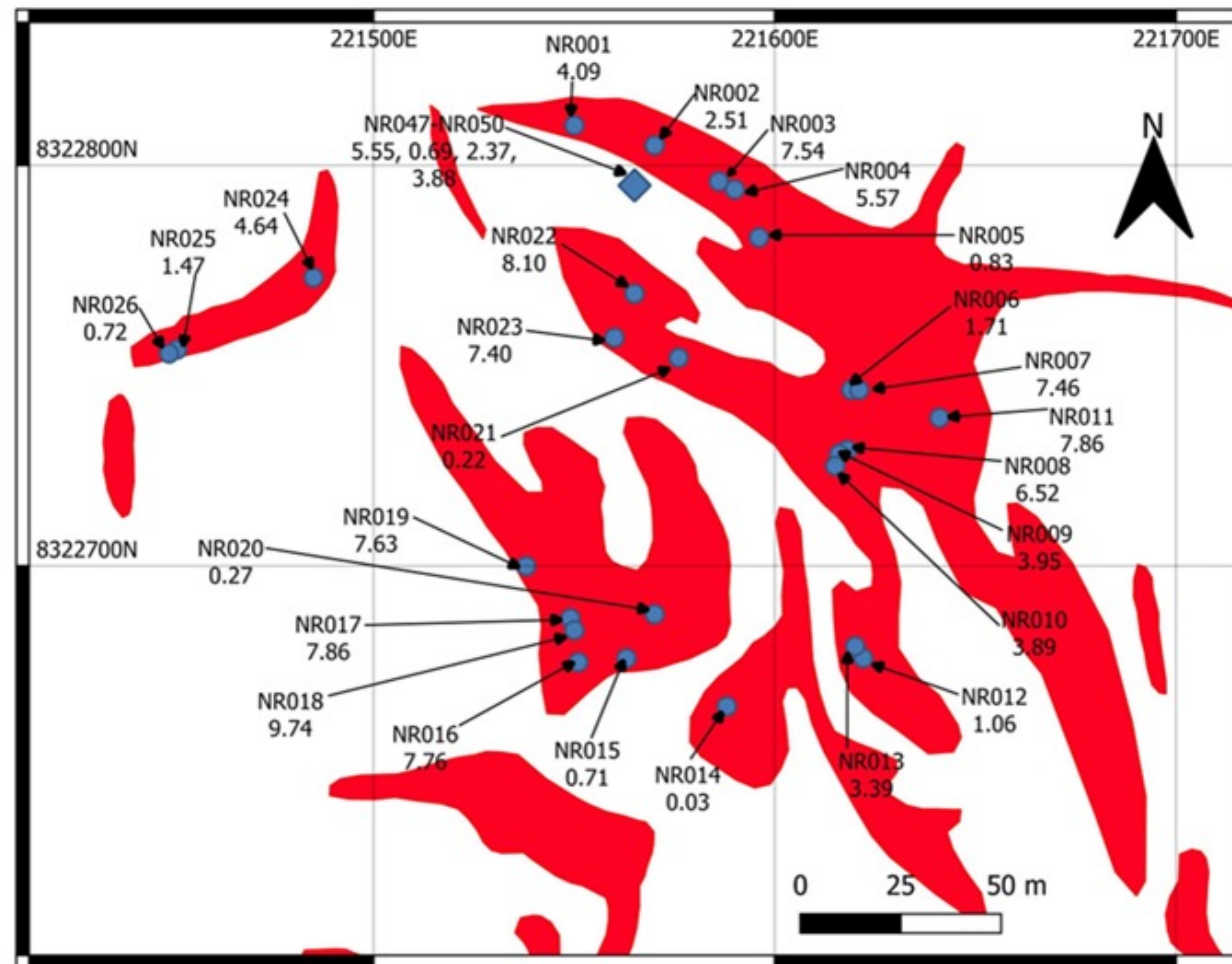
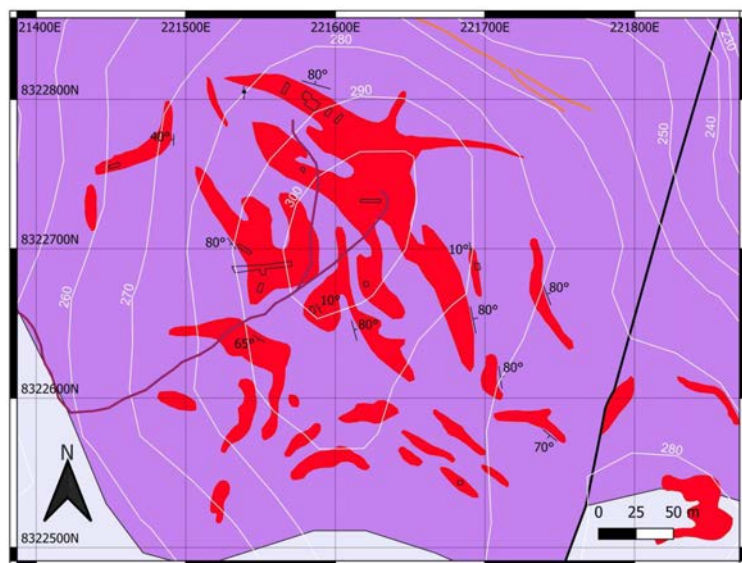


# THE MUVERO PROSPECT (site 21n)





# MUVERO – GEOLOGY AND LITHIUM ANOMALISM





# MUVERO – INITIAL DRILLING CAMPAIGN

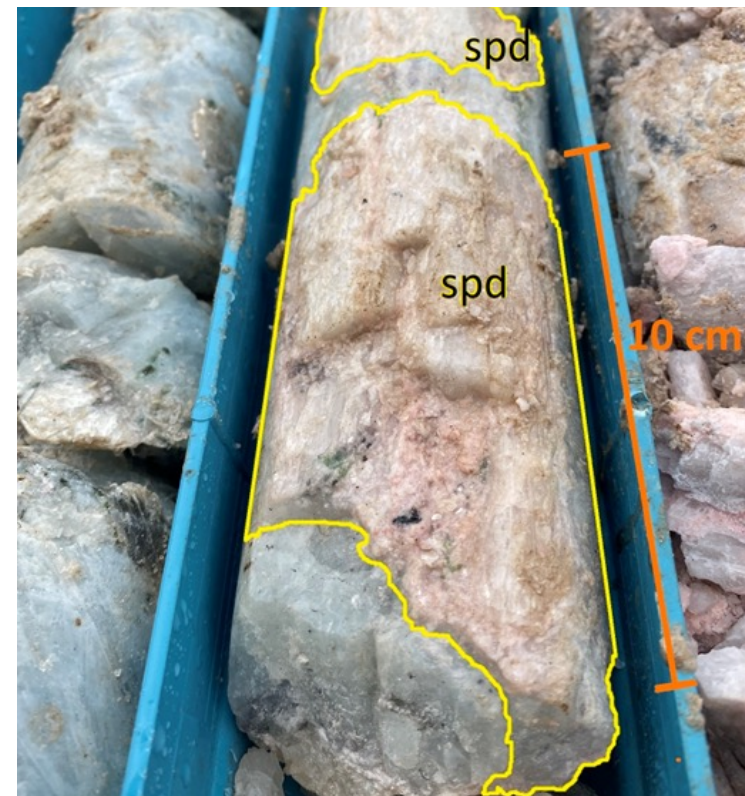




# MUVERO – INITIAL DRILLING CAMPAIGN



First core run from NDDH001 at the Muvero Prospect



Spodumene (spd) crystals\* at approx. 30.45m down-hole, NDDH004.

\*Note: visual indications and estimates of mineral species and abundance should never be considered a proxy or substitute for laboratory analysis and assay results will be announced when they become available

# INFRASTRUCTURE TO SUPPORT DEVELOPMENT



Low-cost electricity due to abundant hydroelectrical capacity; Angola in global top 10 of hydroelectricity producers

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Electrical transmission lines near the project

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Sealed roads near the project

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Namibe provides fuel, machinery, workers and industrial capacity

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Namibe Port meets export standards for large vessels

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# NAMIBE LITHIUM PROJECT DEVELOPMENT STRATEGY

## Phase 1: Proof of concept

Initial rock-chip sampling and  
assess additional prospects

**Completed**

Bulk sampling

**Completed**

Initial drilling campaign  
to test targets

**Completed**

Metallurgical testing

**Commenced  
January 2023**

We have completed Phase 1 and are awaiting assay results of drilling campaign and have commenced metallurgical test work in January 2023.

# ANGOLA – PRO GOVERNMENT

## Mining code

Royalties on concentrates 2–5%

Metallic Minerals 3%

Strategic Minerals and Precious Metals 5%

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Industrial Tax (Income tax on mineral activities) 25%

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Govt right to participate to minimum 10% of concession holder – no free carried interest

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No local partner participation obligation

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Licences granted for two years with allowance to extend for additional five years and right to convert to long-term production licence

## Government Policy

Commitment to encourage and support foreign investment

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Provision of funding support to foreign companies developing important projects, e.g. Pensana, for their Longonjo REE Project

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# SUMMARY

Experienced and highly motivated board

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Current high demand for Lithium expected to increase

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The Namibe Lithium Project encompasses the Giraul Pegmatite Field and contains More than 800 pegmatites but only 17 sites sampled to-date

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Initial drilling, planned to test the Muvero Prospect, has been completed

Spodumene present at 3 sites of 17 investigated, including the Muvero Prospect (site 21n), which has multiple spodumene pegmatites

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Very high exploration up-side for the project, with high potential to discover a large, minable spodumene deposit

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Project location ensures readily available logistical support

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Angolan Government is “pro-mining” and supportive of foreign investment

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Angolan mining regulations progressive, understood and workable

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Strong in-country network of experienced, motivated personnel

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No ESG impediments

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# THANK YOU

“We are very encouraged by the potential of this project. The initial results reinforce our belief that this project warrants further detailed and systematic exploration to uncover its true potential and look forward to the exciting road ahead for the company and its shareholders.”

**Joe Graziano**

**Contact**

Joe Graziano  
Chairman  
Mobile: 0411 649 551

**Company Secretary**

Mr Tim Slate  
Mobile: 08 6558 0886

**Registered office**

Level 3, 101 St Georges Terrace  
Perth WA 6000