

Securing **Future Lithium** Supply in Africa

ASX: TYX



ANGOLA MINING CONFERENCE 23

NOVEMBER 2023

Disclaimer

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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 on 16/05/2022 ("Tyranna Secures Strategic Lithium Exploration Project In Angola"), 30/05/2022 ("Confirmation of High-Grade Assays from Namibe Lithium Project"), 1/08/2022 ("Namibe Lithium Project exploration update"), 22/08/2022 ("Further outstanding results from Namibe Lithium Project"), 12/09/2022 ("Drilling Plan for Muvero Prospect, Namibe Lithium Project"), 13/10/2022 ("Exploration update - Namibe Lithium Project"), 18/10/2022 ("Drilling Commences at the Muvero Prospect"), 07/11/2022 ("Lithium mineralisation intersected at Muvero"), 11/11/2023 ("Amendment to ASX announcement - Lithium mineralisation inter"), 06/12/2022 ("Maiden Drilling of Muvero Completed"), 22/02/2023 ("Maiden drill program intersects 2.02% lithium over 22.75m"), 02/03/2023 ("TYX to examine untested potential of Namibe Lithium Project"), 08/03/2023 ("Outstanding Metallurgy Results from Muvero Prospect"), 04/05/2023 ("TYX Secures Funding and Off Take Partner for over AUD \$31M"), 08/05/2023 ("New Lithium Discoveries at Namibe Lithium Project"), 29/05/2023 ("Assay results demonstrate Lithium mineralisation at Namibe"), 15/06/2023 ("Tyranna executes Offtake Agreement with Sinomine"), 18/07/2023 ("Tyranna ready to complete Sinomine transaction"), 18/07/2023 ("Completion of Sinomine Subscription Agreements"), 15/08/2023 ("Drilling imminent to expand Muvero"), 2/11/2023 ("Drilling at Muvero intersects Lithium Mineralisation"), 7/11/2023 ("ASX Retraction and Clarification"), 16/11/2023 ("Numerous Intersections of Spodumene-Bearing Pegmatites"). 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 has a relevant interest in Tyranna Resources Ltd and Angolan Minerals Pty Ltd. Mr Spitalny is employed by 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.

Investment Summary – All The Boxes Ticked

New frontier high grade lithium exploration in Namibe, Angola



FIRST MOVER ADVANTAGE IN HIGHLY PROSPECTIVE LOCATION

200km² of tenement holdings consisting of pegmatite field hosting over 1000 individual pegmatites which are exposed within an area spanning 25km long and up to 10km wide.



FULLY FUNDED TO EXPLORE

Over \$31 million in funding secured in two stages from Sinomine Resource Group and Sinomine International Exploration (Hong Kong) for exploration and development of the project



OFFTAKE AGREEMENT SECURED

Binding offtake agreement for 50% of the spodumene and 50% of the pollucite with Sinomine including USD\$10,000,000 prepayment.



ACCELERATING SIGNIFICANT EXPLORATION UPSIDE

- Initial sampling of LCT pegmatites delivering 7.49% Li₂O as confirmation of its potential.
- 98%+ of pegmatites not yet sampled



EXCELLENT LOCAL INFRASTRUCTURE

20km from provincial capital (Namibe), 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. Ministerial Approval from the Angolan Government achieved for the transfer of the Namibe Project Licence to Tyranna's 100% owned Angolan subsidiary company, Angolito Exploracao Mineira (SU) Lda.



EXPERIENCED LEADERSHIP, TECHNICAL AND DEVELOPMENT EXPERTISE

The Company's experienced technical expertise is now enhanced by the investment by Sinomine Resources Group to the Development expertise of this \$7Billion Market Cap Company.



STRONG ESG CREDENTIALS

Angolan subsidiary - Angolito Exploracao Mineira (SU) Lda ("Angolito"). Greater than 90% local employment with a low carbon footprint. Majority of Namibe's electricity is generated by hydropower and solar power.

Corporate Snapshot

Fully funded to develop high grade lithium projects in Angola

Current Capital Structure

\$62.4M

Market Capitalisation
at 6 November 2023

3.28B

Issued Capital

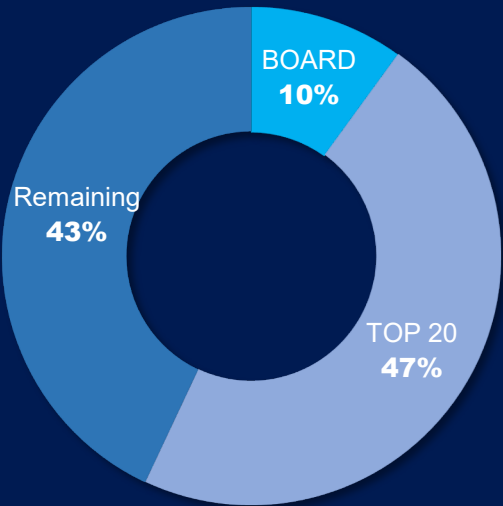
\$12.3M

Cash Balance as
at 30 September
2023 (inclusive of
TYX subsidiaries)

577M

Options

Shareholders



Top 5 Shareholders		% of Units
1	MR JASON PETERSON	8.52
2	FRESHWATER RESOURCES PTY LTD <THE ASHTON SUPERFUND A/C>	7.14
3	AFRICAN LITHIUM (HONG KONG) CO. LIMITED (SINOMINE)	5.48
4	MR SHANE PAUL LEHMANN <LEHMANN A/C>	4.03
5	HAN-REE HOLDINGS PTY LTD	3.71

Directors & 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
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.



EDSON PAULO NUNES
Country Manager

Paulo holds a Bachelor's degree in financial management, a MBA in Project Financing and 17 years' experience in the Angolan mining sector. He has been Country Manager and Managing Director for Ozango Minerais, a subsidiary of Pensana Plc. Over the years Paulo has developed a vast network in the government and commercial industries that are necessary to help carry out mining projects in Angola efficiently.

Sinomine Resource Group – Major Strategic Shareholder

Committed to the exploration and development of the Namibe lithium project



中矿资源集团股份有限公司

SINOMINE RESOURCE GROUP CO., LTD.

Founded in 1999, Sinomine is a global mining group (Revenue ~US\$1 billion in 2022) with a comprehensive resource industrial chain, in particular EV-lithium material development.¹

Sinomine's business covers more than 40 countries including, like Canada, US, UK, Norway, Zambia, Congo (DRC), Zimbabwe, Uganda, Indonesia, Malaysia and other regions in Asia, Africa, Europe, America, and Oceania.

Sinomine is an integrated "mining, dressing, and smelting" enterprise that covers the entire spectrum of hard rock lithium ore development, lithium concentrate processing, and the production and sales of lithium compounds.

Strong foundations in advanced processing technology and industry-leading expertise, Sinomine's lithium fluoride products have a stellar reputation in the market for high quality and consistent performance. As a result, Sinomine maintains a significant market share and have successfully integrated into Tesla's supply chain system.

- **Off Take Agreement with Tyranna for 50%**
- **Sinomine to invest circa AUD \$31,000,000 with half the funds received to date for exploration and development**

¹ <https://www.wsj.com/market-data/quotes/CN/XSHE/002738/financials>

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



Project Geology

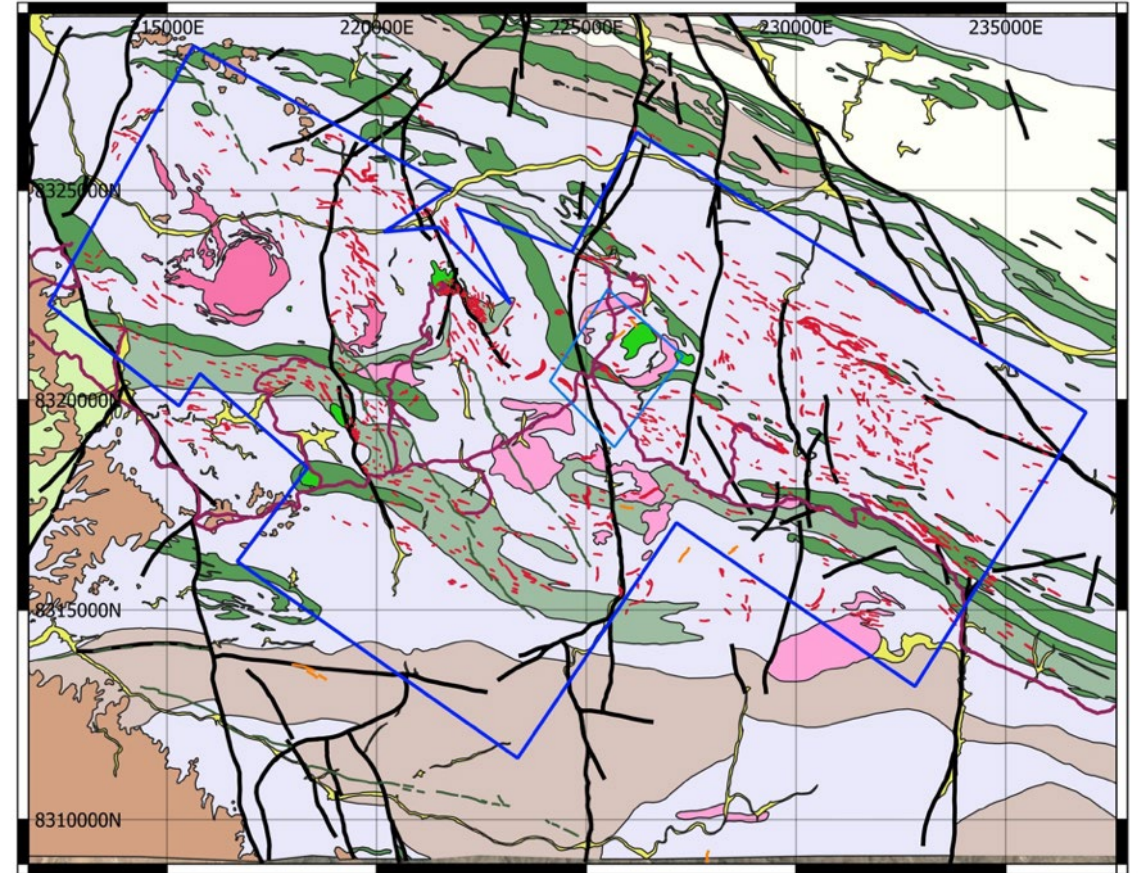
Typical “pegmatite field” geology

- Complex, deformed highly metamorphosed terrane, like other pegmatite fields.
- Pegmatites of varying size, varying orientation and within a broad range of host-rocks.

Legend

	Prospection Title No.023/05/03/T.P/ANG-MIREMPET 2023		Alluvium
	Caniqui Licence Boundary		Namibe Basin: sedimentary rocks
	Tracks		Namibe Basin: Volcanic Rocks
	Fault		Pegmatite
	Quartz Vein		Leucogranite
	Dolerite dykes		Granite
			Pyroxenite/gabbro-norite
			Namibe Group: Amphibolite unit
			Namibe Group: Schist Unit d
			Namibe Group: Schist Unit c
			Namibe Group: Schist Unit b
			Namibe Group: Schist Unit a

Interpreted Geology, Giraul Pegmatite Field



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

An Abundance Of Pegmatites!

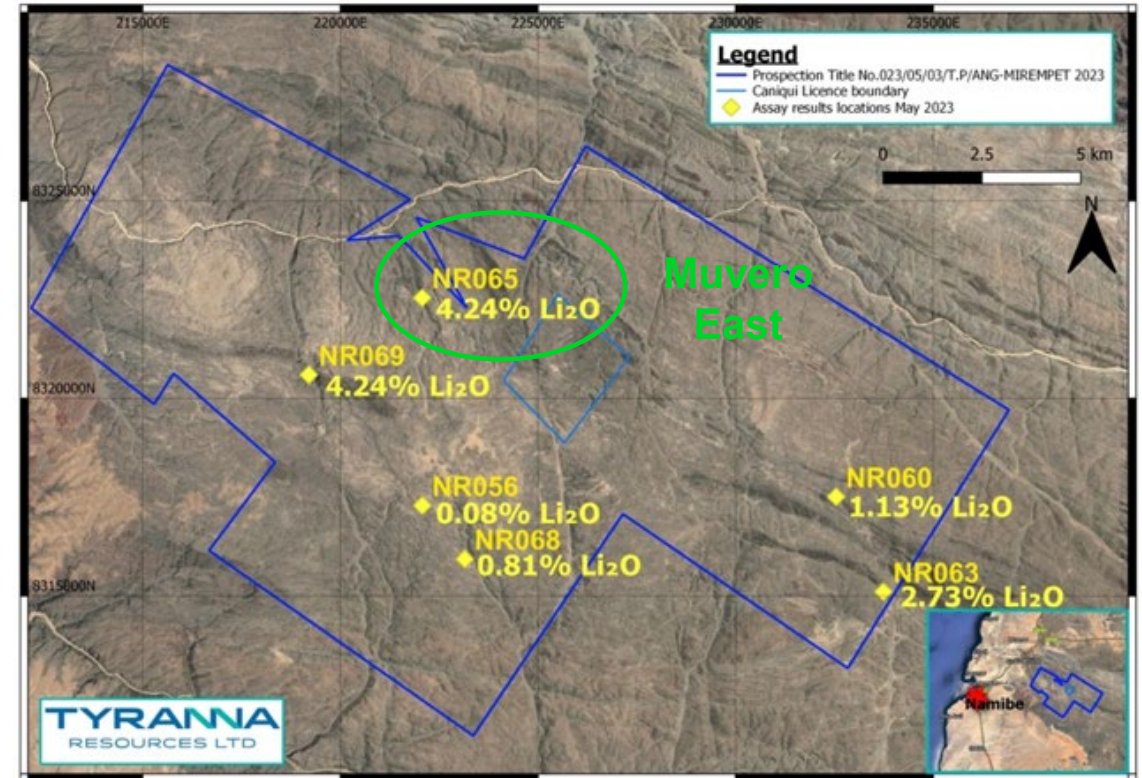
- More than 1,000 known pegmatites in the granted licence boundary
- Sampling to date has tested about 2% of the pegmatites, with all belonging to the LCT pegmatite family
- Only 22 sites sampled to-date

- Li minerals confirmed at 10 of the 22 tested sites
- Spodumene present at 4 of the 10 sites containing Li minerals

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

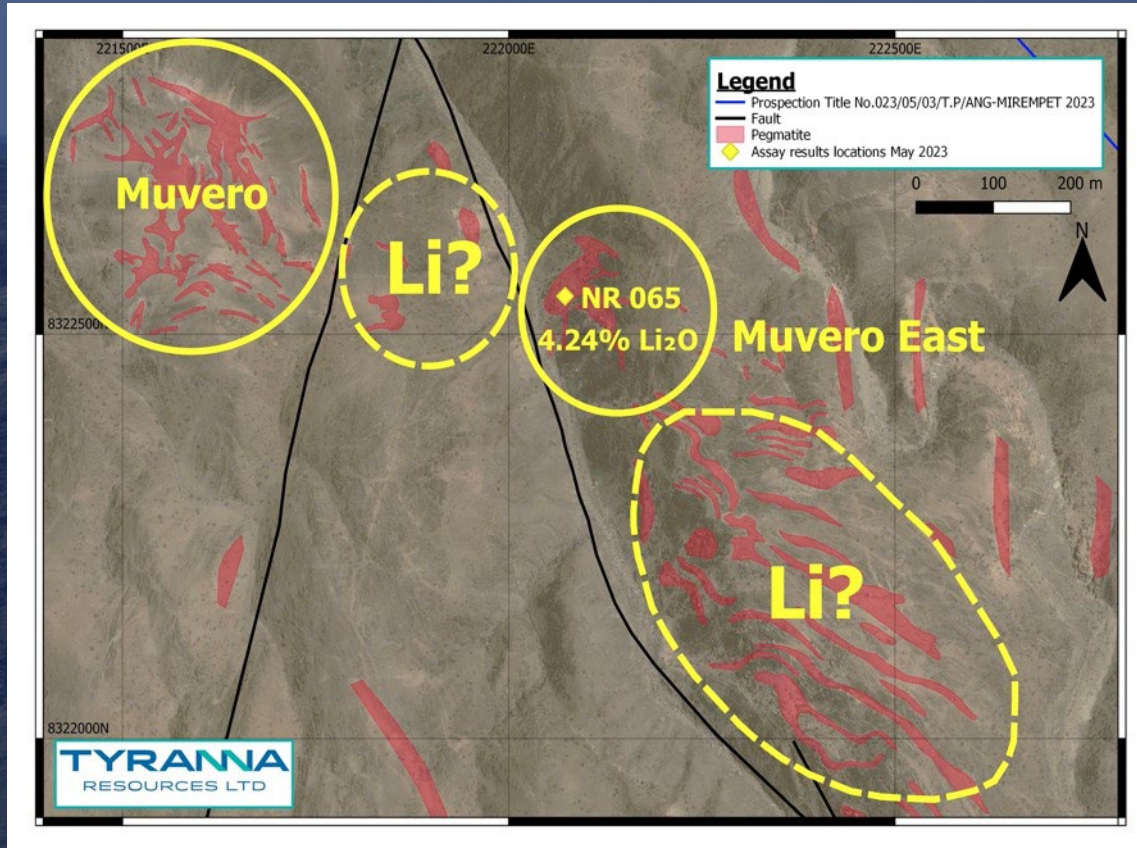


Best results from each location sampled in March 2023

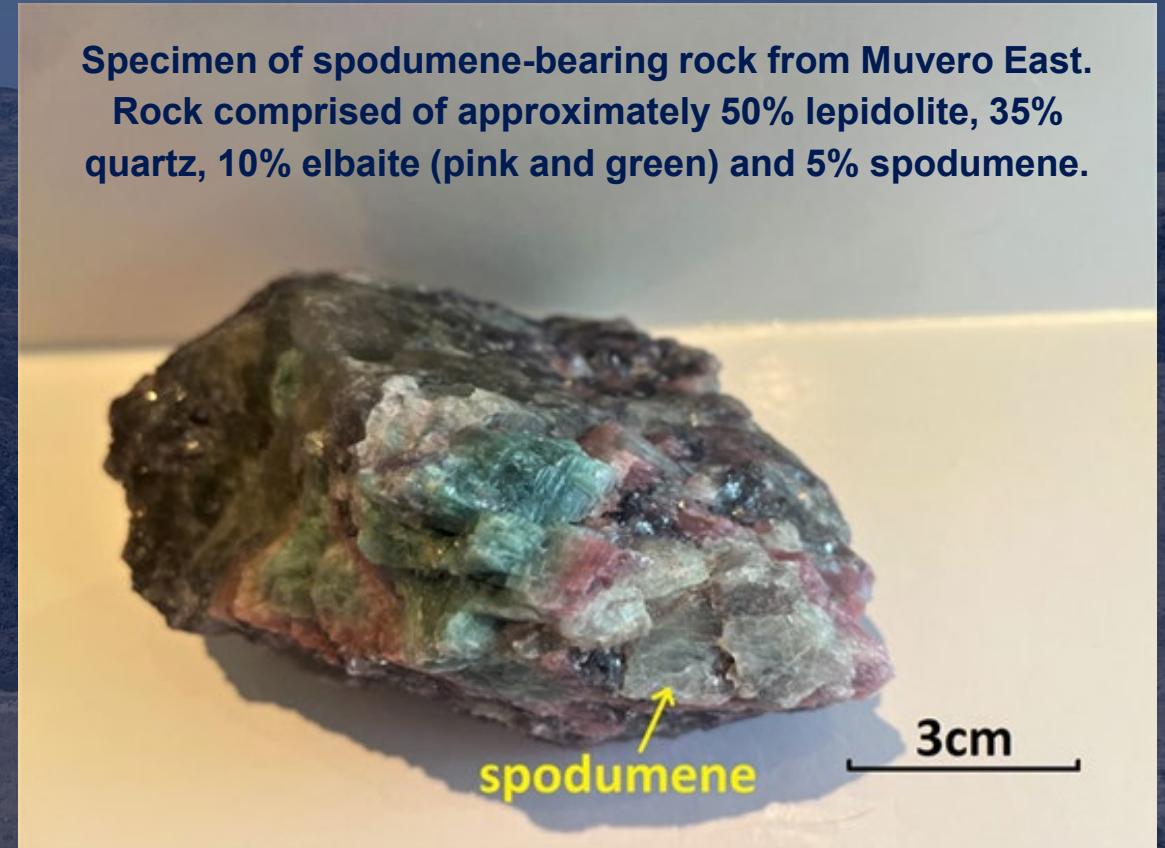


Encouraging Assays Expand The Potential

Lithium mineralisation at Muvero & Muvero East may be part of a large system



Specimen of spodumene-bearing rock from Muvero East.
Rock comprised of approximately 50% lepidolite, 35% quartz, 10% elbaite (pink and green) and 5% spodumene.



The Muvero Prospect

Lithium anomalism

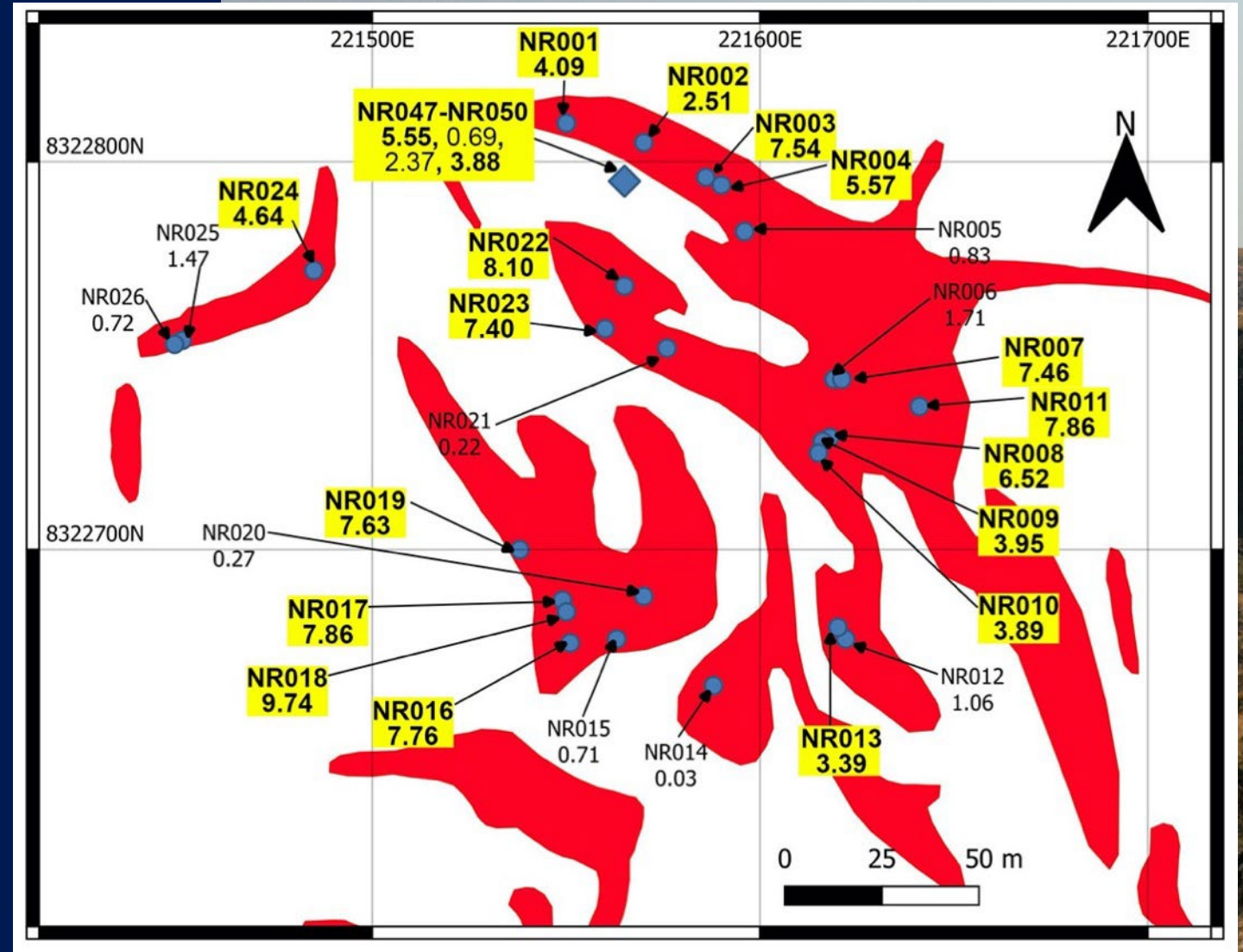
Sample locations (blue spot),
with sample ID (e.g. NR001) &
%Li₂O



Legend

-  Pegmatite
-  Samples from small pit nearby
-  Rock-chip sample points

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



The Muvero Prospect

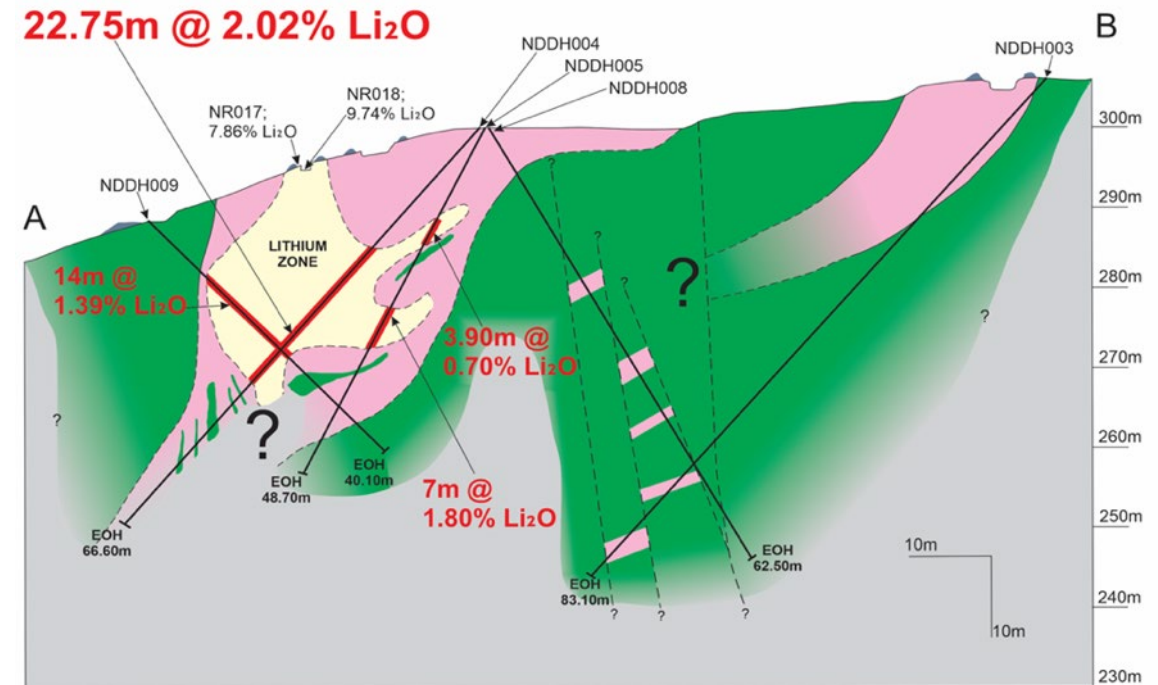
Early-stage exploration success

Drill-holes NDDH004, NDDH005 and NDDH009 intersected different parts of the same zone of lithium mineralisation, with the following results:

- **NDDH004**; from 20.25m to 43m, 22.75m @ 2.02% Li₂O
 - including 24m to 31m, 7m @ 3.06% Li₂O,
 - which contains 1m @ 5.26% Li₂O from 29m
- **NDDH005**; from 13.10m to 17.00m, 3.90m @ 0.70% Li₂O
 - And from 26.00m to 32.00m, 7m @ 1.80% Li₂O
- **NDDH009**; from 10.00m to 24.00m, 14m @ 1.39% Li₂O
 - Including 14.30m to 19.00m, 4.70m @ 1.95% Li₂O

The intersection by NDDH004 of an interval of high grades of Caesium by NDDH004 (40m – 41m, 1m @ 23,884ppm Cs, i.e., **1m @ 2.53% Cs₂O**) suggests that the drill-hole passed through part of a **pollucite** zone. This proves that pollucite is present in at least two parts of the Muvero pegmatite and may prove to be an economically significant component.

Cross-section AB, displaying intersected zone of high-grade lithium mineralisation.



The Muvero Prospect

Outstanding metallurgy results

- **Exceptional concentrate** quality produced at high recovery
- Concentrate Grade of **6% Li₂O** or more
- **Low Impurities**, e.g., < 0.11% Fe₂O₃
- **80%– 82% Recovery**
- Spodumene concentrate can be produced from either 12mm or 8mm crush, **much coarser than most deposits**
- XRD confirms **spodumene dominates the lithium mineralisation**
- Results support potential of Muvero to be a **source of high-grade Direct Shipping Ore (DSO)**

The pit that the rubble collected as the bulk sample originated from.

The Heavy Liquid Separation data confirms high grade concentrates **containing** low iron can be produced at high mass recoveries.

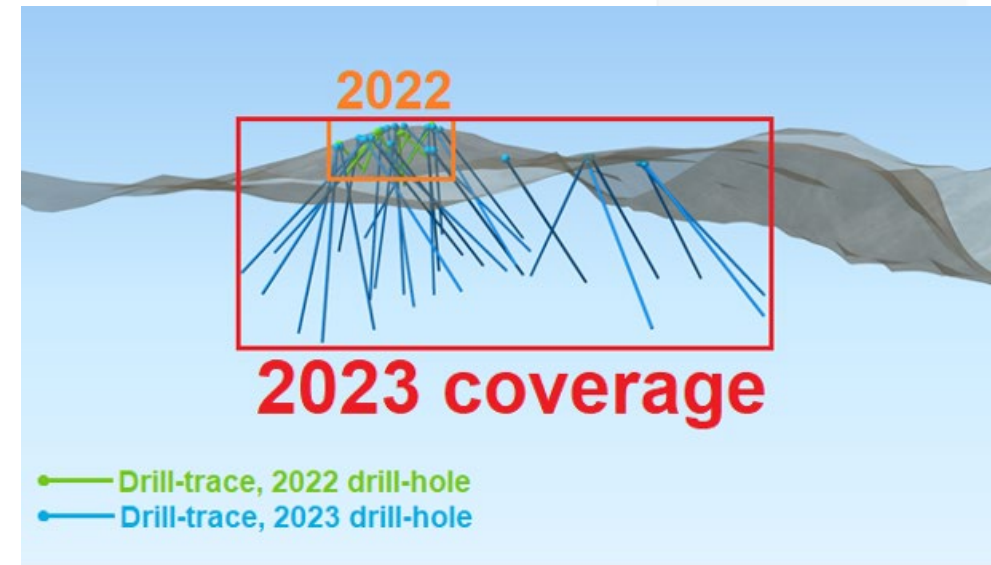
Sample	SG Fraction	Mass	Assay			Deportment		
		%	% Li ₂ O	% Fe ₂ O ₃	% K ₂ O	Li ₂ O	Fe ₂ O ₃	K ₂ O
Head			3.758	0.11	2.09			
-12.5+0.85mm	3.1SX	21.93	7.527	0.24	0.11	42.50%	46.46%	1.13%
	3.1FT	16.52	6.989	0.17	0.43	29.72%	24.78%	3.27%
	2.9FT	15.68	4.246	0.12	7.12	17.14%	16.60%	51.97%
	2.7FT	43.27	0.916	0.03	2.08	10.20%	11.46%	41.87%
	2.5FT	2.60	0.652	0.03	1.44	0.44%	0.69%	1.75%
-8+0.85mm	3.1SX	21.31	7.843	0.16	0.09	44.63%	41.23%	0.91%
	3.1FT	14.38	7.047	0.15	0.35	27.05%	26.08%	2.34%
	2.9FT	17.70	3.975	0.10	7.09	18.79%	21.41%	58.32%
	2.7FT	45.65	0.774	0.02	1.79	9.44%	11.04%	37.88%
	2.5FT	0.96	0.359	0.02	1.23	0.09%	0.23%	0.54%



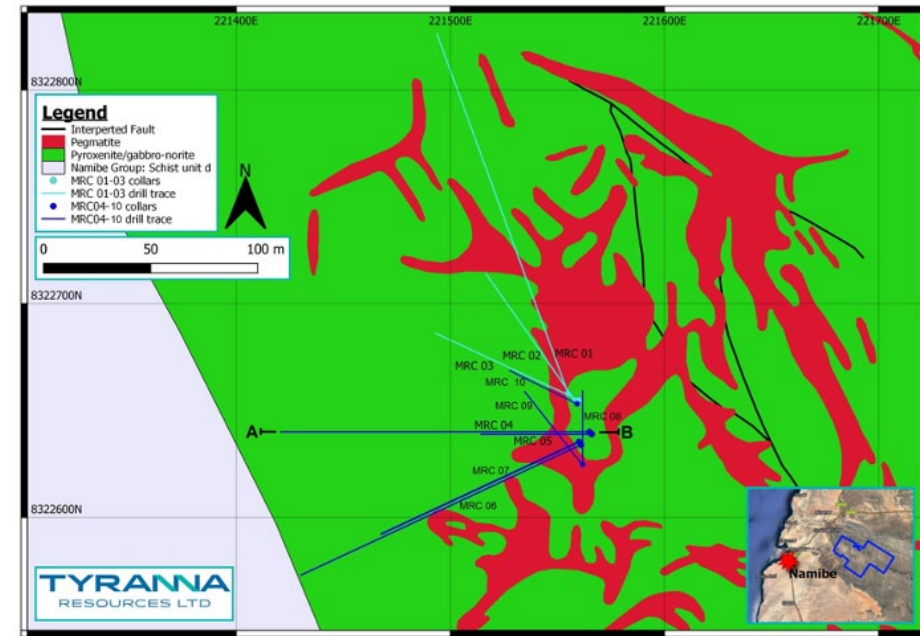
The Muvero Prospect

Next phase of exploration has commenced

- ✓ Drilling at Muvero begun in October 2023.
- ✓ Drill holes MRC01 to MRC10 completed with Spodumene evident in MRC01, MRC02, MRC03, MRC04, MRC05, MRC08 and MRC09.
- ✓ The amount of drilling to be increased from 6,000m to 8,000m.
- ✓ Access to other prospects and site preparation ongoing with drilling to continue through to at least June 2024.



Schematic 3-D view of planned drilling. This view is from the southwest looking towards the northeast.



Location of RC drill-holes MRC01-MRC10. Note location of cross-section A-B

The Muvero Prospect

Mineralised intersections*¹ of MRC01 – MRC10



*¹ A complete description of the composition of mineralised intervals can be found in Appendix 3, ASX Announcement, Numerous Intersections of Spodumene-Bearing Pegmatites, 16 November 2023.

*² All intersected intervals of pegmatite will be assayed, as spodumene can sometimes be difficult to recognise.

Although identification of spodumene fragments in RC drill cuttings is routinely achievable by suitably experienced geologists, visual identification of mineral species and any estimate of abundance should never be considered a proxy or substitute for laboratory analysis where concentrations or grades are the factor of principal economic interest. Visual estimates also provide no information regarding impurities or deleterious physical properties relevant to valuations. Assay results are expected in January 2024 and, after verification, will be announced as soon as possible.

Note: stated lengths are down-hole lengths of intersection, and the true thickness of the intersected pegmatites is not yet known.

Drill-hole I.D.	From (m)	To (m)	interval (m)	Approximate Spodumene content of interval*
MRC01	22	29	7	10%-20% spodumene; unaltered, unweathered
MRC01	31	43	12	5%-15% spodumene; unaltered, unweathered
MRC01	59	61	2	1%-5% spodumene; unaltered, unweathered
MRC02	9	15	7	5%-15% spodumene; unaltered, unweathered
MRC02	27	42	15	5%-10% spodumene; unaltered, unweathered
MRC02	44	47	3	5%-10% spodumene; unaltered, unweathered
MRC03	11	17	6	5%-10% spodumene; unaltered, unweathered
MRC03	39	61	22	5%-10% spodumene; unaltered, unweathered
MRC03	80	82	2	1%-5% spodumene; unaltered, unweathered
MRC04	12	26	14	5%-15% spodumene; unaltered, unweathered
MRC04	39	42	3	5%-15% spodumene; unaltered, unweathered
MRC04	50	52	2	1%-5% spodumene; unaltered, unweathered
MRC04	70	105	35	10%-20% spodumene; unaltered, unweathered
MRC05	20	34	14	5%-10% spodumene; unaltered, unweathered
MRC05	38	40	2	1%-5% spodumene; unaltered, unweathered
MRC05	45	57	12	5%-15% spodumene; unaltered, unweathered
MRC05	58	76	22	10%-20% spodumene; unaltered, unweathered
MRC05	99	103	4	1%-5% spodumene; unaltered, unweathered
MRC05	113	114	1	1%-2% spodumene; unaltered, unweathered
MRC05	119	120	1	1%-2% spodumene; unaltered, unweathered
MRC06	0	204 (EOH)		4 thin pegmatites; No spodumene recognised* ²
MRC07	0	247 (EOH)		10 thin pegmatites; No spodumene recognised* ²
MRC08	0	11	11	1%-5% spodumene; minor weathering
MRC08	22	36	12	10%-20% spodumene; unaltered, unweathered
MRC08	66	79	13	5%-10% spodumene; unaltered, unweathered
MRC09	38	41	4	1%-2% spodumene; unaltered, unweathered
MRC09	47	54	7	10%-20% spodumene; unaltered, unweathered
MRC09	72	79	7	10%-20% spodumene; unaltered, unweathered
MRC09	89	91	2	1%-2% spodumene; unaltered, unweathered
MRC10	0	121	1	1 thick pegmatite; No spodumene recognised* ²

So Why Tyranna?

Tyranna is a 100% dedicated lithium exploration company focused on high-grade, hard rock lithium assets in Angola

✓ Exploration for high-grade, hard rock lithium deposits

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

✓ Key milestones completed

The Company has completed key milestones to-date through sampling and testing a small part of the field to determine the existence of Lithium Mineralisation.

✓ Strategic funding & offtake partnership with Sinomine

The Company now has a strategic partner with a binding Off-take Agreement in Sinomine Resources Group to fast-track exploration and define a lithium resource of significance!

✓ Experienced in-country team

Tyranna through its Angolan subsidiary Angolitio Exploracao Mineira (SU) Lda has built an experienced in-country team to enhance the exploration activities in 2023 and onwards.



TYRANNA

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