



Investor Presentation

# Leading **Africa** in the **Battery** and **Electrification Metals Revolution**



Prospect  
Resources

**20 November 2023**

ASX:PSC | FRA:5E8

# Corporate Overview

- Compelling opportunity to leverage strong fundamentals behind electric vehicle and decarbonisation evolution
- Advancing three major battery mineral exploration and development projects across Zimbabwe, Namibia and Zambia
- Well credentialed Board and Management team
- Proven ability in exploring, advancing, developing and delivering battery metals projects in Africa
- Well funded to act on value accretive opportunities in highly prospective sub-Saharan African region

## Capital structure

Market listings	ASX: PSC   FRA: 5E8
Shares on issue	462.26M
Share price (as at 17/11/23)	A\$0.099
Market capitalisation	A\$45.8M
Cash (30 September 2023)	A\$23.7M

## Top shareholders

	%
Weiss Asset Management LP	16.23
Eagle Eye Asset Holdings Pte Ltd	15.29
Board & Management	7.7

## Share price performance



# Experienced Board and Management

## Board of Directors



**Mark Wheatley**  
Non-Executive Chairman

Mark has over 15 years of director and chairman experience with exposure predominantly across gold, copper and uranium sectors



**Sam Hosack**  
Managing Director & CEO

Sam is a proven senior mining executive with over 20 years' experience within the global resources sector.



**Zed Rusike**  
Non-Executive Director

A qualified accountant and resident of Zimbabwe. Director of Cairns Holdings, TSL Limited, Dulux Paints Limited and Halsted Brothers (Pvt) Limited.



**Gaurav Gupta**  
Non-Executive Director

Gaurav has over 25 years' experience in international trade and is a qualified Chartered Accountant. He manages a Monetary Authority of a Singapore registered family office with high-growth investment holdings.



**Gerry Fahey**  
Non-Executive Director

Gerry has over 40 years' experience and is specialist in both mining geology and mine development. He is currently a Director of Focus Minerals Ltd and formerly a Director of CSA Global Pty Ltd, and member of the Joint Ore Reserve Committee (JORC).



**HeNian Chen**  
Non-Executive Director

HeNian is the Chairman of Changshu Yuhua Property Co. Ltd since 2003 and has served as the Deputy Chairman of Afore New Energy Technology (Shanghai) Co. Ltd since 2007.



**Ian Goldberg** BCom (Bus & Comm Law), CA  
Chief Financial Officer

Ian has more than 20 years of senior finance and commercial experience. This includes having held several Chief Financial Officer (CFO) roles in operating mining businesses across Africa and Australia



**Harry Greaves** Bsc (Agriculture)  
Senior Consultant

Harry is a highly respected and well-known member of the Zimbabwean mining community. As an Executive Director at the time, he was a critical contributor to Prospect's acquisition, exploration, advancement and cash sale of the Arcadia Lithium Project to Huayou Cobalt in 2022.



**James Winch** BSc (Geology), Fellow of GSSA Pr.Sci.Nat (South Africa)  
Sub-Saharan Exploration

James is a Zimbabwean geologist with extensive experience in the planning, budgeting, implementation and field management of large-scale exploration programmes. This includes the spearheading of drilling programmes designed for brownfield exploration and resource definition to facilitate mine expansion works.



**Roger Tyler** MEng (Mineral Resource Evaluation), BSc (Mining Geology), MAusIMM, MSAIMM, ARSM, SACNASP  
Chief Geologist

Roger is a geologist with over 35 years' experience in the Africa minerals industry. He has worked across a wide variety of African countries and exploration and mining businesses. He was a core component of the exploration activities that resulted in Prospect's delineation, advancement and subsequent sale of the Arcadia Lithium Project in Zimbabwe.



**David Broomfield** BSc (Geology), MSc (Mineral Economics), MAusIMM  
Business Development

David is a geologist with over 25 years' experience in the mineral resources and exploration industry. He has broad experience managing and coordinating teams in the development of projects, including feasibility studies, technical and economic modelling, appraisals and conducting due diligence for mergers, joint ventures, acquisitions and development proposals



**John Maketo** BSc Engineering Hons. (Metallurgical), MBA, GAICD, MAusIMM  
Technical Manager

John is a metallurgical engineer with over 25 years' experience in mineral processing. He has held various technical and management positions at leading mining companies in Africa and Australia and encompassing broad experience in the mining and processing of lithium, diamonds, nickel, copper, platinum, zinc, lead and gold.

# Corporate Strategy

## Key management team and growth funding in place

Prospect's Board has a well-established strategy framework, aligned with dynamic commodity market factors

<b>Business</b>	<ul style="list-style-type: none"><li>▪ Battery and electrification metals focused explorer and developer</li></ul>
<b>Existing assets</b>	<ul style="list-style-type: none"><li>▪ Step Aside Lithium Project, Zimbabwe</li><li>▪ Omaruru Lithium Project, Namibia</li><li>▪ Keysa REE Project, Zambia</li></ul>
<b>Activities</b>	<ul style="list-style-type: none"><li>▪ Progression of existing battery metals projects</li><li>▪ Evaluation, acquisition and advancement of new battery and electrification metals projects globally</li></ul>
<b>Cash balance</b>	<ul style="list-style-type: none"><li>▪ A\$23.7 million (30 September 2023)</li></ul>
<b>Management areas of expertise</b>	<ul style="list-style-type: none"><li>▪ Exploration, geology and resource development</li><li>▪ Project planning, development and operations</li><li>▪ Technical and financial analysis</li><li>▪ Customer marketing and offtake</li></ul>
<b>Key commodity focus areas</b>	<ul style="list-style-type: none"><li>▪ Lithium</li><li>▪ REEs</li><li>▪ Copper</li><li>▪ Other battery and electrification metals</li></ul>

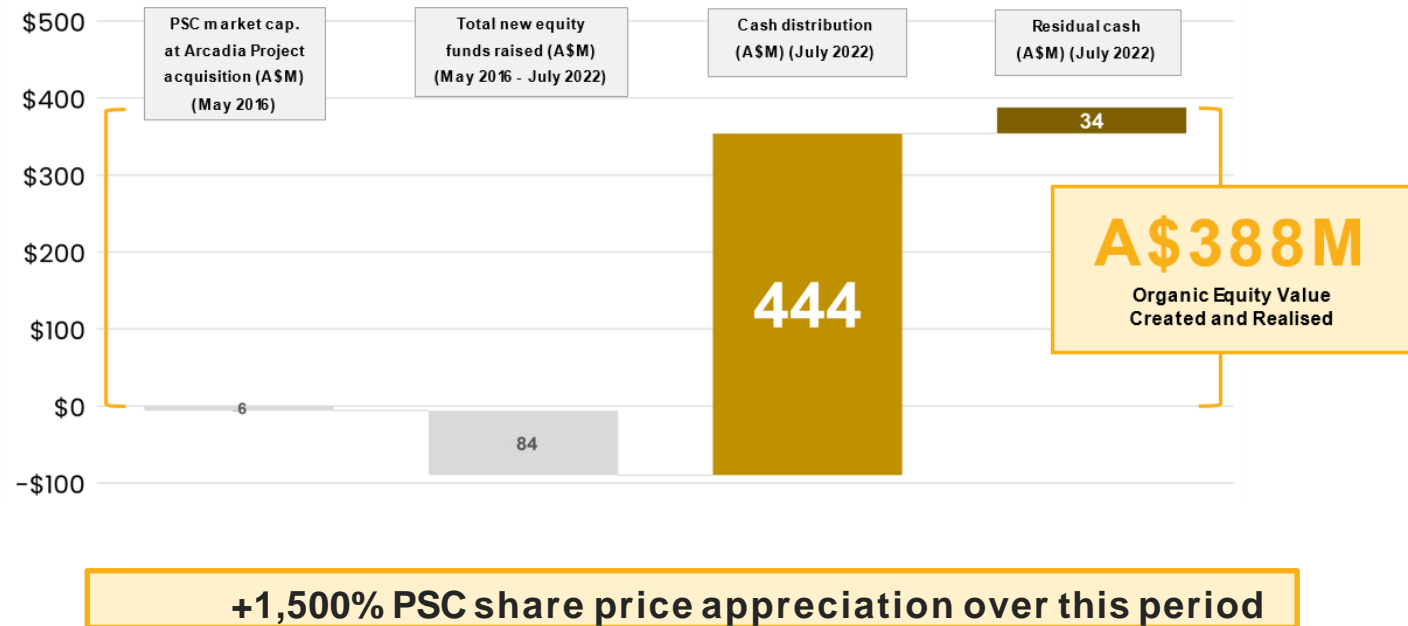


# Arcadia Lithium Project - Reputation Established

## Prospect has a proven track record of substantial shareholder value generation through the systematic de-risking and advancement of the world-class Arcadia Lithium Mine Project

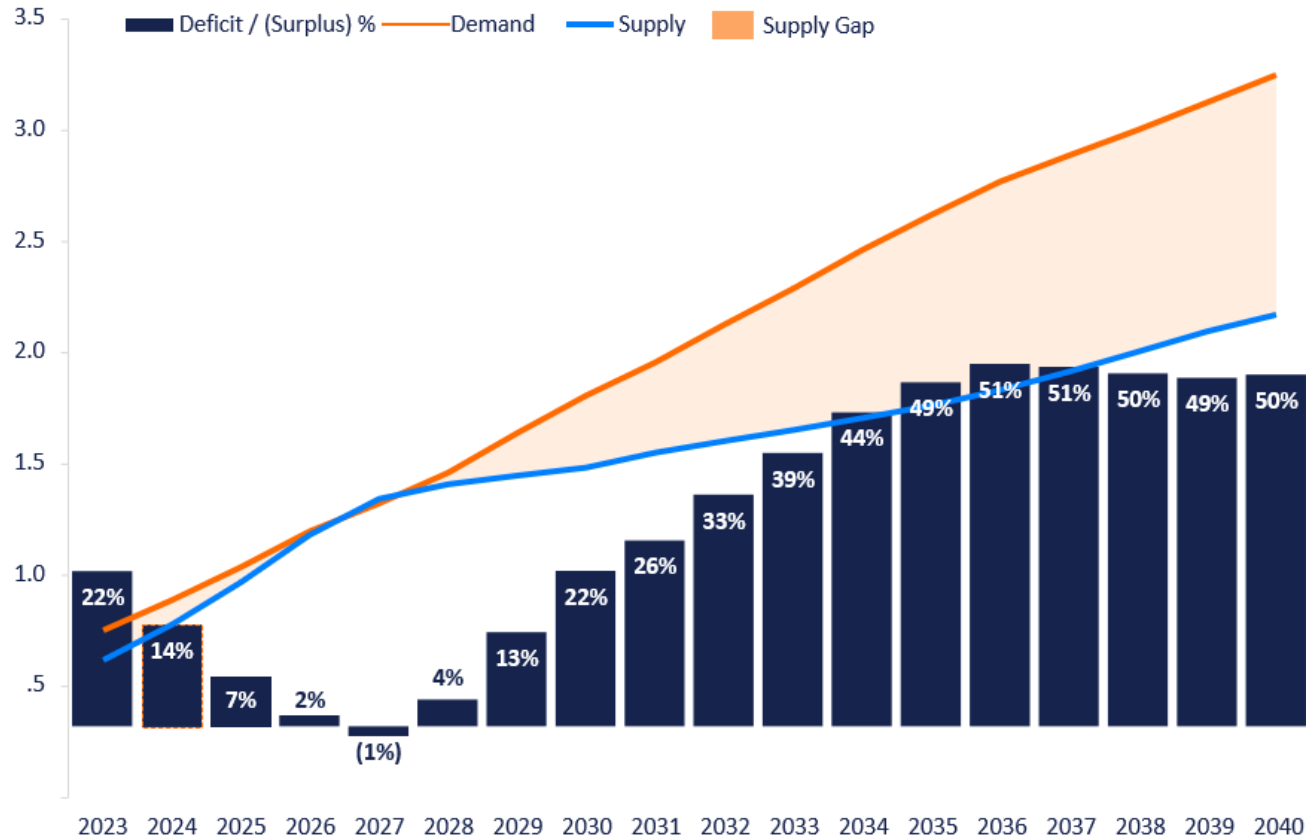
From 2016 through to early 2022, Prospect was focussed on the exploration and development of its flagship Arcadia Lithium Mine Project in Zimbabwe. Our team progressed Arcadia from initial discovery through resource definition, early-stage technical and economic evaluation, definitive feasibility study, offtake agreements, pilot plant operation and a strategic project financing process.

As part of the strategic financing process, we received a highly attractive offer from Zhejiang Huayou Cobalt to sell Arcadia, which was ultimately accepted. Completion of this transaction took place in April 2022 and saw the sale of our 87% interest in Arcadia for approximately US\$378 million cash.



# LCE Market Demand

Demand / Supply Forecast, 2023-40, kt LCE (Battery Grade)



Source: Wood Mackenzie – Global Lithium Investment Horizon Outlook (Q4 2022)

## Demand

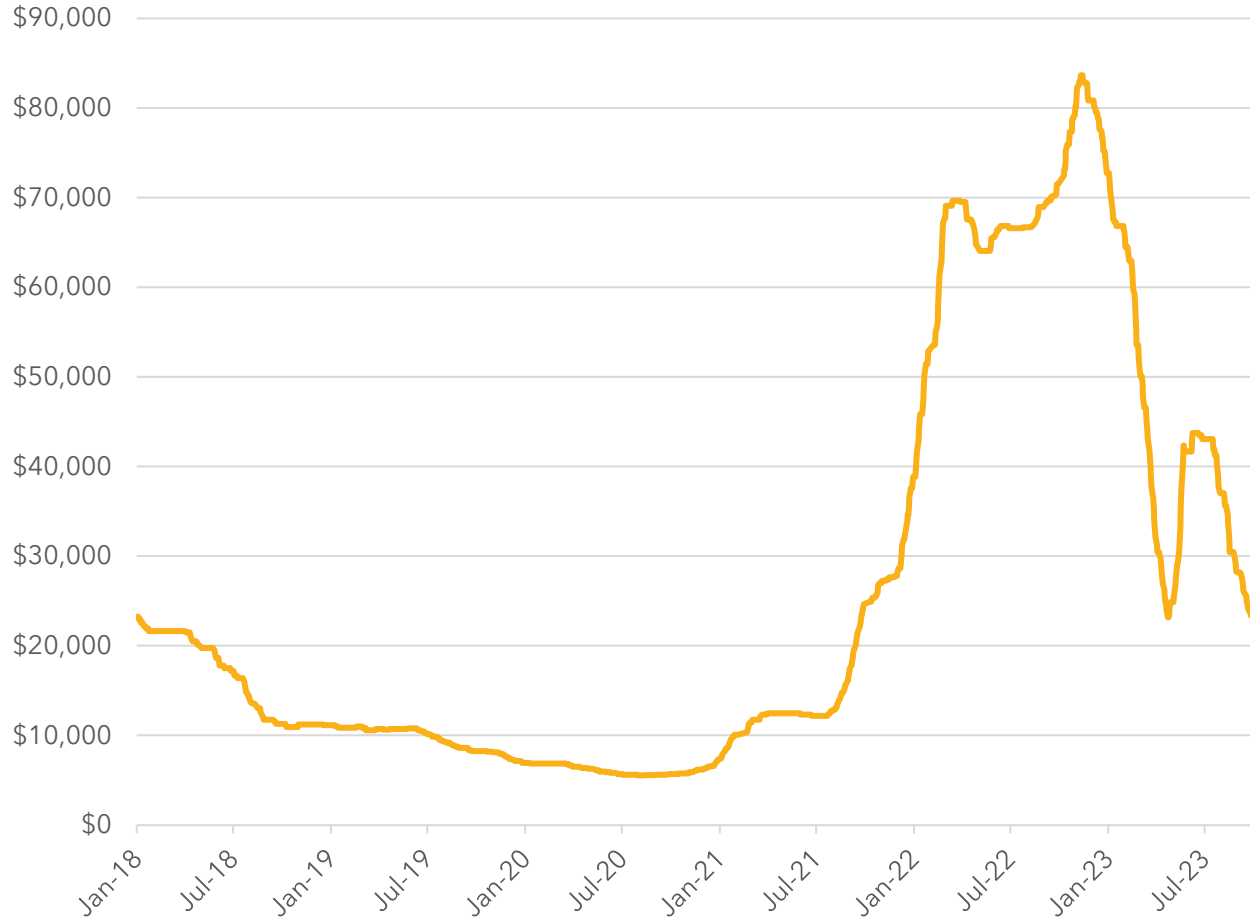
- Consensus is shifting towards a significant demand gap emerging ~2030
- EV penetration expected to reach ~50% by 2030, equating to 5.5x growth

## Supply

- Over ~100 new projects will be needed by 2030 to support demand
- Near-term supply-side risk as many development peers extend project timelines
- Market-wide cost escalation is impacting developers and operators
- Government policy influence - US and EU Policy, Chile Nationalisation, Canada ownership laws

# LCE Pricing

Lithium Carbonate 99.5% Min Price (US\$/t)



Source: Investing.com

## Macro and Equity market pullback in lithium and battery minerals may be short-lived given:

- Huge forecast long-term LCE deficits
- Current levels approaching incentive price floors
- Substantial recent strategic and corporate activity in the lithium sector (particularly in Australia)
- Growing recognition by energy majors of criticality of lithium to global decarbonisation
- Equities have followed price reductions and now represent good buying opportunities, with Prospect well-positioned to benefit.

# 1 Step Aside Lithium Project, Zimbabwe

- 90% ownership; located within the Archaean Harare Greenstone Belt, approximately 35km east Zimbabwe's capital city Harare
- Claim comprises 100 hectares of prospective land west of the Mashonganyika Fault
- Prospectivity of the area originally confirmed by positive regional soil sample geochemistry assays and rock chips of surface pegmatites
- Targeted with three phases of drilling during 2022-23, with recent work discovering the high-grade, coarse spodumene dominant and thick **WinBin** deposit
- WinBin is interpreted to be the parent or feeder system to the Colga pegmatite swarm, that was delineated during earlier phases of work

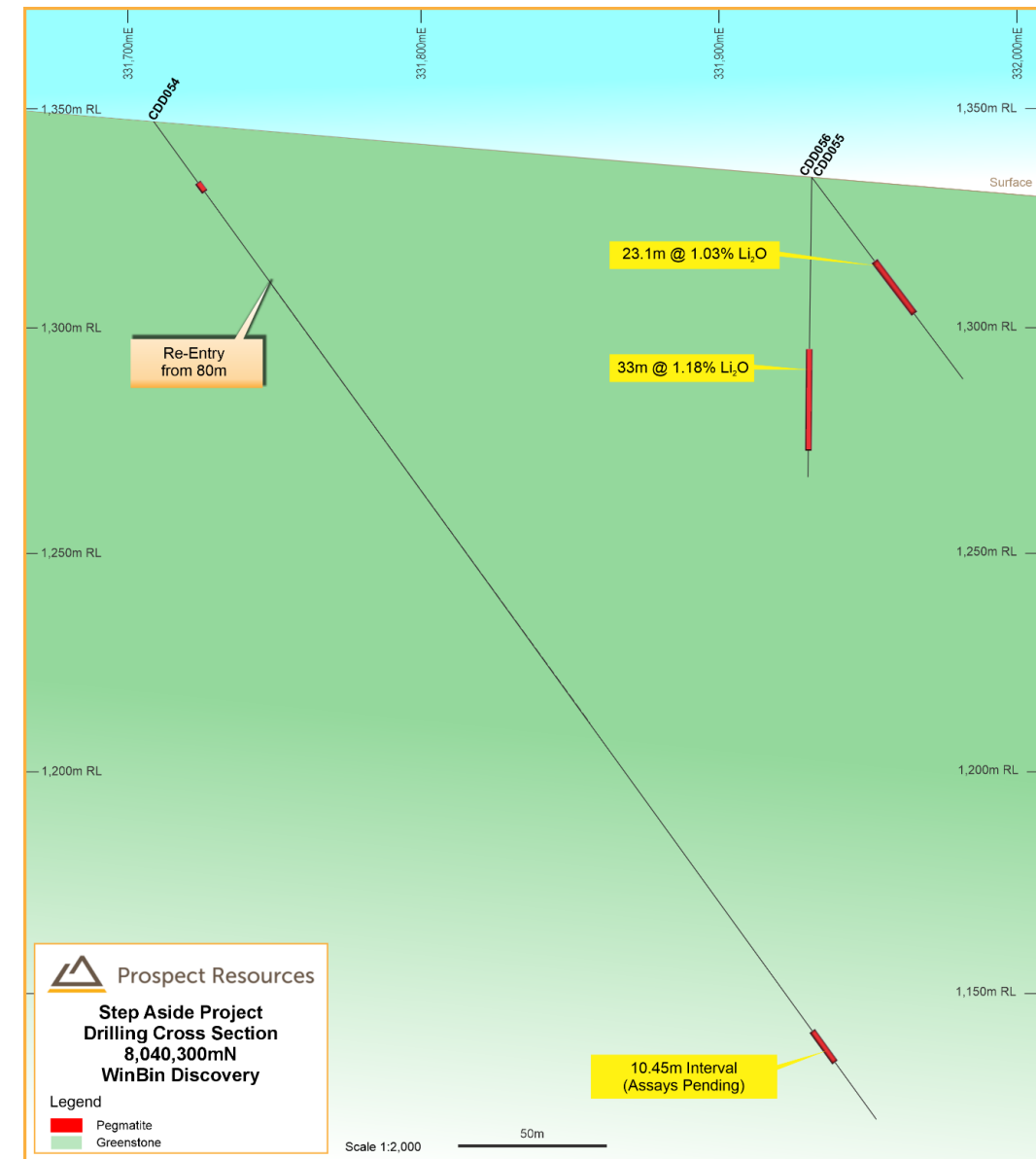




# New "WinBin" Discovery

- Two scout holes, CDD055-CDD056, and five further drill holes returned wide intercepts of strongly mineralised pegmatite from shallow depths
- Exciting new discovery with promising assay results:
  - **33m @ 1.18% Li<sub>2</sub>O from 81m**, including;
    - 24m @ 1.41% Li<sub>2</sub>O from 88m
  - **23.1m @ 1.03% Li<sub>2</sub>O from 45m**, including;
    - 11m @ 1.51% Li<sub>2</sub>O from 54m
- 10.45m-wide zone** of the WinBin pegmatite was intersected 220m beneath discovery holes (from 388.2m) in re-entry of hole CDD054; assays pending
- XRD analysis from pulp samples of the discovery hole CDD055 show WinBin lithium mineralisation is predominantly spodumene (+95%)

Refer to ASX Announcements "Significant Lithium Discovery at Step Aside" dated 18 October 2023 and "WinBin Discovery Rapidly Growing at Step Aside" dated 13 November 2023



Drilling Cross Section through the WinBin deposit at Step Aside

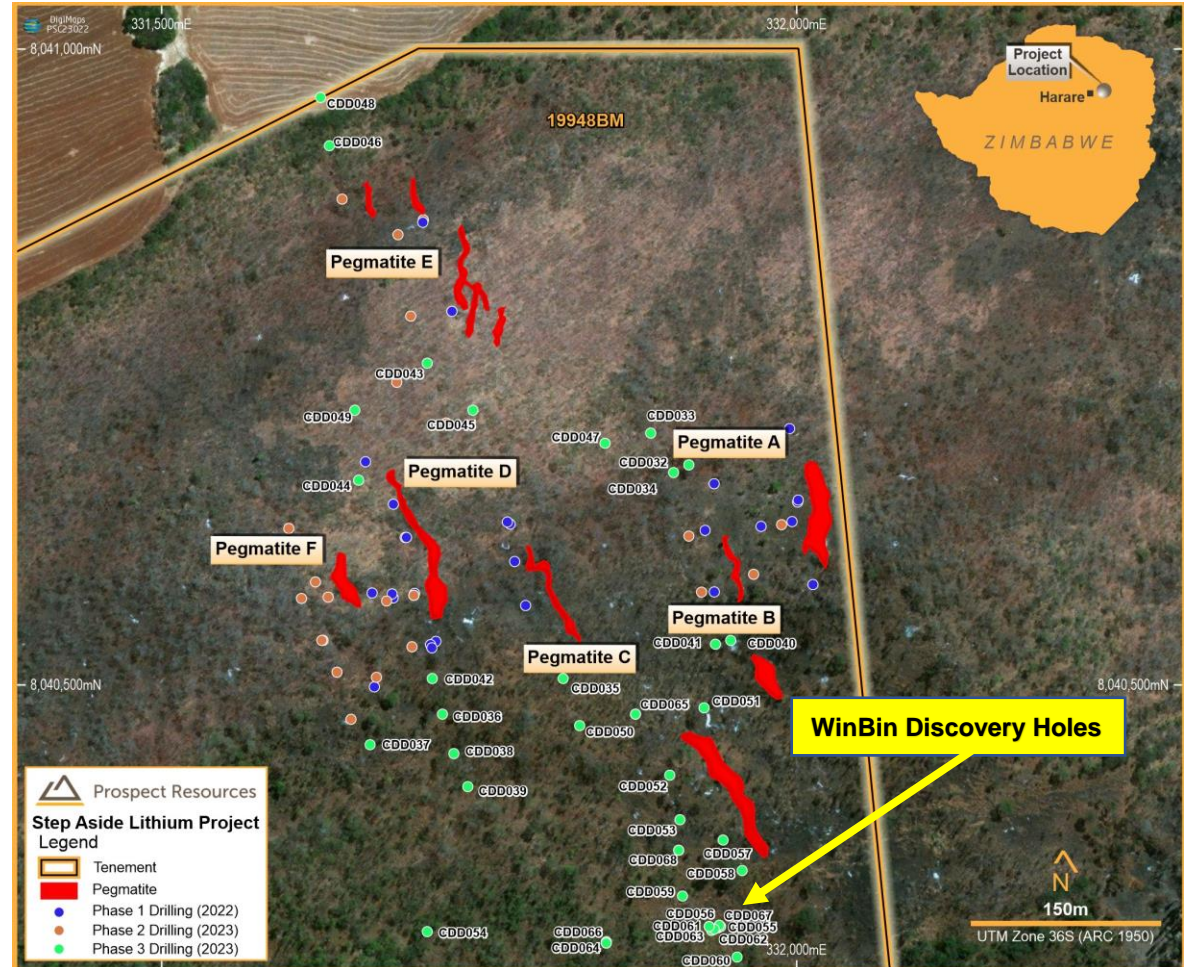
# WinBin Lithium Footprint is Growing

- Further drill holes returned wide intercepts of strongly mineralised pegmatite from shallow depths
- Visual spodumene visible in all drill holes to date

Summary of Visual Estimates for drill holes with outstanding assays

Hole ID	Collar Co-ordinates UTM Zone 35 South (ARC 1950)			Survey Data		Hole Depth (m)	Pegmatite Intercepts			
	Easting	Northing	Elevation	Azi (°)	Dip (°)		From	To	Interval (m)	Spodumene modal abundance (%)
CDD054	331709	8040306	1344	80	60	419.73	388.21	398.64	10.43	2-5%
CDD059	331910	8040334	1333	70	60	134.84	120	120.5	0.5	10%
							120.5	123.5	3	10-20%
							123.5	129.75	6.25	20-30%
CDD061	331931	8040310	1319	50	60	115.08	90	93	3	2-5%
							93	96	3	5-10%
							96	101.5	5.5	10-20%
CDD062	331935	8040308	1319	100	70	50.78	30	33	3	20-30%
							33	37	4	5-10%
							37	38.8	1.8	10-20%
							39	46	7	5-10%
CDD063	331933	8040307	1319	100	75	80.84	46	56	10	20-40%
							56	64	8	20-40%
							64	71.5	7.5	10-20%
							129	134	5	2-5%
CDD064	331850	8040297	1329	145	70	230.84	134	138	4	5-10%
							138	142	4	10-20%
							142	144	2	5-10%
							49.95	53	3.05	2-5%
CDD066	331850	8040298	1330	110	60	152.78	53	58	5	10-20%
							58	68	10	20-30%
							68	69.88	1.88	5-10%
							68	69.88	1.88	5-10%
CDD067	331939	8040311	1319	70	60	75	53	58	5	10-20%
							58	68	10	20-30%
							68	69.88	1.88	5-10%
							68	69.88	1.88	5-10%

Refer to ASX Announcements "Significant Lithium Discovery at Step Aside" dated 18 October 2023 and "WinBin Discovery Rapidly Growing at Step Aside" dated 14 November 2023



Plan view showing Phase 3 diamond drilling at Step Aside and WinBin discovery

# Phase 3 Expanded Programme

- Ongoing Phase 3 diamond drilling programme expanded to **~5,000m** (3,750m now complete) following WinBin discovery with two rigs currently on site to accelerate exploration works into December
- Phase 3 key objectives include:
  - Rapid delineation of the new “WinBin” target zone
  - Further targeting of strike and depth extensions testing Pegmatites B and C
- WinBin discovery potentially represents a feeder zone for defined spodumene mineralisation to the north
- Regional testing of Pegmatite C northwards from positions where it appears to co-join WinBin
- Phase 3 should complete in Q4 2023, with most assays being available by mid-January 2024
- Follow up drilling programme being generated

Refer to ASX Announcements “Significant Lithium Discovery at Step Aside” dated 18 October 2023 and “WinBin Discovery Rapidly Growing at Step Aside” dated 13 November 2023

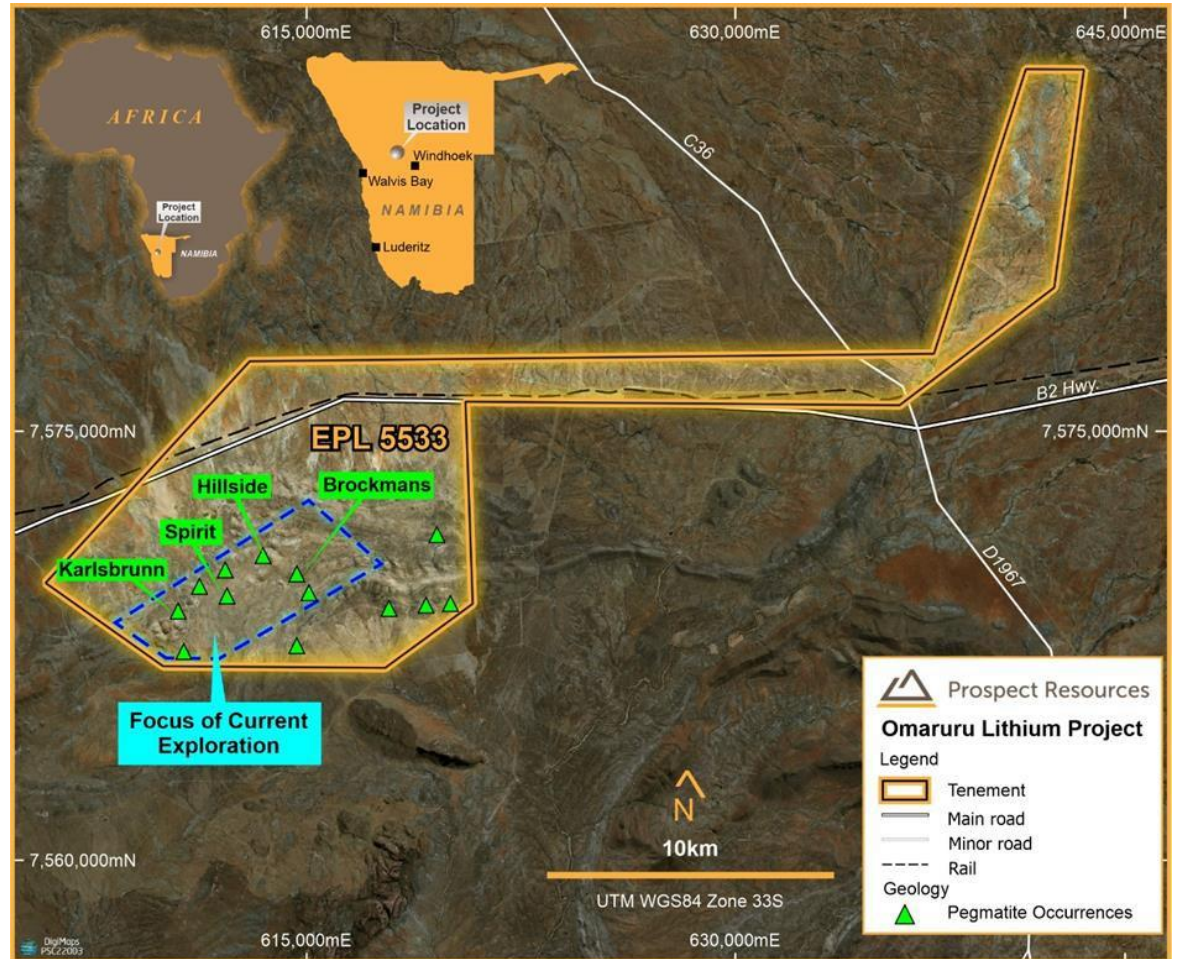


## 2 Omaruru Lithium Project, Namibia

- EPL 5533 tenement covers 175 km<sup>2</sup> and is located 50 km east of Karibib in Namibia
- Contains 60 visible outcropping LCT pegmatites, with considerable prospectivity for further lithium-enriched deposits below cover

### High level achievements

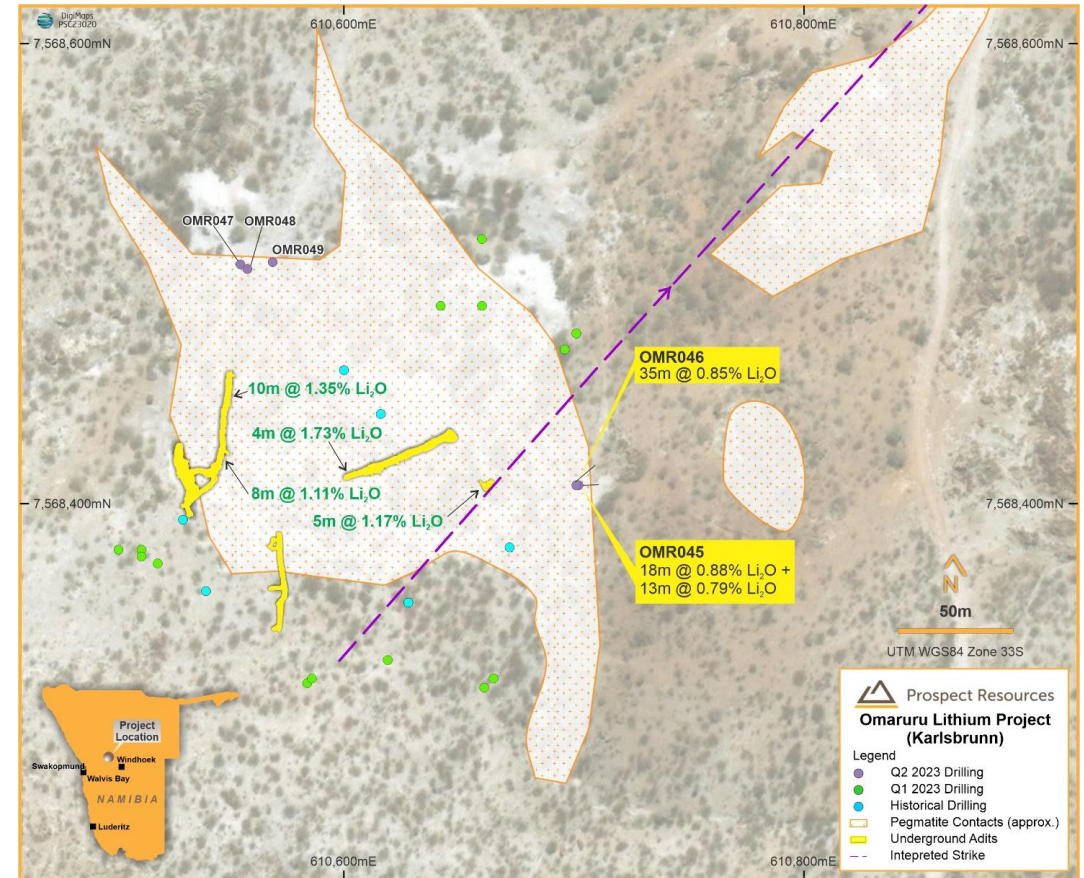
- Delineation of thick feeder zone at Karlsbrunn Main
- Recent discovery of large Karlsbrunn SE deposit
- Currently in process of earning to 51% (upon completion of Phase 2 programme)
- Extensive soil geochemical sampling programmes have identified multiple “blind”, shallow, walk-up, exploratory lithium drilling targets



Refer to ASX Announcements "Significant New Drill Targets identified at Omaruru" dated 15 November 2023

# Karlsbrunn: Ongoing drilling and soil sampling

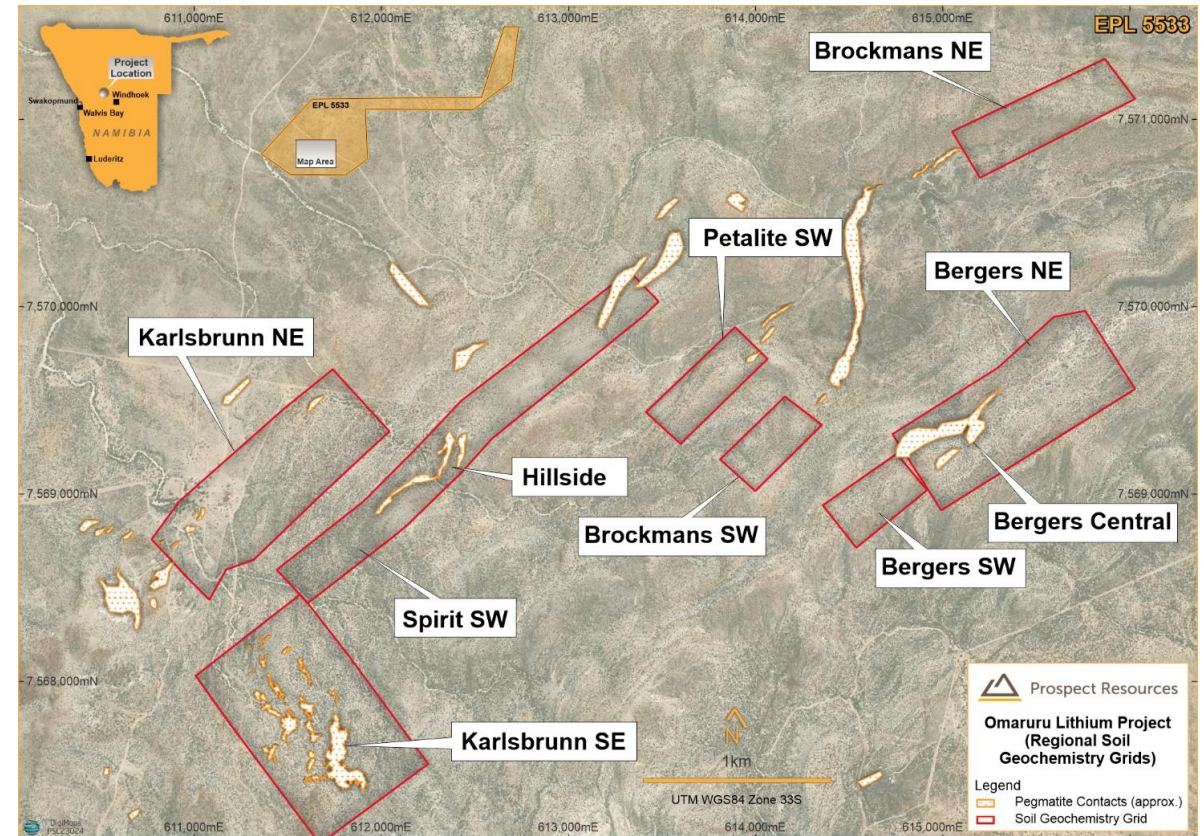
- Five drill holes for 345m were completed as part of the Phase 1 drilling programme
- Significant intercepts returned included:
  - **35m @ 0.85% Li<sub>2</sub>O** from surface, including
    - **5m @ 1.03% Li<sub>2</sub>O** from 1m and
    - **13m @ 1.04% Li<sub>2</sub>O** from 12m (OMR046)
  - **18m @ 0.88% Li<sub>2</sub>O** from surface, and
    - **13m @ 0.79% Li<sub>2</sub>O** from 21m (OMR045)
- Lithium mineralisation (lepidolite and petalite) appears zoned either side of an unmineralised quartz core, and the southeast flank is interpreted as a feeder zone
- Soil geochemistry has outlined a strike extension to the northeast that will be drill tested



Location map showing completed RC drill holes at Karlsbrunn Main

# Significant Regional Potential Defined

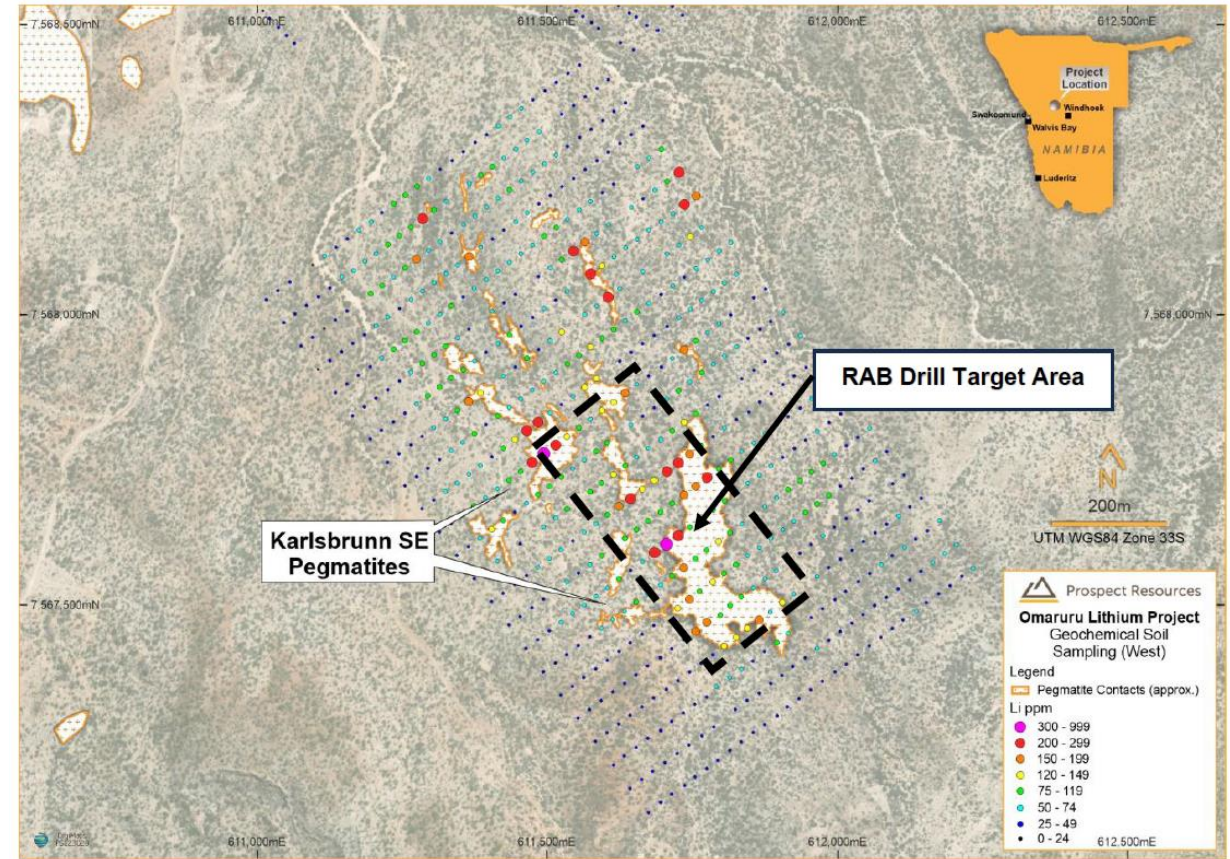
- Soil sampling programmes recently completed over four separate grids, including new Karlsbrunn SE discovery with large pegmatite outcrops
- Additional work undertaken adjacent to the existing Bergers, Karlsbrunn and Hillside prospects has generated subsurface positions for potential blind lithium mineralisation
- Numerous regional drilling targets have now been identified and will be targeted with a RAB rig as part of ongoing Phase 2 drilling
- Large areas of the tenement yet to be evaluated which contain similar host rock sequences



Regional Soil Geochemical Sample grids completed for Omaruru

# Karlsbrunn SE Pegmatites

- Prospect recently discovered an unmapped cluster of lithium mineralised pegmatites 1.4km southeast of Karlsbrunn Main
- A coherent 500m long, 150m wide lithium geochemical anomaly represents a compelling new scout RAB target and will be drilled during Phase 2
- The methodical approach to exploration taken at Omaruru has assisted the ongoing regional reconnaissance programmes, followed by surface soil sample surveys to delineate specific targets
- The Company will continue to apply this rapid, low-cost and successful approach to ongoing evaluation on the rest of the tenement

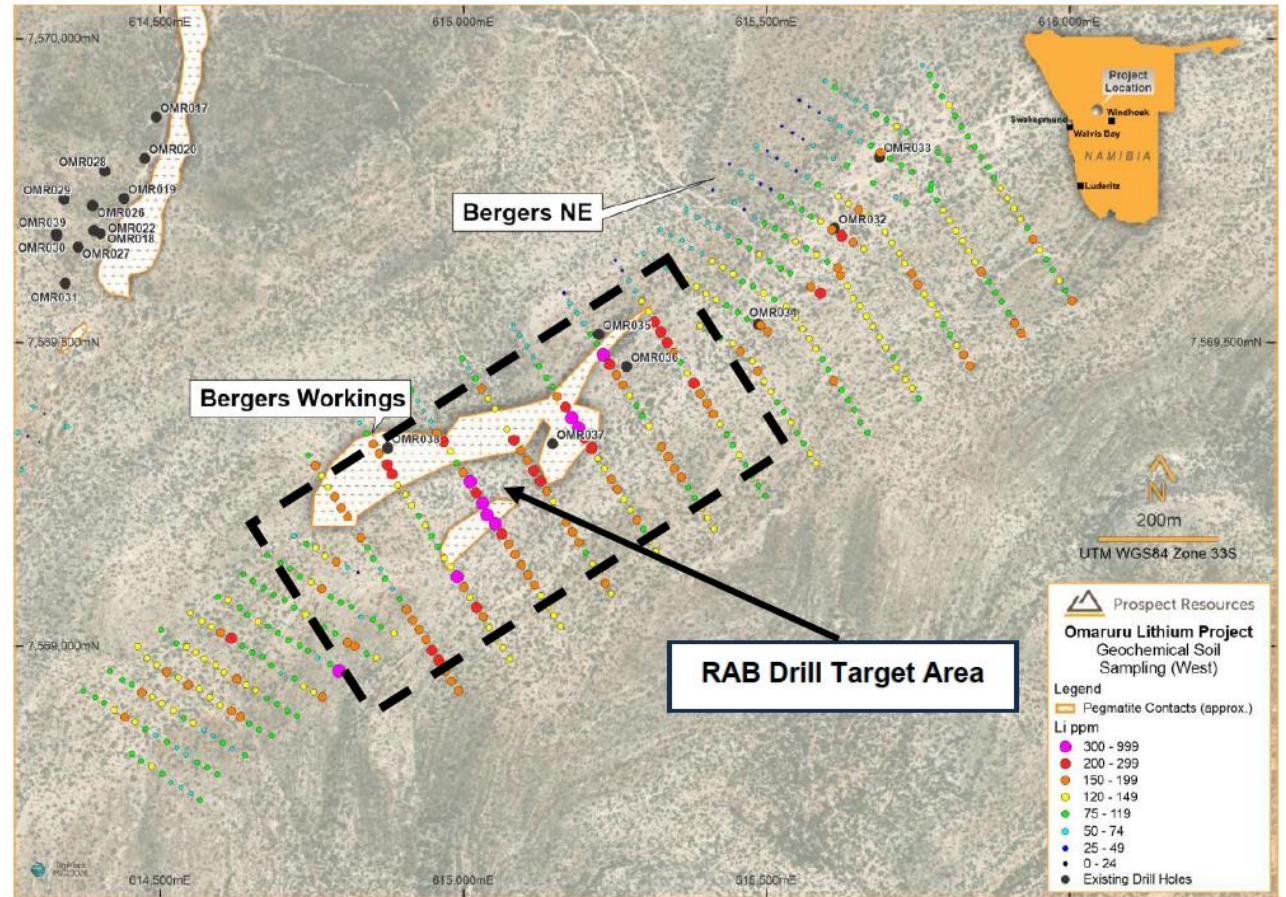


Soil Geochemical Grid for Karlsbrunn SE showing new RAB drill target zones

Refer to ASX Announcements "Significant New Drill Targets identified at Omaruru" dated 15 November 2023

# Bergers Revisited

- Encouraging, near-surface, first-pass lithium drilling intersections of **7m @ 0.84% Li<sub>2</sub>O** (OMR032) and **3m @ 0.71% Li<sub>2</sub>O** (OMR037) during the Phase 1 drilling demanded follow up, with infill soil sampling completed
- Re-evaluation of Bergers has now identified a strong, lithium-in-soil anomaly that forms a prospective area some 700m long and 300m wide
- Upcoming RAB drilling will test the extent of this anomaly, with the aim of generating deeper RC drill targets in 2024



Soil Geochemical Infill Grid for Bergers Central showing new drill target zone

Refer to ASX Announcements "Significant New Drill Targets identified at Omaruru" dated 15 November 2023



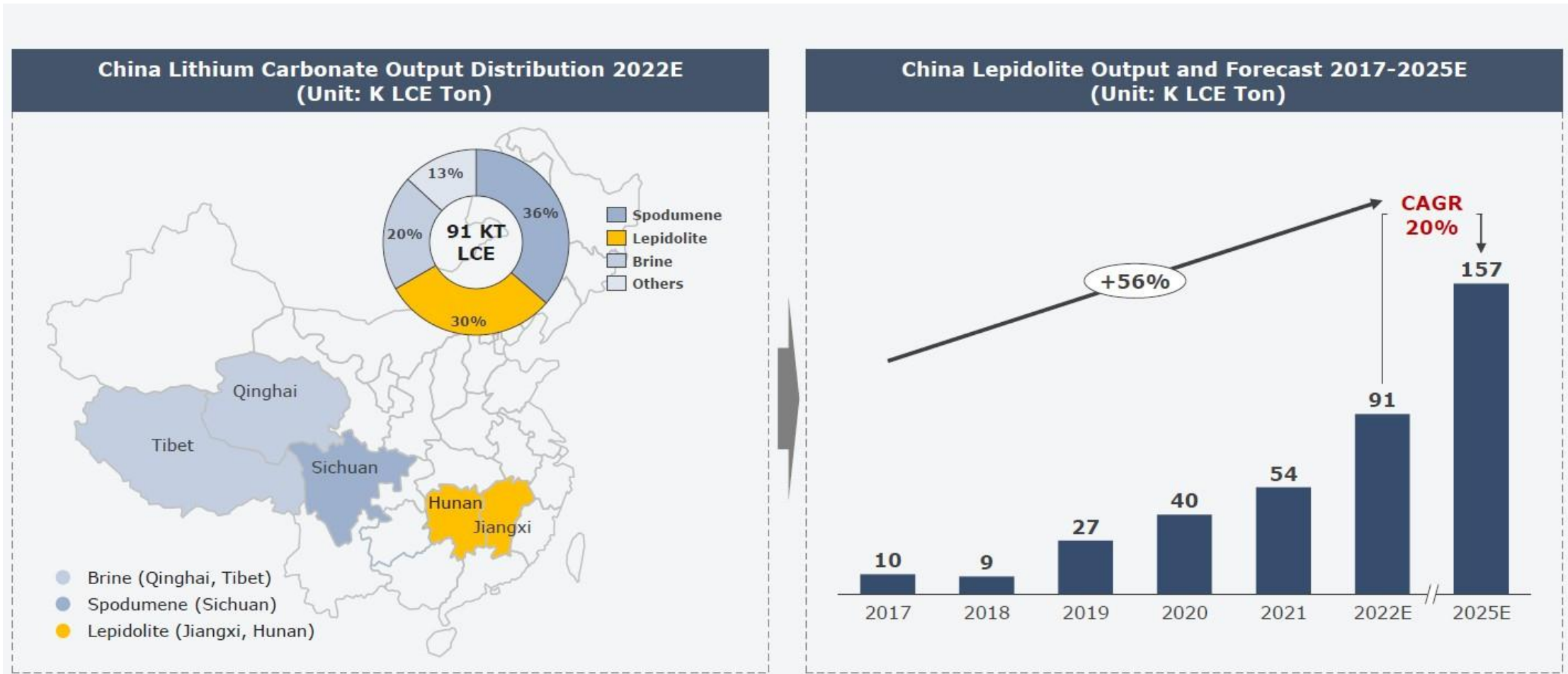
# Clear Exploration Pathway Established

- Ongoing Phase 2 programme is underway with RAB drilling to target soil anomalies defined at Karlsbrunn SE, Bergers and Karlsbrunn NE
- Prospect expects to complete its Phase 2 earn-in to a 51% majority stake of Omaruru during Q4 2023
- The assay results and interpretation of the RAB drilling will inform the next phase of RC work at Omaruru, with the aim of providing a maiden JORC-reportable MRE during 1H CY2024
- The Karibib region is considered very prospective for additional lithium discoveries, as the Company seeks to build a significant mineral inventory here



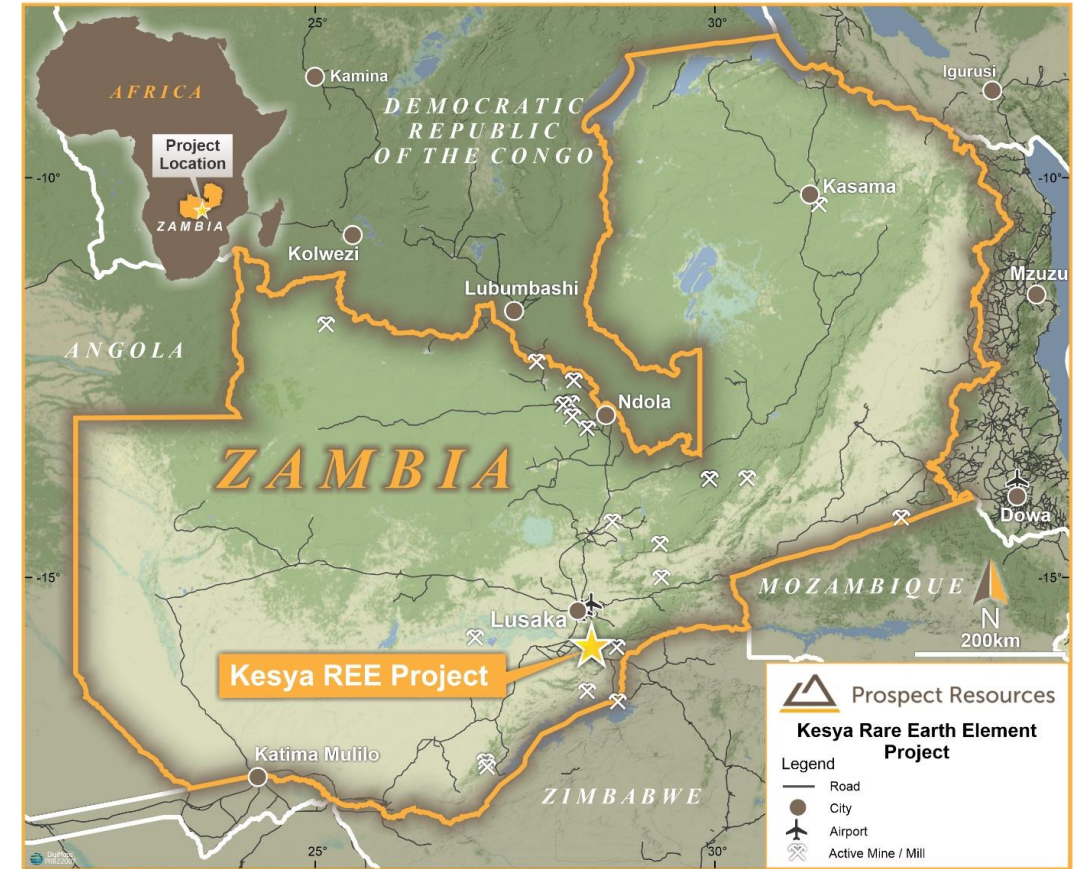
# Lepidolite value - Rising market share in China

Lepidolite smelters (mainly in Jiangxi Province) accounted for 30% LCE share in 2022 and grew by 56% between 2017-2022. Supply is expected to reach 157 kt LCE by 2025 with a 20% CAGR. **Omaruru is a lepidolite rich area.**



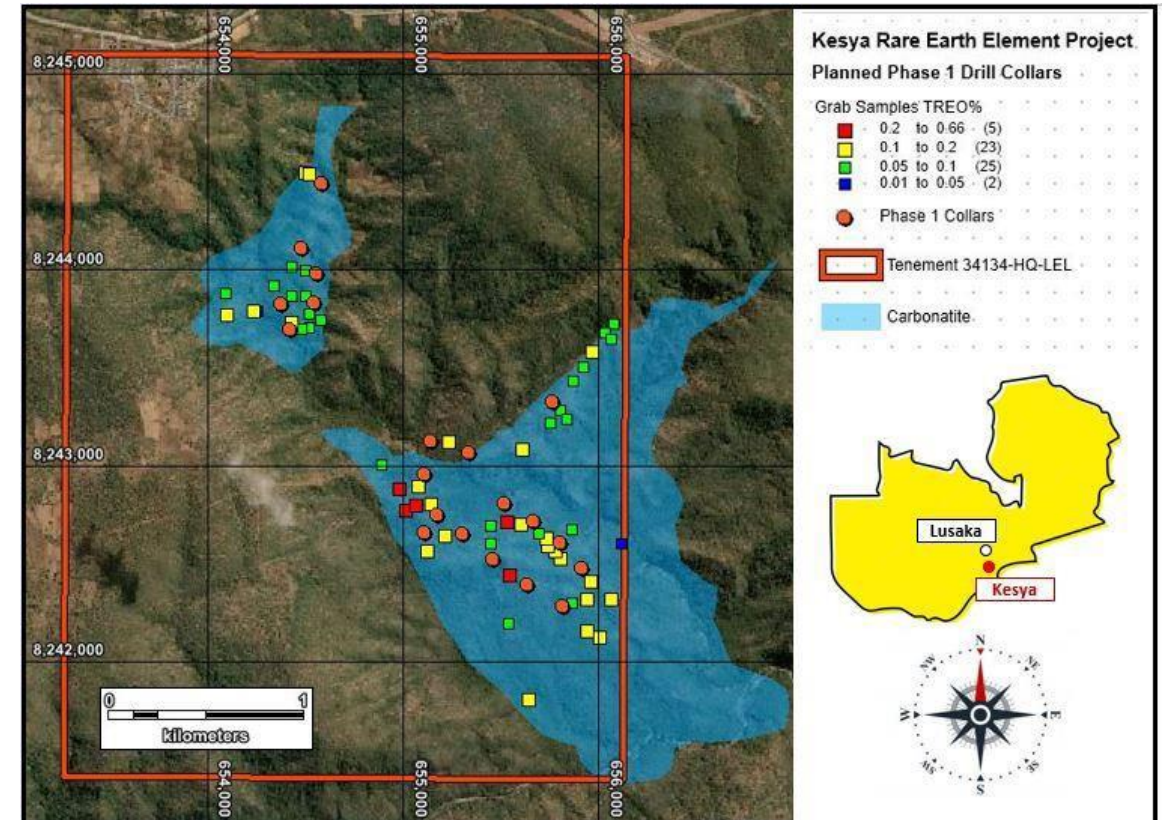
# 3 Kesya Rare Earths Project, Zambia

- Exploration Licence (LEL) covering 1,053 hectares
- Located near the town of Kafue in southern Zambia, 90 km via sealed road to capital, Lusaka
- Previous geological mapping and surface sampling has identified a large, rare earth-enriched carbonatite intrusion
- Strong potential for world-class, REE-enriched, carbonatite-hosted mineral system, having returned significant values of neodymium and praseodymium from previous studies
- Option Agreement executed with Antler Gold Inc. (ANTL.TSXV), to acquire 51%, and up to 85%, interest in Kesya



# Outstanding Geology and Jurisdiction

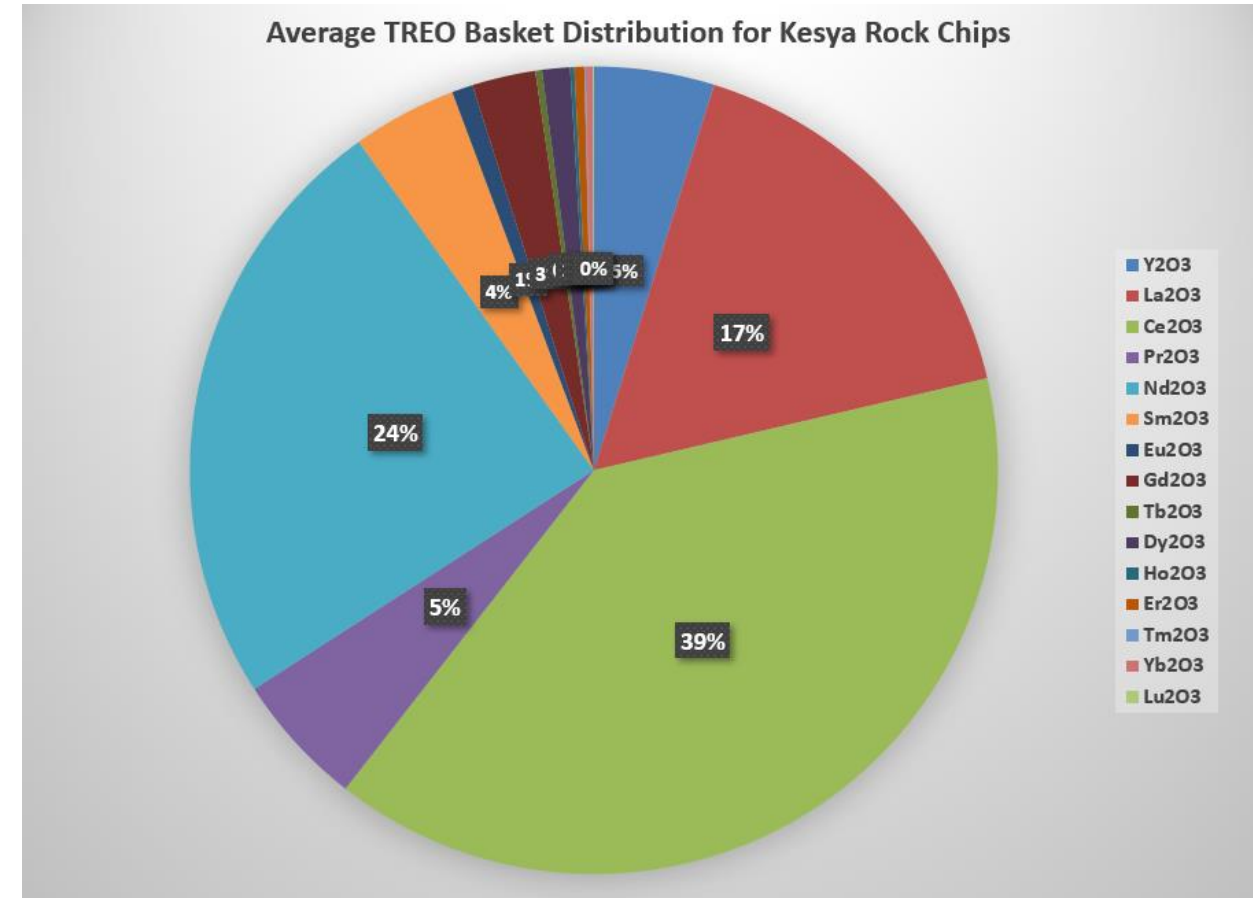
- Kesya is composed of a unique mineral (sövite) and breccia associated with the carbonatite's intrusion into granitic gneiss rock sequences of the Zambezi Belt
- The volcanic intrusion is described as massive, and related to faulting, and covers more than 200 hectares within the licence
- Zambia is a leading resource investment jurisdiction with a long-standing history of exploration, mining and export of minerals, particularly copper
- There has never been a major exploration focus for discovering rare earth mineralisation in the country
- The region possesses excellent infrastructure and significant support from both Government and community, who seek to diversify from a largely singular copper focus



Location map of Kesya REE Project with proposed diamond drill target areas

# Potential High Value REE Basket

- Antler undertook two mapping and sampling campaigns in 2021, including reconnaissance work and collection of 51 rock chip samples
- Results show REE contained within monazite and bastnaesite mineralisation, with low levels of deleterious uranium and thorium (radionuclides)
- Average of 1,280 ppm (0.13%) total rare earth oxide (TREO) content, peaking at 6,559 ppm (0.66%) TREO
- Sample assays showed consistently high contents of neodymium and praseodymium (**NdPr**), **averaging 29%** of the total rare earth oxide content (Basket) of rock chip samples collected by Antler (considered very encouraging)



# Rare Earths Demand Outlook (Deficit Looming)

## Rare earths – key investment considerations



### Nexus to decarbonisation

Rapid growth supported by accelerated demand for EV and wind turbines



### Limited substitution technologies

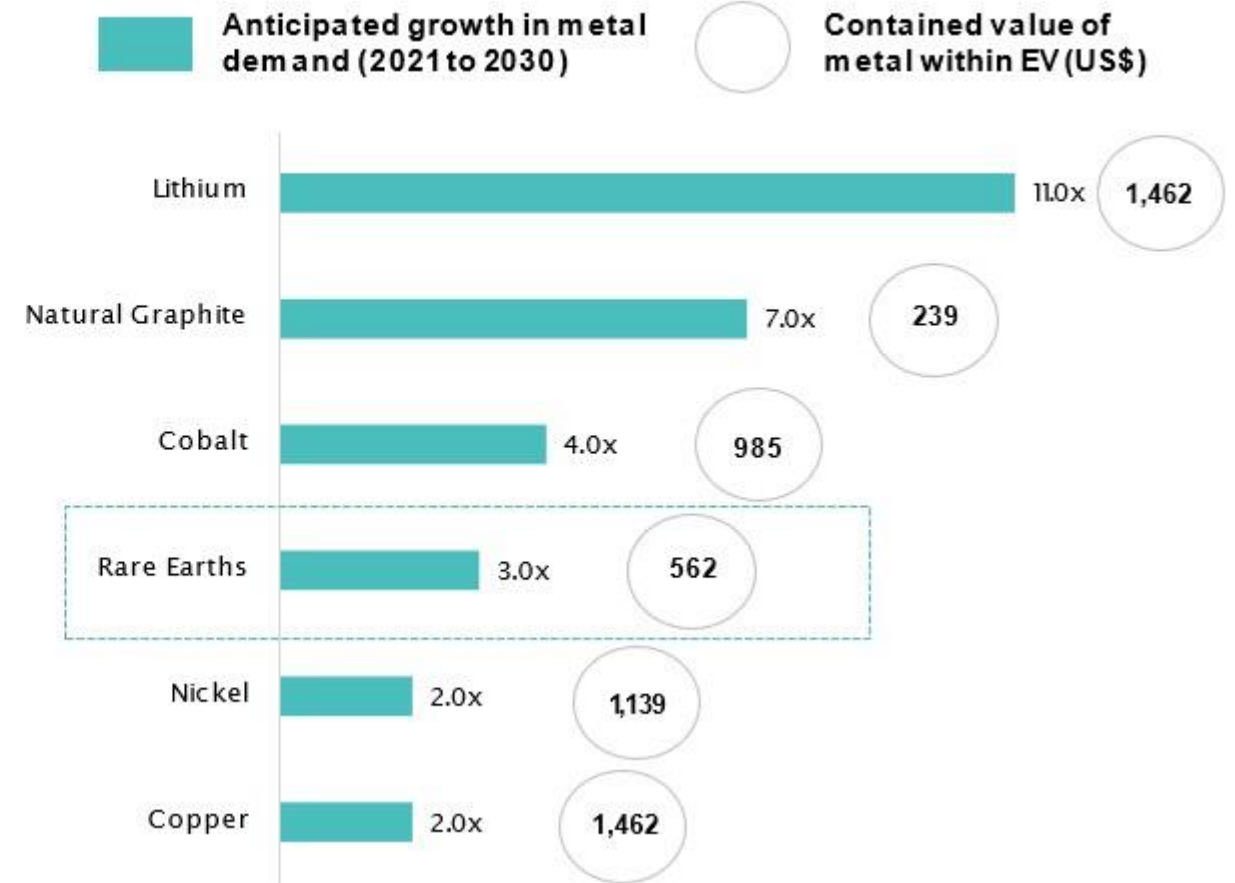
Rare earth magnet motors >5x magnetic strength relative to induction motors



### Price elasticity

Rare earths relatively small proportion of overall cost of an EV

## Rare earths within EVs



Content modified from Peak Rare Earths Limited ASX Announcement 6 February 2023 - "Presentation Mining Indaba Conference"

# Prospect Corporate Outlook for 2024

## **Step Aside** (Zimbabwe)

- Potential high grade spodumene feed source for nearby operating Arcadia Mine (8km away)
- Finalise definition drilling to establish global resource tonnage

## **Omaruru** (Namibia)

- Large ground holding contains significant potential to define a critical mass of lithium resources to justify development
- Ongoing exploration programmes targeting large volumes of higher-grade mineralisation at Karlsbrunn and Bergers

## **Kesya** (Zambia)

- Strong potential to define a world-class REE-enriched asset
- Currently awaiting award of the licence; drill ready to commence post wet season

## **Advanced Project Strategy**

- Targeting to acquire an advanced project at resource defined stage or better to complement current early-stage portfolio

# Prospect Resources: Leading the Way



**Electrification revolution presents a multi-decade opportunity with strong fundamentals**



**Significant experience in mineral exploration, technical flowsheet design and marketing**



**Proven ability in designing, developing and delivering battery metals projects in Africa**



**Well funded to act on value accretive opportunities in highly prospective sub-Saharan Africa**



**Well credentialed Board and Management team, focused on creating and realising long term shareholder value**