

ASX: ENR



## Broker Briefing – Rare Earths and Critical Minerals Investor Webinar

*Leading copper & critical minerals  
exploration in Australia*

Thursday 27 July 2023



Diamond drilling at Aileron in the West Arunta in May 2023

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# Encounter at a glance

## Creating value through project generation and discovery

### Capital structure

ASX ticker	ENR
Share price (25/7/2023)	\$0.47
Shares on issue	396M
Options	23M
Market capitalisation	~\$186M
Cash (30/6/2023)	~\$12M
Enterprise value	~\$174M

### Major shareholders

Board and Management	~13.5%
IGO	~7.2%
Silver Lake Resources	~5.2%

### Board of Directors



**Mr Paul Chapman**  
Non-Executive  
Chairman  
*B.Comm, ACA, Grad.  
Dip. Tax, MAICD,  
MAusIMM*



**Mr Will Robinson**  
Managing Director  
*B.Comm, MAusIMM*



**Dr Jon Hronsky OAM**  
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*BAppSci, PhD,  
MAusIMM, FSEG*

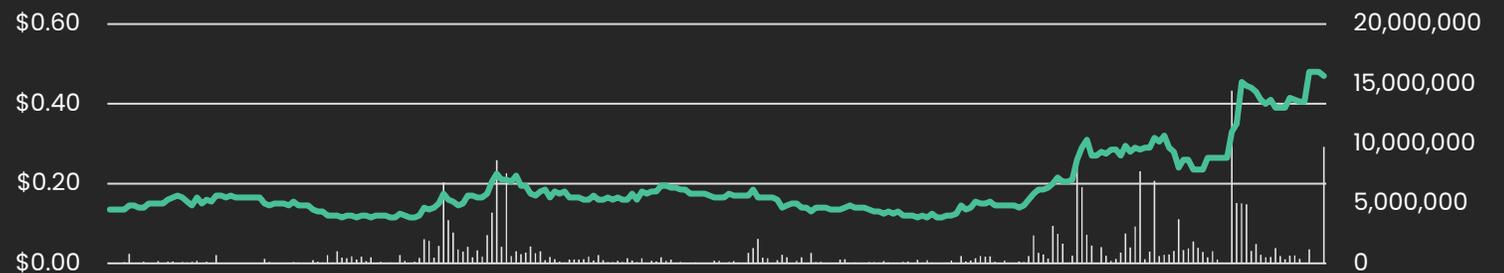


**Mr Peter Bewick**  
Non-Executive  
Director  
*B.Eng (Hons),  
MAusIMM*

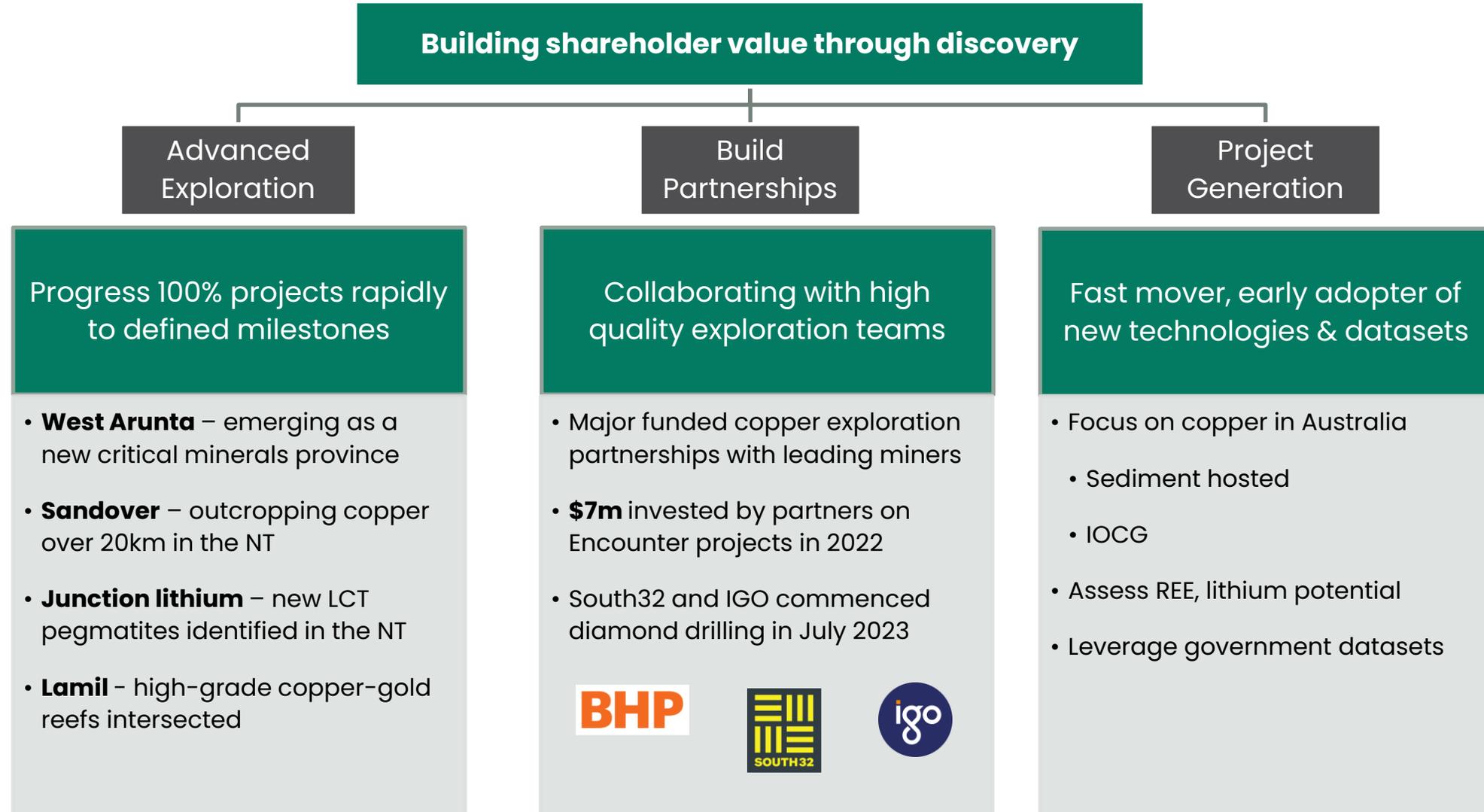


**Mr Philip Crutchfield**  
Non-Executive  
Director  
*B.Comm., LL.B (Hons),  
LL.M LSE*

### Share price 12 months

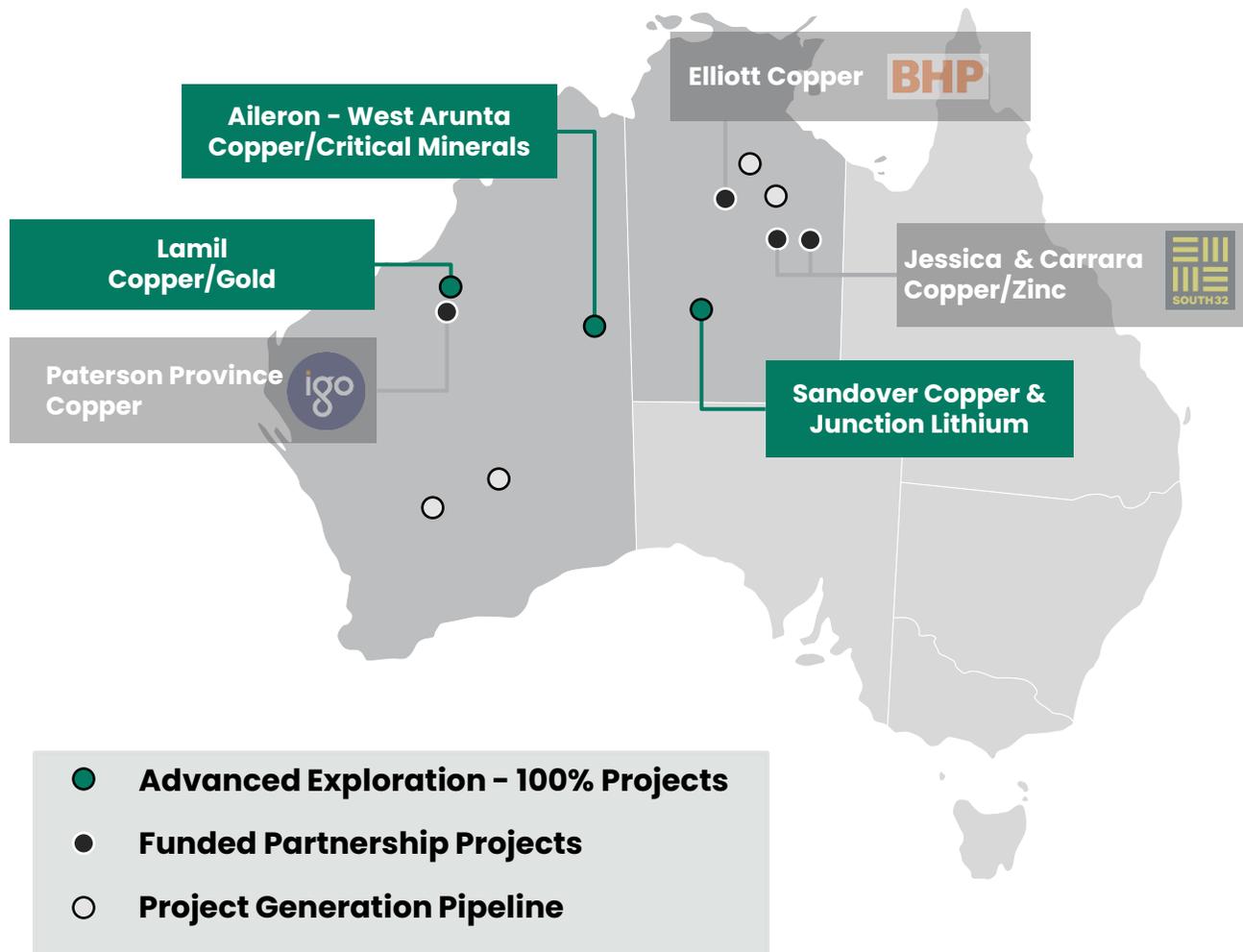


# Large and consistent in-ground exploration investment



# A premier exploration portfolio

Early mover positions in world-class minerals belts attracting Tier 1 partners



## Aileron Project – West Arunta – WA

**Targeting IOCG style copper-gold and carbonatite hosted critical minerals**

- Niobium-REE carbonatites discovered

## Sandover Copper Project – NT

**Outcropping shale units that contain copper mapped for >20km**

- Gravity survey completed, preparing for diamond drilling

## Junction Lithium Project – NT

**Highly anomalous lithium & critical minerals**

- Confirmed LCT pegmatites

## Lamil Project – Paterson Province – WA

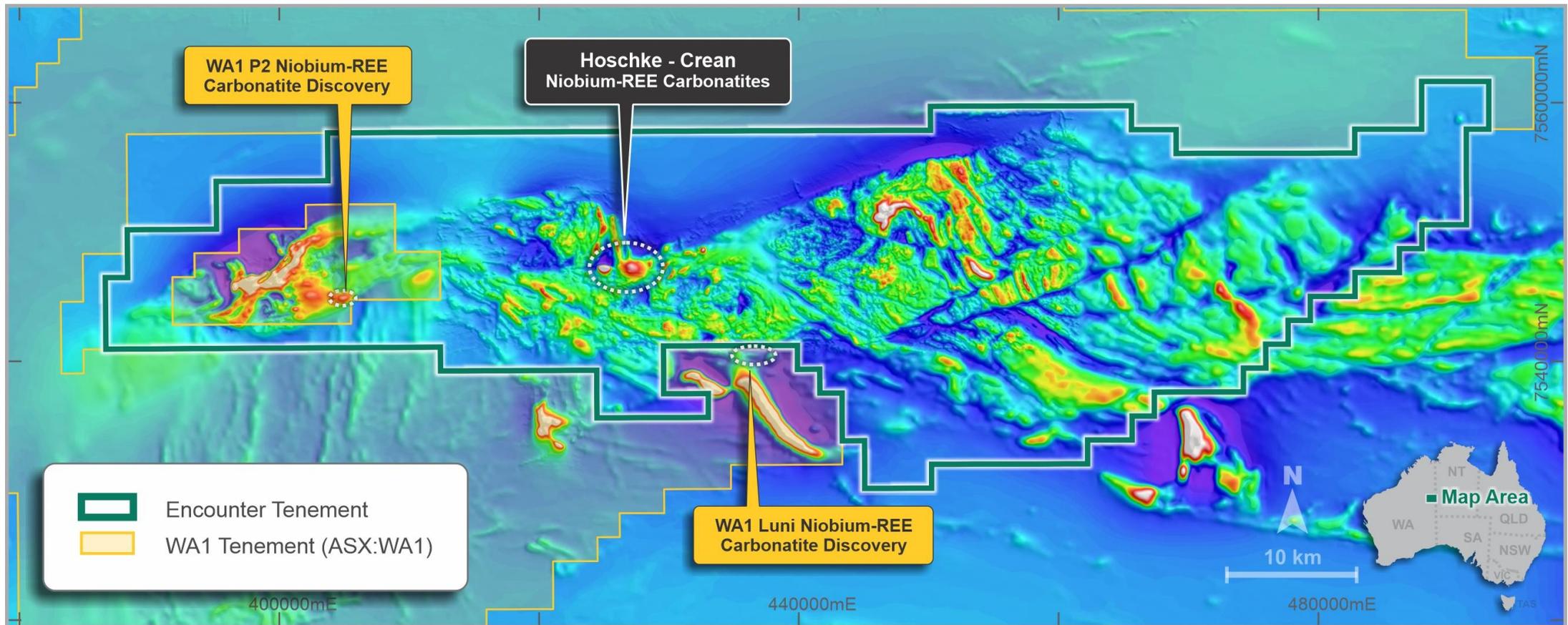
**High-grade copper-gold reefs intersected**

- Potential for project partnership to accelerate exploration

# Aileron Project – West Arunta (100% ENR)

## Targeting IOCG and carbonatite hosted critical minerals

- Commanding land position in the underexplored West Arunta with +100km long Aileron project
- High grade niobium-REE discovery at Luni by WA1 Resources (ASX:WA1) is located just south of Aileron



Aileron Cu-REE project – Magnetics (RTP) <sup>1</sup>

<sup>1</sup>refer to ASX announcement 8 December 2022

# Aileron Project – West Arunta (100% ENR)

Modern geophysics is revealing exceptional new critical mineral targets

2019 – 2020

Identified the West Arunta opportunity, secured tenure, introduced Newcrest Mining as farm-in partner



First hole intersects IOCG-style signature at an easily explorable depth in an area of no previous mineral exploration

2021

Newcrest withdraws from the farm-in and returns 100% control of Aileron to Encounter



Gravity survey defines initial drill targets at Caird, Crean & Hoschke

2022

Geochronology confirms Olympic Dam age mineralising events at Aileron



Airborne magnetic-radiometric survey completed

2023

Falcon gravity survey reveals extraordinary new targets



Six hole diamond drill program intersects niobium-REE carbonatites over 3.5km



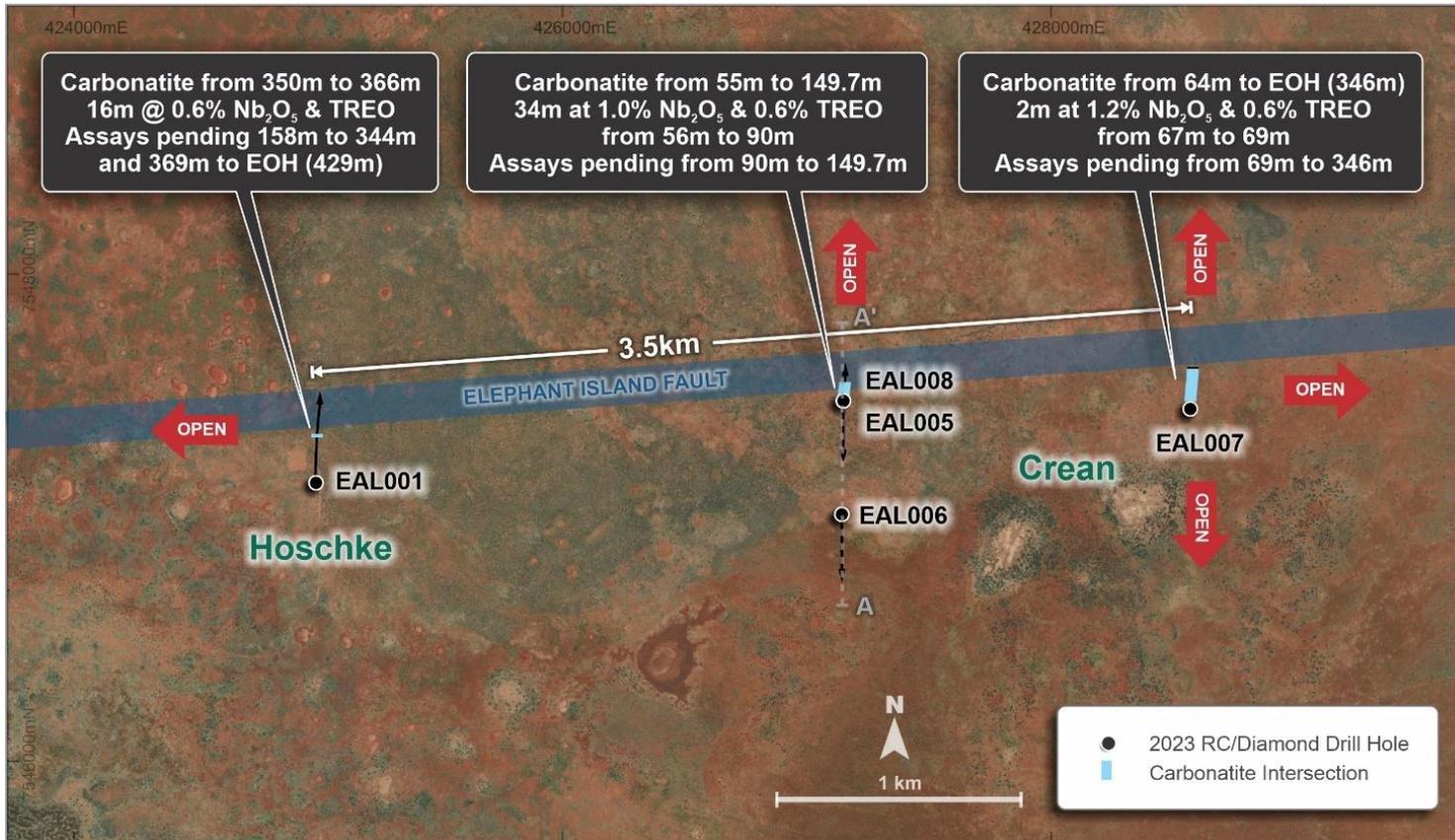
8,000 – 10,000m of RC drilling to test multiple targets in H2 2023

Aileron field camp

# Aileron Project – Diamond Drill Program – June 2023

## Niobium-REE carbonatites over 3.5km – open and thickening to the east

- First two holes at Crean, drilled 1.5km apart, intersected carbonatites with both RC pre-collars finishing in high grade niobium-REE mineralisation, diamond tail assays pending...



**Diamond drill locations (black dots) the three holes (EAL001, EAL008 and EAL007) that intersected carbonatites over 3.5km of strike along the Elephant Island Fault**



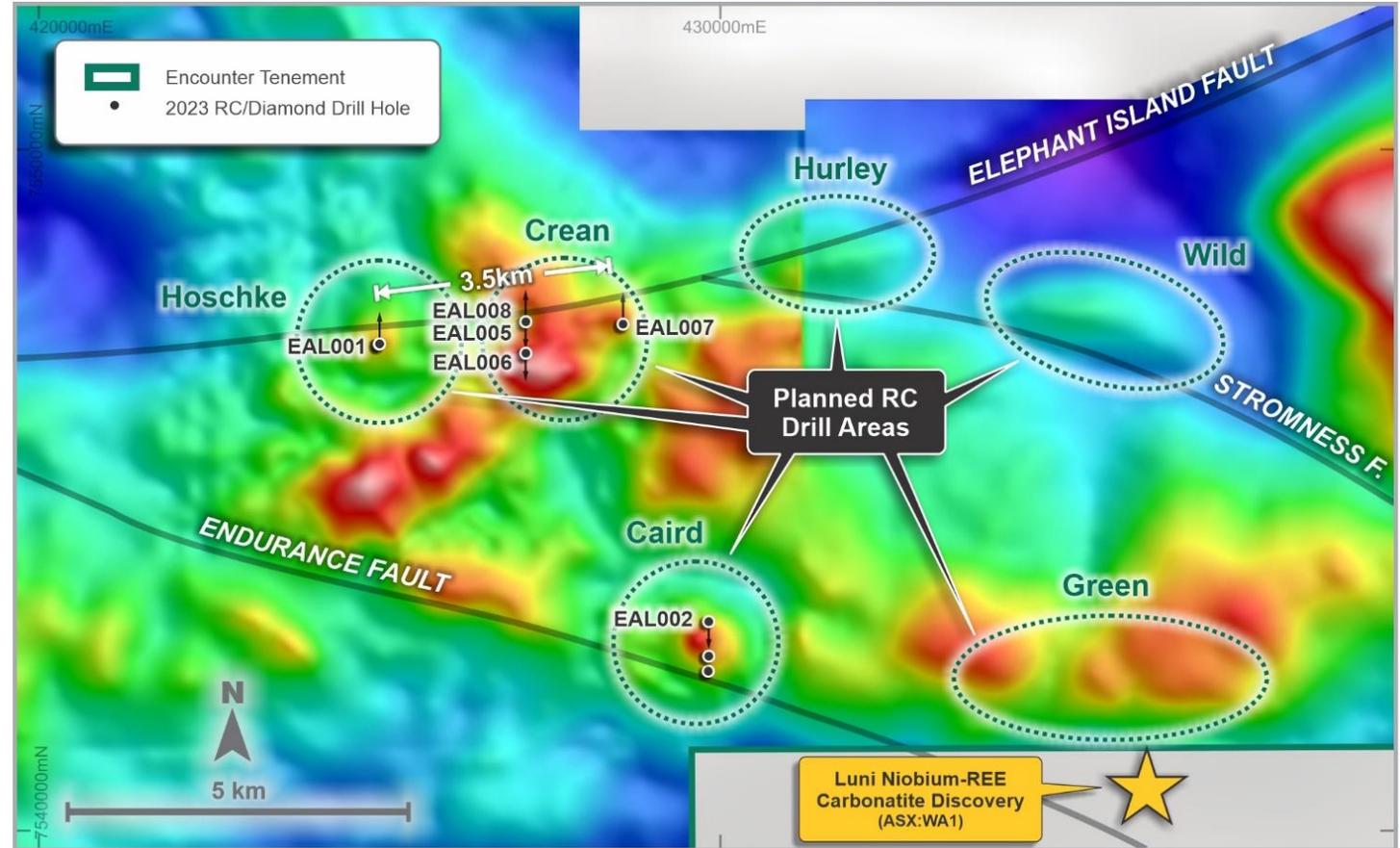
**Photo 1: Exploration Manager Sarah James with RC pre-collar spoils from drillhole EAL008**

# Aileron Project – West Arunta (100% ENR)

## RC Drill Program – August–October 2023

### Next Steps

- Assays from 6 diamond holes in the September 2023 quarter
- RC drilling commencing in August 2023 to include:
  - Extending the shallow, high-grade niobium-REE at Crean
  - Testing the Hurley and Wild targets located east of Crean
  - drilling the Green target north of WAI Resources' Luni discovery

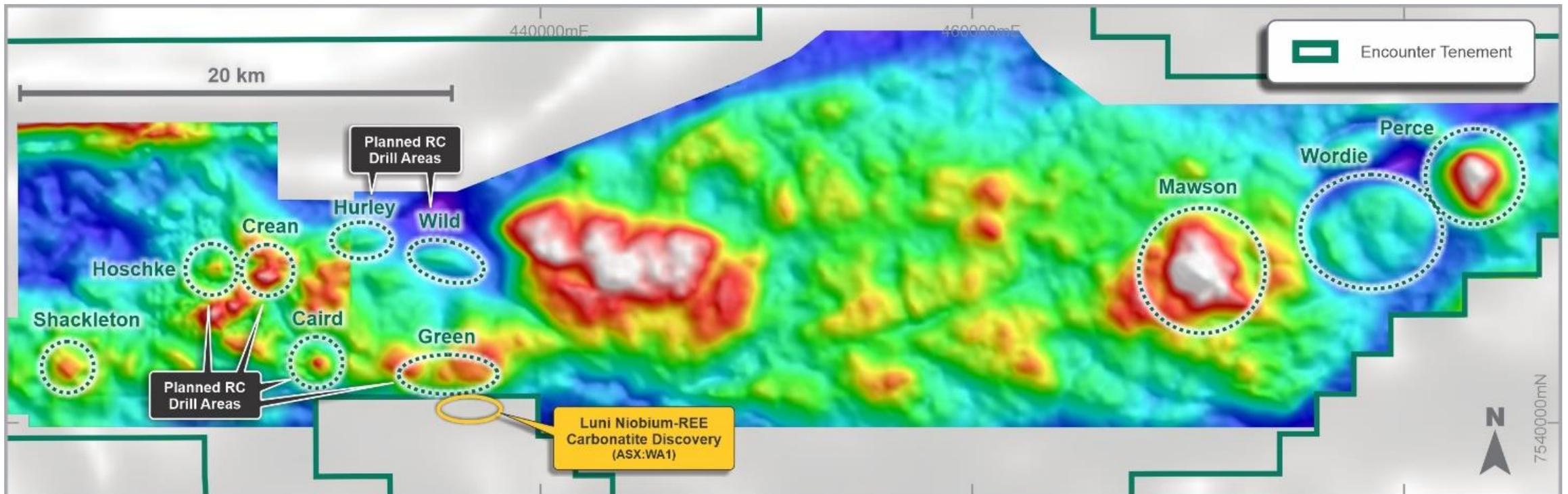


**Aileron diamond drill locations (black dots) over residual gravity with planned RC drill program areas for testing between August and October 2023**

# Aileron Project – West Arunta (100% ENR)

## Falcon airborne gravity survey defines a suite of new targets

- Three significant gravity anomalies in the eastern part of Aileron:
  - Mawson and Perce are discrete, high amplitude (~6 mGal) anomalies that potentially outline alkaline/carbonatite intrusions or hematite alteration prospective for IOCG mineralisation
  - Wordie is a circular density feature, with significant internal complexity located on a major regional structure, interpreted as a potential alkaline/carbonatite intrusive body



Falcon gravity survey has highlighted a number of high priority targets

# Niobium (Nb) overview

## A critical mineral with growing strategic value

- Identified as a critical mineral by Australia, the United States, the European Union and Japan
- Approximately 90% of demand comes from the steel industry:
  - A micro alloy to make lighter, stronger and more corrosion resistant steel
  - Used in major infrastructure construction, aviation and the automotive industry
- CBMM-Toshiba partnership to incorporate niobium into the next generation of battery technologies to enhance performance by:
  - Super-fast charging (<6 minutes) and discharging rates
  - Prolonging the lifespan of battery-powered products (more charging cycles)
  - Improved safety (lower fire risk)
- Niobium supply is concentrated and constrained:
  - Only three operating mines with 95% of supply coming from Brazil



Niobium-REE carbonatite in drill hole EAL001 at Aileron

# Aileron Project – West Arunta (100% ENR)

## 2023 exploration program

**Falcon gravity survey**

**Complete**

**2,900m diamond drill program: Hoschke, Crean, Caird**

**Complete**

**New gravity/magnetics/drill data to prioritise targets**

**Jun – Aug**

**Heritage survey**

**In progress**

**Surface geochemistry**

**Jul – Sep**

**Geophysics**

**Aug – Sep**

**RC drill program (8,000 – 10,000m)**

**Aug – Oct**

# Large projects in emerging copper-critical mineral regions

## 100% ENR Projects

### Aileron Copper-Critical Minerals Project –WA

- Targeting IOCG copper-gold and carbonatite hosted critical minerals
- Diamond drill assay results from Aug 2023
- RC drill program Aug-Oct 2023

### Sandover Copper Project – NT

- Outcropping shale units that contain copper mapped for >20km
- Gravity survey completed, diamond drilling program planned

### Junction Lithium Project – NT

- Highly anomalous lithium & critical minerals
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### Lamil Copper-Gold Project – Paterson Province WA

- High-grade copper-gold reefs intersected

## Copper Farm-in Partners

**\$7m invested by partners on ENR projects in 2022**

**BHP**

### Elliott Copper Project – NT

**(up to \$25m farm-in funding)**

- Diamond drilling intersected a potential “first reductant” horizon in 2022
- Key target for sediment-hosted copper deposits



### Jessica and Carrara Projects – NT

**(ENR carried to Scoping Study)**

- Diamond drilling July to November 2023
  - 4 holes (3,500m) at Jessica
  - 3 holes (3,000m) at Carrara



### Yeneena Project – Paterson Province WA

**(up to \$15m farm-in funding)**

- Diamond drilling July to September 2023
- 5 holes (2,900m) targeting high-value sediment-hosted copper



# Contact

**Telephone:** +61 8 9486 9455

**Website:** www.enrl.com.au

**Email:** contact@enrl.com.au

Suite 2, 1 Alvan Street  
Subiaco WA 6008

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