

26 September 2024

## ASX Announcement

### North Achilles Geological Overview

- **Magnetic imagery shows the continuation of the mineralised Achilles Shear onto ELA6755**
- **Highly active exploration neighbours (ASX: AGC and SER) uncovering ongoing geological prospectivity**
- **The Au-Ag-Zn-Pb-Cu deposits within Cobar region exhibit strong structural control and commonly occur in clusters, with numerous high grade ore bodies emplaced intermittently along structures**
- **Company seeking to advance project post tenement grant**

#### Summary

Regener8 Resources NL (ASX: **R8R**) (**Regener8** or the **Company**) is pleased to provide an update on the North Achilles project (R8R ASX Announcement 30.07.2024), following ongoing geological desktop assessment and shareholder approval to acquire the project.

The North Achilles project (tenement ELA6755) is located immediately adjacent and abutting tenements held by Australian Gold and Copper Ltd (ASX:**AGC**) where approximately 2.2km south, the Achilles discovery was recently made (**Figures 1 & 3**). This discovery displays outstanding drill results including 5 metres @ 16.9g/t Au, 1,667g/t Ag, 0.4% Cu & 15% Pb + Zn (A3RC030 - AGC ASX Ann. 04.06.2024).

Geophysical imagery supports the interpretation the mineralisation-hosting Achilles Shear continues north into the North Achilles project. The Company will look to advance exploration on the project including land access negotiations, following tenement grant.

#### Cobar basin mineral deposits

The Devonian Cobar basin hosts many structurally controlled precious and base metal ore deposits (**Figure 1**). While most deposits display polymetallic (Au-Ag-Cu-Pb-Zn) mineralisation, individual metal ratios vary between deposits with some displaying distinct enrichment in one or few of the targeted metals, such as CSA Mine (Cu-Ag dominant) or Elura/Endeavor Mine (Zn-Pb-Ag dominant). Mineralisation generally presents as base and precious metal-bearing veins and disseminations within deformed turbidites, with minor massive sulphide. Deposits exhibit a strong structural control and are particularly associated with areas of silicification proximal to major structures.

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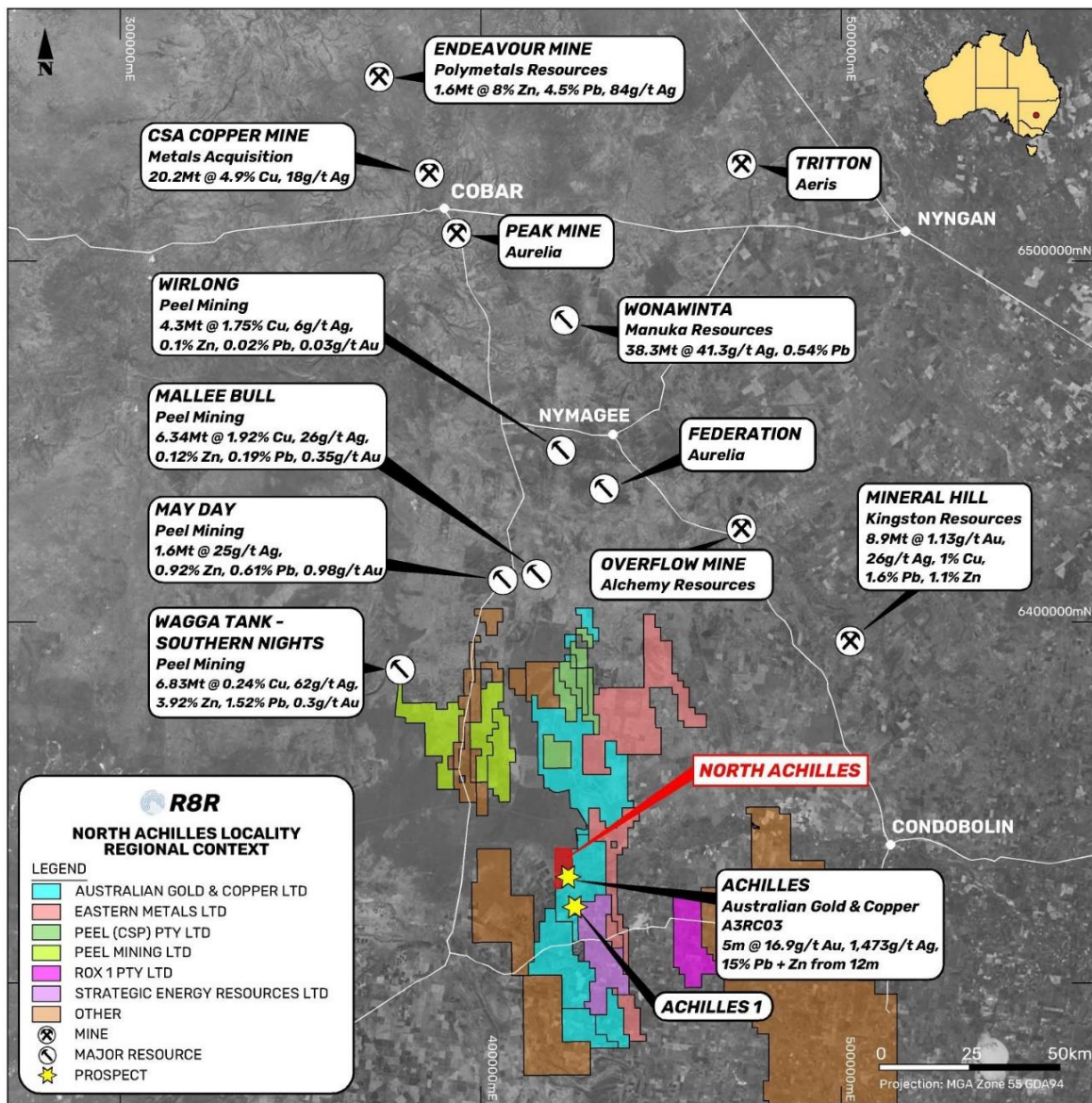
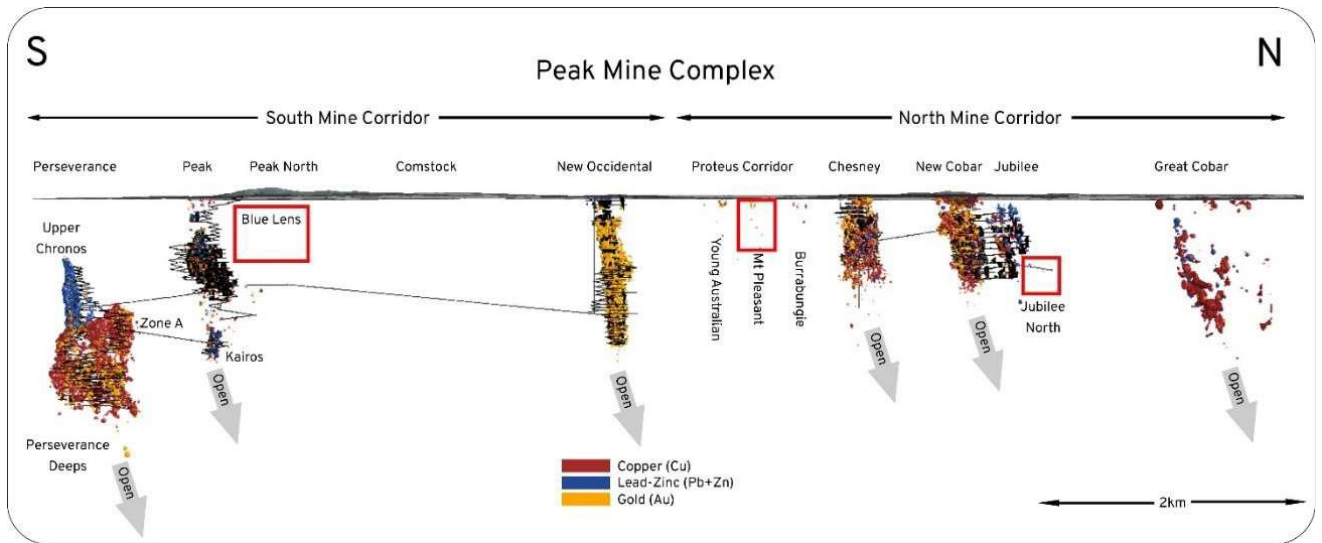


Figure 1: Regional mineral deposits, North Achilles

Importantly, **deposits within the Cobar region cluster**, with most current mining operations exploiting multiple high grade deposits. An example of this is Aurelia Metals (ASX:AMI) Peak Mine Complex (180km north of ELA6755) where multiple deposits along c. 10km of the Great Chesney Fault are being currently mined from two portals accessing 9 ore bodies that includes Perseverance, Peak, New Cobar and Jubilee (**Figure 2**) Another example of this is Eastern Metals (ASX:EMS) Browns Reef project (20km southeast of ELA6755), where multiple prospects occur over c. 3km of strike along the Worarara Fault. **This clustering nature strongly suggests that the mineralisation discovered by AGC at Achilles (2km south along strike from ELA6755) may be accompanied by further occurrences both up and down strike.**





**Figure 2:** Extract from Aurelia Metals announcement (ASX:AMI 17 July 2024)

(ASX:AMI Ann Figure 3: Long-section of the Peak Mine Complex including the Peak North and South Mine areas and individual deposits with generalized metal distribution and currently reported exploration focus areas.)

While deposits within the Cobar region have historically been discovered by surface prospecting, geophysics and surface geochemistry have played a significant role in recent discoveries. In particular, IP geophysics and Pb-As-Sb in soils has been found by AGC and previous explorers to be highly effective in both retroactively locating known deposits and finding new occurrences as evident from the recent Achilles discovery.

### North Achilles ELA6755 and the Achilles Shear

The North Achilles prospect area lies along the western margin of the Rast Trough in the southern Cobar Basin. The Rast Trough is dominated by felsic volcanism with minor sediments and is bounded to the west by the Uabba Fault (**Figure 3**). While the Devonian basement that hosts mineralisation outcrops in the Achilles 3 area, the North Achilles project area is concealed by shallow Cenozoic dune fields and sediments of the Woorinen Formation (**Figure 3**). This cover renders surface geochemical sampling, which has been integral to the discovery of the Achilles prospects and many other deposits in the Cobar region, ineffective. As a result, the tenement area has seen very little historic exploration and remains effectively unexplored.

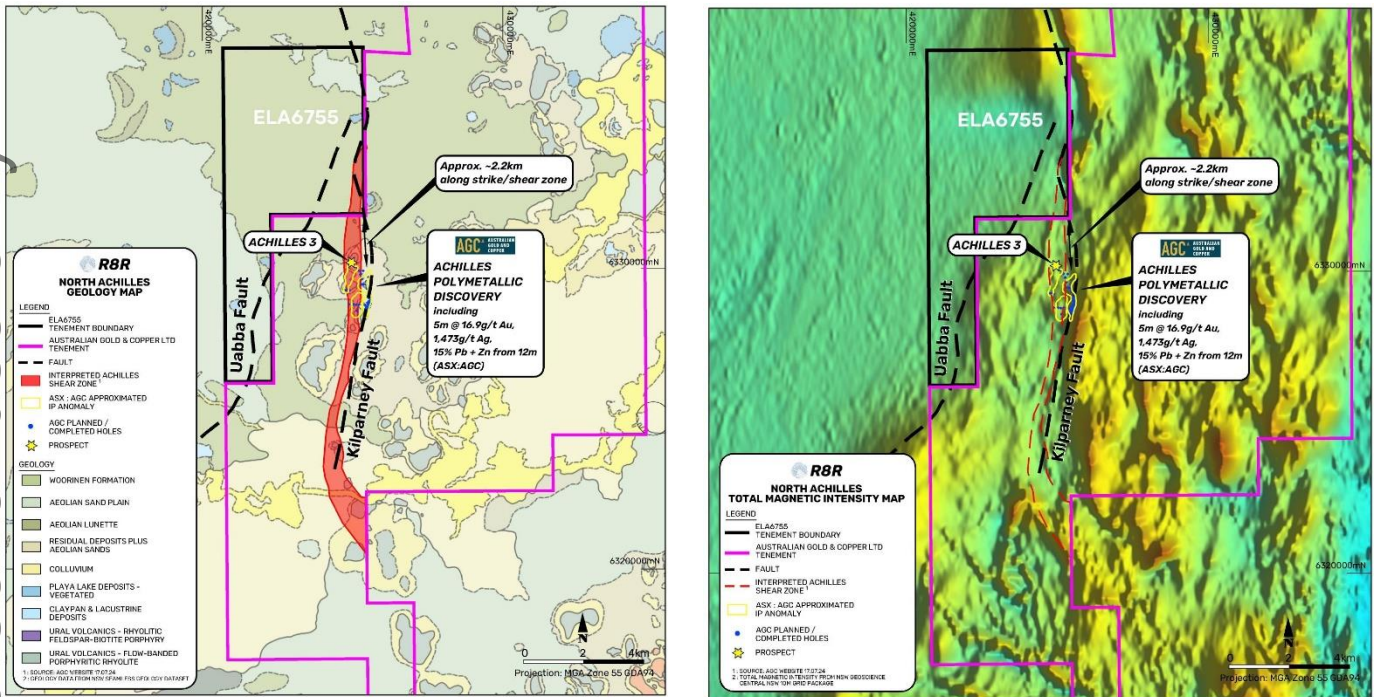
The North Achilles tenement application area overlies the northernmost extent of the Achilles Shear, near the convergence of Uabba and Kilparney Fault (**Figures 1 and 3**). The Achilles Shear (**Figure 2**) is a 15 km long structure that has been interpreted as a southern, along-strike equivalent of the Rookery Fault system which controls the distribution of the central Cobar district polymetallic deposits at Hera and Peak (AGC Prospectus, 2021).



Magnetic imagery outlines the complex geology of the Rast Trough to the east, including strongly magnetic ~N-S features, interpreted as pyrrhotite-bearing rhyolite sill complexes, one of which follows the eastern margin of the Achilles Shear (**Figure 3**).

This highly magnetic unit lies immediately to the east of the high grade mineralisation located at Achilles earlier this year by AGC and may act as a rheological control on the location of the mineralisation. This magnetic imagery shows the continuation of this feature and the Achilles shear onto ELA6755 (**Figure 2**) and provides an immediate search space for R8R to focus initial exploration on.

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**Figure 3: Local Geology and Total Magnetic Intensity (NSW Geoscience Central NSW 10m Grid Package), North Achilles Project**

### Planned work

Following tenement grant (expected December Quarter 2024) and land access arrangements, Regener8 will commence exploration on ELA6755. This is expected to include meetings with landholders and relevant stakeholders and reconnaissance field work. Following on from strategies utilised effectively by AGC and other regional explorers, initial exploration techniques may consist of surface or auger geochemical sampling, and geophysical techniques such as high resolution magnetic and Induced Polarisation (IP) surveys, with the intent to generate and prioritise drill targets for testing. Regener8 looks forward to updating the market in due course.



This ASX Announcement has been authorised for release by the Board.

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## Background Regener8 Resources Projects

Regener8's diverse and future facing exploration project portfolio consists of three key projects across Australia:

1. **North Achilles Project, South Cobar, NSW:** Polymetallic (Au, Ag, Pb, Zn)

Located immediately beside and along trend of Australian Gold and Copper's (ASX:AGC) Achilles discovery with outstanding results including **5 metres @ 16.9g/t Au, 1,667g/t Ag, 0.4% Cu & 15% Pb + Zn** (A3RC030 - AGC ASX Ann. 04.06.2024)

2. **East Ponton Project, WA:** Critical Minerals (Rare Earths, Ni, Co)

Located approximately 220km east of Kalgoorlie and nominally 40km south south-east of of known carbonatite discoveries. These include the exploration restricted Cundeelee carbonatite, described by BHP as the largest, effectively untested carbonatite in the world (port A56942, BHP 1998) and the Ponton Intrusion discovery with some of the highest-grade intersections ever found in Australia including (ASX: GXY announcement 11 January 2011) **16m @ 14.48% TREO** (PN03A), **28m @ 10.50% TREO including 6m @ 20.57% TREO** (PN10A) and **26m @ 6.99% TREO** from surface including 8m @ 13.12% TREO (PN09A)

3. **Kookynie Gold Project, WA:** Gold

Sitting within the Kookynie Gold district north of Kalgoorlie, the project hosts substantial historical workings and exploration with intersections including **2m @ 70.5 g/t Au** (RC38), **2m @ 15.4 g/t Au** (RC315) and **2m @ 11.32 g/t Au** (RC391). Regener8's 2023 program found encouraging results which included **5m @ 3.18 g/t Au** (NGRC017) and **2m @ 7.77g/t Au** (including **1m @ 14.8 g/t Au** in NGRC037).



**Figure A:**  
Regener8 Exploration Portfolio  
Project Locations

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