

## Induced Polarisation Survey commenced at Brandy Hill South Copper Project, WA

### Highlights

- Induced Polarisation survey commenced at Recharge's copper-focused Brandy Hill South Project
- The survey aims to refine drill targets by identifying sulphide rich zones associated with copper mineralisation
- The survey is a small, low-cost orientation IP survey to trial its effectiveness, and will be expanded if successful across the remainder of the Project
- This work builds on previous drilling results, which confirmed significant copper mineralisation within the project area:
  - 33m @ 0.97% Cu from 59m
  - 77m @ 0.33% Cu from 209m
  - 52m @ 0.45% Cu from 54m incl. 1m @ 1.11% Cu, 1m @ 1.81% Cu & 1m @ 1.72% Cu
  - 22.5m @ 1.02% Cu from 375.5m incl. 7.5m @ 1.65% Cu
- Exploration data supports evidence of a porphyry copper system at Brandy Hill South, which is well preserved compared to similar deposits in WA
- Copper mineralisation defined over a strike length of 500m, mineralisation remains open along strike and at depth
- Brandy Hill South provides Recharge with the opportunity to advance a project as we continue to progress the Carter Uranium Project, USA

Recharge Metals Limited (ASX: **REC**, **Recharge** or **the Company**) is pleased to announce the commencement of an Induced Polarisation (IP) orientation survey at its 100%-owned **Brandy Hill South Copper Project** (the **Project**, located in the Murchison region of Western Australia. The survey is designed to enhance targeting confidence by detecting potential sulphide-rich zones associated with copper mineralisation. This geophysical program marks an important step in advancing exploration at Brandy Hill South, following successful drilling results that confirmed copper mineralisation.

### Recharge's Managing Director, Felicity Repacholi, commented:

*"With strong results at Brandy Hill South, including 33m @ 0.97% copper, the commencement of this IP survey is an exciting step forward in our exploration efforts, and seeks to identify sulphide-rich zones that could host significant copper mineralisation.*

*The IP survey is a result of the technical review that was completed by Dr Steve Beresford and reported to the market on the 8<sup>th</sup> July 2024. Steve's findings informed the formulation of a relatively simple low-cost work program to advance the project, including this survey.*

*Copper is one of the key commodities in the global energy transition yet relatively few new projects have emerged in recent times. Should exploration be successful, we anticipate substantial interest in Brandy Hill South going forward.*

*We are pleased to be undertaking work programs to advance our Brandy Hill South Project whilst we continue to progress work at our flagship Carter Uranium Project in the US, with plans to be drilling later in the year."*

### **Induced Polarisation Survey**

Recharge Metals has commenced a four-line IP orientation survey at the Project as a proof-of-concept study. The survey aims to assess IP's effectiveness in detecting sulphide-rich zones associated with copper mineralisation. Results will guide future geophysical programs and refine drill targeting. This work builds on previous drilling success at Brandy Hill South.

### **Background**

The Brandy Hill South Project is located within the Archaean Gullewa Greenstone Belt in Western Australia, approximately 50km northeast of Morawa. The Project is located close to the Deflector Deposit (currently owned by RED 5 Ltd, ASX: RED) which has been interpreted to be formed by an orogenic gold system overprinting a porphyry copper system.

Recharge acquired the project from Revolution Mining Pty Ltd (Revolution) during 2021. Prior to this, drilling within the project had been restricted to reconnaissance RAB and aircore drilling and only five (5) shallow reconnaissance RC drillholes.

Independence Group NL (IGO) completed two (2) RC drillholes in 2007, focusing on nickel-copper sulphide exploration. Drillholes were designed to test an interpreted conductor of interest and an area of strong copper anomalism (up to 0.70% Cu) along a granite/ultramafic contact. The copper anomalism was evident in the historic drilling and did not appear to have been tested in fresh rock.

The drillhole targeting the copper anomalism intersected a zone of strong Au-Cu-Ag-Pt-Pd mineralisation including 1m @ 2.15g/t Au, 112g/t Ag and 2.10% Cu, within a broader interval of 12m @ 1.10% Cu and 14.9 g/t Ag, 0.22 g/t Au<sup>1</sup>. Due to IGO's focus on nickel, no further work was completed.

During 2019, Revolution drilled three shallow reconnaissance RC holes aimed at 'proof of concept' testing of the inferred strike of the Salt Creek Shear and subsidiary structures beneath the cover. All three drillholes intersected significant copper mineralisation over a substantial strike length with all holes finishing in

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<sup>1</sup> Refer REC ASX Announcement dated 7 October 2021

copper mineralisation. The drilling program encountered copper sulphide mineralisation in sheared and strongly silica-carbonate altered gabbro.<sup>2</sup>

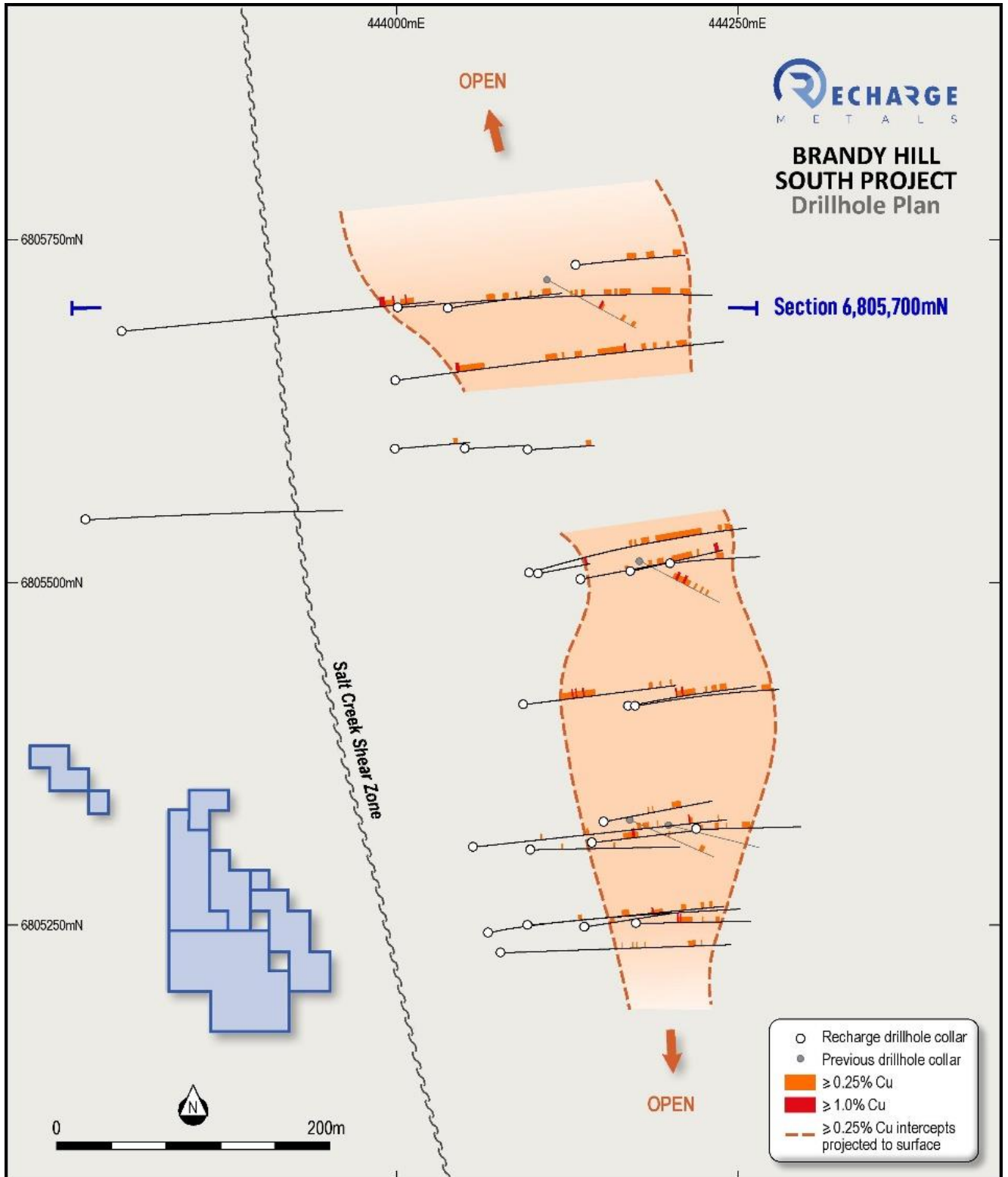


Figure 1: Drillhole Plan showing copper mineralisation defined to date at the Brandy Hill South Copper Project

<sup>2</sup> Refer REC ASX Announcement dated 15 September 2022

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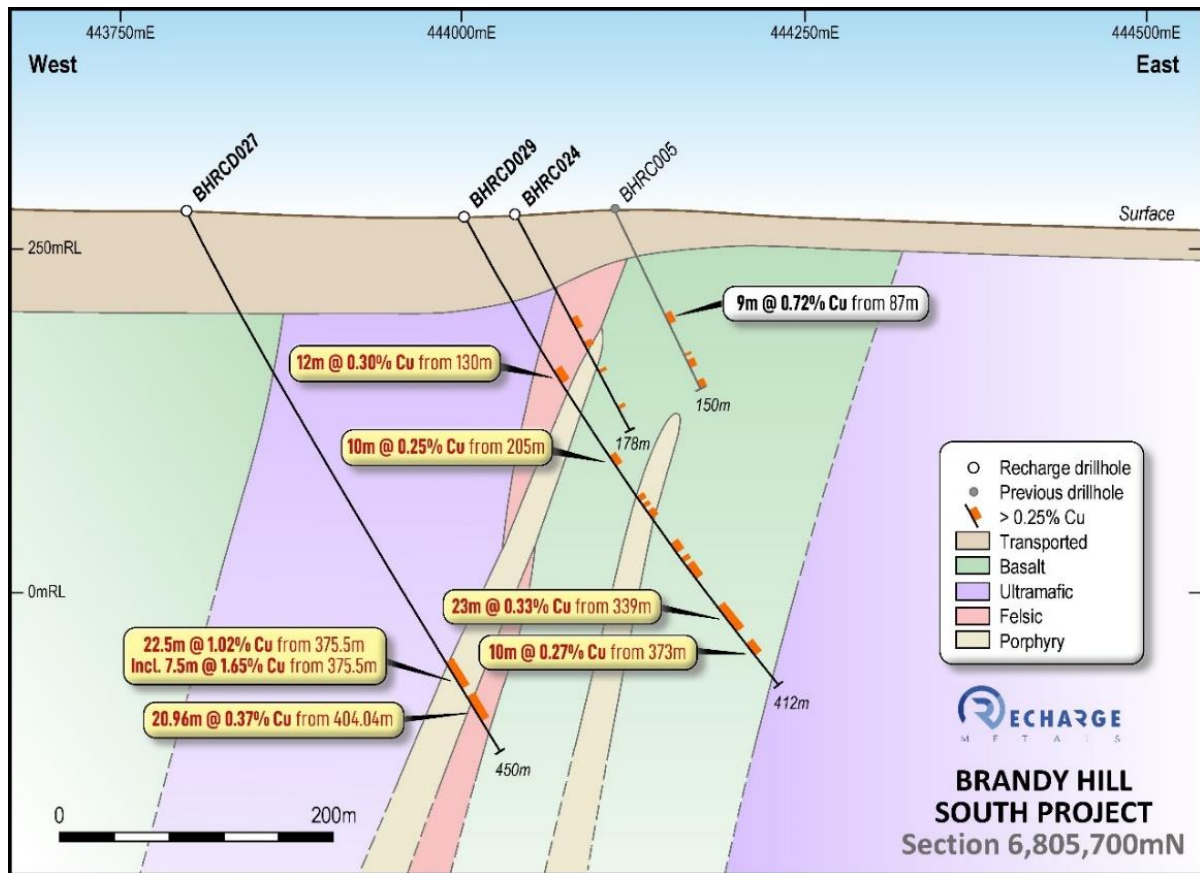


Figure 2: Cross Section 6,805,700mN showing significant intercepts and interpreted geology

Recharge completed an extensive drilling program during 2021 and 2022, completing twenty (20) RC drillholes, one (1) diamond drillhole and eight (8) diamond drillholes with RC precollars. A total of 6,710m were completed.

Significant copper results returned by Recharge in drilling included:

- BHD026
  - 77m @ 0.35% Cu from 209m
  - 7.1m @ 0.34% Cu from 80.9m
  - 14.5m @ 0.28% Cu from 186m
- BHRC004
  - 33m @ 0.97% Cu from 59m, incl. 4m @ 2.42% Cu from 66m and 6m @ 2.09% Cu from 77m
- BHRC006
  - 14m @ 1.09% Cu from 74m
- BHRC007
  - 36m @ 0.47% Cu from 64m
- BHRC010
  - 24m @ 0.55% Cu from 48m
- BHRC012

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- 24m @ 0.52% Cu from 59m
  - BHRC013
    - 29m @ 0.47% Cu from 64m
  - BHRC015
    - 52m @ 0.45% Cu from 54m
  - BHRCD027
    - 22.5m @ 1.02% Cu from 375.5m  
incl. 7.5m @ 1.65% Cu from 375.5m
  - BHRCD030
    - 42m @ 0.46% Cu from 90m,  
incl. 5m @ 1.56% Cu from 91m
    - 35m @ 0.32% Cu from 278m.

The strike length of copper mineralisation intersected to date exceeds 500 metres. Mineralisation remains open in all directions. See previous announcements for complete significant intercepts<sup>3</sup>.

### Forward Plan

Exploration for porphyry copper mineralisation follows a well-established targeting framework to vector in on the most prospective parts of the mineralised system. Due to the amount of work already completed at Brandy Hill South, Recharge is able to rapidly advance exploration for a relatively minimal cost.

Following the completion of the induced polarisation (IP), the following steps will be completed:

- Interpretation of the IP survey; dependent on the ability of the survey to effectively detect disseminated sulphides associated with copper mineralisation.
- A detailed paragenetic study (including relogging of existing drillcore) of a cross section including BHRCD018 to ascertain number of porphyries and vein paragenesis.
- Short Wave IR (SWIR) scanning of a single hole (or alternatively the use of a portable infra-red mineral analyser (PIMA) / ASD mineral spectrometer) to quantify alteration styles and expand the lithogeochemical interpretation.

Should activities be successful in confirming the porphyry copper model, it is anticipated that the Brandy Hill South Project could be a high value asset for the Company given its location in a Tier-1 mining jurisdiction and the prevailing outlook for copper.

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<sup>3</sup> Refer REC ASX Announcements dated 29 March 2022, 13 April 2022, 9 June 2022, 8 August 2022, 15 September 2022, 22 November 2022 and 30 January 2023

-ENDS-

This announcement has been authorised for release by the Board of Recharge Metals Limited.

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**About Recharge Metals**

Recharge Metals Limited (ASX: REC) is a well-structured exploration company, with a focus on the exploration of green energy commodities. Recharge is concurrently exploring the Newnham Lake Uranium Project located in the northeastern Athabasca Basin, the Express Lithium Project located in the world class James Bay lithium district in Canada, and the copper-focused Brandy Hill South Project in Western Australia.

**No New Information**

Past exploration results disclosed in this report have been previously prepared and disclosed by the Company in accordance with JORC 2012 in the following ASX announcements: Exploration Results extracted from the Company's Prospectus announced to the ASX on 7 October 2021 and the Company's subsequent ASX announcements of 15 November 2021, 8 February 2022, 29 March 2022, 5 April 2022, 10 May 2022, 18 May 2022, 9 June 2022, 14 July 2022, 8 August 2022, 15 September 2022, 14 October 2022, 24 October 2022, 22 November 2022, 30 January 2023 and 7 July 2024.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant original market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

**Forward looking statements**

Any forward-looking information contained in this announcement is based on numerous assumptions and is subject to all of the risks and uncertainties inherent in the Company's business, including risks inherent in mineral exploration and development. As a result, actual results may vary materially from those described in the forward-looking information. Readers are cautioned not to place undue reliance on forward-looking information due to the inherent uncertainty thereof.

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