

## Pure Expedites Second Phase of Metallurgical Testing – Reedy Creek Garnet Project

### HIGHLIGHTS

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- Following excellent results from preliminary test work on the Reedy Creek Garnet Project, the Company has expedited a second round of metallurgical testing.
  - **Approximately three (3) tonnes of stockpiled garnetiferous material** will undergo extensive metallurgical testwork to determine the methodology and potential for generating a range of commercially viable garnet products.
  - **Product extracted from the Phase 2 test work will be delivered to buyers across established markets** for jet cutting, abrasive blasting, water filtration, bonded abrasives and concrete aggregates in Australia, USA and Asia.
  - Work to be undertaken during this phase of testing includes:
    - Mineralogical studies confirming garnet liberation and mineral associations;
    - Pre-concentration and comminution studies including but not limited to ore sorting;
    - Optimum grind size and liberation investigations;
    - Further investigations into downstream processing using magnetic separation equipment including Rare Earth Rolls Magnetic Separation; and
    - Ongoing resource definition and material characterisation work to understand the lateral and vertical variation within the ore body.
  - **PR1 is rapidly advancing preliminary economic studies with a view to becoming the only Australian hard-rock garnet producer** to satisfy the demand across the Asian markets.
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**Pure Resources Limited (ASX:PR1)** ("Pure" or "**Company**") is pleased to announce it has exercised the option to acquire the Reedy Creek Project located 90 kms north of Halls Creek, Western Australia ("**Reedy Creek Project**") (the "**Option**").

Following the receipt of extremely encouraging results from preliminary testing of approx. 200kg of garnetiferous material (Refer PR1 ASX Release 16 Oct 2024), Pure has expedited a second round of metallurgical testing to be completed on 3 tonnes of stockpiled garnetiferous material.

The second phase of extensive metallurgical testing is aimed at determining the methodology and potential for generating a range of commercially viable garnet products, with samples of the product to be delivered to buyers across established markets in Australia, USA and Asia.

**Pure's Executive Chairman, Mr Patric Glovac, commented:**

*"Following the highly encouraging results from simple first pass test work, we have expedited the second phase of testing to determine the process methodology and potential for generating a range of commercially viable garnet products. We are excited*

to continue testwork and believe we can achieve the commercial grades required to underpin a profitable business.

*"In unison, we are progressing an early-stage economic assessment of the Project and the results of this testwork will be critical in establishing product specifications and the industrial applications of our product. The product generated from this round of test work will be delivered to buyers across established markets in Australia, USA and Asia for application in jet cutting, abrasive blasting, water filtration, bonded abrasives and concrete aggregates, to name a few.*

*"The Reedy Creek Garnet Project represents a very unique, high-quality, hard rock garnet project and has the potential to be one of only three commercially viable hard rock garnet mines in the world. With the Project being situated on a granted mining lease, we are confident of rapidly progressing the project through feasibility and mining studies with a view to becoming the next Australian garnet producer and one of the few hard-rock garnet producers."*

### **Exploration Update and Next Steps**

The Company has collected and delivered approx. 3 tonnes of garnetiferous material to Nagrom Laboratories to undergo further metallurgical test work. Due to the much larger sample size from the previous 200kg sample, the scope of works will be expanded substantially to accommodate a variety of additional and complimentary tests. The aim of this phase of test work is to determine the methodology for generating a range of commercially viable garnet products.

This work will comprise the following:

- Mineralogical studies confirming garnet liberation and mineral associations;
- Pre-concentration and comminution studies including but not limited to ore sorting;
- Optimum grind size and liberation investigations;
- Further investigations into downstream processing using magnetic separation equipment including Rare Earth Rolls Magnetic Separation; and
- Ongoing resource definition and material characterisation work to understand the lateral and vertical variation within the ore body.

The results of this phase of metallurgical testing will give the Company a greater understanding of the baseline characteristics and performance criteria of the garnetiferous material. Product extracted from the Phase 2 test work will be delivered to buyers across established markets in Australia, USA and Asia for product performance testing and technical quality studies.

Garnet has a wide range of industrial applications and is used extensively in jet cutting, abrasive blasting, water filtration, bonded abrasives and concrete aggregates to name a few.

In unison, the Company is advancing process design and preliminary economic studies with a view to becoming the only Australian hard-rock garnet producer to satisfy the demand across the Asian markets.

## The Reedy Creek Garnet Project

The Reedy Creek Garnet Project represents a high-grade industrial garnet deposit located 90km north of Halls Creek, situated adjacent to the Great Northern Highway and established infrastructure. The Wyndham port is approximately 280km by road (Figure 3). The mapped garnet skarn sits within a granted mining lease (M80/416) and outcrops over a strike length of ~5 km with significant potential for resource growth outside of current drilling extents. Historical drilling and mapping have identified multiple lenses of garnet, of variable thickness and are hosted within a thick marble horizon.

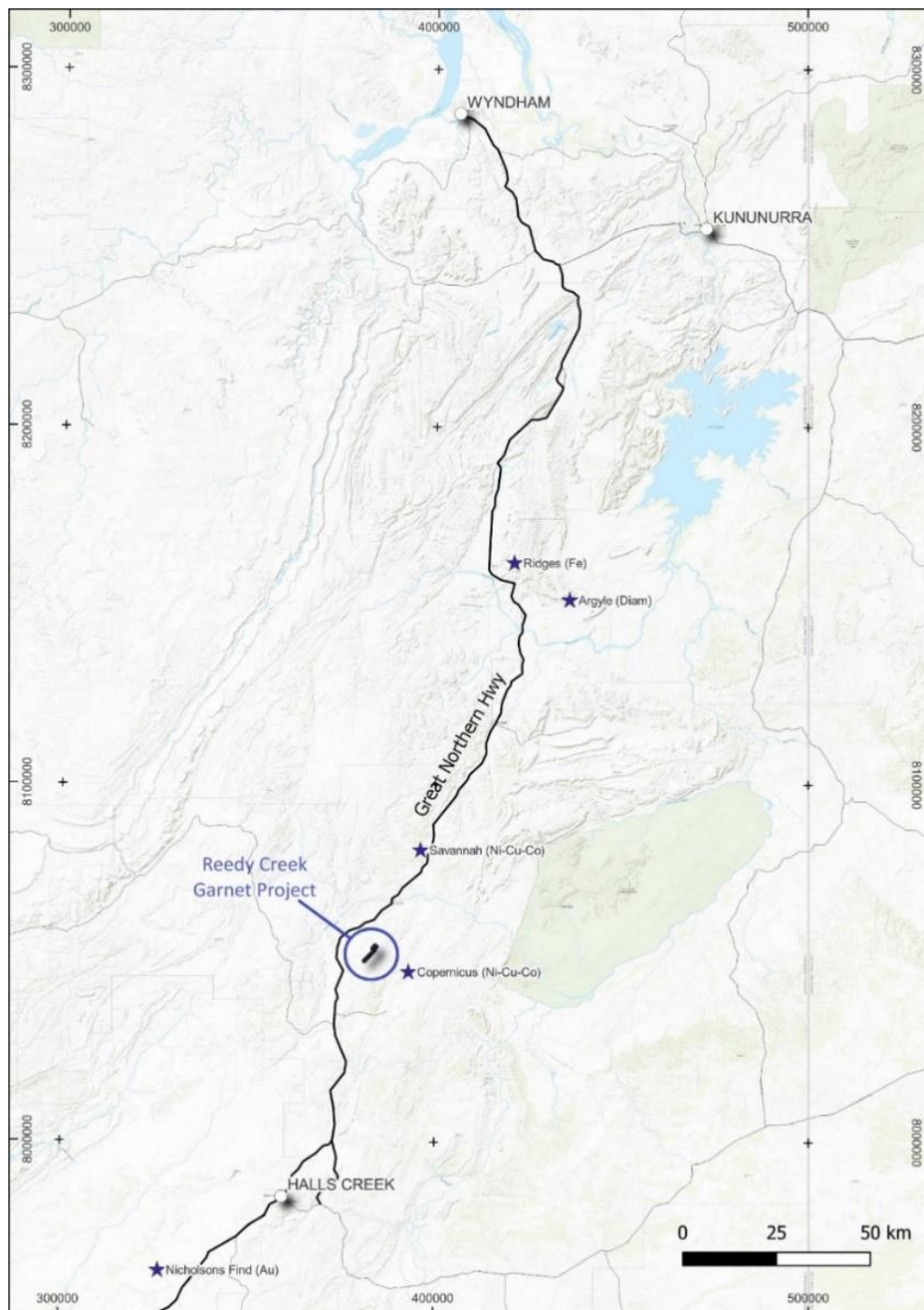


Figure 1: Location of the Reedy Creek Garnet Project

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This announcement is approved for release by the Board of Pure Resources Limited.

Mr Patric Glovac  
Executive Chairman  
**Pure Resources Limited**

**About Pure Resources**

Pure's vision is to become an eminent battery metal focussed company on the ASX, either through its existing portfolio of nickel and copper assets, generation of new projects, or acquisitions of existing projects presented to the Company with a strong determination to add Lithium, Rare Earths or Graphite to the company's portfolio.

**Competent Persons Statement**

The information in this report which relates to Exploration Results is based on information compiled by Dr. James Warren, a Competent Person who is a member of the Australian Institute of Geoscientists. Dr. Warren is a Non-Executive Director of Pure Resources Limited. Dr. Warren has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves". Dr. Warren consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.