

Reedy Creek - Garnet and Graphite Update Downstream, REE and Thermal Management Initiatives

Highlights

- Following the release of a successful Feasibility Study released by Green Critical Minerals Ltd (ASX:GCM) on their 80% owned McIntosh Graphite project 32.6Mt grading 4.25% TGC that surrounds the Reedy Creek Garnet and Graphite Project, the Company has commenced a review of the graphite potential present at Reedy Creek which sits on a granted mining lease.
- **Investigations have commenced to source:**
 - US focussed technology to assist in extracting Rare Earth Elements (**REE**) from industrial garnet.
 - Mine to market downstream opportunity and entering the US Market: Pure Resources has commenced discussions with suppliers of the thermal management sector, including those focused on heat sinks and weapons cooling.
- **Strategic U.S. collaboration initiated:**
 - Across several institutions and Department of Energy (**DoE**) funded academic institutions.
 - Strong focus on downstream alignment and mining technologies.
 - R&D engagement underway for technologies complimentary to Pure's Graphite and Garnet assets.
- **The Graphite review will focus specifically on:**
 - **Confirmation of Graphite Mineralisation:** The review will focus on any historical drilling at Garnet Hills that have intersected graphite schist units, which may confirm the presence of a prospective graphite horizon.
 - **Untested VTEM Conductors:** Assessment of historical VTEM data to identify any untested conductors across the lease, with the objective of highlighting upside potential for further graphite exploration and resource expansion.
- **High-Quality Garnet Skarn:** Mapping of garnet skarn horizons has identified a 3.3km¹ strike length, Metallurgical testing is currently underway, with concentrate samples being prepared for shipment to end users to confirm suitability for abrasive blasting, waterjet cutting, and filtration applications.
- **Strategic Infrastructure:** The granted Mining Lease M80/416 has direct proximity to the Copernicus haul road, providing potential for streamlined development and the establishment of a strategically located processing hub.
- **Multi Commodity Potential:** Garnet Hills provides a rare opportunity to develop two critical industrial minerals - battery-grade graphite and premium garnet, from the same mining lease, positioning Pure Resources for diversified future revenues.

¹ Refer ASX Announcement - Extends Outcropping Garnet Trend to 3.3km on Mining Lease – 11 December 2024

Pure Resources Limited (ASX:PR1) (“Pure” or “Company”) is pleased to update shareholders on the upgraded potential at its Garnet Hills Garnet and Graphite project, implementing initiatives to maximise shareholder value via downstream processing and gaining exposure to end use supply chains in the thermal management sector.

Pure Resources Managing Director, Mr Patric Glovac, commented:

"The Garnet Hills Project is uniquely positioned to serve the growing demand for high-specification industrial minerals, particularly in the US's thermal management and defense sectors. The combination of a granted mining lease, strategic infrastructure and a dual commodity focus provides a tremendous platform to unlock downstream value.

"With our initiatives to build US partnerships and enhance our technology pathways, Pure Resources is setting its sights on becoming a globally competitive, ESG-aligned supplier of critical minerals including technologies focused on the extraction of REE from Industrial garnet.

"This is an exciting chapter for our Company, and we look forward to updating shareholders as we progress our strategy."

Strategic Rationale - Downstream and USA-Focused Growth

Pure Resources recognises that simply mining critical minerals is no longer enough and global industries, particularly in defence and electronics, are demanding secure, high-quality feedstock with demonstrated ESG credentials and strong downstream pathways.

By positioning Garnet Hills as a multi-critical minerals platform with strong ties to the USA REE and thermal management and weapons cooling market, Pure Resources aims to maximise shareholder value, diversify revenue, and future-proof its operations in a rapidly evolving market.

The Company's initiatives will directly support:

- Securing Tier-1 end users in the United States **including Data Centres and the Defence Sector**
- Creating opportunities for premium product pricing through pre-qualified downstream supply chains
- Embedding ESG-aligned critical mineral processing solutions with US technology partners
- De-risking production with a multi-pronged market entry approach
- Mine to market approach, ensuring the company receives the added value at each stage of the process, from concentrate to downstreaming to additional value add products.

Pathway to Creating a Dual-Critical Minerals Hub

The Reedy Creek Project represents a rare and valuable platform: a granted mining lease, surrounded by Australia's fourth largest graphite project at McIntosh, with additional garnet and potential REE opportunities to be assessed through technology partnerships all underpinned by established infrastructure and a supportive pro-development jurisdiction.

With the thermal management market in the USA surging, the Company's strategic focus on downstream collaborations, product qualification, and technology partnerships will accelerate its path to becoming a tier-1 supplier of critical industrial minerals.

Pure Resources is committed to building a modern, multi-dimensional industrial minerals business, supplying high-value materials for advanced technology applications in the United States and beyond.

The growing need for secure, ESG-aligned supply chains has never been clearer, and Pure Resources intends to leverage Garnet Hills to power the next generation of thermal management, weapons systems, and industrial processes.

Next Steps

- Nearing completion of metallurgical test work of its high-quality garnet to dispatch to potential industrial offtake partners
- Formalising agreements with strategic US collaborators and academic research programs for downstream opportunities.
- Leveraging US technology via continuing discussions with institutions and academic partners to enter the thermal management sectors, namely servicing data centres (heat sinks) and weapons cooling (Military).
- Actively scoping opportunities to extract Rare Earth Elements (REE's) from industrial garnet streams, leveraging US technology providers.
- Finalise review of the graphite potential at Reedy Creek, targeting graphite-bearing conductors to define resource scale and quality.

- End -

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.

Forward Looking Statements

Statements contained in this release, particularly those regarding possible or assumed future performance, costs, dividends, production levels or rates, prices, resources, reserves or potential growth of Pure Resources, are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors.

Competent Persons Statement

The information in this announcement that relates to exploration results at the Garnett Hill Project were reported by the Company in accordance with listing rule 5.7 on 11 December 2024. In accordance with Listing Rule 5.23, the Company confirms it is not aware of any new information or data that materially affects the information included in the original announcements