



Heavy Minerals

L I M I T E D



ASX : HVY

Investor Presentation | October 2023

Andrew Taplin – **Chief Executive Officer**

RESOURCE CONNECT
ASIA

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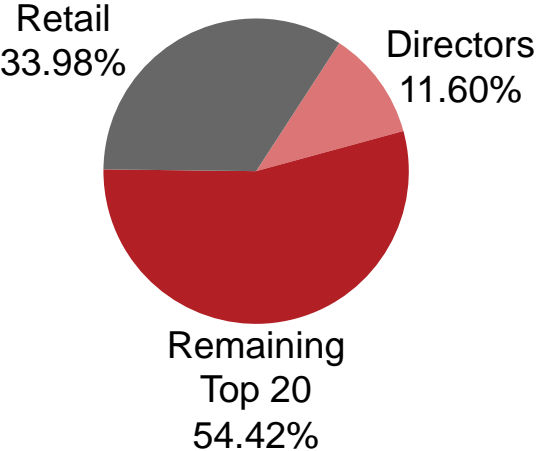
Competent Person Statement

The information in this presentation that relates to Exploration Results, Exploration Targets and Mineral Resource estimates is based on and fairly represents information and supporting documentation prepared by Mr. Greg Jones (FAusIMM) who is a Non-Executive Director for Heavy Minerals Limited. Mr. Jones is a Fellow of the Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being reported on to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Jones has reviewed this report and consents to the inclusion in the report of the matters in the form and context with which it appears.

The information in this presentation that relates to the following: Production Targets, Processing, Infrastructure, Capital requirements and Operating Costs as announced 12 September 2022, Metallurgy as announced 15 August 2022, Mineral Resource Estimate (Port Gregory) as announced 10 July 2023, Exploration Results (Redhill) as announced 4 May 2023, Mineral Resource Estimate (Inhambane) as announced 6 December 2021 is available to view at www.heavyminerals.com.

The Company confirms that a) it is not aware of any new information or data that materially affects the information included in these announcements; b) all material assumptions included in these announcements continue to apply and have not materially changed; and c) the form and context in which the relevant Competent Persons' findings are presented in this presentation have not been materially changed from the announcements.

Capital Structure²



ASX CODE
HVY

SHARES ON ISSUE²
57.6M

SHARE PRICE²
\$0.12

MARKET CAP²
\$6.91M

CASH¹
\$0.320M

DEBT²
nil

Position	Holder Name	Shares	% IC
1	MR KENNETH JOSEPH HALL <HALL PARK A/C>	6,400,000	11.88%
2	BNP PARIBAS NOMINEES PTY LTD	5,308,795	9.85%
3	CHRISTOPHER ADAM SCHOFIELD	4,170,323	7.74%
4	GLENN SIMPSON & KERRY SIMPSON <SIMPSON FAMILY S/F A/C>	3,463,445	6.43%
5	GNJ CONSULTING PTY LTD <GNJ CONSULTING A/C>	2,079,078	3.86%
6	MRS AMBER LESLEY MASTRANGELI	1,841,724	3.42%
7	ROBERT ANDREW JEWSON	1,403,870	2.61%
8	FOSTER STOCKBROKING NOMINEES PTY LTD <NO 1 ACCOUNT>	1,250,000	2.32%
9	PETER ROMEO GIANNI	1,125,000	2.09%
10	NEIL GAWTHORPE	978,925	1.82%
Total Top 20		35,567,683	66.02%
Total Issued Capital		53,873,665	100.00%



¹ at 30th June 2023, ² at 3rd October 2023

Heavy Minerals Limited (ASX:HVV)

Heavy Minerals Limited (HVV) is an Industrial Minerals Developer and Explorer with Projects adjacent to world class deposits in pro-mining jurisdictions

- Western Australia – Port Gregory Project: JORC Mineral Resource 166 MT @ 4.0% THM containing [5.9 Mt Contained Garnet]¹. 126 Mt @ 3.8% THM in Measured (71% of the resource). Leases contiguous with GMA mine which supplies approximately 35% of global Almandine Garnet² and adjacent to the recently developed RDG mine also producing Almandine Garnet
- Western Australia – Red Hill Project: Exploration Target³ defined with 90 to 150 Mt of material @ 5.4% to 4.1% THM using cutoff grades of 3 to 1% THM. Close proximity to GMA and RDG (<10km)
- Mozambique – Inhambane Project: JORC Inferred Mineral Resource of 90 Mt @ 3% THM⁴ - Adjacent to Rio Tinto's mineral sands projects



**Industrial
Garnet**



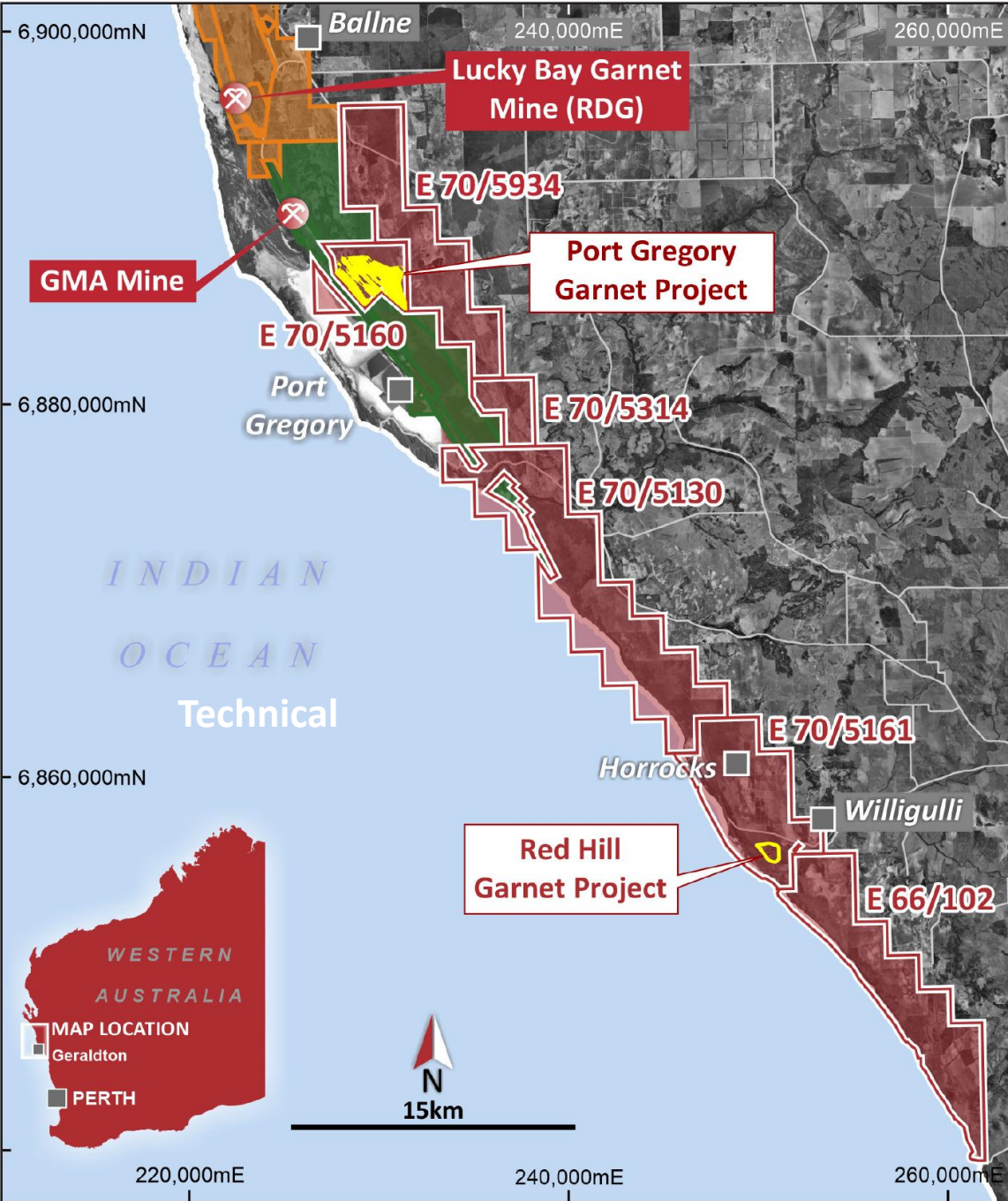
Zircon



**Titanium
Dioxide**

The Port Gregory Garnet Project

Finance	Low Capex – \$110m NPV ₈ - \$253m ¹ Payback 4.2 years IRR - 33% ² FCF - \$588m ³
Funding	Atradius (Dutch Sovereign Wealth Fund) Letter of Support for project funding Export Finance Australia engagement
Technical	Proven and simple mining & processing Rapid project development & future scale up Pre-Feasibility Study Launched
ESG	Established mining locality – GMA & RDG Local and regional social consensus for development.
Market	Strong global market demand for Australian garnet – CAGR >7% to 2030. Target markets – USA, Middle East and South East Asia



1. After tax NPV₈ 2. After tax IRR 3. After tax FCF

What's Almandine Garnet?

Superior hardness (7.5 Mohs hardness)

- High quality surface finish
- High productivity
- Low abrasive consumption

ESG

- Low dust
- Inert – environmentally friendly with no hazardous by-products
- Recyclable (Almandine Garnet can be recycled several times)
- Minimal Health and Safety Risks (preferred abrasive to minimise WHS/OH&S risks)

Mining & Processing is as simple as it gets!

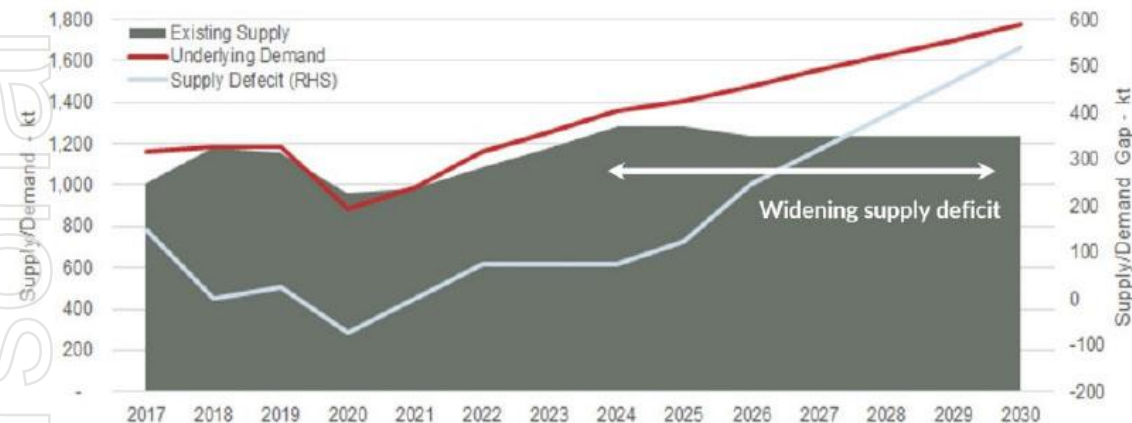


What is the Market Opportunity for Almandine Garnet?

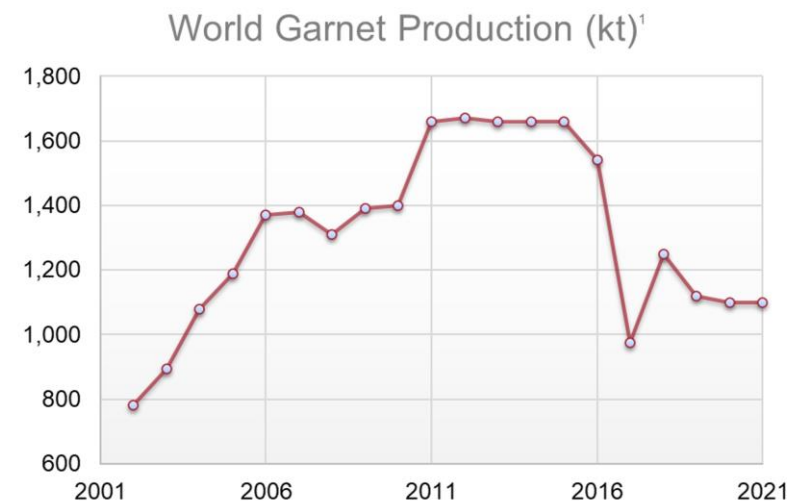
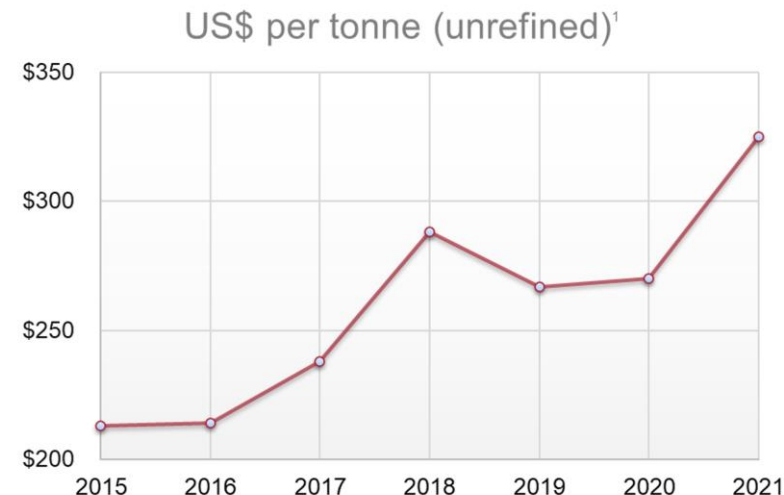
Garnet Market Analysis

- Indian, Australian and USA supply and production challenges have materially impacted global supply
- Geo-political USA-China tensions bode well for Australian suppliers
- Compound Annual Growth Rate for garnet forecast at >7%¹
- Heavy's planned production level will contribute <1% to the global blast media market and <10% to world garnet production in 2026 (first production scheduled 2027)
- Heightened regulatory pressure to reduce sand & slag consumption

Market research conducted by TZMI in 2021 highlighted a widening supply demand deficit. Industry players in the Port Gregory region have found that product has been accepted into the market with long term offtakes readily sourced.

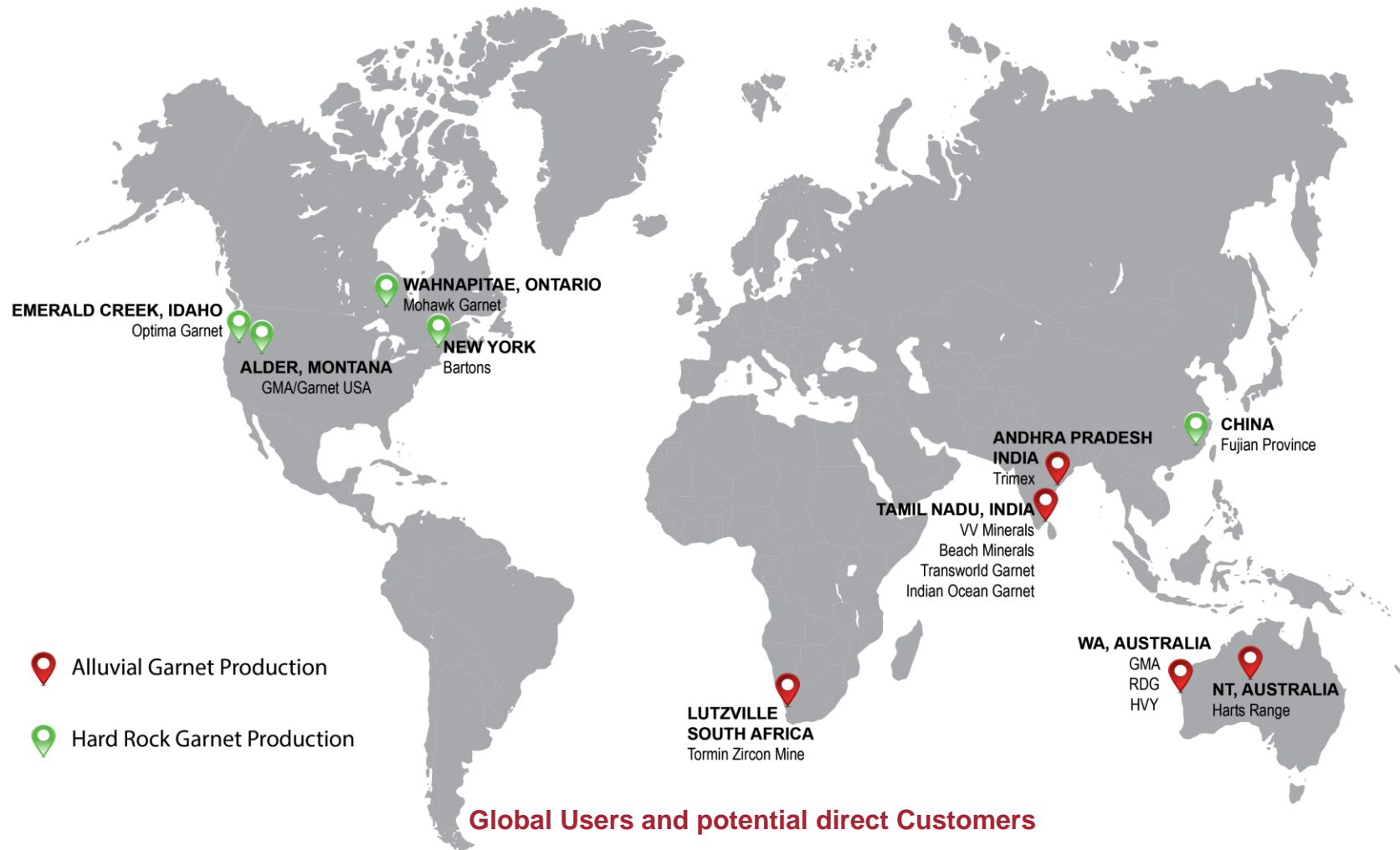


*Supply and Demand Fundamentals:
A story of global garnet supply coming
off and prices increasing*



1. TZMI Garnet Market Data (Project 11759) Jan 2021.

Competitor Analysis and Garnet End Users – Global Production



Blasting



ارامكو السعودية
Saudi Aramco



Water Jet

Summary

- Near term production anticipated from the Port Gregory Project (2026-2027)
- Strong overall financial metrics, especially FCF post tax expected following first production creating opportunities for further investment and early shareholder earnings
- Funding options for Port Gregory construction are already advancing including positive indications from Atradius and Export Finance Australia
- Strong indication of offtake opportunities that will be secured over the next 18 months
- Favourable garnet market conditions with CAGR >7% through to 2030. Growth opportunities beyond the current forecast as WHS and ESG regulations change





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