



**Heavy  
Minerals**  
LIMITED



ASX : HVY

Investor Presentation | June 2023  
Andrew Taplin – **Chief Executive Officer**



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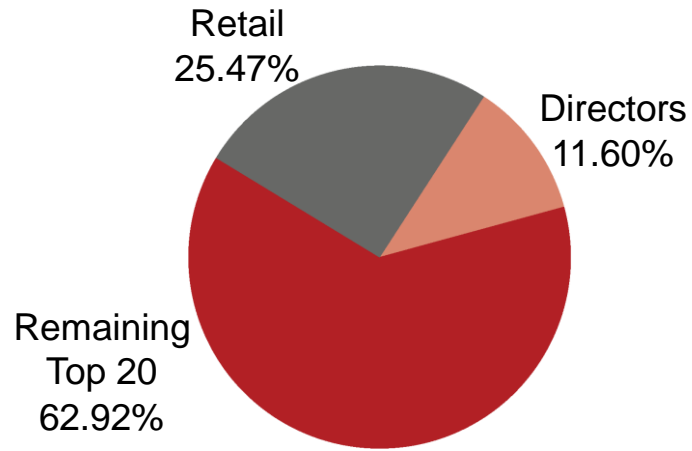
### Competent Person Statement

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 2 May 2022, Exploration Results (Redhill) as announced 26 April 2022, Mineral Resource Estimate (Inhambane) as announced 6 December 2021 is available to view at [www.heavyminerals.com](http://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 Structure<sup>2</sup>



<b>ASX CODE</b> HVY	<b>SHARES ON ISSUE<sup>2</sup></b> 53.8M	<b>MARKET CAP<sup>2</sup></b> \$5.38M
<b>CASH<sup>1</sup></b> \$0.892M	<b>DEBT<sup>2</sup></b> nil	<b>EV<sup>1</sup></b> \$7.19

Position	Holder Name	Shares	% IC
1	MR KENNETH JOSEPH HALL <HALL PARK A/C>	6,306,459	11.71%
2	BNP PARIBAS NOMINEES PTY LTD	5,940,637	11.03%
3	CHRISTOPHER ADAM SCHOFIELD	4,170,323	7.74%
4	J P MORGAN NOMINEES AUSTRALIA PTY LIMITED	3,641,561	6.76%
5	GLENN SIMPSON & KERRY SIMPSON <SIMPSON FAMILY S/F A/C>	3,463,445	6.43%
6	GNJ CONSULTING PTY LTD <GNJ CONSULTING A/C>	2,079,078	3.86%
7	MRS AMBER LESLEY MASTRANGELI	1,841,724	3.42%
8	MAURICE DOMINIC MATICH	1,425,000	2.65%
9	ROBERT ANDREW JEWSON	1,403,870	2.61%
10	PETER ROMEO GIANNI	1,125,000	2.09%
<b>Total Top 20</b>		<b>40,146,731</b>	<b>74.52%</b>
<b>Total Issued Capital - selected security class(es)</b>			<b>100.00%</b>



<sup>1</sup>At 31<sup>st</sup> March 2023, <sup>2</sup>At 19<sup>th</sup> June 2023

## Heavy Minerals Limited (ASX:HVY)

Heavy Minerals Limited (HVY) 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 135 MT @ 4.0% THM containing [4.9 Mt Contained Garnet]<sup>1</sup>. Leases contiguous with GMA mine which supplies 35% of global Almandine Garnet<sup>2</sup> and adjacent to the recently developed RDG mine also producing Almandine Garnet
- Western Australia – Red Hill Project: Exploration Target<sup>3</sup> defined with 90 to 150mt 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% THM<sup>4</sup> - Adjacent to Rio Tinto's mineral sands projects



**Industrial  
Garnet**



**Zircon**

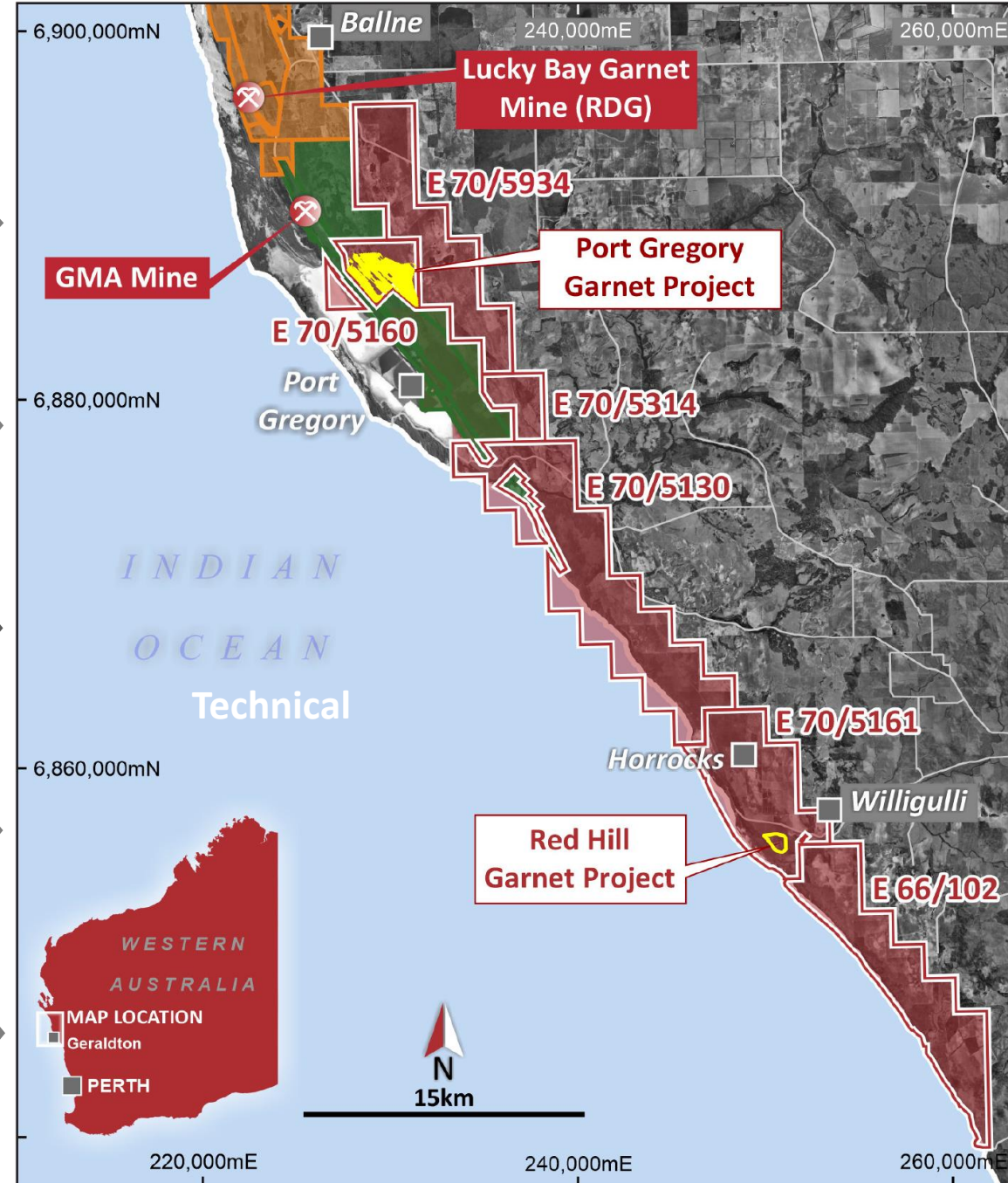


**Titanium  
Dioxide**

# The Port Gregory Garnet Project

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

1. After tax NPV<sub>8</sub> 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!

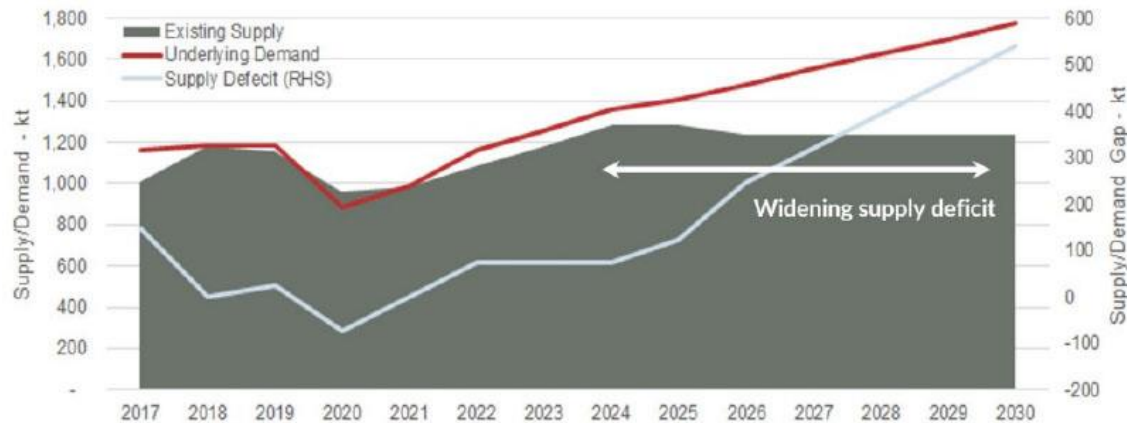


# What is the Market Opportunity for Almandine Garnet?

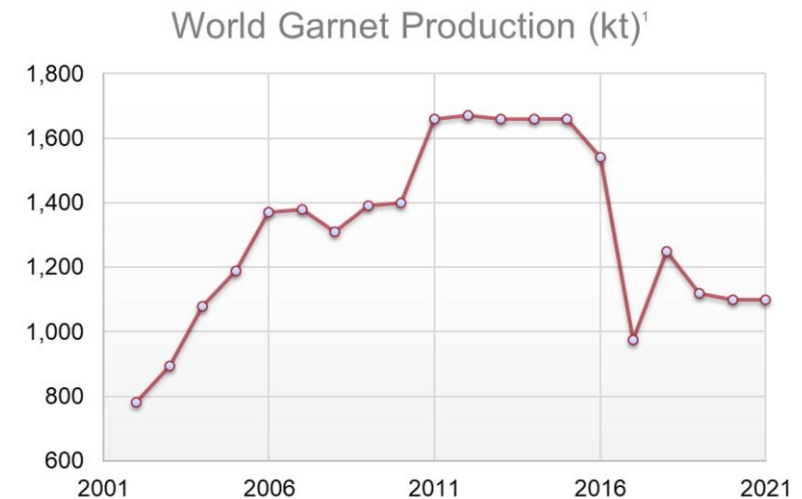
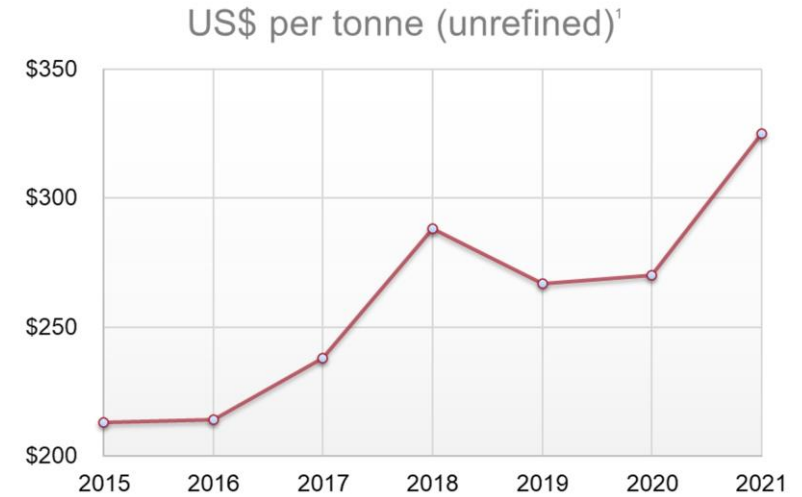
## Garnet Market Analysis

- 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%<sup>1</sup>
- 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.

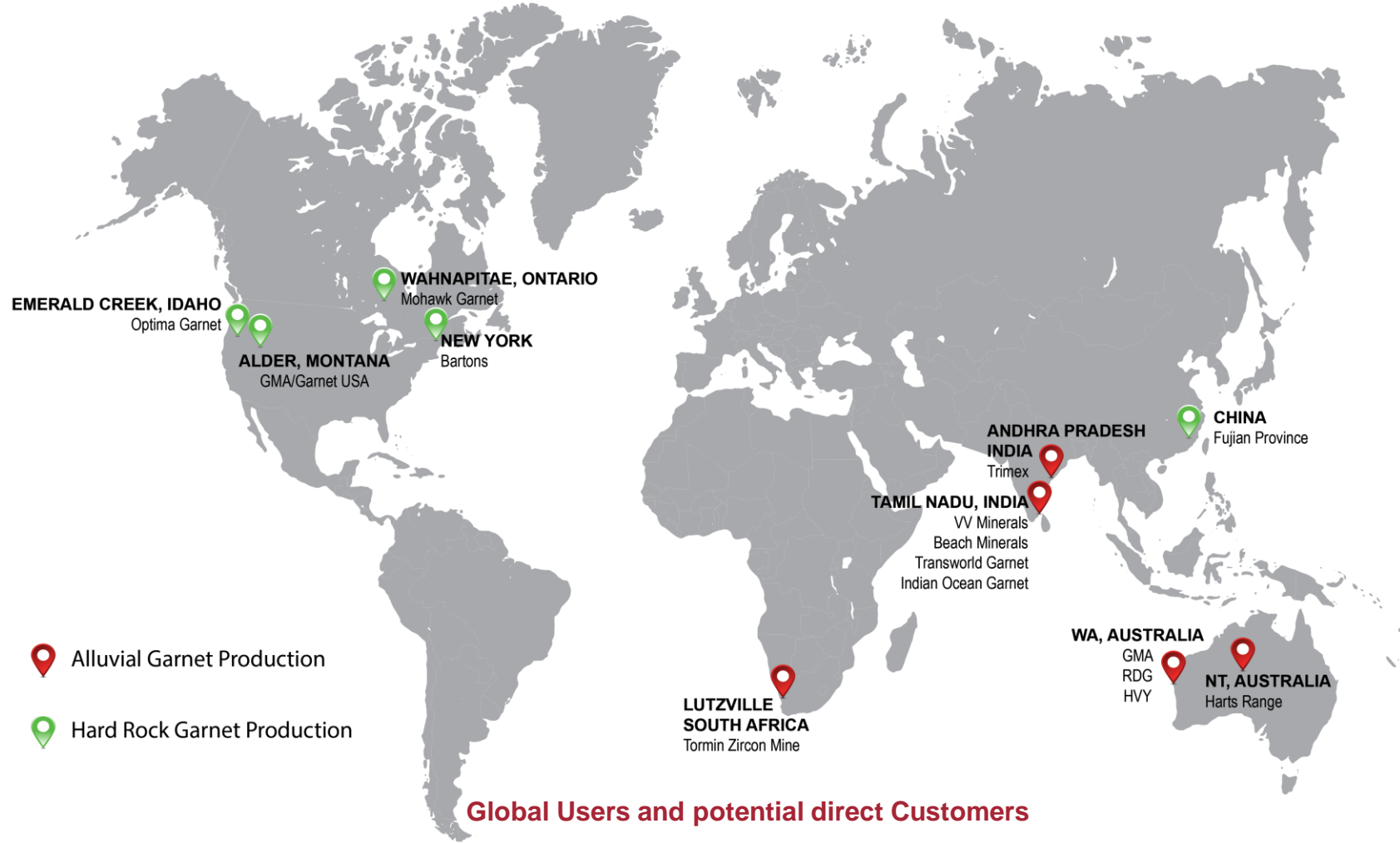


## Supply and Demand Fundamentals: A story of global garnet supply coming off and prices increasing



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

# Competitor Analysis and Garnet End Users – Global Production



## Blasting



## Water Jet





## Summary

- Near term production anticipated from the Port Gregory Project (2026)
- Strong overall financial metrics, especially FCF post tax expected 2027 creating opportunities for further investment and early shareholder earnings
- Funding options for Port Gregory construction are already advancing including positive indications from Atradius and Australian Export Finance
- 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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