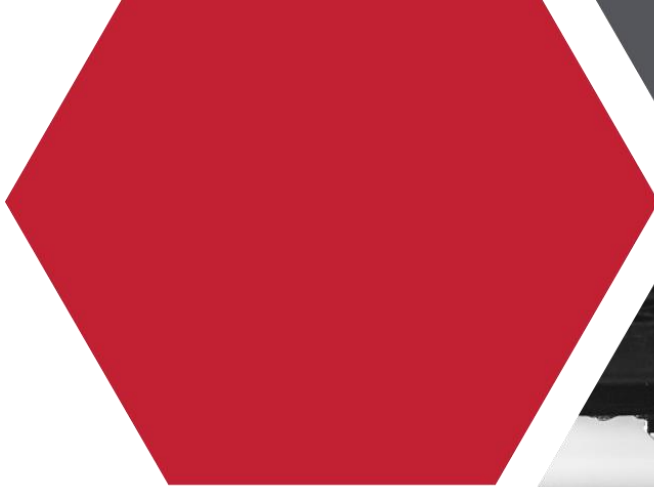


ersonal use only



# Heavy Minerals

L I M I T E D



ASX : HVY

Investor Presentation | October 2023

Andrew Taplin – Chief Executive Officer

**RESOURCE CONNECT**  
ASIA

## Important Notice:

This presentation has been prepared by Heavy Minerals Limited and its related entities (the "Company"). It does not purport to contain all the information that a prospective investor may require in connection with any potential investment in the Company. You should not treat the contents of this presentation, or any information provided in connection with it, as financial advice, financial product advice or advice relating to legal, taxation or investment matters.

No representation or warranty (whether express or implied) is made by the Company or any of its officers, advisers, agents or employees as to the accuracy, completeness or reasonableness of the information, statements, opinions or matters (express or implied) arising out of, contained in or derived from this presentation or provided in connection with it, or any omission from this presentation, nor as to the attainability of any estimates, forecasts or projections set out in this presentation.

This presentation is provided expressly on the basis that you will carry out your own independent inquiries into the matters contained in the presentation and make your own independent decisions about the affairs, financial position or prospects of the Company. The Company reserves the right to update, amend or supplement the information at any time in its absolute discretion (without incurring any obligation to do so).

Neither the Company, nor its related bodies corporate, officers, their advisers, agents and employees accept any responsibility or liability to you or to any other person or entity arising out of this presentation including pursuant to the general law (whether for negligence, under statute or otherwise), or under the Australian Securities and Investments Commission Act 2001, Corporations Act 2001, Competition and Consumer Act 2010 or any corresponding provision of any Australian state or territory legislation (or the law of any similar legislation in any other jurisdiction), or similar provision under any applicable law. Any such responsibility or liability is, to the maximum extent permitted by law, expressly disclaimed and excluded.

Nothing in this material should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities. It does not include all available information and should not be used in isolation as a basis to invest in the Company.

Forward looking statements: this Presentation contains reference to certain intentions, expectations, future plans, strategy and prospects of the Company. Those intentions, expectations, future plans, strategy and prospects may or may not be achieved. They are based on certain assumptions, which may not be met or on which views may differ and may be affected by known and unknown risks. The performance and operations of the Company may be influenced by a number of factors, many of which are outside the control of the Company. No representation or warranty, express or implied, is made by the Company, or any of its directors, officers, employees, advisers or agents that any intentions, expectations or plans will be achieved either totally or partially or that any particular rate of return will be achieved. Given the risks and uncertainties that may cause the Company's actual future results, performance or achievements to be materially different from those expected, planned or intended, recipients should not place undue reliance on these intentions, expectations, future plans, strategy and prospects. The Company does not warrant or represent that the actual results, performance or achievements will be as expected, planned or intended.

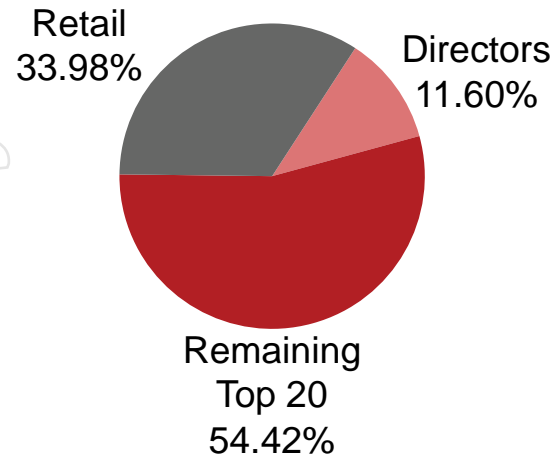
### Competent Person Statement

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](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>



**ASX CODE**  
HVY

**SHARES ON ISSUE<sup>2</sup>**  
57.6M

**SHARE PRICE<sup>2</sup>**  
\$0.12

**MARKET CAP<sup>2</sup>**  
\$6.91M

**CASH<sup>1</sup>**  
\$0.320M

**DEBT<sup>2</sup>**  
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%
<b>Total Top 20</b>		<b>35,567,683</b>	<b>66.02%</b>
<b>Total Issued Capital</b>		<b>53,873,665</b>	<b>100.00%</b>



<sup>1</sup> at 30<sup>th</sup> June 2023, <sup>2</sup> at 3<sup>rd</sup> 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]<sup>1</sup>. 126 Mt @ 3.8% THM in Measured (71% of the resource). Leases contiguous with GMA mine which supplies approximately 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 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% THM<sup>4</sup> - Adjacent to Rio Tinto's mineral sands projects



**Industrial  
Garnet**



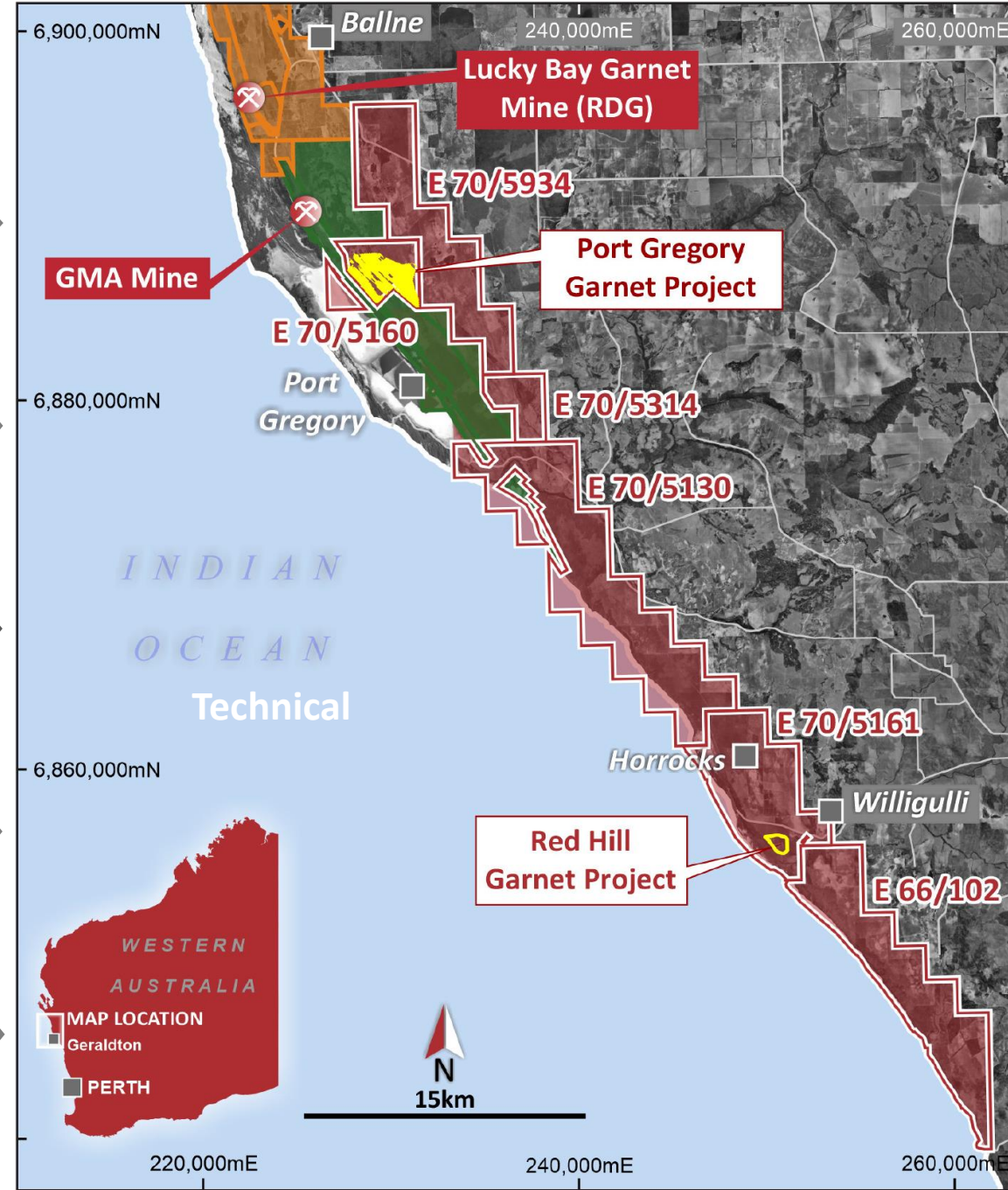
**Zircon**



**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 Pre-Feasibility Study Launched
<b>ESG</b>	Established mining locality – GMA & RDG Local and regional social consensus for development.
<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!

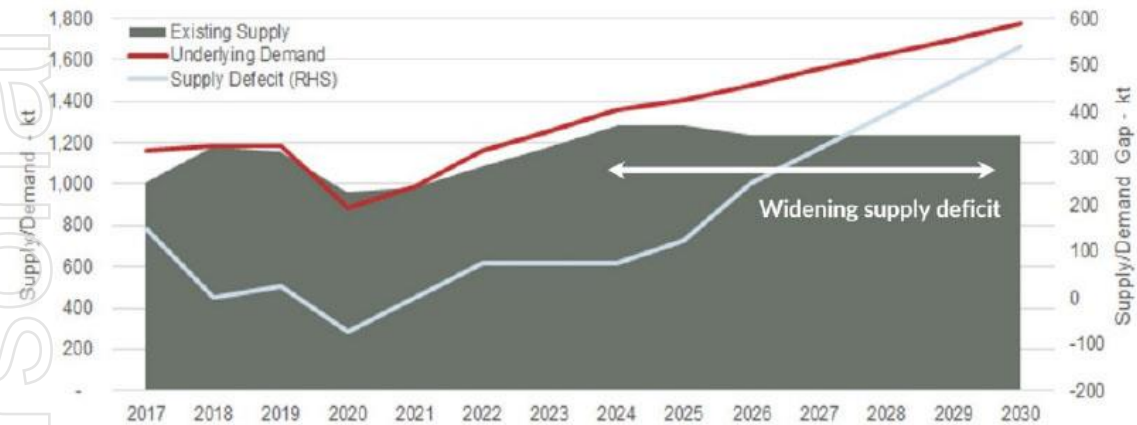


# What is the Market Opportunity for Almandine Garnet?

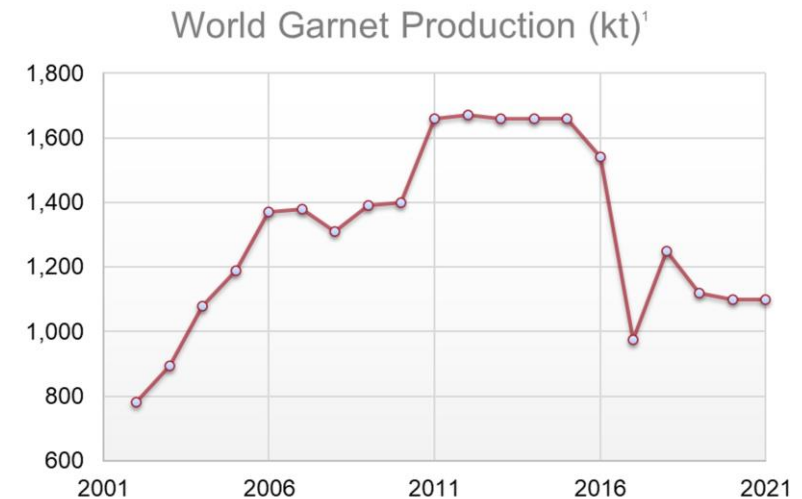
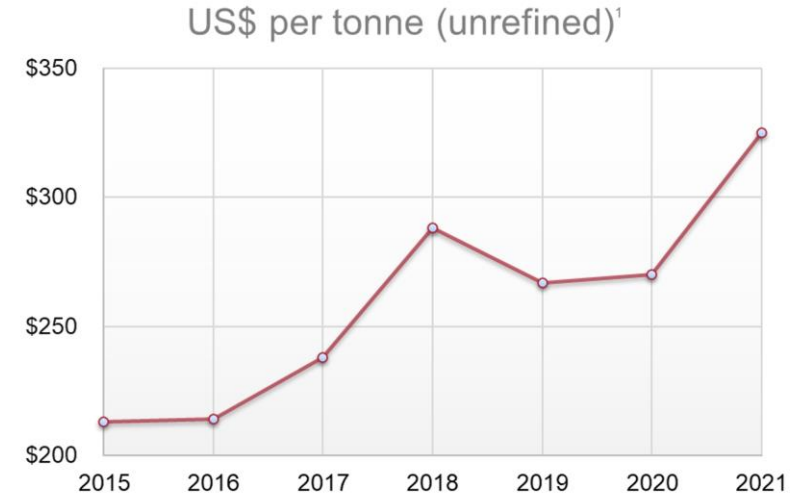
## Garnet Market Analysis

- 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.

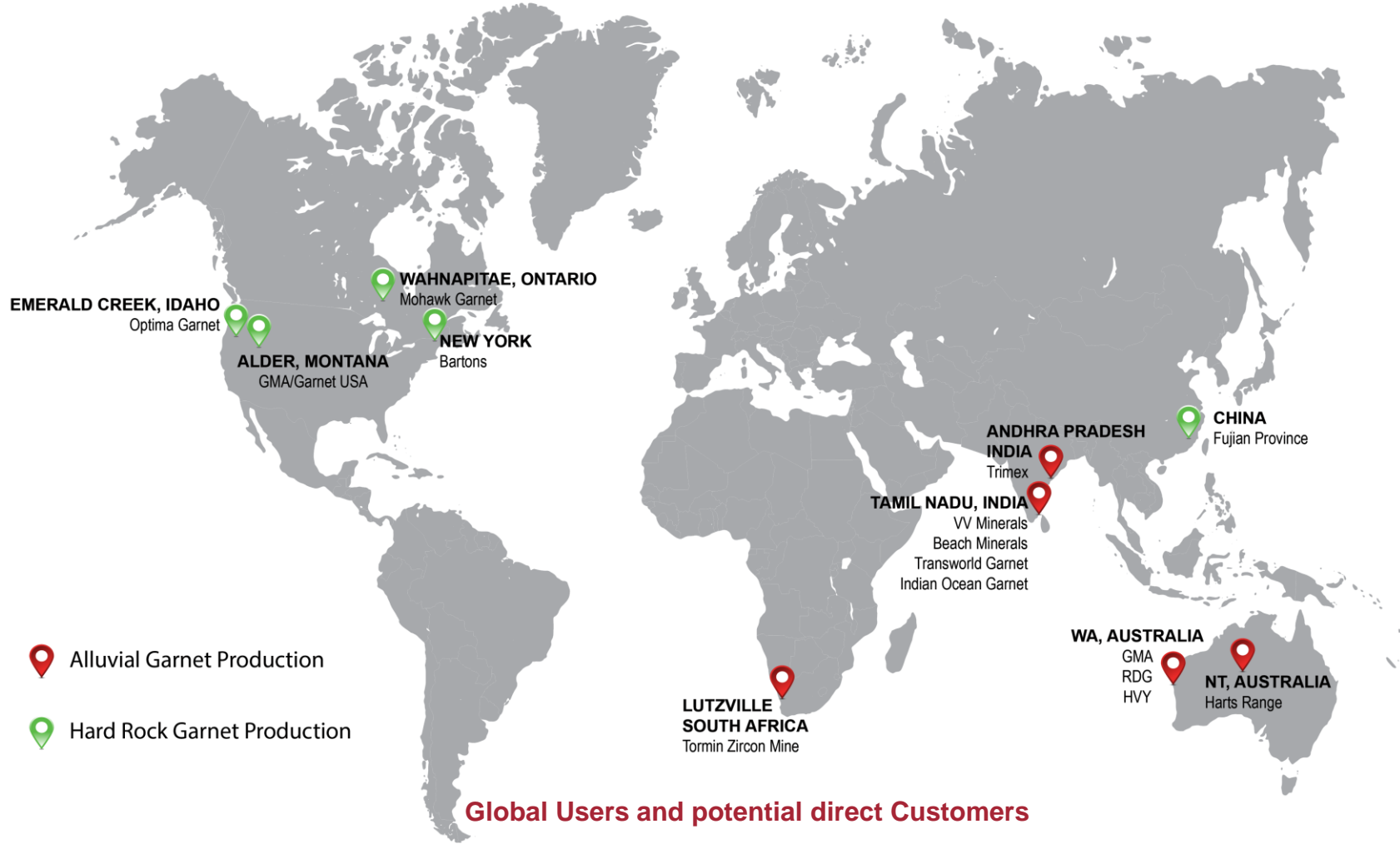


## Supply and Demand Fundamentals: A story of global garnet supply coming off and prices increasing



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 (2026-2027)
- 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



ersonal use only



Registered Office:

Level 8, London House  
216 St Georges Terrace  
Perth Western Australia 6000

**Phone:** (08) 9481 0389

**Email:** [info@heavyminerals.com](mailto:info@heavyminerals.com)

**[www.heavyminerals.com](http://www.heavyminerals.com)**