



**BROKEN HILL
MINES**

Investor Presentation

February 2025

Rasp & Pinnacles Ag-Pb-Zn Mines

Consolidating one of Australia's great mining jurisdictions

KLINGSTUBBINS

Important Notice & Disclaimer



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Summary information

This presentation has been prepared by Coolabah Metals Limited (to be renamed 'Broken Hill Mines Ltd') (Coolabah, BHM or the Company) relating to the acquisition and development of the Rasp Mine and commercial transaction over the Pinnacles Mine in Broken Hill, NSW (the Project). The issue of this presentation is intended only for the person or entity to which it has been transmitted (Recipient).

Not a disclosure document

The purpose of this presentation is to provide general information about the Company and Project mentioned herein only. This presentation is not a disclosure document for the purpose of Chapter 6D of the Corporations Act 2001 (Cth) (Corporations Act) and does not purport to include the information required of such a disclosure document. It has not been approved by any regulatory authority such as the Australian Securities and Investments Commission or the Australian Securities Exchange.

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The Company (and each of its Related Entities) has not authorised any person to give any information or make any representation in connection with any proposed offer of securities. A prospective investor cannot rely upon any information or representations not contained in this presentation.

JORC Disclosure

The mineral resources, exploration target and exploration results in this Presentation have been estimated in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the 'JORC Code'). Full details will be contained in the Prospectus to be lodged by the Company in connection with its capital raising and ASX listing. The information in this announcement that relates to Mineral Resources was first disclosed on 17 September 2024. The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant market announcement and confirms that the technical parameters and material assumptions underpinning the estimates continue to apply and have not materially changed.

Exploration Targets

The potential quantity and grade of Exploration Targets are conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource, and it is uncertain if further exploration will result in the estimation of a Mineral Resource. The Exploration Target is derived from historical drilling which enabled extrapolation of the mineralised domains (Main Lead Lode and Immediate Footwall Zinc Lode only) beyond the limits of the Inferred Resource. This extrapolation is based on the latest geological modelling with an estimation of a potential grade range sourced from all the drilling data for the lode intersections. The Company intends to commence near mine exploration shortly after completion of the public offer, which will focus on extending the down dip and along strike extensions of the known deposit with the view to convert the Exploration Target into a Mineral Resource.

Upcoming Public Offer

For the purposes of section 734(5)(b) of the Corporations Act, the Company notes the following:

- the Company intends to conduct a public offer to raise between A\$3 million and A\$4 million by an issue of ordinary shares under a prospectus;
- the prospectus will be made available when the shares are offered;
- anyone who wants to acquire shares under the public offer will need to complete an application form that will be in or will accompany the public offer prospectus (Prospectus); and
- a copy of the Prospectus will be available on the Company's website (<https://coolabahmetals.com.au/>) or from the Company's registered office.

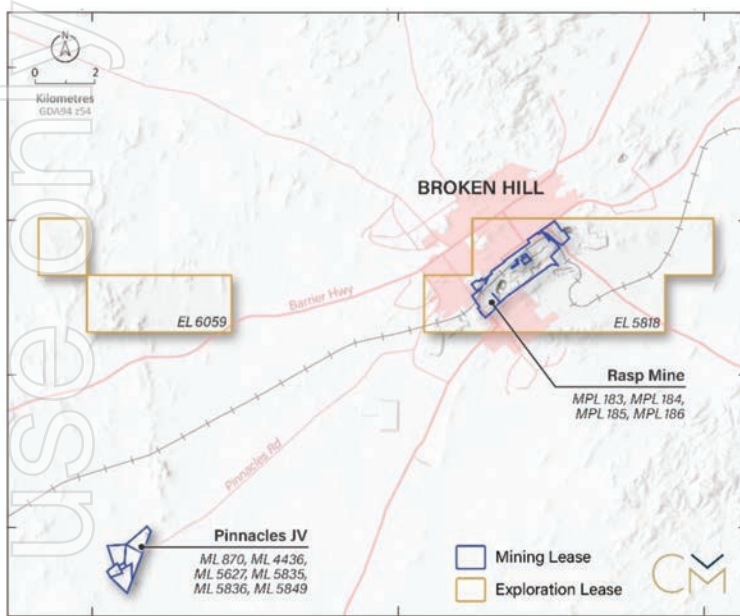
Broken Hill Mines Strategy

Consolidating operational Rasp Mine infrastructure with Pinnacles Mine mineral resource base

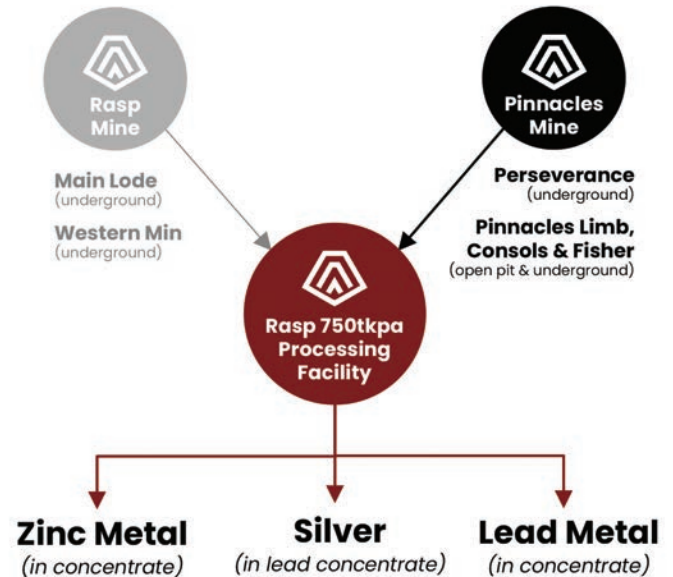


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Broken Hill Tenement Map



Consolidation of Rasp & Pinnacles Mines



Capital Structure

Broken Hill Mines Pty Ltd is undertaking a public listing via the reverse takeover of ASX-listed Coolabah Metals Limited



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Proposed ASX Code	BHM
Equity	~243m & ~97m Shares on issue post listing ¹ Options ¹
Cash & Facilities	~A\$20m + ~A\$17m Cash & working capital facilities ² Fully cash-backed environmental bond
Valuation	~A\$48.5m Market capitalisation (at \$0.20 recompliance) ¹

¹ See Prospectus to be lodged in February 2025 for further details - inc. BHM Converting Note shares (25m), Recompliance raise shares (20m), Cash Conversion Consideration shares (20m), Facilitator shares (8.0m). Figures assume that the maximum subscription of A\$4,000,000 (before costs) is raised under the recompliance capital raising.

² See Prospectus to be lodged in February 2025 for further details - cash balances as at 31 December 2024 and includes drawn Zinc Offtake Facility (US\$6.0m).



The BHM founding management team has a track record in acquiring, developing, and operating world-class mature-life mines



Patrick Walta

Executive Chair

New Century Resources & Broken Hill Mines Co-Founder

Experience in M&A & large-scale Ag-Pb-Zn operations

Qualified metallurgist & mineral economist



Brent Walsh

Independent Non-Executive Director

Experienced executive across mining & financial sectors

Current GM of Strategy, Dev. & Projects at MMG Ltd

Qualifications in Finance & Mineral Exploration Geoscience



Mark Hine

Independent Non-Executive Director

35 years' experience in surface and underground mining

COO of Griffin Mining, Focus Minerals, Golden West Resources & Exec GM Mining at Macmahon

GM Pasminco (Broken Hill), CSA Cobar, Consolidated Rutile Ltd & Yilgarn Star



Steve Woodham

Non-Executive Director

30 years' experience in mining & exploration industry

Founding director Aurelia Metals, Centaurus Metals & LFB Resources (merged with Alkane Metals)

Multiple significant discoveries.

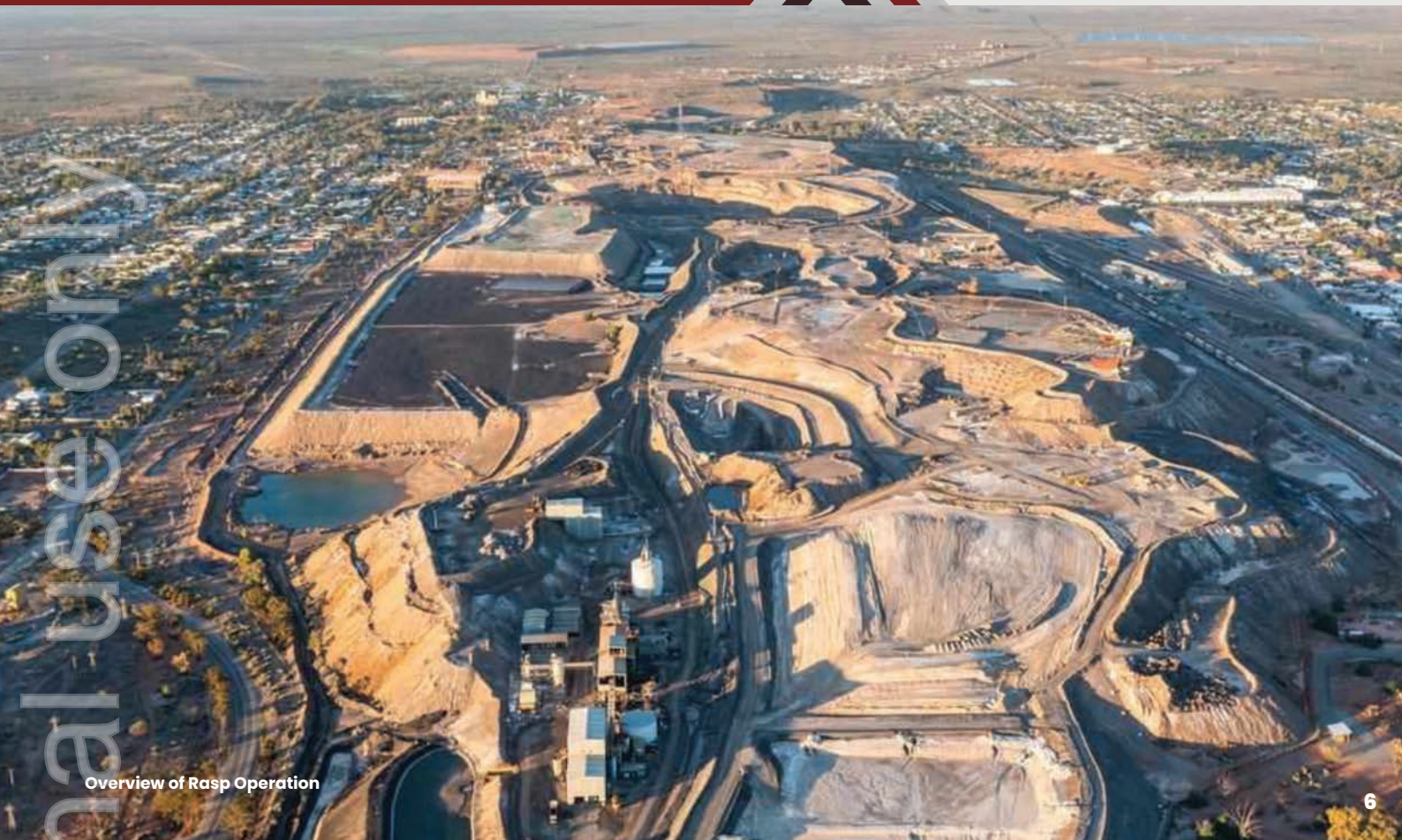
³ Proposed board subject to completion of public listing. See Coolabh Metals (ASX:CBH) Announcement dated 19 Sept 2024

Rasp Mine

Overview & Strategy for Life Extension



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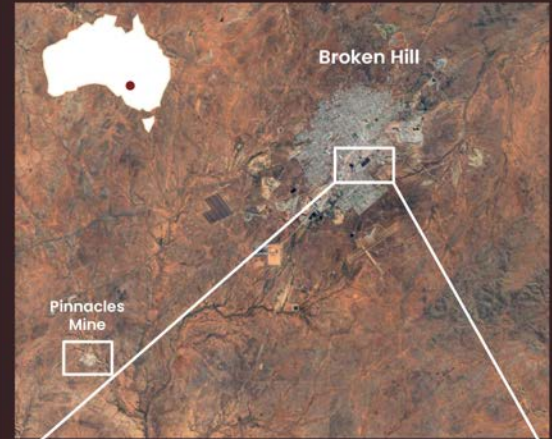
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Overview of Rasp Operation

Rasp Mine Overview



Mineral Resources	10.1 million tonnes at 9.4% ZnEq¹ (5.7% Zn, 3.2% Pb & 48.5 g/t Ag)
Mining method	Sub-level open stoping and up-hole stoping
Processing method	Grinding, flotation, thickening and filtration
Plant capacity	750,000tpa
Other Infrastructure	Operating plant, sealed road and rail services, grid power to mine (22kV transmission)
Workforce	Residential (~118 employees & contractors)



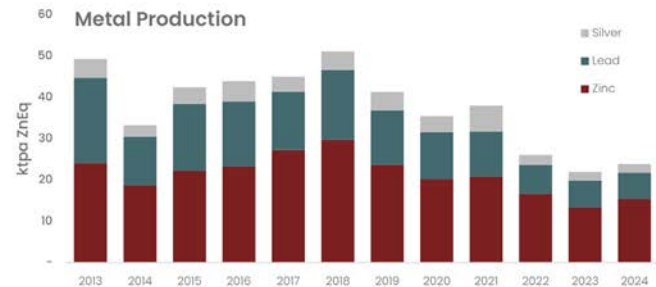
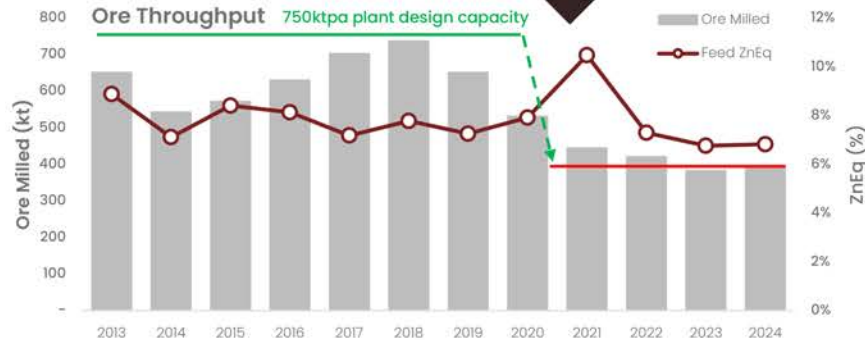
¹ZnEq definition outlined in the Appendix

Rasp Mine Historical Performance



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Ore throughput constrained to ~400ktpa due to tailings management system (solar drying), with plant capacity of 750ktpa

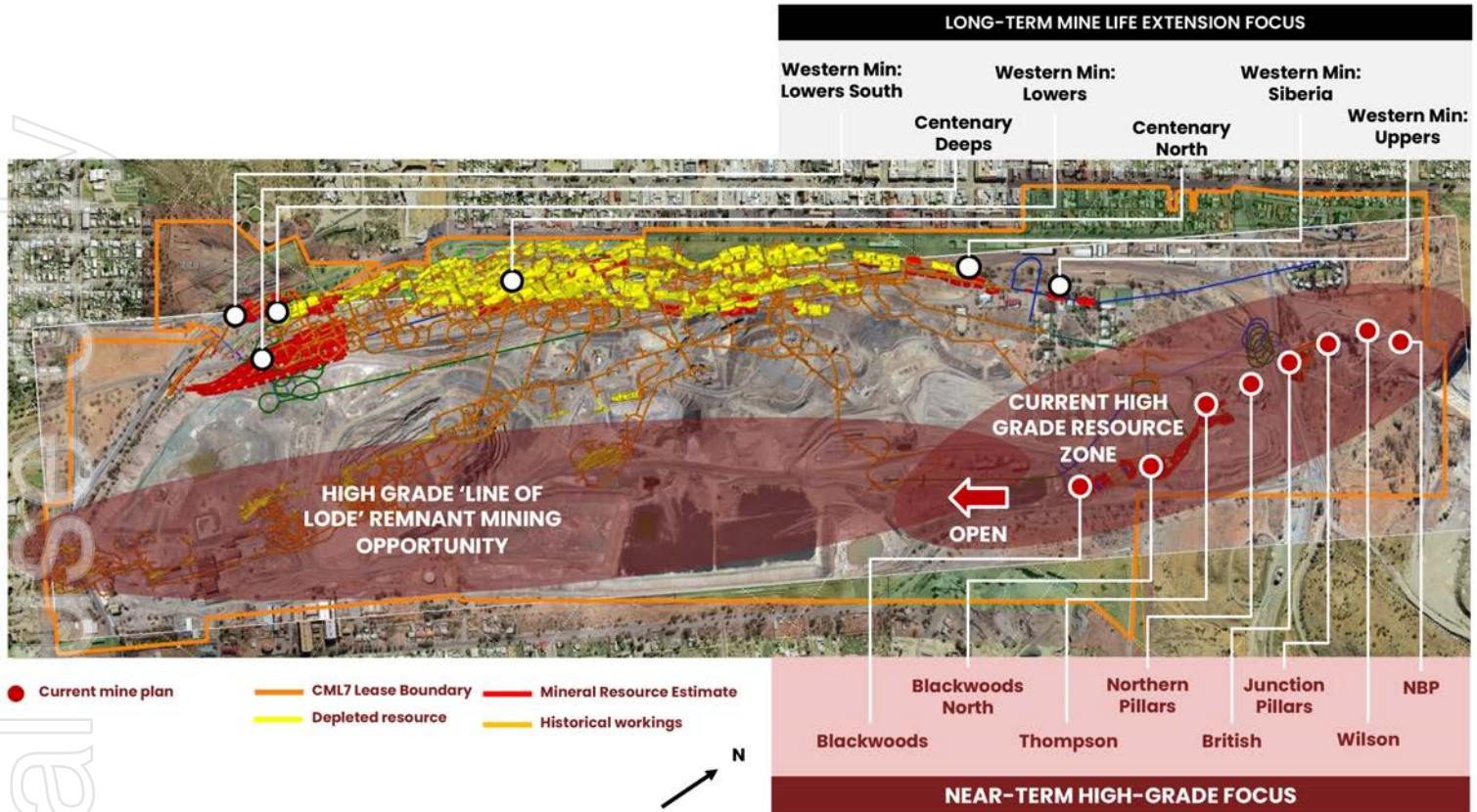


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Rasp Resource Overview



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High Grade Main Lode Access



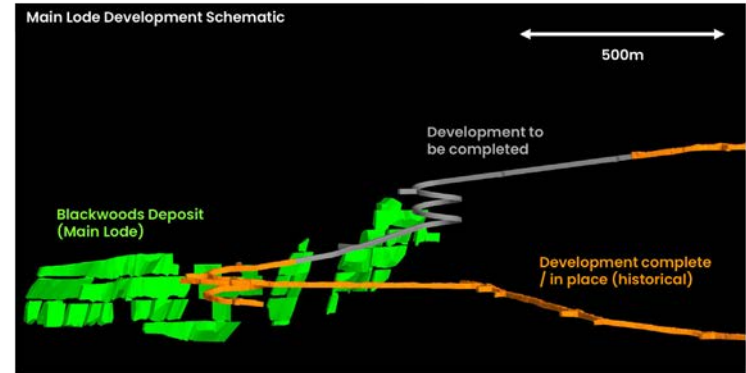
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Main Lode Development Progress:

- ByrneCut engaged to provide UG development works back onto the high-grade Main Lode ore body
- ~1000m of development required (~20% complete)
- Main Lode access targeted for Q3 2025

Main Lode Drilling Progress:

- Targeting continued increase in Mineral Resource Confidence and mine planning assistance
- Assessing high priority undrilled targets identified to date from historical data analysis
- Drilling results anticipated in early Q2 2025



Rasp: Clear Growth Strategy With Significant Optionality

Rasp MRE: 10.1Mt @ 9.4% ZnEq (5.7% Zn, 3.2% Pb, 48.5g/t Ag)



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Near-Term: High-Grade Focus

Main Lode

Initial focus of BHM development at Rasp, increasing grade and metal units for processing

Part of the original 'Line of Lode', Main Lode resources are high grade and shallow

High-grade Main Lode areas include:

- **Blackwoods:** 490kt @ 18.3% ZnEq (8.3% Zn, 7.5% Pb & 156g/t Ag)
- **British:** 180kt @ 15.5% ZnEq (7.2% Zn, 7.2% Pb & 101 g/t Ag)
- **NBP:** 140kt @ 21.6% ZnEq (8.3% Zn, 9.4% Pb & 222 g/t Ag)
- **Wilson:** 60kt @ 11.1% ZnEq (5.6% Zn, 3.9% Pb & 105 g/t Ag)

JORC 2012 Mineral Resource Estimate (Jan 2024)

Classification	Tonnes (kt)	ZnEq (%)	Zn (%)	Pb (%)	Ag (g/t)
Measured	245	18.0%	8.5%	7.0%	152.2
Indicated	355	19.9%	8.3%	8.6%	181.3
Inferred	270	14.6%	6.3%	6.8%	112.3
Main Lode Total	870	17.7%	7.8%	7.6%	151.7

Medium-Term: Underpin Production

Western Mineralisation

- The Western Mineralisation deposit has provided the bulk of the tonnes during Rasp's history
- Mine plan to continue mining in the Western Min Lowsers South and open up the Siberia deposit
- Potential for resource extension in Lowsers South and Siberia, with a large number high-grade intercepts outside the resource model

JORC 2012 Mineral Resource Estimate (Jan 2024)

Classification	Tonnes (kt)	ZnEq (%)	Zn (%)	Pb (%)	Ag (g/t)
Measured	940	9.0%	5.7%	3.1%	35.7
Indicated	2,260	7.9%	4.4%	3.2%	39.0
Inferred	1,165	8.2%	4.9%	3.0%	38.3
Western Min Total	4,365	8.2%	4.8%	3.1%	38.0

Long-Term: Continued Resource Growth

Centenary

- Centenary deposit remaining completely unmined to date
- Limited exploration drilling (13 holes), orebody requires more drilling & definition (open in all directions)
- Expected upside in grade and tonnage as orebody knowledge improves
- Exploration plan to use lower levels of Western Min to establish drill platforms for further resources characterisation

JORC 2012 Mineral Resource Estimate (Jan 2024)

Classification	Tonnes (kt)	ZnEq (%)	Zn (%)	Pb (%)	Ag (g/t)
Inferred	4,830	8.9%	6.0%	2.4%	39.3
Centenary Total	4,830	8.9%	6.0%	2.4%	39.3

Rasp: Vast Sunk Capital & >10 Years of Operations



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A fully operational mine and processing infrastructure:

- 750,000tpa capacity processing plant
- Operating mobile fleet (100% owned)
- ROM ore and UG broken feedstock
- Fully stocked stores
- Environmental bond fully cash backed: A\$16.9m

Mining statistics since 2013:

- 5.7Mt ore extracted
- 9.5Mt total material movement
- 55km total development

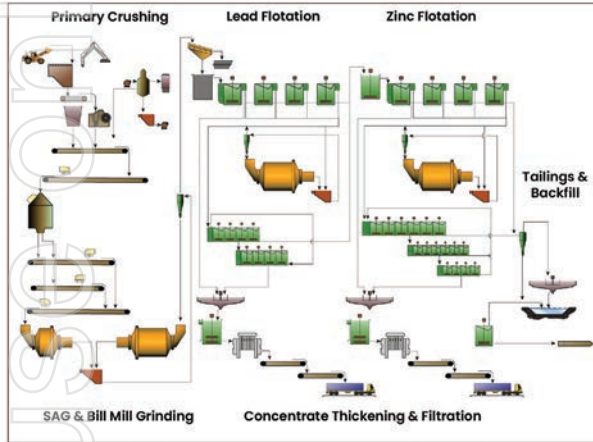


Simple Processing of Zinc & Lead Concentrates



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Modern, 750ktpa capacity plant using conventional comminution (coarse 200um grind) & sequential flotation



Processing statistics since 2013:

- Zinc recovery (avg.): 88%
- Lead recovery (avg.): 88%
- Silver recovery (into Pb conc., avg.): 75%

Established Production & Logistics Supply Chain



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- **Zinc concentrate typical grade: 49-50% zinc**
- **Lead concentrate typical grade: 65% Pb & 800 - 1,000g/t Ag**

Lead concentrate is typically transported to Nyrstar Lead Smelter at Port Pirie and zinc concentrate is exported globally via Port of Adelaide. Much of the historical Rasp zinc concentrate has been sold to the Nyrstar Zinc Smelter in Hobart.

Rasp mine is conveniently located on the Broken Hill line connecting Sydney and major NSW ports with Port Pirie and Adelaide.

Ample concentrate handling capacity available on existing rail network.

Rasp owns a rail siding connecting to the line allowing it to load concentrate containers onto wagons.

Pinnacles owns an additional rail siding located proximal to the Mine.



Pinnacles Mine JV

70% Operating Profit Share Arrangement Over the Pinnacles Mine



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Overview of Pinnacles Operation

Pinnacles Mine Overview



Mineral Resources	6.0 million tonnes @ 10.9% ZnEq (4.7% Zn, 3.3% Pb & 132g/t Ag)
Exploration Target¹	6.0 - 15.0 million tonnes @ 2.0 - 4.0% Zn, 3.0 - 6.0% Pb, 40 - 125g/t Ag)
Mineralisation	Metamorphosed VMS (volcanic hosted massive sulphide) deposit
Mining method	Combination of underground and open pit proposed
Ore Transport	Via existing haul road and public roads to Rasp site ²
Processing Method	Grinding, flotation, thickening and filtration (via Rasp Processing Plant) Similar recovery profile to Rasp ore ²

¹ Exploration Target excludes Mineral Resources. The potential quantity and grade of Exploration Targets are conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

² These modifying factors have not been considered in the Mineral Resource Estimate disclosed to date and are based on the current intention of the Company. The incorporation of these modifying factors into future calculations of the Mineral Resource Estimate may cause changes to the Mineral Resource Estimate.





The Pinnacles Mines is considered to be one of the highest grade and shallowest deposits in Broken Hill

Pinnacles Mining History:

- Pinnacles mining started in 1884, to a **depth of 80m below surface only**
- Only the high-grade silver rich portions of lead lodes were mined, with zinc rich ore and 'low grade' lead ore left in place or used as stope fill

Pinnacles Corporate History:

- **Privately owned by the Williams family since 1954**
- Planned Pinnacles IPO in 2007, stopped due to global financial crisis
- Williams family has continued to define further potential of Pinnacles over the last 15 years, including **discovery of the Perseverance ore body**

Mineral Resource Upside:

- Current Mineral Resources based on >55,000m of drilling to date
- **~3,000m of drill core awaiting assay**



Historical drill core at the Pinnacles Mine

Pinnacles Exploration & Development



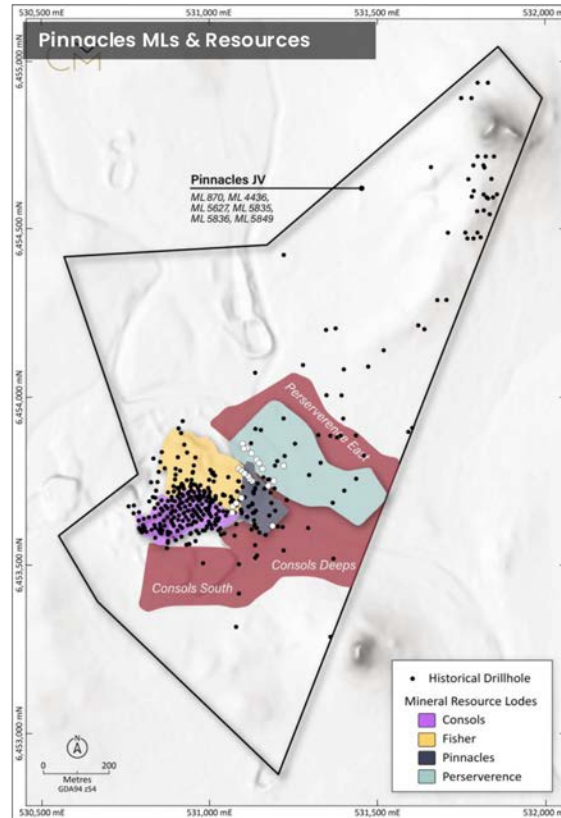
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Growth of Perseverance:

- Initial focus on Mineral Resource growth at Pinnacles
- Unassayed core along strike from the existing Perseverance ore body, with strong potential for material tonnage increase
- **Targeting a near-term completion of assay work in conjunction with infill and extension drilling to increase both Mineral Resource size and confidence**

Pinnacles Development:

- On completion of drilling, BHM will immediately start a Mining Expansion Study to assess the incorporation of Pinnacles ore into the Rasp Processing Plant
- Similar mineralogical and metallurgical characteristics to Rasp ore based on historical exploration and production data



Development Timeline



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Calendar Year

2025

2026

2027

Rasp Mine

Western Mineralisation operations

Main Lode development

Main Lode operations

Pinnacles Mine

Drilling, studies & development

Underground operations*

*BHM to assess opportunity for near term open pit operations at Pinnacles prior to the start of underground operations



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Patrick Walta
Executive Chairman
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Shane Goodwin
Head of Corporate Affairs
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BHM Public Listing Overview



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Capital Structure	Shares	Options
Current Coolabah Holders (post consolidation on 3 to 1 basis)	44,718,759	23,392,194
Broken Hill Mines RTO Vend	125,000,000	65,000,000
Other Share Issuances ¹	73,000,000	8,375,000
TOTAL SHARES & OPTIONS (post RTO)	242,718,759	96,767,194

Cash at Bank	A\$
Total Cash (as at 31 December 2024)	\$11,000,000
Zinc Offtake Facility (US\$6.0m) (drawn)	\$9,000,000
TOTAL (cash & working capital facilities)	\$20,000,000

Environmental Bond	A\$
Fully Cash Backed Environmental Bond	\$16,964,000

Market Capitalisation (at \$0.20 recompliance)	A\$48.5 million
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¹ See Prospectus to be lodged in February 2025 for updated details - inc. BHM Converting Note shares (25m), Recompliance raise shares (20m), Cash Conversion Consideration shares (20m), Facilitator shares (8.0m). Figures assume that the maximum subscription of A\$4,000,000 (before costs) is raised under the recompliance capital raising.

Unlocking the Full Potential of Broken Hill

BHM agreements over the Rasp and Pinnacles Mines



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Rasp Mine Acquisition

Acquisition Completed:

\$1 consideration, BHM contributed A\$6.9m to complete full cash backing of environmental bond

Rasp Mine Key Assets:

- Vast sunk capital (plant & equipment) in place
- 750,000tpa modern operating processing plant
- Experienced residential workforce in place
- Consistent operational cashflow generator over more than a decade of operations
- **JORC Mineral Resource:** 10.1Mt @ 9.4% ZnEq (8.8% Pb+Zn & 48.5g/t Ag)
- **Inc. Main lode mineral resource ~0.9Mt @ 17.7% ZnEq (7.8% Zn, 7.6% Pb, 151.7g/t Ag)**
- A\$16.9m environmental bonding cash fully returnable to BHM (on replacement or reduction)

Offtake and Offtake Financing:

- Zinc offtake signed inc -US\$6m facility
- Lead offtake and potential facility under competitive tender

Pinnacles JV Mining Agreement

Agreement Executed:

Option over a royalty-based mining agreement for the extraction of Pinnacles ore on a ~70 BHM / 30% Pinnacles profit share arrangement

Pinnacles Mine Key Assets:

- Historical high-grade operations since 1880s
- Over 55,000m drilling completed at Pinnacles (~3,000m core awaiting assay)
- Located ~15km from Rasp, on established MLs
- **JORC Mineral Resource:** 6.0Mt @ 10.9% ZnEq (4.7% Zn, 3.3% Pb & 132g/t Ag)
- **Inc. Perseverance deposit 3.5Mt @ 12.3% ZnEq (4.5% Zn, 4.1% Pb & 166g/t Ag)**
- **JORC Exploration Target:** 6.0 - 15.0Mt @ 2.0 - 4.0% Zn, 3.0 - 6.0% Pb, 40 - 125g/t Ag

BHM's Development Plan:

- Grow Mineral Resource size and confidence
- Mine Expansion Study to incorporate Pinnacles into existing Rasp operations
- Targeting Pinnacles operations in <3 years

Broken Hill Consolation Strategy

Infrastructure Advantage:

Combining modern processing infrastructure with high grade ore feed

Proven Mineral Field:

Over 140 years of successful operating history in Broken Hill, continued resource discovery and high-quality concentrates

Established Production:

Current Rasp operations utilising ~50% of plant capacity, clear upside in full plant utilisation

Experienced Team:

BHM team has deep zinc/lead mine development and operational experience through Pasmenco, Century Mine and Dugald River Mine operations in QLD

Future Consolidation:

Opportunity for further collaboration and consolidation with other operations in the Broken Hill region



Metal recoveries used in the zinc equivalent (ZnEq) calculations for each element are based on the average metallurgical recoveries of Rasp achieved based on historical performance and applied to all ore types, including Pinnacles.

ZnEq used in this Presentation

Metal recovery assumptions used in the zinc equivalent (ZnEq) calculations are shown below:

- Rasp (Underground): Zinc 88.0%, Lead 88.0%, Silver into Lead Concentrate 75.0%
- Pinnacles (Open Pit): Zinc 88.0%, Lead 88.0%, Silver into Lead Concentrate 75.0%
- Pinnacles (Underground): Zinc 88.0%, Lead 88.0%, Silver into Lead Concentrate 75.0%

Assumed metal prices used are also shown below:

- Zinc US\$2,650/t
- Lead US\$2,000/t
- Silver US\$27/oz

Metal equivalents were calculated according to the following formula:

- Rasp Underground: Zinc Equivalent % = $Zn\% + (Pb\% * 0.754) + (Ag \text{ ppm} * 0.028)$
- Pinnacles Open Pit: Zinc Equivalent % = $Zn\% + (Pb\% * 0.754) + (Ag \text{ ppm} * 0.028)$
- Pinnacles Underground: Zinc Equivalent % = $Zn\% + (Pb\% * 0.754) + (Ag \text{ ppm} * 0.028)$

It is the company's opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold.



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