

# Boab Metals Ltd (BML)

Rating: Buy | Risk: High | Price Target: \$1.70

9 February 2026

## Silver shines through the volatility – Boab upgraded again

### Key Information

Current Price (\$ps)	0.53
12m Target Price (\$ps)	1.70
52 Week Range (\$ps)	0.12 - 0.65
Target Price Upside (%)	222.3%
TSR (%)	222.3%
Reporting Currency	AUD
Market Cap (\$m)	304
Sector	Materials
Avg Daily Volume (m)	8.6
ASX 200 Weight (%)	0%

### Fundamentals

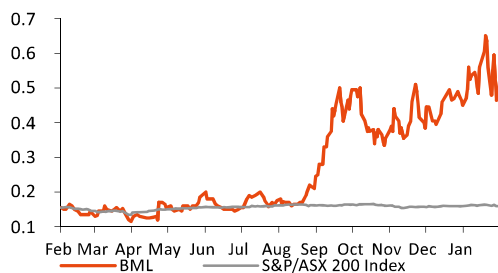
YE 30 Jun (AUD)	FY25A	FY26E	FY27E	FY28E
Sales (\$m)	0	0	0	555
NPAT (\$m)	(4)	(3)	(9)	208
EPS (cps)	(1.5)	(0.7)	(1.7)	39.8
EPS Growth (%)	8.0%	51.4%	nm	nm
DPS (cps) (AUD)	0.0	0.0	0.0	19.9
Franking (%)	0%	0%	0%	0%

### Ratios

YE 30 Jun	FY25A	FY26E	FY27E	FY28E
P/E (x)	(10.0)	(72.4)	(30.6)	1.3
EV/EBITDA (x)	(78.1)	(74.4)	(74.4)	0.9
Div Yield (%)	0.0%	0.0%	0.0%	37.7%
Payout Ratio (%)	0.0%	0.0%	0.0%	50.0%

### Price Performance

YE 30 Jun	1 Mth	2 Mth	3 Mth	1 Yr
Relative (%)	17.3%	35.6%	51.4%	238.0%
Absolute (%)	17.2%	37.0%	50.7%	240.3%
Benchmark (%)	(0.1%)	1.4%	(0.7%)	2.3%



### Major Shareholders

Franklin Resources	7.1%
Villiers Queensland	2.4%
Sandfire Resources	1.5%
Simon Noon	1.0%

### Andrew Hines | Head of Research

+61 3 9268 1178

andrew.hines@shawandpartners.com.au

### Peter Kormendy | Senior Research Analyst

+61 3 9268 1099

Peter.Kormendy@shawandpartners.com.au

### Event

A significant upgrade to our silver price forecast has resulted in our Boab Metals price target and valuation increasing from A\$1.08ps to A\$1.70ps. We use this opportunity to update our Boab Metals financial model to align with the company's latest timelines and mine plan. On our modelling, every US\$10/oz on the silver price is worth 40cps to the Boab share price and at today's spot silver price of US\$80/oz, Boab is worth A\$1.53ps. Despite the rally in silver, the Boab share price is only up from 41c to 53c since FID as the market digests the recent capital raises. This is creating an excellent opportunity for investors looking for silver exposure with heightened liquidity and an under-valued share price

### Highlights

- The Sorby Hills Project is located in the Kimberley Region of Western Australia. Boab released a DFS in January 2023, updated the financials with the completion of a FEED study in June 2024 and announced FID in December 2025. The key project metrics include upfront capital expenditure of A\$264M, AISC of *negative* US\$14/oz payable silver (post lead credits), pre-tax NPV<sub>8</sub> of A\$596m, pre-tax IRR of 47%, and average annual EBITDA of A\$160m. It is important to note that these numbers were based on a silver price of US\$27/oz. The economics are materially enhanced at spot commodity prices. Our post tax NPV<sub>10</sub> of the project is A\$877m.
- There are limited opportunities for investors to gain exposure to silver on the ASX. In our view, Sorby Hills is an advanced and robust project with one of the largest silver resources (53Moz). Sorby Hills will produce an average of 2.2Moz of silver per year at a cash cost of negative US\$14/oz post lead credits. At the current silver price of US\$80/oz, the project will therefore generate about US\$210m (~A\$295m) cash flow per annum.
- The project is fully funded post the recent capital raises (total of \$117m) and a debt package from Merricks Capital and Davidson Kempner. The debt is a very clean structure with no warrants or royalties. However, it is not cheap debt with a headline interest rate of 12% plus an annual 2.5%pa facility fee on the outstanding balance.
- Apart from ongoing strength in the silver price, there are a number of catalysts ahead for Boab in 2026 including:
  - Release of a Project Delivery Plan in 2Q26. This will include a range of measures to optimise the project delivery and execution, with finalised contacts and higher silver price assumptions.
  - Ongoing exploration. Boab will conduct resource-to-reserve drilling which may enhance the project economics by extending silver mineralisation and adding mine-life. The company also needs to follow-up the interesting Keep discovery which may provide a zinc stream to the project.
  - Completion of the acquisition of the Degruessa processing plant and finalisation of the capex savings that will result.
- Demand for silver in the production of solar panels has driven the silver market into a supply deficit. Total annual silver demand has grown from a relatively steady 1,000Mozpa over the past decade to 1,164Moz in 2024 with further growth expected. Demand for solar panels has increased from around 5% of total demand in 2015 to around 17% today. Silver is the most conductive metal and has excellent reflective properties which make it ideal for solar panels.

### Recommendation

We retain our BUY recommendation and confirm our Price Target upgrade to A\$1.70 from \$1.08. The rally in silver has not yet been priced into Boab's share price as the market digests the recent capital raises.

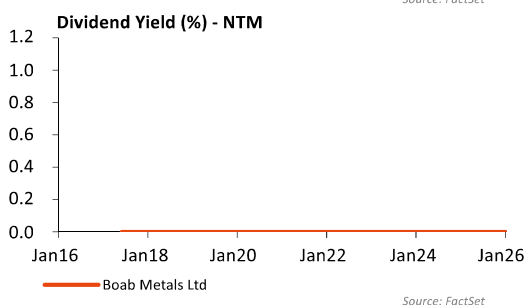
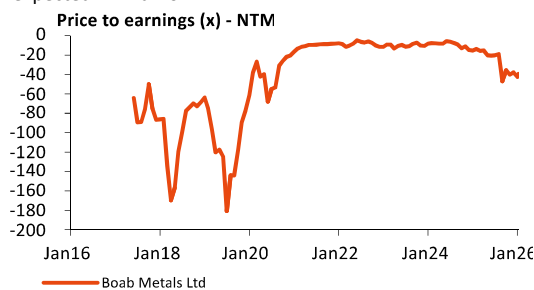
**Boab Metals Ltd**  
**Materials**  
**Materials**

FactSet: BML-AU / Bloomberg: BML AU

Key Items	Data
Recommendation	BUY
Risk	HIGH
Price (\$ps)	0.53
Target Price (\$ps)	1.70
52 Week Range (\$ps)	0.12 - 0.65
Shares on Issue (m)	576
Market Cap (\$m)	304
Enterprise Value (\$m)	298
TSR (%)	222.3%
Valuation per share (cps) (AUD)	1.70
Valuation (\$m)	978.94

**Company Description**

Boab Metals is a base metal exploration and development company, primarily focused on its flagship Sorby Hills Silver-Lead Project in Kununurra, Western Australia. Sorby Hills is the largest undeveloped, near surface lead-silver-zinc deposit in Australia. Sorby Hills is 100%-owned by Boab Metals. The Project is fully permitted and financed and is in the early stages of construction with first production expected in mid-2027.



**Financial Year End: 30 June**

Investment Summary (AUD)	FY24A	FY25A	FY26E	FY27E	FY28E
EPS (Reported) (cps)	(1.6)	(1.5)	(0.7)	(1.7)	39.8
EPS (Underlying) (cps)	(1.6)	(1.5)	(0.7)	(1.7)	39.8
EPS (Underlying) Growth (%)	54.9%	8.0%	51.4%	nm	nm
PE (Underlying) (x)	(5.3)	(10.0)	(72.4)	(30.6)	1.3
EV / EBIT (x)	(89.6)	(77.5)	(74.4)	(74.4)	0.9
EV / EBITDA (x)	(90.6)	(78.1)	(74.4)	(74.4)	0.9
DPS (cps) (AUD)	0.0	0.0	0.0	0.0	19.9
Dividend Yield (%)	0.0%	0.0%	0.0%	0.0%	37.7%
Franking (%)	0%	0%	0%	0%	0%
Payout Ratio (%)	0.0%	0.0%	0.0%	0.0%	50.0%
Free Cash Flow Yield (%)	(20.7%)	(10.0%)	(39.8%)	(57.5%)	93.4%
Profit and Loss (AUD) (m)	FY24A	FY25A	FY26E	FY27E	FY28E
Sales	0	0	0	0	555
Other Operating Income	0	0	0	0	0
<b>EBITDA</b>	<b>(3)</b>	<b>(4)</b>	<b>(4)</b>	<b>(4)</b>	<b>331</b>
EBITDA Margin (%)	nm	nm	nm	nm	59.6%
Depreciation & Amortisation	0	0	0	0	(17)
<b>EBIT</b>	<b>(3.3)</b>	<b>(3.8)</b>	<b>(4.0)</b>	<b>(4.0)</b>	<b>314.0</b>
EBIT Margin (%)	nm	nm	nm	nm	56.6%
Net Interest	0	0	(0)	(9)	(17)
Pretax Profit	(3)	(4)	(4)	(13)	297
Minorities	0	0	0	0	0
<b>NPAT Underlying</b>	<b>(3)</b>	<b>(4)</b>	<b>(3)</b>	<b>(9)</b>	<b>208</b>
Significant Items	0	0	0	0	0
<b>NPAT Reported</b>	<b>(3)</b>	<b>(4)</b>	<b>(3)</b>	<b>(9)</b>	<b>208</b>
Cashflow (AUD) (m)	FY24A	FY25A	FY26E	FY27E	FY28E
EBIT	(3)	(4)	(4)	(4)	314
Tax Paid	0	0	0	1	4
Net Interest	0	0	(0)	(9)	(17)
Change in Working Capital	0	0	(0)	1	(73)
Depreciation & Amortisation	0	0	0	0	(17)
Other	(0)	(0)	0	11	18
<b>Operating Cashflow</b>	<b>(4)</b>	<b>(4)</b>	<b>(4)</b>	<b>0</b>	<b>263</b>
Capex	0	0	(80)	(159)	(5)
Acquisitions and Investments	0	0	(2)	(2)	(2)
Disposal of Fixed Assets/Investments	0	0	0	0	0
Other	0	(1)	0	0	0
<b>Investing Cashflow</b>	<b>0</b>	<b>(1)</b>	<b>(82)</b>	<b>(161)</b>	<b>(7)</b>
<b>Free Cashflow</b>	<b>(4)</b>	<b>(4)</b>	<b>(84)</b>	<b>(159)</b>	<b>257</b>
Equity Raised / Bought Back	5	6	110	0	0
Dividends Paid	0	0	0	0	(36)
Change in Debt	0	0	40	140	0
Other	(0)	(0)	(0)	(11)	(18)
<b>Financing Cashflow</b>	<b>5</b>	<b>6</b>	<b>150</b>	<b>129</b>	<b>(54)</b>
<b>Net Change in Cash</b>	<b>1</b>	<b>2</b>	<b>63</b>	<b>(32)</b>	<b>201</b>
Balance Sheet (AUD) (m)	FY24A	FY25A	FY26E	FY27E	FY28E
Cash	6	8	71	39	240
Accounts Receivable	1	1	1	0	46
Inventory	0	0	0	0	46
Other Current Assets	0	0	0	0	0
PPE	6	6	88	249	240
<b>Total Assets</b>	<b>13</b>	<b>17</b>	<b>162</b>	<b>290</b>	<b>573</b>
Accounts Payable	0	0	0	0	18
Short Term Debt	0	0	0	0	0
Long Term Debt	0	0	40	180	180
<b>Total Liabilities</b>	<b>1</b>	<b>1</b>	<b>39</b>	<b>176</b>	<b>288</b>
Ratios	FY24A	FY25A	FY26E	FY27E	FY28E
ROE (%)	(29.5%)	(27.6%)	(4.2%)	(7.6%)	104.2%
Gearing (%)	(85.9%)	(90.3%)	(33.7%)	55.3%	(26.8%)
Net Debt / EBITDA (x)	1.7	2.0	7.7	(35.2)	(0.2)

### Silver – through US\$100/oz, and back again

The silver price has had a volatile start to 2026 with the price reaching US\$115/oz on January 26<sup>th</sup>, before pulling back below US\$80/oz two days later. Regardless of the volatility, the silver price is up 14% in 2026, and 177% since the start of 2025.

There are two main drivers of the increase:

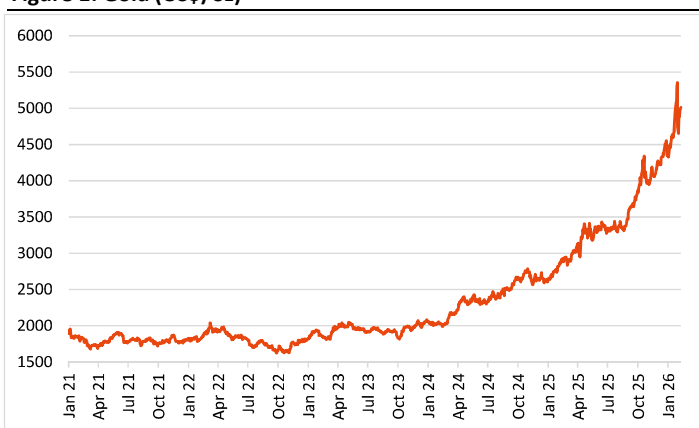
1. A rally in sympathy with gold. The gold price is being driven higher by geopolitical tensions and the move from non-OECD countries to move away from the USD as the global currency standard.
2. The fundamentals of supply/demand for silver look very supportive for further price increases. Silver has strong demand characteristics due its demand for industrial applications in solar panels.

The key drivers that underpin our positive view on gold and silver remain in place: rising US government debt, global central bank purchases and on-going geopolitical risks. Despite fears of Warsh taking a hawkish view into the Fed Chairmanship around May, we also continue to view US interest rate cuts as more likely and note the cooling labour market still has consensus forecasting two 25bp rate cuts in the second half of the year.

We recently lifted our gold and silver price forecasts by 53.8% and 31.9% respectively in 2026 and this has lifted earnings and valuations across our coverage universe. Our view of consensus gold price forecasts sees significant upgrades throughout the rest of the year and strong earnings support for gold and silver equities.

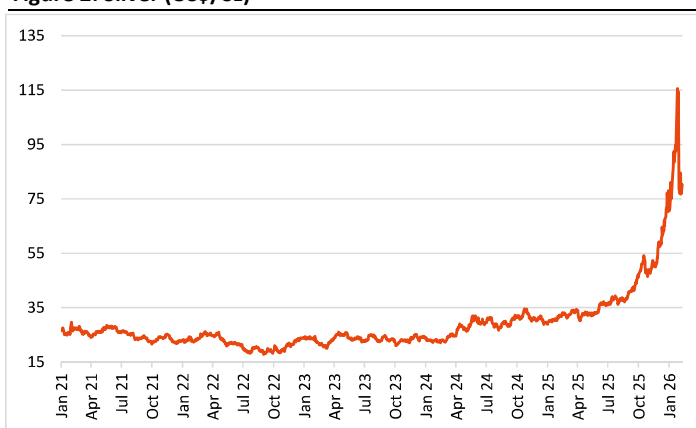
Since early 2021 the gold/silver ratio has increased from its long run average of ~70x to peak at over 100x early in 2025 as silver lagged behind the gold price rally. The recent surge in the silver price has pulled the ratio back to 62x at spot prices.

Figure 1: Gold (US\$/oz)



Source: Factset

Figure 2: Silver (US\$/oz)



Source: Factset

Figure 3: Shaw and Partners gold and silver price forecasts

Gold & Silver Price Forecasts	2023	2024	2025	2026f	2027f	2028f	LT Real
Shaw and Partners Gold price (US\$/oz) new	1,942	2,386	3,375	6,000	6,500	7,000	5,000
Shaw and Partners Gold price (US\$/oz) old	1,942	2,386	3,375	3,900	3,600	3,200	3,120
- change				53.8%	80.6%	118.8%	60.3%
Shaw and Partners Silver price (US\$/oz) new	23	28	41	92	100	108	78
Shaw and Partners Silver price (US\$/oz) old	23	28	41	70	56	49	47
- change				31.9%	78.6%	119.8%	65.1%
Shaw and Partners AUD/USD new	0.67	0.66	0.65	0.70	0.75	0.80	0.70
Shaw and Partners AUD/USD old	0.67	0.66	0.65	0.66	0.70	0.72	0.75
- change				6.1%	7.1%	11.1%	-6.7%
Shaw and Partners Gold price (AUD/oz) new	2,898	3,619	5,226	8,571	8,667	8,750	7,143
Shaw and Partners Silver price (AUD/oz) new	35	43	63	132	133	135	111

Source: Factset, Shaw and Partners

## Valuation

Our Boab Metals valuation is based on a DCF valuation of the Sorby Hills project. We recently upgraded our valuation from A\$1.08 to A\$1.70ps due to our higher silver price assumption.

**Figure 4: Boab Valuation**

Boab Metals Valuation	A\$m	A\$ps
Sorby Hills	877	1.52
Net cash	110	0.19
Exploration	10	0.02
Corporate costs	-20	-0.03
<b>Total Valuation</b>	<b>977</b>	<b>1.70</b>

Source: Shaw and Partners forecasts

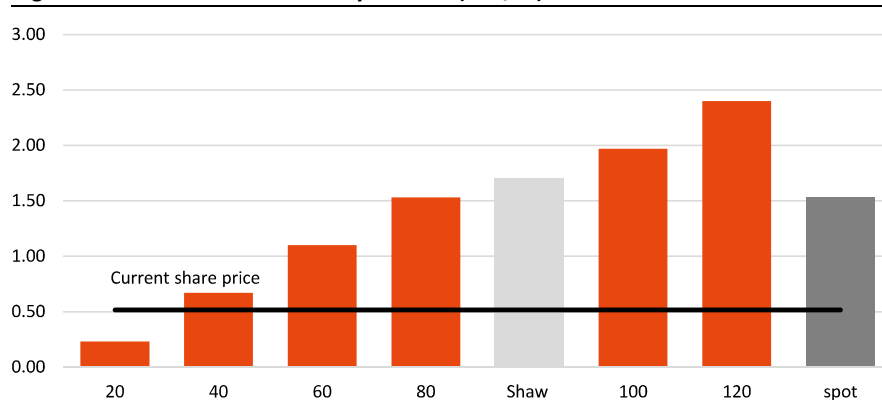
## Valuation sensitivity to silver

Our valuation is highly sensitive to the silver price assumption with every US\$10/oz impacting our valuation by ~40cps.

At today's silver price of US\$80/oz, our valuation of Boab Metals is A\$1.53ps – around 3x higher than the current 53c shareprice.

The Sorby Hills project has a revenue split of roughly 60/40 silver/lead at current spot prices, and the Boab share price has been highly correlated with the silver price. With a 53Moz silver resource, Boab has one of the largest and most advanced silver projects on the ASX.

**Figure 5: Boab Valuation sensitivity to silver (US\$/oz)**



Source: Shaw and Partners forecasts

## Earnings Revisions

The changes to our silver price forecast have resulted in a significant upward revision to our earnings forecasts. We now model Boab generating EBITDA of ~A\$300m once in production, which is higher than the current market capitalization of A\$268m

**Figure 6: Earnings Revisions**

Revisions	2026f			2027f			2028f			2029f		
	New	Old	Chg %	New	Old	Chg %	New	Old	Chg %	New	Old	Chg %
Revenue (A\$m)	0	0	n/a	0	0	n/a	555	243	128%	491	453	8%
EBITDA (A\$m)	-4	-4	n/a	-4	-4	0%	331	102	224%	267	230	16%
EBIT (A\$m)	-4	-4	n/a	-4	-4	0%	314	88	257%	242	207	17%
NPAT (A\$m)	-3	-4	n/a	-9	-9	0%	208	47	343%	164	140	18%
EPS (Acps)	-1	-1	n/a	-2	-2	0%	40	11	275%	31	27	18%

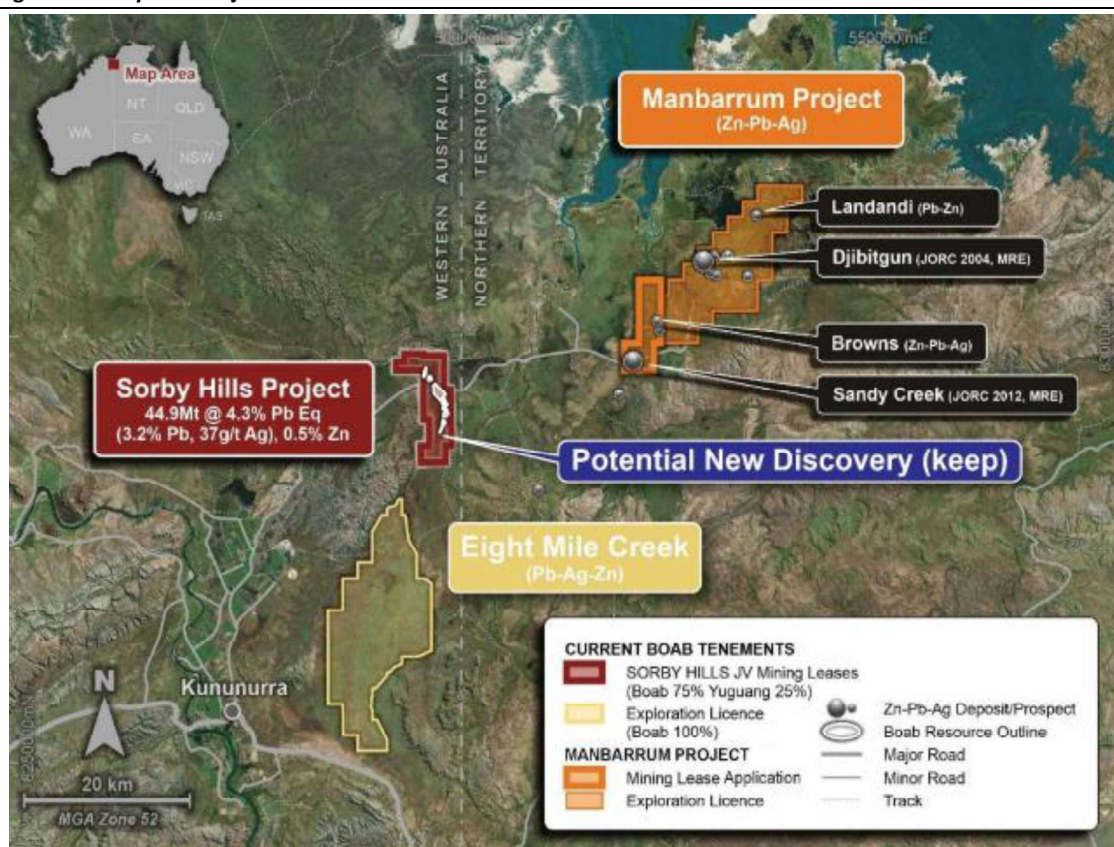
Source: Company reports, Shaw and Partners

Figure 7: Sorby Hills financials – Shaw forecasts

Sorby Hills (100%)	2025	2026f	2027f	2028f	2029f	2030f	2031f	2032f	2033f	2034f	2035f
Ore processed (kt)	0	0	0	1,500	2,250	2,250	2,250	2,250	2,250	2,250	2,250
Lead grade (%)	0.0%	0.0%	0.0%	5.5%	3.4%	4.0%	3.5%	3.1%	3.0%	2.5%	3.5%
Silver grade (g/t)	0	0	0	47	30	59	54	24	27	30	41
Lead concentrate (kt)	0	0	0	115	111	125	107	99	98	81	109
Payable lead (kt)	0.0	0.0	0.0	75.0	72.0	81.0	69.3	64.7	63.9	52.8	71.1
Payable silver (Moz)	0.0	0.0	0.0	2.0	1.9	3.5	3.2	1.5	1.7	1.9	2.1
Revenue	0	0	0	555	491	658	595	410	437	421	531
- lead revenue	0	0	0	182	185	212	186	177	179	151	209
- silver revenue	0	0	0	195	164	261	242	118	135	152	174
Expenses	0	0	0	220	220	232	233	229	234	238	247
EBITDA	0	0	0	335	271	426	362	181	203	183	285
D&A	0	0	0	17	25	25	25	25	25	25	25
EBIT	0	0	0	318	246	402	337	156	178	158	260
Net Operating Assets	2	82	241	229	210	190	171	151	132	113	94
Capex	0	80	159	5	5	5	5	6	6	6	6
EBITDA Margin (%)	0%	0%	0%	60%	55%	65%	61%	44%	46%	44%	54%
EBIT / Assets (%)	0%	0%	0%	139%	117%	211%	197%	103%	135%	140%	275%
Silver (US\$/oz)	32	71	96	104	92	78	80	82	84	86	88
Lead (US\$/lb)	90	95	106	116	122	125	128	131	134	137	140
AUD/USD	0.65	0.66	0.68	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72

Source: Company reports, Shaw and Partners

Figure 8: Sorby Hills Project Location



Source: Company reports

### Silver – growing demand from solar power

Silver is a soft and lustrous metallic element that is unique as a commodity and currency. Of all metals, it has the highest electrical and thermal conductance and optical reflectivity. Throughout history it has been used as a white metal in jewellery or coins; as with other precious metals, a protection against inflation. More recently it is being used for industrial purposes. Solar panels are now ~11-14% of total silver demand. Its extensive industrial use is somewhat regulated by silver’s higher relative cost to other metals.

The photovoltaic cells used in solar panels extensively rely on silver due to its exceptional electrical conductivity and thermal properties. According to industry estimates, approximately 20 grams of silver is required per kilowatt of solar panel capacity. With the increasing installation of solar panels worldwide, the demand for silver in the solar industry has experienced substantial growth. Solar PV generation increased by a record 320 TWh (up 25%) in 2023, reaching over 1 600 TWh. It demonstrated the largest absolute generation growth of all renewable technologies in 2023.

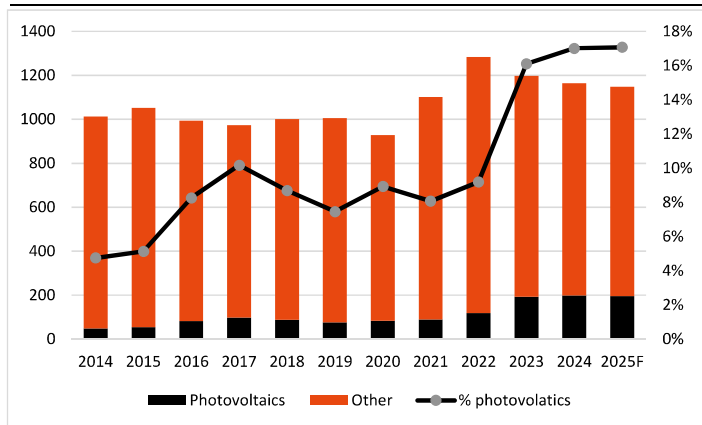
Silver’s excellent light reflection properties are another significant driver of its demand in solar applications. By coating the back surface of solar cells with silver, it can effectively enhance the efficiency of the panels. Studies indicate that silver back contacts can improve the conversion efficiency of solar cells by up to 5%.

The durability and corrosion resistance of silver in solar panels have quantifiable benefits as well. The use of silver coatings ensures the longevity and reliability of solar cells, reducing maintenance costs and increasing the lifespan of panels.

In terms of affordability and cost-effectiveness, silver is an attractive option for solar panel manufacturers. The cost of silver accounts for a relatively small portion (<5%) of the total solar panel production expenses.

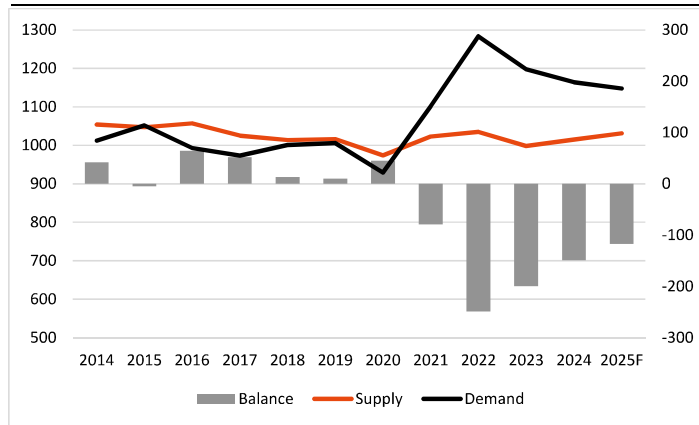
According to The Silver Institute, the silver market moved into a supply deficit in 2022 due to strong demand from net physical investment. The rise in the price has seen demand from physical investment taper off over the past two years but the market remains in deficit with the negative balance being made up by drawdowns from exchange traded products.

Figure 9: Silver demand/usage (Moz)



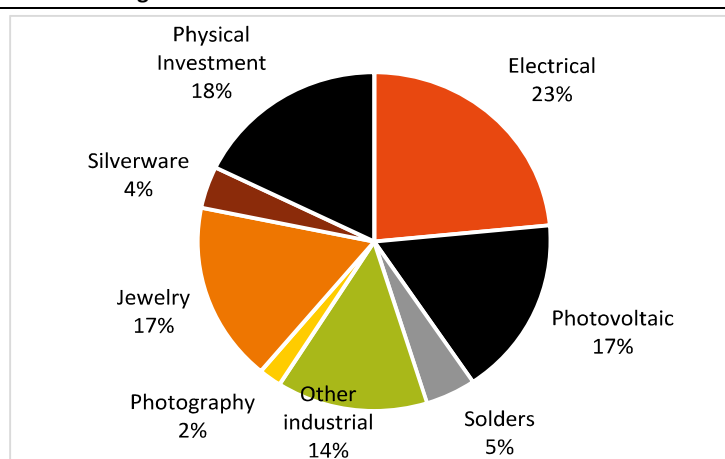
Source: The Silver Institute

Figure 10: Silver supply v demand (Moz)



Source: The Silver Institute

Figure 11: Silver usage 2024



Source: The Silver Institute

### Key risks

- The prices of silver and lead are volatile and difficult to forecast. The actual prices may differ substantially from our forecasts.
- The Sorby Hills project is not yet producing and there is a risk that Boab is unable to bring the operation in to production. The project may cost more than expected to build and may not operate as expected.
- Forecasting future operating costs has considerable uncertainty. Our forecasts may prove to be too optimistic. If Boab's costs are higher than we expect then our cash flow forecasts will be too high.
- Smaller companies carry more significant 'key personnel' risk than larger organisations. If senior management depart the company, then it could delay projects or exacerbate operational risks.

### Core drivers and catalyst

- In January 2023, Boab released the results of a Sorby Hills Definitive Feasibility Study (DFS). The DFS outlined a A\$245m project processing 2.25Mtpa of ore and producing 103ktpa of a lead/silver concentrate over a 10 year mine life. The annual production of contained metals is expected to be ~67ktpa of lead and 2.2Mozpa of silver. The DFS was updated in a FEED study in June 2024 with capex increasing from A\$245m to A\$264m, but with overall project economics improving due to improved metal recovery, a revised mine plan, lower contract mining costs and higher metal prices.
- The FEED study resulted in an estimated pre-tax NPV of A\$596m (at an 8% discount rate), an IRR of 47%, and an average annualised EBITDA of A\$160m.
- Boab is now constructing the Sorby Hills Project with FID achieved in late 2025. First production is expected in mid-2027.
- The Sorby Hills Measured and Indicated Resources is 23.6Mt at 4.6% Pb Eq (3.5% Pb, 39g/t Ag) and 0.4% Zn containing 0.8Mt Pb, 0.1kt Zn and 30Moz Ag. The resource is likely to increase as further drilling and regional exploration is completed
- Sorby Hills will produce an average of 2.2Moz of silver per year at a negative cash cost of US\$14/oz post lead by-product credits.

## Rating Classification

<b>Buy</b>	Expected to outperform the overall market
<b>Hold</b>	Expected to perform in line with the overall market
<b>Sell</b>	Expected to underperform the overall market
<b>Not Rated</b>	Shaw has issued a factual note on the company but does not have a recommendation

## Risk Rating

<b>High</b>	Higher risk than the overall market – investors should be aware this stock may be speculative
<b>Medium</b>	Risk broadly in line with the overall market
<b>Low</b>	Lower risk than the overall market

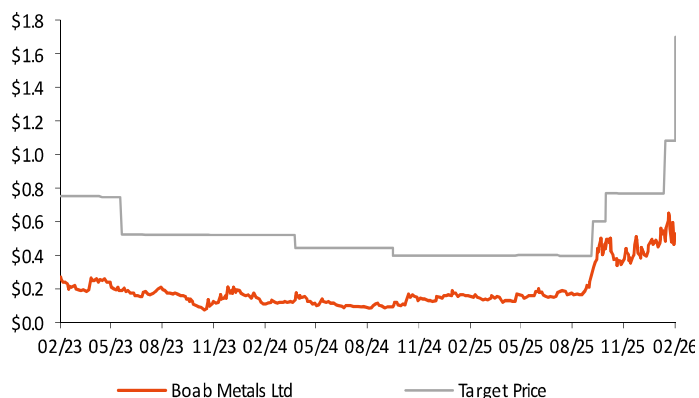
**RISK STATEMENT:** Where a company is designated as ‘High’ risk, this means that the analyst has determined that the risk profile for this company is significantly higher than for the market as a whole, and so may not suit all investors. Clients should make an assessment as to whether this stock and its potential price volatility is compatible with their financial objectives. Clients should discuss this stock with their Shaw adviser before making any investment decision.

### Distribution of Investment Ratings

Rating	Count	Recommendation Universe
Buy	69	85%
Hold	11	14%
Sell	1	1%

### History of Investment Rating and Target Price - Boab Metals Ltd

Date	Closing Price (\$)	Target Price (\$)	Rating
9-Feb-26	0.53	1.70	Buy
22-Jan-26	0.49	1.08	Buy
28-Oct-25	0.34	0.77	Buy
8-Oct-25	0.48	0.77	Buy
15-Sep-25	0.28	0.60	Buy
17-Jul-25	0.19	0.40	Buy
30-Apr-25	0.13	0.40	Buy
23-Sep-24	0.09	0.40	Buy
2-Apr-24	0.14	0.44	Buy
31-Oct-23	0.12	0.52	Buy
6-Jul-23	0.18	0.52	Buy
29-May-23	0.19	0.52	Buy
19-Apr-23	0.25	0.75	Buy



## Disclaimer

Shaw and Partners Limited ABN 24 003 221 583 ("Shaw") is a Participant of ASX Limited, Cboe Australia Pty Limited and holder of Australian Financial Services Licence number 236048.

**ANALYST CERTIFICATION:** The Research Analyst who prepared this report hereby certifies that the views expressed in this document accurately reflect the analyst's personal views about the Company and its financial products. Neither Shaw nor its Research Analysts received any direct financial or non-financial benefits from the company for the production of this document. However, Shaw Research Analysts may receive assistance from the company in preparing their research which can include attending site visits and/or meetings hosted by the company. In some instances the costs of such site visits or meetings may be met in part or in whole by the company if Shaw considers it is reasonable given the specific circumstances relating to the site visit or meeting. As at the date of this report, the Research Analyst does not hold, either directly or through a controlled entity, securities in the Company that is the subject of this report, or where they do hold securities those interests are not material. Shaw restricts Research Analysts from trading in securities outside of the ASX/S&P100 for which they write research. Other Shaw employees may hold interests in the company, but none of those interests are material.

**DISCLAIMER:** This report is published by Shaw to its clients by way of general, as opposed to personal, advice. This means it has been prepared for multiple distribution without consideration of your investment objectives, financial situation and needs ("Personal Circumstances"). Accordingly, the advice given is not a recommendation that a particular course of action is suitable for you and the advice is therefore not to be acted on as investment advice. You must assess whether or not the advice is appropriate for your Personal Circumstances before making any investment decisions. You can either make this assessment yourself, or if you require a personal recommendation, you can seek the assistance of your Shaw client adviser. This report is provided to you on the condition that it not be copied, either in whole or in part, distributed to or disclosed to any other person. If you are not the intended recipient, you should destroy the report and advise Shaw that you have done so. This report is published by Shaw in good faith based on the facts known to it at the time of its preparation and does not purport to contain all relevant information with respect to the financial products to which it relates. The research report is current as at the date of publication until it is replaced, updated or withdrawn. Although the report is based on information obtained from sources believed to be reliable, Shaw does not make any representation or warranty that it is accurate, complete or up to date and Shaw accepts no obligation to correct or update the information or opinions in it. If you rely on this report, you do so at your own risk. Any projections are indicative estimates only and may not be realised in the future. Such projections are contingent on matters outside the control of Shaw (including but not limited to market volatility, economic conditions and company-specific fundamentals) and therefore may not be realised in the future. Past performance is not a reliable indicator of future performance. Except to the extent that liability under any law cannot be excluded, Shaw disclaims liability for all loss or damage arising as a result of any opinion, advice, recommendation, representation or information expressly or impliedly published in or in relation to this report notwithstanding any error or omission including negligence.

Depending on the timing and size of your investment, your portfolio composition may differ to the model. Performance figures are derived from the inception date of the model and its investment transactions from that date, therefore the performance for your portfolio may be different. If you have any questions in connection with differences between your portfolio and the model, you should speak with your adviser.

**For U.S. persons only:** This research report is a product of Shaw and Partners Limited under Marco Polo Securities 15a-6 chaperone service, which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

Research reports are intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a-6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor. In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, Shaw and Partners Limited has entered into a chaperoning agreement with a U.S. registered broker-dealer, Marco Polo Securities Inc. ("Marco Polo"). Transactions in securities discussed in this research report should be affected through Marco Polo or another U.S. registered broker dealer.

**DISCLOSURE:** Shaw will charge commission in relation to client transactions in financial products and Shaw client advisers will receive a share of that commission. Shaw, its authorised representatives, its associates and their respective officers and employees may have earned previously or may in the future earn fees and commission from dealing in the Company's financial products. Shaw acted for the company in a corporate capacity within the past 12 months for which it received a fee.

Sydney   Head Office	Melbourne	Brisbane	Adelaide	Canberra	Perth	Noosa
Level 7, Chifley Tower	Level 36	Level 28	Level 25	Level 9	Level 47	Suite 11a Q Place
2 Chifley Square	120 Collins Street	111 Eagle Street	91 King William Street	5 Constitution Avenue	108 St Georges Terrace	2 Quamby Place
Sydney NSW 2000	Melbourne VIC 3000	Brisbane QLD 4000	Adelaide SA 5000	Canberra ACT 2601	Perth WA 6000	Noosa Heads QLD 4567
Telephone: +61 2 9238 1238	Telephone: +61 3 9268 1000	Telephone: +61 7 3036 2500	Telephone: +61 8 7109 6000	Telephone: +61 2 6113 5300	Telephone: +61 8 9263 5200	Telephone: +61 7 3036 2570
Toll Free: 1800 636 625	Toll Free: 1800 150 009	Toll Free: 1800 463 972	Toll Free: 1800 636 625	Toll Free: 1800 636 625	Toll Free: 1800 198 003	Toll Free: 1800 271 201