

IRONBARK ZINC LTD (IBG)

At spot zinc could generate >\$200m EBITDA pa

Ironbark Zinc Limited is developing the very large, fully permitted, Citronen zinc project in Greenland. Due to the scale of the project (large production and long mine life), the upside leverage to zinc prices is very significant.

Hartleys estimates pre-tax NPV₁₂ A\$600m on current prices

We assume ~US\$500m of capex spent over two years (includes working capital). Using our zinc price profile (which is now lower than spot) our pretax NPV $_{12}$ is ~\$200m (~25cps after assumed dilution). At spot prices, our pretax valuation is ~\$600m, and we estimate the project would generate an average of A\$200m EBITDA pa (and higher than average in first years).

We have seen credible forecasts for zinc to peak near US\$1.80/lb. While forecasters do not anticipate zinc could remain at such levels for long, we estimate that IBG could generate A\$500-600m EBITDA pa if zinc held that level in the early years of production. At such prices, capital payback would be <2 years. Hence, even a relatively brief extreme zinc spike is material.

Citronen is fully permitted, awaiting financing.

Project development is at an advanced stage with a pre-feasibility study released in 2009 followed by a BFS/DFS (and lowered capex) in early 2013. With subsequent cost deflation, we expect the DFS can be improved. The project already has all approvals. The Company has a MoU with China Non-Ferrous for financing, but it is also pursuing non-China alternatives. Our valuation assumes traditional equity dilution and bank finance.

Retain Speculative Buy

We retain our Speculative Buy recommendation. IBG offers significant leverage to rising zinc prices. As we have recently seen with gold, cobalt and lithium developers, small market cap companies can hide significant value of potential projects. We believe now that zinc prices and resource sentiment have improved, the market should recognise the potential significance of the Citronen project.

Current zinc prices are now high enough, in our view, for the equity market to consider funding the project (NPV is approximately equal to capex). Our price target implies ~A\$160m mkt cap. Zinc price volatility is a substantial risk.

Fig. 1: Significant zinc price leverage

| | _ | _ | | • | | | _ | | | | | |
|------------|---------------|------|-----------|-------------|-----------------------|-----------------|-----------|-------------|--------------------|---------|------------|--|
| Zinc Price | | | Base Case | | | Lower Bull Case | | | Maximum Bull Case | | | |
| | pe | r lb | | (aggressive | (aggressive dilution) | | 100% equi | ity funded) | (100% debt funded) | | | |
| | | | IB | G Val. | New Shares | IB | G Val. | New Shares | IB | G Val. | New Shares | |
| | AUD* | USD | (A | \$/shr) | (m) | (A | \$/shr) | (m) | (A | \$/shr) | (m) | |
| | 0.76 | 0.60 | | | n/a | | | n/a | | | 0 | |
| | 0.89 | 0.70 | | | n/a | | | n/a | | | 0 | |
| | 1.01 | 0.80 | | | n/a | | | n/a | | | 0 | |
| | 1.14 | 0.90 | \$ | 0.02 | 10938 | \$ | 0.02 | 23337 | \$ | 0.19 | 0 | |
| | 1.27 | 1.00 | \$ | 0.16 | 1690 | \$ | 0.17 | 2787 | \$ | 0.38 | 0 | |
| | 1.39 | 1.10 | \$ | 0.26 | 1111 | \$ | 0.33 | 1501 | \$ | 0.58 | 0 | |
| | 1.52 | 1.20 | \$ | 0.35 | 898 | \$ | 0.50 | 1027 | \$ | 0.77 | 0 | |
| | 1.64 | 1.30 | \$ | 0.44 | 787 | \$ | 0.68 | 780 | \$ | 0.97 | 0 | |
| | 1.77 | 1.40 | \$ | 0.52 | 719 | \$ | 0.86 | 630 | \$ | 1.16 | 0 | |
| | 1.90 | 1.50 | \$ | 0.60 | 674 | \$ | 1.04 | 528 | \$ | 1.36 | 0 | |
| | 2.02 | 1.60 | \$ | 0.68 | 641 | \$ | 1.23 | 454 | \$ | 1.56 | 0 | |
| | 2.15 | 1.70 | \$ | 0.76 | 616 | \$ | 1.41 | 399 | \$ | 1.75 | 0 | |
| | 2.28 | 1.80 | \$ | 0.84 | 596 | \$ | 1.60 | 355 | \$ | 1.95 | 0 | |
| | 2.40 | 1.90 | \$ | 0.91 | 580 | \$ | 1.79 | 320 | \$ | 2.13 | 0 | |
| | 2.53 | 2.00 | \$ | 0.99 | 567 | \$ | 1.98 | 292 | \$ | 2.33 | 0 | |
| | AUD/USD* 0.79 | | | | | • | | | | | | |

Source: Hartlevs Research

IBG.asx Speculative Buy

| | 14 Aug 2017 |
|-------------------------|-------------|
| Share Price | \$0.080 |
| Valuation | \$0.25 |
| Price Target (12 month) | \$0.30 |

Brief Business Description:

Very large zinc development project in Greenland

Hartleys Brief Investment Conclusion

Deposit is large and implies long mine life. Economic on spot prices and consensus estimates, very profitable at industry (the upper end of sell-side consensus) forecasted prices.

Chairman & MD

Peter Bennetto (Non Executive Chairman)
Jonathan Downes (Managing Director)

Major Shareholders

| Nyrstar Int | 18.5% |
|-------------|-------|
| Glencore | 8.9% |

Company Address

EV/Resource Zn

| Level 1, 350 Hay St | |
|---------------------|----------|
| Subiaco, WA, 6008 | |
| Issued Capital | 539.4m |
| - fully diluted | 558.4m |
| Market Cap | A\$43.2m |
| - fully diluted | A\$44.7m |
| Cash (30 Jun 17a) | A\$2.5m |
| Debt (30 Jun 17a) | A\$0.0m |

A\$40.7m

A\$0.0035/lb

| EV/Reserve Zn - | | | | | | |
|-----------------|-------|-------|-------|--|--|--|
| Prelim. (A\$m) | FY19e | FY20e | FY21e | | | |
| Prod (kt Zn eq) | 0.0 | 0.0 | 84.0 | | | |
| Op Cash Flw | -11.9 | -22.2 | 43.9 | | | |
| Norm NPAT | -20.9 | -49.6 | 17.3 | | | |
| CF/Share (cps) | -0.7 | -1.4 | 0.5 | | | |
| EPS (cps) | -1.0 | -1.8 | 0.6 | | | |
| P/E | -11.0 | -5.9 | 16.8 | | | |

| | Zn | Pb | |
|------------------------|------|-----|--|
| Resources (Billion Ib) | 11.7 | 1.3 | |
| Reserves (Rillion Ih) | 0.0 | 0.0 | |



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Head of Research

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Hartleys has completed a capital raising in the past 12 months for Ironbark Zinc Limited ("Ironbark"), for which it has earned fees. Hartleys has provided corporate advice within the past 12 months and continues to provide corporate advice to Ironbark, for which it has earned fees and continues to earn fees. Analyst has a beneficial interest in IBG. See back page for details.

| Seed Refusion Seed Refusio | IBG | | | | | \$0.080 | | | | | Specula | tiv |
|--|---|-------------------------------|---|--------------------------------|--------------------|--------------------|---|---------------------|---------------|-----------------------|------------------|--------|
| Section Process Proc | Sey Market Information | | | | | | Directors | | | | ompany In | ıfoı |
| Second process Seco | | | | | _ | \$0.080 | | | | | | |
| March Capital State | | nary | | | | | | | | | | |
| Carlo Carl | Net Debt (cash) | | | | | -\$2m | David Kelly (Non Exec, Glencore representa | ative) | | | Ph +61 8 | 646 |
| Second Control Seco | Market Capitalisation - fully | diluted | | | | A\$45m | Jason Dunning (Non Exec, Nyrstar represen | ntative) | | | Fax +61 8 | 62 |
| Properties Pro | EV | | | | | | Gary Comb (Non Exec.) | | | | | |
| Page | Issued Capital | | | | | 539.4m | | | | www.iroi | <u>nbarkgolo</u> | d.c |
| Second Confidence Company Content Processing Confidence Company Content Processing Content | | | | | | | | | | | | |
| Procession Pro | | | d new canital) | | | | Top Shareholders | | % | | | |
| Processor Proc | | options an | и пем сирки) | | | | Nyrstar Int | 100.0 | 18.5% | | | |
| Net Network Afrill 0.0 0.0 0.247.7 STLV Clinical High Clinicia Mail 5% call 2.26 6.7% 0.5% 100 100 0.05 100 100 0.05 0.05 | 12month price target | | | | | \$0.30 | Glencore | 48.0 | 8.9% | | | |
| Treate Create Alim 7.48 2.47 7.182 2.22.0 Circoner-High Grade Total 5% cut 2.39 6.2% 0.5% | | | | | | | | F0/t | _ | | | |
| SETION | | | | | | | · · | | | | | |
| Commerce Control Con | | | | | | | · · | | | | | |
| Segrecularistance Asim | | ДФПП | -2.0 | -2.1 | | | = | | | 0.078 | 0.576 | |
| EBRT | • | A\$m | -8.9 | -27 4 | | | _ | | | 4.1% | 0.4% | |
| New Interested Afam | EBIT | | | | | | | | | | | |
| The Tax Prince Alm 200 | | | | | | | | | | | | |
| Trace Experience | | | | | | | | | | 7.0 /0 | U.4 /0 | |
| | | | | | | | | | | Jun.20 | Jun.21 | J |
| Processor All | | | | | | | | | | | | , |
| Reported Print Afm -2.09 -4.06 17.3 117.4 | Abnormal Items | | | | | | 9 . | | | | | |
| Minority | | | | | | | • • | | | | | |
| Proposition Asia 2.00 3.04 40.6 17.3 117.4 | Minority | | | | | | I | | | | | |
| Payable 2. Flauy | Profit Attrib | | | | | | | | | | | |
| Mail Resource May Marco Mail | | | 20.5 | 70.0 | 11.0 | | 1 | | | | | |
| Cash | Balance Sheet | Unit | 30 Jun 19 | 30 Jun 20 | 30 Ju <u>n 21</u> | 30 Jun 22 | 1 | | | | | 2 |
| Other Current Assets | Cash | | | | | | | | | | | _ |
| Total Current Assets | | | | | | | | | 46.0 | 46.0 | | |
| Property | Total Current Assets | | | | 98.8 | | | | 5.2% | | | |
| Exploration | | | 24.2 | 330.9 | 540.0 | 468.4 | | | | | | |
| Protect Prot | | | 96.8 | 97.2 | 97.6 | 98.0 | | | | | | |
| Total Assets | | | 1.2 | | 1.2 | 1.2 | | Unit | | | | J |
| Total Cark Term Borrowings ASm 0.1 0.1 0.5 0.9 | Tot Non-Curr. Assets | A\$m | 122.2 | 429.3 | 638.8 | 567.6 | Cost per milled tonne | \$A/t | | | 84.0 | |
| Short Tem Borrowing ASm | Total Assets | A\$m | 769.4 | 719.8 | 737.6 | 855.4 | EBITDA / tonne milled ore | \$A/t | | | 57.7 | 7 |
| Other ASm 0.1 0.1 0.5 0.9 0.9 1.00 0.1 0.1 0.5 0.9 0.9 1.00 0.1 0.1 0.5 0.9 0.9 1.00 0.1 0.1 0.5 0.9 0.9 1.00 0.1 0.1 0.5 0.9 0.9 1.00 0.1 0.1 0.5 0.9 0.9 1.00 0.1 0.5 0.9 0.9 1.00 0.1 0.5 0.9 0.9 1.00 0.1 0.5 0.9 0.9 1.00 0.1 0.5 0.9 0.9 1.00 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | | | | | | | Total cost per milled tonne | | | | 93.1 | |
| Trotal Curr. Liabilities | Short Term Borrowings | A\$m | - | - | - | - | Total Cash Costs (as per P&L) | \$A/lb Zn eq | | | 0.83 | |
| Long Tem Borrowing | Other | A\$m | 0.1 | 0.1 | 0.5 | 0.9 | C1: Operating Cash Cost = (a) | \$A/lb Zn eq | | | 0.74 | |
| Other College ASm Small College Small Zneq Small Zne | Total Curr. Liabilities | A\$m | 0.1 | 0.1 | 0.5 | 0.9 | (a) + Royalty = (b) | \$A/lb Zn eq | | | 0.81 | |
| MSC (c) + Royally SANB Zn eq 1.12 1. | Long Term Borrowings | A\$m | 359.9 | 359.9 | 359.9 | 359.9 | C2: (a) + depreciation & amortisation = (c) | \$A/lb Zn eq | | | 1.05 | |
| Clast Labilities | Other | A\$m | - | - | - | - | (a) + actual cash for development = (d) | \$A/lb Zn eq | | | 2.18 | |
| Net Assets A\$m 49.5 359.9 377.2 494.6 Net Debt A\$m 287.2 69.5 291.8 142.7 Seathflow Unit 30 Jun 19 30 Jun 20 30 Jun 21 30 Jun 21 20 Jun | Total Non-Curr. Liabil. | | | | | | AISC: (c) + Royalty | | | | | |
| Price Assumptions | | | | | | | | | | | | |
| Ald Discription Cash flow | | | | | | | | | | | | |
| Cash Comparing Cash | Net Debt | АфШ | -287.2 | 69.5 | 291.8 | 142.7 | | | | | | 0 |
| Departing Cashflow | Cashflow | Unit | 30 Jun 19 | 30 Jun 20 | 30 Jun 21 | 30 Jun 22 | | | | | | 1 |
| Income Tax Paid A\$m 0.0 0.0 0.0 -39.8 thriterest & Other A5m -9.3 19.4 -20.8 2-0.9 Charling A5m -9.3 19.4 2-20.8 2-0.9 Charling Activities A\$m -11.9 -22.2 43.9 149.5 Property, Plant & Equip. A\$m -11.9 -22.2 43.9 149.5 Exploration and Devel. A\$m -0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | | | | | | | | | | | | 0 |
| Poperating Activities | | | | | | | | | | | | |
| Sensitivity Analysis | | | | | | | | | | | Jun 21 | |
| Property, Plant & Equip. A\$m | | | | | | | | | | | | |
| Spot Prices A\$m -0.4 - | | | | | | | | \ | | | F | |
| Spot USD/AUD 0.79, Zinc \$1.31/lb,Lead \$1.06/lb. | | | | | | | | - | | | | 1 |
| A Shares Unit Shares Wited m 2861.8 3641.0 | | | | | | | 1 | | (142.5%) | | 69. | 6 (30 |
| Serrowings | | | | | | | | | 0/ / 0. 0011 | 47-1 | 00.0 / / 5 | 0/ / |
| Lead +/10% 0.26 / 0.24 (3.1% / -3.1%) 18.4 / 16.3 (6.2% / Production +/-10% 0.40 / 0.05 (59.9% / -80.8%) 38.6 / -3.9 (122.5% / -1 / Operating Costs +/10% 0.40 / 0.05 (59.9% / -80.8%) 38.6 / -3.9 (122.5% / -1 / Operating Costs +/10% 0.40 / 0.05 (59.9% / -80.8%) 38.6 / -3.9 (122.5% / -1 / Operating Activities A\$m 719.8 0.0 0.0 0.0 | investment Activities | ΑֆM | -53.0 | -334.5 | -266.2 | -0.4 | | | | | , | |
| Production +/10% | Borrowings | ۸٠ | 250.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| Operating Paid A\$m 0.0 | - | | | | | | | | | | | |
| Description Property Proper | | | | | | | | | | | | |
| Year Expires No. (m) Sm Avg price % Comparison School | | | | | | | | | | | | 70 / I |
| Net Cashflow | . manoning / tour moo | | | 0.0 | 0.0 | 0.0 | | 100 1111011 010 000 | | | | % or |
| Shares Unit 30 Jun 19 30 Jun 20 30 Jun 21 30 Jun 22 30 Jun 21 30 Jun 22 30 Jun 24 30 Jun 29 30 Jun 21 30 Jun 29 30 Jun 21 30 Jun 29 30 Jun 20 | Net Cashflow | A\$m | 654.8 | -356.7 | -222.3 | 149.1 | · · · · · · · · · · · · · · · · · · · | | | | - | (|
| Ordinary Shares - End m 3641.0 | | | | | | | | | | | | 4 |
| Ordinary Shares - End m 3641.0 3641.0 3641.0 3641.0 3641.0 3641.0 3641.0 3641.0 3641.0 3641.0 3641.0 30-Jun-21 0.0 | Shares | Unit | 30 Jun <u>19</u> | 30 Jun 20 | 30 Jun <u>21</u> | 30 Jun 22 | | | | | | (|
| Ordinary Shares - W'ted m 2861.8 3641.0 3641 | Ordinary Shares - End | | | | | | | | | | | (|
| Diluted Shares - W'ted m 2861.8 3641.0 | | | | | | | | | | | | (|
| National | Diditially Stiates - Wiled | m | | | | | 30-Jun-22 | | 0.0 | 0.0 | 0.00 | (|
| Cashflow Per Share A\$ cp: -0.4 -0.6 1.2 4.1 Cashflow Multiple x -19.2 -13.1 6.6 1.9 Other Assets/Exploration 30 0.01 Earnings Per Share A\$ cp: -0.7 -1.4 0.5 3.2 Forwards 0 0.00 Price to Earnings Ratio x -11.0 -5.9 16.8 2.5 Corporate Overheads -13 -0.01 Dividends Per Share AUD - - - - - Net Cash (Debt) 2 0.00 Dividend Yield % 0.0% 0.0% 0.0% Convertible notes (assumed converted to equity) 0 0.00 Net Debt / Net Debt + Equity -235% 16% 44% 22% Tax (NPV future liability) -77 -0.04 Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | • | | | | | | | | 19.0 | | 0.18 | 4 |
| Cashflow Multiple x -19.2 -13.1 6.6 1.9 Other Assets/Exploration 30 0.01 Earnings Per Share A\$ cp: -0.7 -1.4 0.5 3.2 Forwards 0 0.00 Price to Earnings Ratio x -11.0 -5.9 16.8 2.5 Corporate Overheads -13 -0.01 Dividends Per Share AUD - - - - Net Cash (Debt) 2 0.00 Dividend Yield % 0.0% 0.0% 0.0% Convertible notes (assumed converted to equity) 0 0.00 Met Debt / Net Debt + Equity -235% 16% 44% 22% Tax (NPV future liability) -77 -0.04 Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | | Unit | 30 Jun 19 | 30 Jun 20 | 30 Jun 21 | 30 Jun 22 | Valuation | | \$m | \$/shr | | |
| Earnings Per Share A\$ cp: -0.7 -1.4 0.5 3.2 Forwards 0 0.00 Price to Earnings Ratio x -11.0 -5.9 16.8 2.5 Corporate Overheads -13 -0.01 Dividend S Per Share AUD - - - - - Net Cash (Debt) 2 0.00 Dividend Yield % 0.0% 0.0% 0.0% Convertible notes (assumed converted to equity) 0 0.00 Net Debt / Net Debt + Equity -235% 16% 44% 22% Tax (NPV future liability) -77 -0.04 Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | Diluted Shares - W'ted | | -0.4 | -0.6 | 1.2 | 4.1 | - | 12%) | 590 | 0.28 | | |
| Price to Earnings Ratio x -11.0 -5.9 16.8 2.5 Corporate Overheads -13 -0.01 Dividends Per Share AUD Net Cash (Debt) 2 0.00 Dividend Yield % 0.0% 0.0% 0.0% 0.0% Convertible notes (assumed converted to equity) 0 0.00 Vet Debt / Net Debt + Equity % -235% 16% 44% 22% Tax (NPV future liability) -77 -0.04 Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | Diluted Shares - W'ted Ratio Analysis | A\$ cps | -10.2 | -13.1 | | | Other Assets/Exploration | | | | | |
| Dividends Per Share AUD - - - - Net Cash (Debt) 2 0.00 Dividend Yield % 0.0% 0.0% 0.0% 0.0% Convertible notes (assumed converted to equity) 0 0.00 Net Debt / Net Debt + Equity % -235% 16% 44% 22% Tax (NPV future liability) -77 -0.04 Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | Diluted Shares - W'ted Ratio Analysis Cashflow Per Share | | 10.2 | -1 4 | 0.5 | | Forwards | | | 0.00 | | |
| Dividend Yield % 0.0% 0.0% 0.0% 0.0% Convertible notes (assumed converted to equity) 0 0.00 Net Debt / Net Debt + Equity % -235% 16% 44% 22% Tax (NPV future liability) -77 -0.04 Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | Diluted Shares - W'ted Ratio Analysis Cashflow Per Share Cashflow Multiple | x | | | | 2.5 | 1 | | | | | |
| Net Debt / Net Debt + Equity % -235% 16% 44% 22% Tax (NPV future liability) -77 -0.04 Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | Diluted Shares - W'ted Ratio Analysis Cashflow Per Share Cashflow Multiple Earnings Per Share | x A\$ cps | -0.7 | | 16.8 | 2.5 | Not Cook (Dobt) | | | | | |
| Interest Cover X na na 1.8 8.5 Options & Other Equity 2 0.00 | Diluted Shares - W'ted Ratio Analysis Cashflow Per Share Cashflow Multiple Earnings Per Share Price to Earnings Ratio Dividends Per Share | X A\$ cps X AUD | -0.7 -11.0 | -5.9 - | - | - | | | | | | |
| | Diluted Shares - W'ted Ratio Analysis Cashflow Per Share Cashflow Multiple Earnings Per Share Price to Earnings Ratio Dividends Per Share Dividend Yield | x A\$ cps x AUD % | -0.7 -11.0 - 0.0% | -5.9 - 0.0% | 0.0% | 0.0% | Convertible notes (assumed converted to e | quity) | 0 | 0.00 | | |
| Return on Equity % na na 5% 24% Total 534 0.25 | Diluted Shares - W'ted Ratio Analysis Cashflow Per Share Cashflow Multiple Earnings Per Share Price to Earnings Ratio Dividends Per Share Dividend Yield Net Debt / Net Debt + Equi | x A\$ cps x AUD % | -0.7 -11.0 - 0.0% | -5.9 - 0.0% | 0.0% 44% | - 0.0% 22% | Convertible notes (assumed converted to en Tax (NPV future liability) | quity) | 0 -77 | 0.00 -0.04 | | |
| | Diluted Shares - W'ted Ratio Analysis Cashflow Per Share Cashflow Multiple Earnings Per Share Price to Earnings Ratio Dividends Per Share Dividend Yield Net Debt / Net Debt + Equi | X A\$ cps X AUD % ity % X | -0.7 -11.0 - 0.0% -235% na | -5.9 - 0.0% 16% na | 0.0% 44% 1.8 | 0.0% 22% 8.5 | Convertible notes (assumed converted to e Tax (NPV future liability) Options & Other Equity | quity) | 0 -77 2 | 0.00 -0.04 0.00 | | |

PRICE TARGET

Our price target is a blended valuation based on a scenario of different of commodity price assumptions and capital raising prices. We have a price target of 30cps (from 33cps).

Fig. 2: Price Target Methodology

| Price Target Methodology | Weighting | Spot | 12 mth out |
|---|-----------|---------|------------|
| NPV base case, assuming significant equity dilution | 40% | \$0.25 | \$0.28 |
| NPV at spot commodity and fx prices | 15% | \$0.61 | \$0.67 |
| AUD zinc price calls (1.9Mt over 12yrs, avg strike @A\$0.94/lb) | 5% | \$0.57 | \$0.57 |
| Net cash | 35% | \$0.00 | \$0.00 |
| NPV using spot fx, but zinc prices at US\$1.30/lb, no equity dilution | 5% | \$0.97 | \$1.09 |
| Risk weighted composite | | \$0.27 | |
| 12 Months Price Target | | \$0.30 | |
| Shareprice - Last | | \$0.080 | |
| 12 mth total return (% to 12mth target + dividend) | | 269% | |
| Comment the allow Fatherste | | | |

Source: Hartleys Estimate

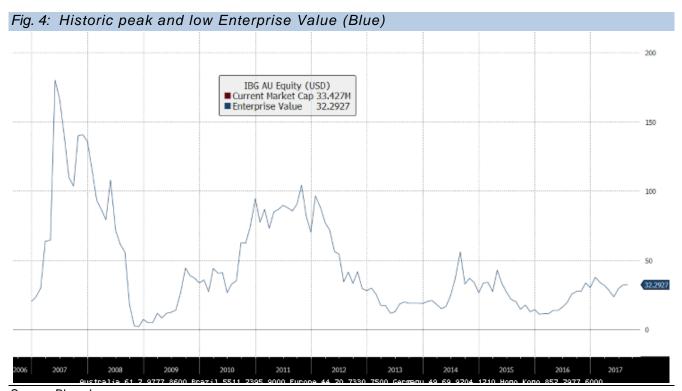
Source: Hartleys

Fig. 3: High leverage to zinc prices

| Zinc Price | | Base Case | | | | Lower Bull Case | | | Maximum Bull Case | | | |
|---------------|------|-----------|-------------|-------------|----|-----------------|-------------|--------------------|-------------------|------------|--|--|
| pe | r lb | | (aggressive | e dilution) | | (100% equi | ity funded) | (100% debt funded) | | | | |
| | | IB | G Val. | New Shares | I | BG Val. | New Shares | IB | G Val. | New Shares | | |
| AUD* | USD | (A | \$/shr) | (m) | (, | A\$/shr) | (m) | (A | \$/shr) | (m) | | |
| 0.76 | 0.60 | | | n/a | | | n/a | | | 0 | | |
| 0.89 | 0.70 | | | n/a | | | n/a | | | 0 | | |
| 1.01 | 0.80 | | | n/a | | | n/a | | | 0 | | |
| 1.14 | 0.90 | \$ | 0.02 | 10938 | \$ | 0.02 | 23337 | \$ | 0.19 | 0 | | |
| 1.27 | 1.00 | \$ | 0.16 | 1690 | \$ | 0.17 | 2787 | \$ | 0.38 | 0 | | |
| 1.39 | 1.10 | \$ | 0.26 | 1111 | \$ | 0.33 | 1501 | \$ | 0.58 | 0 | | |
| 1.52 | 1.20 | \$ | 0.35 | 898 | \$ | 0.50 | 1027 | \$ | 0.77 | 0 | | |
| 1.64 | 1.30 | \$ | 0.44 | 787 | \$ | 0.68 | 780 | \$ | 0.97 | 0 | | |
| 1.77 | 1.40 | \$ | 0.52 | 719 | \$ | 0.86 | 630 | \$ | 1.16 | 0 | | |
| 1.90 | 1.50 | \$ | 0.60 | 674 | \$ | 1.04 | 528 | \$ | 1.36 | 0 | | |
| 2.02 | 1.60 | \$ | 0.68 | 641 | \$ | 1.23 | 454 | \$ | 1.56 | 0 | | |
| 2.15 | 1.70 | \$ | 0.76 | 616 | \$ | 1.41 | 399 | \$ | 1.75 | 0 | | |
| 2.28 | 1.80 | \$ | 0.84 | 596 | \$ | 1.60 | 355 | \$ | 1.95 | 0 | | |
| 2.40 | 1.90 | \$ | 0.91 | 580 | \$ | 1.79 | 320 | \$ | 2.13 | 0 | | |
| 2.53 | 2.00 | \$ | 0.99 | 567 | \$ | 1.98 | 292 | \$ | 2.33 | 0 | | |
| AUD/USD* 0.79 | | | | | - | | | • | | | | |

71007000 0.75

Source: Hartleys Research



Source: Bloomberg

Fig. 5: Zinc Price assumptions





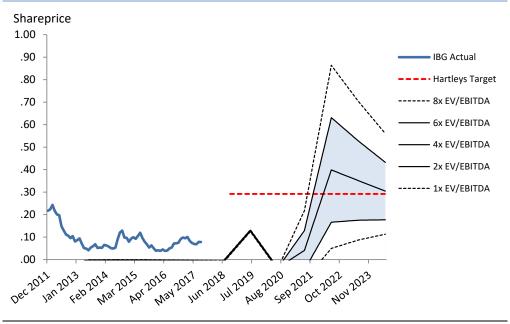
Source: Hartleys, IRESS

| Fig. 6: Key assumptions | and risks for valu | ıation | |
|---|-------------------------------------|--|---|
| Assumption | Risk of not realising assumption | Downside risk to valuation if assumption is incorrect | Comment |
| Fourteen year mine life | Low | Upside | The current high grade resource implies a mine life of >15years. |
| Zinc price fall | Moderate | Substantial | Our zinc price assumptions imply prices fall over coming years. |
| Large proportion of capex is funded with debt | Moderate to high | Not meaningful | The long mine life should support debt funding |
| Equity can be raised at prices higher than current | Moderate to high | Substantial | We assume that if the project is developed, it will be because the economics (zinc price) are compelling, and the shareprice will better reflect the fundamental value of Citronen in a high zinc price environment |
| Conservatively, we don't assume NFC exercises its right to purchase 19.9% of the project. | Moderate | Upside | We assume the project equity is financed by IBG shareholders, and they do not receive an equity injection from any "farm-out" |
| Limited value for exploration and other projects | Moderate | Upside | The other assets may have exploration success |
| Conclusion | IBG still has funding risk, | | prices increase (in our view). Consequently, we view to strong zinc prices. |

Source: Hartleys

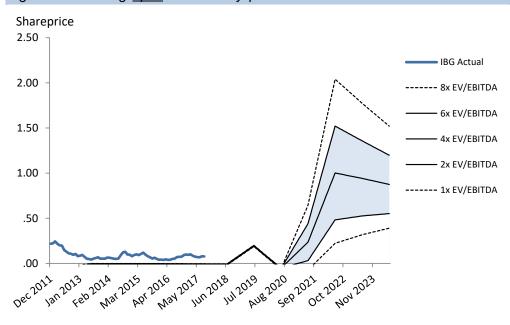
EV/EBITDA BANDS

Fig. 7: Using <u>Hartleys base case commodity</u> forecasts



Source: Hartleys Estimates, IRESS

Fig. 8: Using spot commodity prices



Source: Hartleys Estimates, IRESS

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Hartleys Recommendation Categories

| Buy | Share price appreciation anticipa | ated. |
|-----|-----------------------------------|-------|
| | | |

Accumulate Share price appreciation anticipated but the risk/reward is

not as attractive as a "Buy". Alternatively, for the share price to rise it may be contingent on the outcome of an uncertain or distant event. Analyst will often indicate a

price level at which it may become a "Buy".

Neutral Take no action. Upside & downside risk/reward is evenly

balanced.

Reduce / It is anticipated to be unlikely that there will be gains over Take profits the investment time horizon but there is a possibility of

some price weakness over that period.

Sell Significant price depreciation anticipated.

No Rating No recommendation.

Speculative Share price could be volatile. While it is anticipated that, Buy on a risk/reward basis, an investment is attractive, there

on a risk/reward basis, an investment is attractive, there is at least one identifiable risk that has a meaningful possibility of occurring, which, if it did occur, could lead to significant share price reduction. Consequently, the

investment is considered high risk.

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