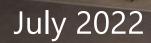


# Europe's new source of strategic metals

London Investor Roadshow



ASX: ADT | LSE: ADT1 | OTCQX: ADMLF | adriaticmetals.com

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In accordance with ASX Listing Rule 5.23, the Company confirms that the Exploration Results disclosed in this presentation were first disclosed in accordance with ASX Listing Rule 5.7 in the Company's announcements dated 11 May 2020, 2 Sept 2020, 3 Dec 2020 & 27 Jan 2021. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous announcements.

The Mineral Resource estimate for the Rupice underground deposit comprising part of the Vares Silver Project was announced in accordance with ASX Listing Rule 5.8 on 1 September 2020. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous announcement and that all material assumptions and technical parameters underpinning the estimate in the previous announcement continue to apply and have not materially changed.

The Ore Reserve estimate for the Rupice deposit was announced in accordance with ASX Listing Rule 5.9 on 19 August 2021. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous announcement and that all material assumptions and technical parameters underpinning the estimate in the previous announcement continue to apply and have not materially changed.

In accordance with ASX Listing Rule 5.19, the Company confirms that the production targets and forecast financial information for the Vares Project disclosed in this presentation were first disclosed in accordance with ASX Listing Rules 5.16 and 5.17 in the Company's announcement dated 19 August 2021. The Company confirms that all the material assumptions underpinning the production target and the forecast financial information in the previous announcement continue to apply and have not materially changed.

The Company is required to report reserves and resources in accordance with JORC 2012. You should note that while the Company's reserve and resource estimates comply with the JORC 2012, they may not comply with the relevant guidelines in other countries and, in particular, do not comply with (i) National Instrument 43-101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators and (ii) Industry Guide 7, which governs disclosures of mineral reserves in registration statements filed with the US Securities and Exchange Commission. Information contained in this presentation describing the Company's mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of Canadian or US securities laws. In particular, Industry Guide 7 does not recognise classifications other than proven and probable reserves and, as a result, the SEC generally does not permit mining companies to disclose their mineral resources in SEC filings. You should not assume that quantities reported as "resources" will be converted to reserves under the JORC Code or any other reporting regime or that the Company will be able to legally extract them.

This presentation contains certain statements which may constitute "forward looking statements". The forward looking statements in this presentation apply only as at the date of this presentation. Any forward looking statements in this presentation involve subjective judgment and analysis and are subject to significant uncertainties, risks and contingencies and other factors. Such factors, which may cause the actual results, performance or achievements of Adriatic and/or its subsidiaries to be materially fifterent from any future results, performance or achievements expressed or inscingencies and other factors include, among tates, conomic, competitive, political and social uncertainties; the actual results of current exploration activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; possible variations of ore grade or recovery rates; failure of plant, equipment or processes to operate as anticipated; accident, labour disputes and other factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements where as a result of the date of this presentation and Adriatic and/or instead actives the actual results of current exploration activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; possible variations of ore grade or recovery rates; failure of plant, equipment or processes to operate as anticipated; accident, labour disputes and other risks of the mining industry; and delays in obtaining governmental approvals or financing or in the completion of development or construction activities. There materially from those described in forward-looking statements, whether as a result of new information, future events or results or otherwise. There can be no assurance that forward-looking statements will prove to be accurate, as actual results or opinions should change. Accordingly, the reader is cautioned not to place undue results and future eve

News releases, presentations and public commentary made by Adriatic and its officers may contain certain statements and expressions of belief, expectation or opinion which are forward looking statements, and which relate, inter alia, to interpretations of exploration results to date and the Company's proposed strategy, plans and objectives or to the expectations or intentions of the Company's directors. Such forward-looking and interpretative statements involve known and unknown risks, uncertainties and other important factors beyond the control of the Company's directors. Such forward-looking statements. Accordingly, the reader should not rely on any interpretations or forward-looking statements; and save as required by the exchange rules of the ASX and LSE or by applicable laws, the Company does not accept any obligation to disseminate any updates or revisions to such interpretations or forward-looking statements. The Company may reinterpret results to date as the status of its assets and projects changes with time expenditure, metals and other affecting circumstances.

### Rapid rate of project development

#### Bosnia and Herzegovina



#### AN ATTRACTIVE MINING JURISDICTION

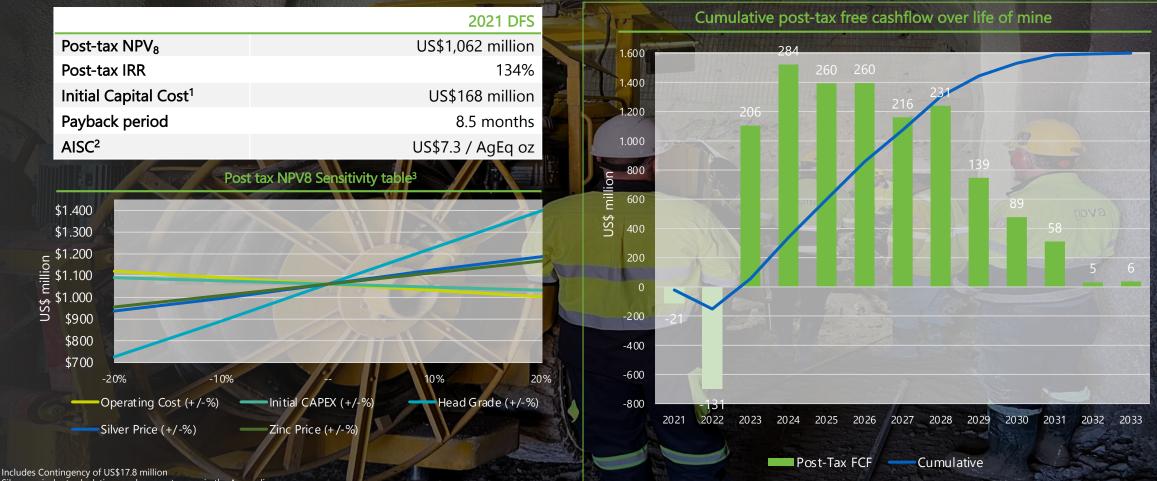
- Well positioned in central Europe with extensive access to rail networks linking European smelters and the seaborne market
- Strong mining history and highly skilled workforce
- 10% corporate tax and favourable royalty regime
- Publicly supportive government

#### RAPID RATE OF PROJECT DEVELOPMENT

- Acquired in 2017
- ASX listing 2018
- Maiden Resource and LSE listing 2019
- PFS published 2020
- DFS, financing and start of construction in 2021
- Fully permitted 2022
- Production commencing June 2023

### Vares silver project

#### Highly robust economics



Silver equivalent calculations and parameters are in the Appendices

Of the commodities that make up the Vares Project, the NPV<sub>8</sub> is most sensitive to changes in silver and zinc prices. The base case price assumptions are at US\$24/oz silver and US\$3,000/t zinc

## High-grade, low-cost mining

Key inputs to 2021 DFS

LOM Schedule		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Tonnes	kt	638	800	800	800	802	800	794	775	769	260	56
Feed Grade				2	1	1						
Silver	g/t	340	242	199	204	231	240	182	127	110	98	186
Zinc	%	6.6%	9.0%	9.5%	8.7%	5.4%	5.9%	3.7%	2.6%	1.8%	1.3%	1.4%
Lead	%	4.4%	5.4%	5.7%	5.0%	3.3%	3.7%	2.6%	1.9%	1.3%	1.0%	1.6%
Copper	%	0.7%	1.0%	1.1%	0.9%	0.6%	0.5%	0.4%	0.3%	0.3%	0.3%	0.4%
Gold	g/t	2.8	2.5	2.1	2.3	2.3	2.2	1.6	1.0	0.7	0.6	0.9
Barite	%	42%	35%	30%	34%	37%	37%	30%	23%	23%	26%	57%
Antimony	%	0.2%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%
Sustaining Capex	US\$M	4	12	6	3	3	0	3	1	0	Ø	1

		Zinc Con	centrate		Silver-Lead Concentrate						
Metal	Recovered Metal	Payable Metal	Grade	Recovery	Recovered Metal	Payable Metal	Grade	Recovery			
Ag	8,522 koz	5,085 koz	457g/t	18%	33,723 koz	32,034 koz	2,051g/t	71%			
Zn	333.4 kt	283.4 kt	57.4%	80%	44.8 kt	1.1 kt	8.8%	11%			
Pb	17.0 kt	Frit S	2.9%	7%	224.8 kt	209.5 kt	44.0%	86%			
Cu	6.2 kt	-	1.1%	14%	35.9 kt	6.6 kt	7.0%	80%			
Au	107 koz	59 oz	5.7g/t	24%	175 oz	159 oz	10.7g/t	40%			
Sb	1.1 kt	-	0.2%	6%	14.8 kt	13.3 kt	2.9%	88%			

Operating Co	sts \$/t milled
Mining	30.0
Processing	30.3
G&A	7.7
Total Site Ope	<b>x</b> 68.0
Refining & Tra	insport 35.7
Cash Cost	103.7
All-in Sustaini	<b>ng Cost</b> 108.1

Offtake allocated for 82% total projected concentrate production over the first 24 months of production

Remaining 18% intentionally held back for advantageous spot market sales

### Cash cost curve

One of the lowest cost new silver projects globally



### **Corporate strategy** Build long term value for shareholders

### Generate nearterm cash flow

- Focused on bringing Vares to production
- Generate consistent operating track record
- Build cash reserves

### Extend Vares mine life to 20+ years

- Continue exploration to add ore reserves to mine plan
- Explore new greenfield opportunities within existing Vares concession

### Multi asset diversification

- Target value accretive assets
- Focus on Europe
- Adopt disciplined capital allocation

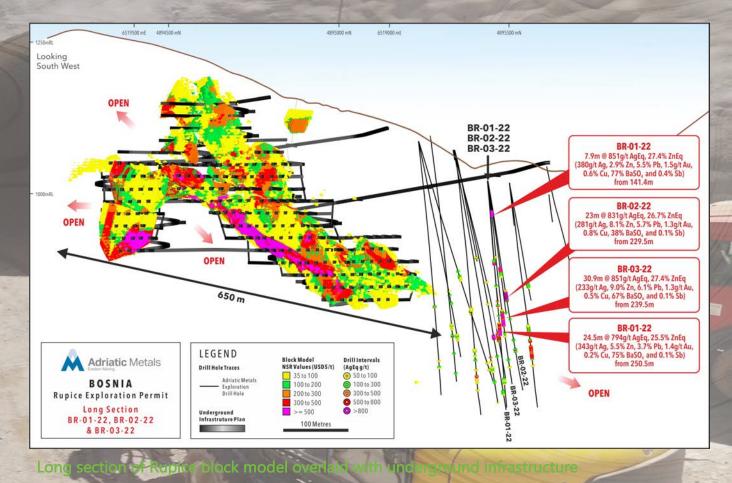
### Rupice deposit – 10+ years and growing Significant opportunity to increase mine life

#### Rupice Northwest – New mineralised zone

- Current Reserve at Rupice of 120Moz AgEq (7.3Mt @ 469g/t AgEq)
- New step-out drilling of 3 holes 90m NW of Rupice intercepted thick, high-grade, massive sulphide mineralisation similar to the Rupice orebody
- High potential to access new zone from existing underground infrastructure

#### Next steps

- Targeting additional assay results to be released in September
- Drilling to continue testing NW and SE zones along strike
- Application made to extend concession boundary further NW
- Upgrade Inferred Resource areas to Indicated category, expected to increase Reserves



### Increasing regional footprint Capturing the exploration potential

- 42km<sup>2</sup> land package capturing a 22km long alteration corridor
- Applications made to extend concession area boundary NW of Rupice, plus areas around Droskovac
- New drilling contractor appointed in February 2022
- 2022 exploration budget of US\$5.5m (22,000 metres), targeting
  - NW and SE along strike of Rupice
  - Droskovac (~4,000m)
  - SP1 & SP2 (~1,000m)
  - Barice & Brgule (subject to field mapping results)



### Project development timeline

	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	
Construction decision / development starting	<b>v</b>							
Order long-lead mechanical equipment items	<b>v</b>							
Underground decline development of upper and lower portals at Rupice		<b>v</b>						Il
Vares Processing Plant site construction		<b>v</b>						
Haul road construction								RT
Underground development reaches orebody / stoping starts								
Commence plant commissioning								
First production / export								
	all a		100 M			11118		



### Vares project financing package Fully funded to production with a healthy buffer

Source of fundsUS\$ millionCash on hand at start of construction1112.0Senior Secured Debt2120.0Copper Stream222.5Total available funding254.5

Use of funds	US\$ million
Vares Project Initial Capital Cost <sup>3</sup>	168.2
Exploration	10.0
Working Capital and Corporate Costs	28.3
Provision for Convertible Bond repayment <sup>4</sup>	20.0
Unallocated cash reserves	28.0
Total Uses	254.5

Cash on hand at 31 December 2021, which is approximately when construction activities commenced

- Fully executed on10 January 2022. Pending competition of conditions precedent before draw down can occur
- Initial Capital Cost of US\$168.2 million includes US\$17.8 million of contingency
- US\$20 million convertible bond from Queens Road Capital requires either redemption or conversion prior to first drawdown of the debt financing package with Orion Resource Partners
- . Calculated as US\$45.8 million / US\$150.4 million (calc: Unallocated cash reserves of US\$28.0 million + Contingency included in Initial Capital Cost of US\$17.8 million, divided by Initial Capital Cost of US\$168 million less US\$17.8 million of included contingency). Assumes convertible Bond is repaid in full

The US\$244.5 million project finance package consisting of:

- US\$142.5 million debt financing package with Orion Resource Partners<sup>2</sup>, consisting of:
- US\$120.0 million senior secured debt
- US\$22.5 million copper stream

#### US\$102.0 million equity raise completed, consisting of:

- US\$50.0 million direct subscription by Orion Resource Partners
- US\$52.0 million placing

Total available cash for Project contingency	US\$ million
Contingency included in Initial Capital Cost <sup>3</sup>	17.8
Unallocated cash reserves	28.0
Total available contingency	45.8

Current available funding can support up to 30% increase in initial project capital costs<sup>5</sup>

# Sustainability risk management Clear operational goals and transparent disclosure

Pre 2022	2022	Post 2022
GOVERNANCE	PERFORMANCE	PRIORITIES
Develop community and investor confidence	Implement sustainability strategy and track performance	Mitigate risk, create shared value and maintain social license to operate
<ul> <li>Established Sustainability Committee and Operational Sustainability Steering Group</li> <li>Introduced Climate Change, Environment, Social Performance and Community policies</li> <li>Positive local engagement and feedback to Environmental &amp; Social Impact Assessment (ESIA)</li> <li>Developed sustainability strategy</li> <li>Executive remuneration (STIP) linked to sustainability criteria</li> </ul>	<ul> <li>Development of OH&amp;S systems</li> <li>Gender diversity: 25% workforce &amp; 33% board are women</li> <li>Employee engagement: 68%</li> <li>Concession fees in line with EITI transparency</li> <li>Low projected GHG emissions per unit of metal recovered</li> <li>Maiden TCFD disclosure</li> </ul>	<ul> <li>Implement ESIA commitments through Environmental &amp; Social Action Plan (ESAP)</li> <li>Develop clean energy sources for Eastern Mining subsidiary and local community</li> <li>Strict focus on contractor management through mine construction phase</li> <li>Develop decarbonisation &amp; net-zero strategy</li> <li>Target local employment and procurement where possible</li> </ul>
WE ARE RESPONSIBLE FOR OUTCOMES		WHERE POSSIBLE WE RESPECT AND ENHANCE OUR ENVIRONMENT WE CONNECT THROUGH INTEGRITY

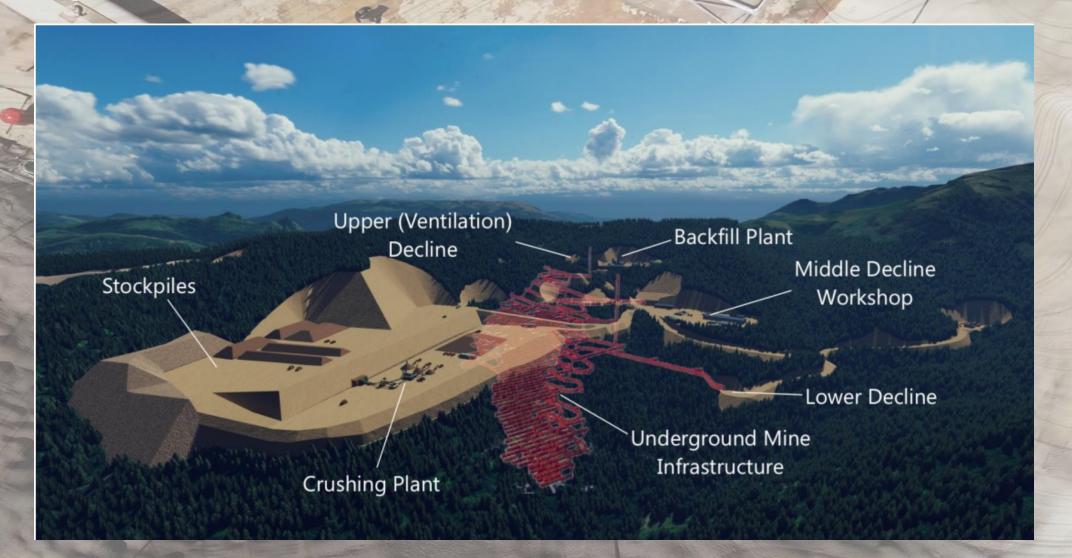
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# Creating shared prosperity Stakeholders working together towards a common goal

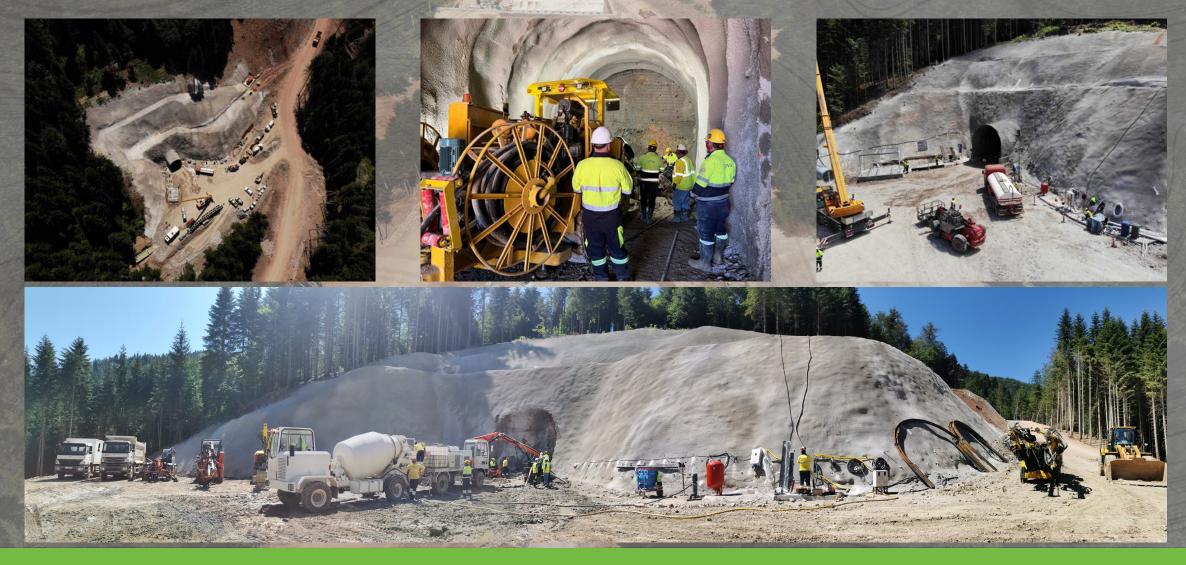
\$177m	25%	\$1.88b	1.5%
in corporate & income tax payments over mine life	of Bosnian foreign direct investment <sup>1</sup>	in revenue over first 5 years: Bosnia's largest exporter	contribution to Bosnian GDP during operations
\$23m	450	25%	Strong
made to date in direct payments to Government <sup>2</sup>	employees – peak requirement	of the workforce is female: committed to workplace diversity	local Government and community support
<ol> <li>This is a peak figure (during Project LOM) calculated usi</li> <li>Calculated to date and over the Vares Project LOM</li> </ol>	ng 2020 FDI plus consecutive ADT inputs		3111

### Rupice surface infrastructure



16

# Rupice site – lower portal & decline



### Mining contractor mobilisation





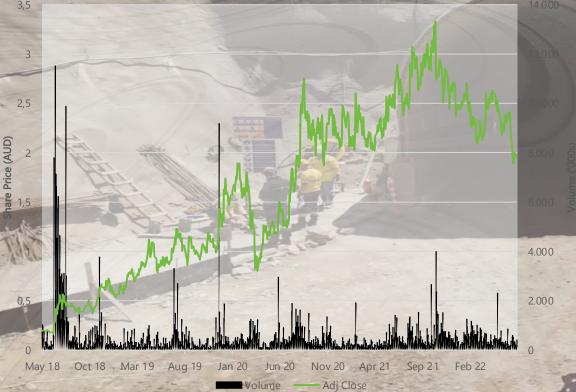
### Vares processing plant





### Corporate structure Market capitalisation trading at <0.4x to NAV

Share Price Performance of ASX:ADT since IPO



As at 30 June 2022

Estimated cash balance as at 30 June 2022, All currency ratios as of 30 June 2022, except for convertible loan (see point 3). US\$20m convertible note issued by Queens Road Capital, as announced 27 Oct 2020; 8,5% coupon with a conversion price of A\$2.7976 - equivalent to circa 9.5m shares. This will be redeemed from existing cash balance prior to drawdown of Orion debt facility. The Orion debt facility is excluded from the enterprise value calculation as it has not yet been drawn down and spent (see Slide; <u>Vares project financing packae</u> for more information)

Numbers may not add up due to rounding

Analyst coverage	the set		
Stifel Nicholas Europe		: Capital	
Tamesis Partners		cord Genuity	
Hannam & Partners	Euroz	Hartleys	
Shareholder Breakdown	155	The	
Founders, Board & Management			15.6%
Helikon Investments			15.0%
Orion Resource Partners			9.1%
Fidelity			4.8%
Datt Capital			3.2%
Sprott Asset Management			2.9%
Old West Investment			2.0%
European Bank for Reconstruction	& Development		2.0%
Global X			1.8%
Premier Miton			1.7%
Janus Henderson			1.4%
Capital Structure			
Ticker	LSE:ADT1	OTC:ADMLF	ASX:ADT
Share Price <sup>1</sup>	£1.14	US\$1.30	A\$1.95
Outstanding Shares on Issue <sup>1</sup>		266.4M	
Options, Perf. Rights & Warrants <sup>1</sup>		16.0M	
Convertible Debentures <sup>3</sup>		9.5M	
Fully Diluted Share Capital <sup>1</sup>		291.8M	
Market Cap <sup>1</sup>	£333M	US\$379M	A\$569M
Cash <sup>2</sup>	£68M	US\$83M	A\$120M
Convertible Debt <sup>3</sup>	£16M	US\$20M	A\$29M
Enterprise Value	£249M	US\$276M	A\$420M
Orion Debt Facility (undrawn) <sup>4</sup>	£117M	US\$143M	A\$207M
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### Investment highlights Europe's new source of strategic metals



One of the

polymetallic

highest

margin

projects



**Fully funded** 

with healthy

cash buffer



Strong local & government to production support – social licence to operate and fully permitted

Precious & base metal exposure

**High-quality** shareholder register

**Best global** practices in all areas of sustainability





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# Contact us

Paul Cronin CEO & Managing Director

Buchanan Adriatic@buchanan.uk.com

info@adriaticmetals.com

and the second

### Adriatic Metals

# Appendices

# Leadership Highly experience team dedicated to building the Vares project



### **Board of Directors**

#### Successful track record & strong shareholder alignment

#### Capital Markets & Corporate Development



#### Michael Rawlinson Non-Executive Chairman

A financier with previous experience as the Global Co-Head of Mining and Metals at Barclays investment bank and helped found the boutique investment bank, Liberum Capital in 2007.

Audit & Risk Committee and Environmental, Social & Governance Committee.



#### Paul Cronin **CEO** and Managing Director

A financier with over 20 years' experience in corporate finance, investment banking, funds management, and commodity trading, with a strong European mining focus.

Founder of the company and major shareholder.



#### **Corporate & Social Responsibility**



#### Sandra Bates Non-Executive Director

A commercial and strategic international lawyer with over 20 years' experience, advising management teams and boards of both international and UK companies.

Audit & Risk Committee\* and Remuneration & Nominations Committee.

#### Sanela Karic Non-Executive Director

A Bosnian-based lawyer with over 15 years' experience spanning corporate affairs, M&A and HR. Currently Chief Legal Counsel at Prevent Group, Bosnia's largest diversified industrial corporation.

Environmental, Social & Governance Committee\*.

#### **Exploration & Development**



#### Peter Bilbe Non-Executive Director

A mining engineer with 40 years' experience in gold, base metals and iron ore at the operational, CEO and board levels.

Remuneration & Nominations Committee\* and Audit & Risk Committee.



#### Julian Barnes Non-Executive Director

A geologist with extensive experience in major exploration and development projects having a particularly strong focus on Balkan mining and development.

Audit & Risk Committee, Remuneration & Nominations Committee.

\* Denotes Chairperson.

### Bosnia & Herzegovina

#### Proven to be a great place to do business

#### Business & mining friendly

- Clear and concise mining code in a stable democracy
- 10% corporate tax

Specific to the Zenica-Doboj canton

- Publicly supportive local government
- Low royalty of US\$2.23/t ROM (equivalent to ~1% NSR)<sup>1</sup>

#### Vares' significance to Bosnia

- Single largest mining FDI into Bosnia and represents 25% of FDI<sup>2</sup>
- 1.5% contribution to GDP during operations
- Bosnia's largest exporter in first 5 years of production
- \$177M in corporate and income tax payments over mine life

#### Accelerated track record of delivery

- Exploration and permitting process less than four years
  - Exploitation permit awarded in 2021



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This is a peak figure (during Project LOM) calculated using 2020 FDI plus consecutive ADT inputs.

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### Sustainability impact opportunities

Supporting initiatives that leave a long-term positive legacy



Charitable Trust setup to invest in community determined projects:

- Youth and further education
- Environmental protection
- Healthcare services

Seed funding provided by the directors of Adriatic Metals and commercial partners

Ongoing funding provided by profits from operations with independent oversight

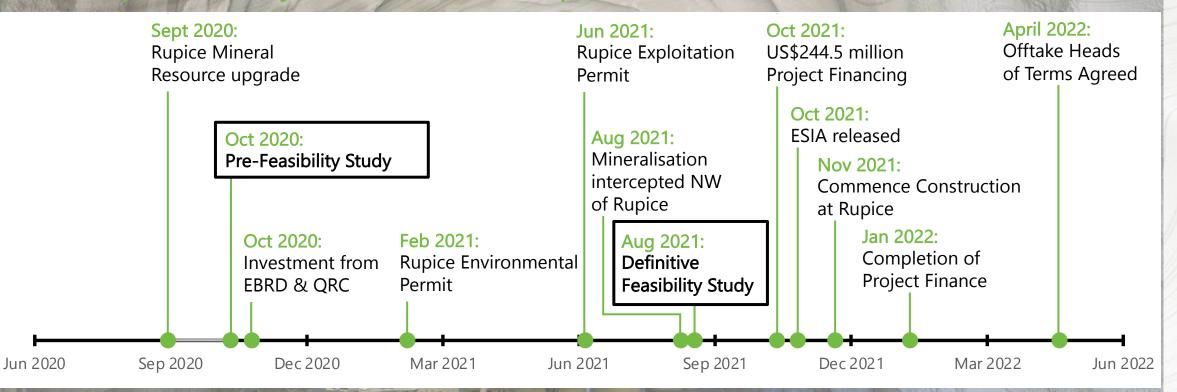
#### Current community initiatives

- Established partnership with healthcare provider to build medical facilities in Vares
- Relaunched underground mining course at Vares High School
- Scholarships granted to Breza, Kakanj and Vares school children
- Free English language lessons open to all



### Rapid rate of project development

mary of Vares Project achievements over past 24 months



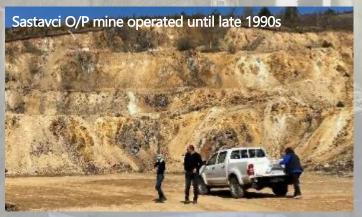
FROM DISCOVERY TO COMMENCING CONSTRUCTION IN 4.5 YEARS

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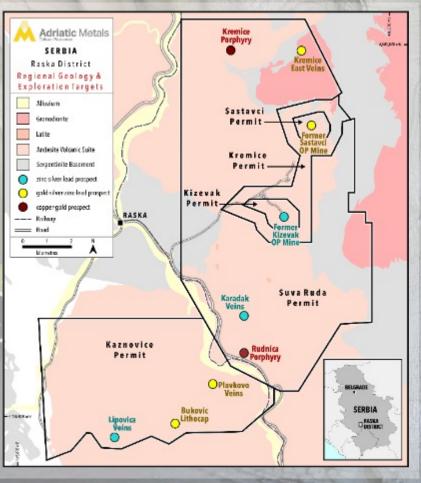
### Raska zinc-silver project, Serbia

erexplored region in a jurisdiction rich with world-class deposits

- Prospective 130km<sup>2</sup> land package around two historic zinc-silver mines
- Three diamond core drill rigs in operation each targeting the Kizevak, Sastavci & Karadak Prospects
- Recently acquired the adjacent Kaznovice licence
- Mineralisation close to surface leading to low-strip ratio, open-pit potential
- Targeting maiden JORC Mineral Resource Estimate and Scoping Study this year







### **Ore Reserves**

#### Vares Silver Project Ore Reserve Estimate, August 2021

Deposit	JORC Class.	Ore	AgEq	Ag	Zn	Pb	Au	Cu	Sb
		Mt	g/t	g/t	%	%	g/t	%	%
Rupice	Probable	7.3	469	202	5.7	3.6	1.9	0.6	0.23

The Ore Reserves for the Vares Silver Project deposits have been estimated in accordance with the JORC Code. The Indicated Mineral Resources are inclusive of those Mineral Resources modified to produce the Ore Reserves. The JORC Code defines an Ore Reserve as: "An 'Ore Reserve' is the economically mineable part of a Measured and/or Indicated Mineral Resource. It includes diluting materials and allowances for losses, which may occur when the material is mined or extracted and is defined by studies at Pre-Feasibility level as appropriate that include application of Modifying Factors. Such studies demonstrate that, at the time of reporting, extraction could reasonably be justified." The Ore Reserve assumes a direct conversion between Indicated Mineral Resources and Probable Ore Reserves.

- Mineral Resources are based on JORC Code definitions. The Ore Reserves were prepared under the reporting guidelines of JORC 2012.
- It is the opinion of Adriatic Metals and the Competent Persons that all elements and products included in the metal equivalent formula have a reasonable potential to be recovered and sold Rows and columns may not add up exactly due to rounding
- Metal prices as per the 2021 DFS as announced on the 19 August 2021, payabilities and recoveries have been applied
- AgEq Silver equivalent was calculated using conversion factors of 37.3 for Zn, 28.6 for Pb, 72.0 for Au, 118.2 for Cu and 28.6 for Sb

The applied formula was: AgEq = Ag(g/t) \* 89% \* 88% + 37.3 \* Zn(%) \* 91% \* 75% + 28.6 \* Pb(%) \* 92% \* 87% + 72.0 \* Au(g/t) \* 64% \* 77% + 118.2 \* Sb(%) \* 95% \* 84% + 28.6 \* Cu(%) \* 94% \* 16%

- The Ore Reserves are stated as in-situ dry metric tonnes.
- Probable Ore Reserves were derived from Indicated Mineral Resources.
- There are no known legal, political, environmental, or other risks that could materially affect the potential Ore Reserves.

### **JORC Mineral Resources**

#### Rupice Mineral Resources, August 2020

			Grades								Contained Metal							
A LOR IN	Class.	(Mt)	AgEq (g/t)	Ag (g/t)	Zn (%)	Pb (%)	Cu (%)	Au (g/t)	BaSO₄ (%)	Sb (%)	AgEq (Moz)	Ag (Moz)	Zn (kt)	Pb (kt)	Cu (kt)	Au (koz)	BaSO₄ (kt)	Sb (kt)
	Ind.	9.5	450	176	4.9	3.1	0.5	1.6	29	0.2	137	54	465	294	52	500	2,730	21
7	Inf.	2.5	111	49	0.9	0.7	0.2	0.3	9	0.1	9	4	23	18	4	27	218	3
	Total	12.0	387	149	4.1	2.6	0.5	1.4	25	0.2	149	58	488	312	56	526	2,948	24

Veovaca Mineral Resources, July

3					Gra	des		Contained Metal						
1 5	Class.	(Mt)	AgEq (g/t)	Ag (g/t)	Zn (%)	Pb (%)	Au (g/t)	BaSO₄ (%)	AgEq (Moz)	Ag (Moz)	Zn (kt)	Pb (kt)	Au (koz)	BaSO₄ (kt)
	Ind.	5.3	225	50	1.6	1.0	0.1	16	38	9	83	55	14	860
	Inf.	2.1	116	17	1.1	0.5	0.1	6	8	1	23	11	4	123
-	Total	7.4	193	41	1.4	0.9	0.1	13	46	10	106	66	18	984

- Mineral Resources are based on JORC Code definitions It is the opinion of Adriatic Metals and the Competent Person that all elements and products included in the metal equivalent formula have a reasonable potential to be recovered and sold Rows and columns may not add up exactly due to rounding
- Ind. = Indicated
- Inf. = Inferred

A cut-off grade of 50g/t silver equivalent has been applied

AgEq - Silver equivalent was calculated using conversion factors of 32.4 for Zn, 25.9 for Pb, 79.2 for Au, 1.9 for BaSO4, 84.2 for Cu and 84.2 for Sb. Metal prices used were US\$2,500/t for Zn, US\$2,000/t for Pb, \$150/t for BaSO4, \$2,000/oz for Au, \$24/oz for Ag, \$6,500/t for Sb and \$6,500 for Cu. ZnEq - zinc equivalent is calculated using AgEq\*1/31.1 Metal recoveries and payabilities from the PFS have been applied

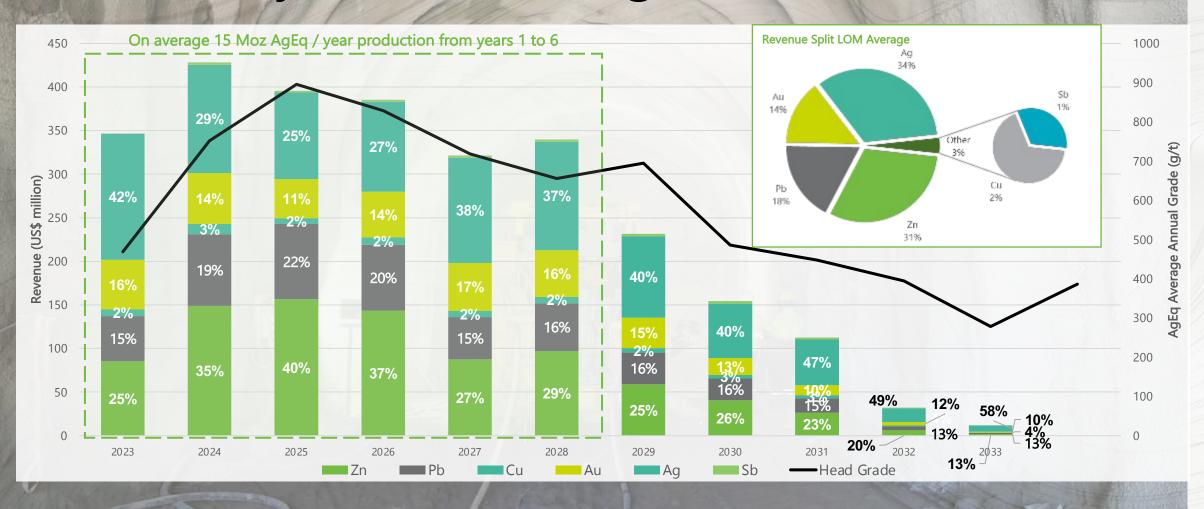
The applied formula was: AgEq = Ag(g/t) \* 92% \* 86% + 32.4 \* Zn(%) \* 97% \* 71% + 25.9 \* Pb(%) \* 93% \* 84% + 1.9 \* BaSO4(%) \* 58% \* 99% + 79.2 \* Au(g/t) \* 70% \* 76% + 84.2 \* Sb(%) \* 96% \* 17% + 84.2 \* Cu(%) \* 97% \* 82%A bulk density was calculated for each model cell using regression formula BD = 2.745 + BaSO4 \* 0.01793 + Pb \* 0.06728 - Zn \* 0.01317 + Cu \* 0.1105 for the halo domain, BD = 2.7341 + BaSO4 \* 0.01823 + Pb \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.04801 + Zn \* 0.01823 + Db \* 0.04801 + Zn \* 0.01951 for the fault zones and BD = 2.7949 + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.01823 + Db \* 0.04801 + Zn \* 0.01801 + Zn \* 0.0180 BaSO4 \* 0.01599 + Pb \* 0.05419 + Zn \* 0.01169 + Cu \* 0.06303 for the low-grade domain. Bulk density values were interpolated to the combined high-grade domain from 631 BD measurements

#### A cut-off grade of 0.6% ZnEq had been applied

Metallurgical recoveries of 90% have been applied in the metal equivalent formula based on recent and ongoing test work results Metal prices used were US\$2,500/t for zinc, US\$2,000/t for lead, US\$200/t for BaSO4, US\$1,400/oz for gold and US\$15/oz for silver. The applied formula was: AgEq = 51.84 \* Zn(%) \* 90% + 41.47 \* Pb(%) \* 90% + 4.15 \* BaSO4(%) \* 90% + 93.33 \* Au(g/t) \* 90% + Ag(g/t) \* 90% + 124.41 \* Cu(%) \* 90%

A bulk density was calculated for each model cell using regression formula BD = 2.70855 + BaSO4 \* 0.01487 + Pb \* 0.03311 + Zn \* 0.03493

### Revenue by metal vs head grade

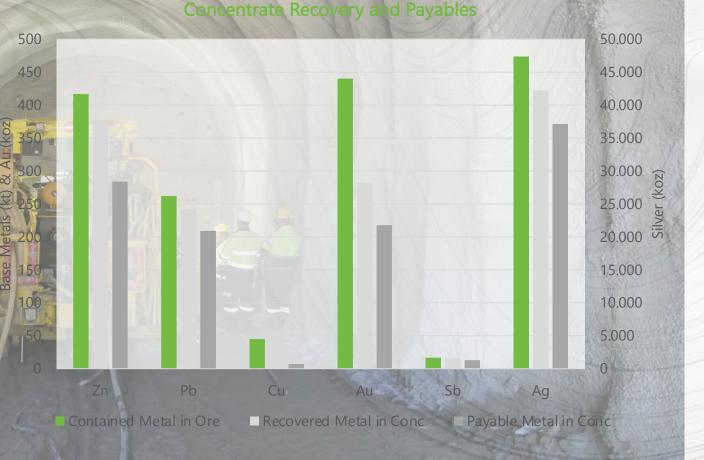


### **Concentrate production & payables**

Vares Processing Plant will create both a zinc concentrate and a silver-lead concentrate

#### Offtake Heads of Terms Agreed

- Offtake allocated for 82% total projected concentrate production over the first 24 months of production
- Remaining 18% intentionally held back for advantageous spot market sales
- Zinc concentrate will be sold to Trafigura Pte Ltd, Transamine SA and a major European smelter
- Silver-lead concentrate will be sold to Glencore International AG and Transamine SA
- The Company has not engaged in any commodity price hedging



# Silver equivalent assumptions

Silver Equivalent Assumptions	State of the state	and the second states of the	A CONTRACT OF
Silver	25	\$/oz	(B1)
Gold	1,800	\$/oz	(B2)
Zinc	3,000	\$/t	(B3)
Lead	2,300	\$/t	(B4)
Copper	9,500	\$/t	(B5)
Antimony	2,300	\$/t	(B6)
Total Silver Recovery	89%	%	(C1)
Total Gold Recovery	64%	%	(C2)
Total Zinc Recovery	91%	%	(C3)
Total Lead Recovery	92%	%	(C4)
Total Copper Recovery	94%	%	(C5)
Total Antimony Recovery	95%	%	(C6)
Total Silver Payability	88%	%	(D1)
Total Gold Payability	77%	%	(D2)
Total Zinc Payability	75%	%	(D3)
Total Lead Payability	87%	%	(D4)
Total Copper Payability	16%	%	(D5)
Total Antimony Payability	84%	%	(D6)
Silver Conversion Factor	1.0		(E1)
Gold Conversion Factor	72.0		(E2)
Zinc Conversion Factor	37.3		(E3)
Lead Conversion Factor	28.6		(E4)
Copper Conversion Factor	118.2		(E5)
Antimony Conversion Factor	28.6		(E5)

AgEq = (Ag grade (g/t) x B1 x C1 x D1 x E1) + (Au grade (g/t) x B2 x C2 x D2 x E2) + (Pb grade (%) x B3 x C3 x D3 x E3) + (Zn grade (%) x B4 x C4 x D4 x E4) + (Cu grade (%) x B5 x C5 x D5 x E5) + (Sb grade (%) x B6 x C6 x D6))

### Cash cost source data

PhotoNo. <th< th=""><th>rty Name P</th><th></th><th></th><th>(%)</th><th>Owner Name</th><th></th><th></th><th></th><th></th></th<>	rty Name P			(%)	Owner Name				
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shy									8.90
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Opensol         Gold         Maxon         20,7         XP         Manee Prices S.A.B. de CV.         100         Opensing         5.00           Typical         Loc         Maxon         20.00         Pensil         27.5         SPA         Pensile Care Press         28.00         Opensing Press									27.79 8.37
Typin         Lass         Morce         17/9.3         37%         Augustorne         100         Operating         38.4         39.4 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.37 5.75</td>									8.37 5.75
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Ban         Zinc         Paul         27,5         37%         Compatibility Raines A.A.         100         Operating         21.88           Cerrit Mor         Gold         Appendix         17,12         30%         Yearan Adol He.         00         Operating         21.81           Corpolity         2.01         Macko         190,1         30%         Macko II.81         40,1         40,2           Corpolity         2.01         Macko         190,2         40,4         Macko II.81         40,4         Macko III.81         40,4									13.11
Bindbart Nord         Zinc         India         14,715         38%         Hindball         Hindball         Hindball         Hindball         Hondball         Operating         15.72           Advince         Gold         Maco         81.8         40%         Maco         16.72           Advince         Sold         Maco         81.8         40%         Maco         16.72           Advince         Sold         Maco         81.8         40%         Maco         16.72           Targa         Zince         Maco         81.87         42%         Pan American Silve Cop.         100         Operating         11.35           Haron         Silver         Advincing         81.87         42%         Pan American Silver Cop.         100         Operating         11.35           State Evan         Gold         Maco         81.81         44%         Generation Silver Cop.         100         Operating         11.31           State Evan         Gold         Maco         81.81         44%         Generation Evon         100         Operating         11.32           Carange         Gold         Maco         82.81         44%         Generation Evon         100         Operating         11.						100			22.59
constant constant constantConsta									13.83
Advertion         Order         Part of 1, 20         Manon Prince, A.B. de CV.         (10)         Operating         11.28           Merococh         Diver         Part Mount         5.08.0         Part American Silver Copo.         0.0         Operating         11.28           Tatage         Diver         Neuron         5.08.0         Part American Silver Copo.         0.0         Operating         11.28           Canandgein         Silver         Asgentina         1.26.1         Part American Silver Copo.         0.0         Operating         11.28           Salver         Asgentina         3.02.6         4.3%         Part Monol.         0.0         Operating         11.29           Salver         Maxima         3.02.6         4.3%         Part Monol.         0.0         Operating         11.29           Salver         Maxima         3.02.6         4.3%         Part Monol.         0.0         Operating         11.29           Salver         Maxima         3.02.6         4.5%         Part Monol.         0.0         Operating         11.63           Canandgein Duritor         Ox         Maxima         4.73         4.5%         Maxima         0.0         Operating         11.64           Canandgein Dur									8.25
Index orbitNore <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>19.14</td>									19.14
Toga         Neto         5.55.0         47.0         Industrias Probas, 5.8.5. eC.V.         61         Operating         7.62           Carneligon         Silver         Autarila         11.85.7         42%         Part Anstrian Silver Corp.         60         Operating         13.22           Carneligon         Silver         Autarila         11.85.7         Autarila         10.0         Operating         13.22           Silver         Gad         Maxio         33.18         44%         Number Corp.         10.0         Operating         13.13           Santa Elan         Gad         Maxio         188.4         4%         First Mariati Silver Corp.         10.0         Operating         15.43           Canagiado Dirac         Silver         Maxio         2.25.4         4%         Green Parther Mining Linke         10.0         Operating         15.43           Canagiado Dirac         Silver         Maxio         2.25.4         4%         Maxio Mining Company         10.0         Operating         15.43           Cannel dirac         Silver         Maxio         2.25.4         4%         Maxio Mining Company         10.0         Operating         15.43           Cannel dirac         Silver         Maxio Mining Company									13.33 28.44
Indian         Ster         Part         1.88.7         4.95         Panchean Silver Corp.         100         Operating         13.22           Camangton         Silver         Agentina         1.82.10         45%         Solural Scilled         100         Operating         11.51           San Jaco         Gold         Maxio         6.11         44%         Andrean Manaza         100         Operating         12.75           San Jaco         Silver         Maxio         4.74         4%         Andrean Manaza         100         Operating         11.81           Gamagton District         Silver         Maxio         4.73         4%         Andrean Manaza         100         Operating         11.81           Gamagton District         Silver         Maxio         2.52.8         4%         Gamagton Constraints         100         Operating         11.81           Salvaria         Silver         Maxio         2.52.8         4%         Constraints         100         Operating         11.82           Salvaria         Silver         Maxio         2.52.8         4%         Constraints         100         Operating         12.82           Salvaria         Silver         Maxio         2.52.8									28.44 9.07
Cannington         Salver         Austalia         11,21.1         43%         Sound2 Linked         00         Operating         11,15           bitaca         Gold         Mexico         63,181         44%         Amadem Minerals LM         00         Passibility Complete         10,13           Starla Elen         Gold         Mexico         478,8         45%         Ganalgan Minerals LM         00         Operating         13,24           Canningto District         Stard         Mexico         478,8         45%         Ganalgan Minerals LM         00         Operating         13,24           Canningto District         Stard         Mexico         478,8         45%         Ganalgan Minerals LM         00         Operating         13,24           Canningto Complex         Stard         Mexico         622,9         45%         Ganalgan Minerals LM         00         Operating         14,54           Canningto Complex         Stard         Mexico         6,24,9         45%         Ganalgan Minerals ALA         00         Operating         14,54           Canningto Complex         Stard         Mexico         14,134         5%         Ganalgan Minerals ALA         00         Operating         12,32           Canningto Co									19.39
San. cobe         Shore         Agentina         33.02         45%         Hochschild Ming pL         51         Goptrating         12.72           Latac.         God         Maxico         63.181         44%         Ananato Minariai LM         00         FeakBilty Complete         10.13           Guinegian Dirict         Shore         Maxico         477.1         44%         Gront Pinnher Ming Lubed         00         Operating         10.43           Guinegian Dirict         Shore         Maxico         523.56         46%         Industrias Periodes, SA.8 de CV.         00         Operating         10.43           Shore         Maxico         523.5         46%         Industrias Periodes, SA.8 de CV.         00         Operating         17.80           Shore         USA         83.45         45%         Maxico         18.90         Operating         13.81           Guina Corado         Shore         USA         83.91         45%         Maxico         13.81         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91         45.91								11.15	13.61
Sanz Benn         Gold         Mexico         1589.4         45%         First Mageta Slave Corp.         00         Operating         137.4           Cuanajado Districi         Weiko         477.8         46%         Great Parther Mining Limited         100         Operating         16.8           Cuanajado Districi         Xin         Masico         252.5         46%         First Mageta Slave Corp.         100         Operating         16.9           Paintargo Complex         Siver         Masico         252.9         46%         Genet Mining, Inc.         100         Operating         16.86           Controp         Siver         Masico         822.9         46%         Genet Mining, Inc.         100         Operating         14.55           Gainas Complex         Siver         Masico         827.9         54%         America Cold and Silver Corp.         100         Operating         11.20           Gainas Complex         Silver         Masico         84.13         56%         Partilla plic         200         Operating         17.30           Gainas Complex         Silver         Masico         97.3         57%         Genet Mining Company         100         Operating         11.30         30.5         31.31         36.0	e S	Silver Argen	ntina 3,902.6	43%	Hochschild Mining plc	51		12.79	20.74
Guanagiato District         Salver         Maxico         947.8         46%         Great Parifier Mining Limited         100         Operating         164.3           Comega         Gid         Maxico         2.512.3         46%         Industrias Profiles, SA.8, de C.V.         100         Operating         17.80           Palmarejo Complex         Silver         Maxico         6.252.9         46%         Coaru Mining, Inc.         100         Operating         17.80           Genes Creek         Silver         USA         8.974.5         46%         Coaru Mining, Inc.         100         Operating         16.85           Gaina Complex         Silver         USA         8.974.5         46%         Volcan Compain Mining Compary         100         Operating         15.85           Saucio         Silver         Maxico         14.13.42         85%         Amenico Corporation         100         Operating         12.37           Gaina Complex         Silver         Maxico         14.13.3         56%         Amenico Corporation         00         Operating         11.32           Gaina Comparis         Silver         Parating         11.35         Const Mining Comparis         100         Operating         11.35           Gaina Com							Feasibility Complete		11.03
Clengia         Gold         Mexico         2,35,6         4%         Frentilo pic         100         Operating         10,1           Palmargio Complex         Silver         Mexico         2,52,3         4%         Industrias Periodios, S.R. to CV.         100         Operating         17,80           Palmargio Complex         Silver         Mexico         2,52,2         4%         Occur Mining, Inc.         100         Operating         16,85           Genes Creek         Silver         USA         8,94,2         4%         Occur Mining, Inc.         100         Operating         16,85           Genes Creek         Silver         Part         2,45,4         5%         Occur Mining, Inc.         100         Operating         16,85           Genes Creek         Silver         Part         2,45,4         5%         Operating Compare         16,85         16,8									19.74
Sahnan         Zinc         Mexico         25/2.3         48%         Industrias Perlokes, SAB, de C.V.         100         Operating         17.80           Palmangio Complex         Silver         USA         8,974.5         48%         Count Minig, Inc.         100         Operating         15.55           Grens Creek         Silver         USA         8,974.5         49%         Velcan Comparis         100         Operating         15.55           Saucia         Silver         Maxico         14,134.2         54%         Velcan Comparis         100         Operating         15.27           Saucia         Silver         USA         862.3         54%         American Silver Corporation         60         Operating         11.32           Gatena Complex         Silver         USA         862.3         54%         American Silver Corporation         60         Operating         11.32           Gatena Complex         Silver         Asson         13.6         Silver         Silver         Silver         Silver         100         Operating         12.3           Grant         Silver         Maxico         13.05         Silver         Gene Carboracion perinting         11.32           Grant         Silver									22.14
Plantarigic Complex         Silver         Wakobo         6.282.9         48%         Court Mining, Inc.         000         Operating         16.55           Cerrents Or Pasco         Zinc         Paru         2,947.4         5%         Volcan Compañta Minora S.A.A.         000         Operating         15.55           Gaucio         Silver         Mexico         1,13.2         54%         Fresnillo pic         000         Operating         15.32           Galara Complex         Silver         USA         882.9         54%         Americas Gold and Silver Corporation         60         Operating         17.33           Galara Complex         Silver         Argentina         2,541.5         56%         Bear Creek Mining Corporation         000         Operating         16.51           Corani         Silver         USA         3,015.8         5%         Genear Panther Mining Linuted         000         Operating         16.51           Topia         Silver         Mexico         97.0         5%         Genear Panther Mining Linuted         000         Operating         11.52           Sin Sobatation         Silver         Mexico         67.1         86%         Genear Panther Mining Linuted         000         Operating         11.55 <td></td> <td></td> <td>CO 5,235.6</td> <td></td> <td></td> <td>100</td> <td></td> <td></td> <td>15.29 19.89</td>			CO 5,235.6			100			15.29 19.89
Greenk         Sher         USA         8,74.4         9%         Heck Mining Company         100         Operating         145.5           Guero de Pasco         Zinc         Peru         2,847.4         51%         Vickan Company         100         Operating         565           Sucio         Silver         USA         882.9         54%         Freenilo pic         100         Operating         11.2           Grean Approximation Silver         USA         882.9         54%         America Solver Corporation         60         Operating         17.3           Marantial Espejo         Silver         Paru         14,13.3         55%         Bear Creek Mining Corporation         100         Operating         17.33           Rochester         Silver         USA         3.015.8         57%         Greene Aphrance Corporation         100         Operating         16.33           San Ablain         Silver         Maxico         97%         Greene Aphrance Mining Company         100         Operating         11.64           San Julan         Silver         Maxico         97.4         9%         Free Mark Mining Company         100         Operating         13.7           San Julan         Silver         Maxico         <						100			13.73
Cance of Pasco         Zinc         Peru         2,4,4         51%         Voltan Compatite Miners SAA.         00         Operating         566           Saucio         Silver         War         USA         82.9         54%         Americas Cold and Silver Corporation         60         Operating         73.3           Galana Complex         Silver         Agent All         2,541.5         55%         Para Americas Cold and Silver Corporation         60         Operating         73.3           Caradi         Silver         Maxina         3015.8         55%         Para Americas Silver Corporation         00         Operating         16.51           Topia         Silver         Maxico         41.03         55%         Great Paraher Mining Corporation         00         Operating         26.35           Sin Allan         Silver         Maxico         41.63         55%         Great Paraher Mining Corporation         00         Operating         26.35           San Julan         Silver         Maxico         97.0         59%         Great Paraher Mining Corporation         00         Operating         11.54           San Julan         Silver         Maxico         60.57         69%         Freshillio Jc         00         Operating         <									16.79
Saluch         Shiver         Maxico         14,32         54%         Fresnillo pic         100         Operating         132           Galana Complax         Shiver         Vagentina         2,54         56%         Anencias Old and Silver Corporation         60         Operating         17,33           Corani         Shiver         Pru         14,133         56%         Bar Creach Silver Corporation         100         Octoperating         17,33           Rochester         Shiver         WSA         3,015.8         57%         Gocerr Mining Corporation         100         Operating         16,51           Topia         Shiver         Maxico         418.0         58%         Great Parather Mining Interf.         100         Operating         12,55           San Julian         Shiver         Maxico         97,0         59%         Great Parather Mining Company         100         Operating         11,55           San Julian         Shiver         Maxico         11,98,5         60%         Fresnillo Colpaci         100         Operating         11,35           Shar Vian         Jsiver Mene         Shiver         Maxico         11,98,5         61%         Fresnillo Shiver Corp.         100         Operating         11,37						100			6.48
Manualizate Espaipa         Silver         Argentina         2415         56%         Pen American Silver Corp.         100         Operating         17.33           Corani         Silver         Peru         144,133         56%         Bear Creek Mining Corporation         100         Construction Planned         10.33           Rochester         Silver         USA         3,015.8         5%         Coeur Mining, Inc.         100         Construction Planned         16.51           Topia         Silver         Mexico         97.0         5%         Great Panther Mining Linted         00         Operating         10.51           San Sebastian         Silver         Mexico         97.0         5%         Great Panther Mining Linted         00         Operating         10.51           San Julain         Silver         Mexico         97.0         5%         Heada Mining Corporation         00         Operating         11.55           San Julain         Silver         Mexico         6,078.7         60%         Fresnillo pile Ner Corp.         00         Operating         13.75           Silver Mexico         Silver         File Neito         Silver AB         00         Operating         13.75           La Plarnilla         Silver M	S				Fresnillo plc		Operating		15.05
Oracle         Silver         Paru         14,133         56%         Bear Creek Mining Corporation         000         Construct Plannad         10.33           Rochester         Silver         Mexico         3,015.8         57%         Cocurs Mining Linguing         100         Operating         16.51           Topia         Silver         Mexico         907.0         58%         Great Panther Mining Linguing         100         Operating         20.53           San Subastian         Silver         Mexico         168.5         60%         Freanlilo Company         100         Operating         11.85           San Julian         Silver         Mexico         16.85.5         60%         Freanlilo pic         100         Operating         9.57           Silver         Mexico         1.98.5         61%         Freanlilo pic         100         Operating         9.57           Silver Mine         Silver         Mexico         1.98.5         61%         Pantancian Silver Corp.         100         Operating         1.37           Silver Mine         Silver         Mexico         4.87.8         70%         Pantancian Silver Corp.         100         Operating         1.37           Palancata         Silver         Me									38.04
Rohester         Silver         USA         3.015.8         57%         Coour Mining, Inc.         000         Operating         16.51           Topia         Silver         Mexico         907.0         59%         Great Panther Mining Limited         100         Operating         20.53           San Sebastian         Silver         Mexico         907.0         59%         Great Panther Mining Company         100         Operating         11.95           San Julian         Silver         Mexico         60/34         Mexico         60/34         Fresnillo pile         100         Operating         9.57           San Dimas         Gold         Mexico         60/35         61%         Fresnillo pile resnillo pile         100         Operating         13.5           Silver Min         Silver         Mexico         47.18         70%         Sterva Mining Inc.         100         Operating         12.4           La Plarnilla         Silver         Mexico         247.28         76%         Sterva Mining Inc.         100         Operating         12.4           La Plarnilla         Silver         Mexico         247.28         76%         Sterva Mining Inc.         100									19.76
Topia         Silver         Mexico         940.         969.         Great Panther Mining Limited         000         Operating         203.           San Sebastan         Silver         Mexico         907.0         59%.         Hetcad Mining Company         00         Operating         11.35           San Johans         Silver         Mexico         6,078.7         60%.         Freenillo Silver Company         100         Operating         957.7           Freenilio         Silver         Mexico         6,078.7         60%.         Freenilio Silver Company         100         Operating         957.7           Freenilio         Silver         Mexico         4,871.8         61%.         Silver Arenelio Silver Aren						100			10.66 20.31
Salver         Mexico         907.0         59%         Heda Mining Company         100         Operating         11385           San Julian         Silver         Mexico         11.696.5         60%         Fresnilo pic         100         Operating         11.64           San Julian         Gold         Mexico         6.079.7         60%         Fresnilo pic         100         Operating         9.57           Fresnilo         Silver         Mexico         1.936.5         61%         Fresnilo pic         100         Operating         1.37           Silver Mine         Silver         Finand         1.906.1         66%         Software AB         00         Operating         1.37           La Colorada         Silver         Mexico         2.47.18         7%         Software AB         00         Operating         1.37           La Plarrilla         Silver         Mexico         2.47.26         7%         Software AB         00         Operating         1.24           Calaracati         Silver         Mexico         2.47.26         7%         Fresnilo pic.         100         Operating         1.24           Galaracati         Silver         Pen         3.062.0         7%         Endes						100			20.31 25.23
Salvar         Silver         Mexico         169.5         60%         Fresnilo pic         100         Operating         11.44           San Dimas         Gold         Mexico         6.078.7         60%         First Majestic Silver Corp.         100         Operating         9.57           Fresnilo         Silver         Mexico         1.398.5         61%         First Majestic Silver Corp.         100         Operating         13.15           Silver Mine         Silver         Finand         1.500.1         66%         Softem Silver AB         00         Operating         13.15           La Colorada         Silver         Mexico         4.87.8         70%         Pan American Silver Corp.         100         Operating         13.15           La Colorada         Silver         Mexico         14.256         76%         Softem Silver AB         100         Operating         13.78           Jalancati         Silver         Mexico         3.495.1         77%         Hochschild Mining µc         100         Operating         13.78           Guanocvi         Silver         Mexico         3.062.0         78%         Endeenour Silver Corp.         90         Operating         13.59           Dukat         Silver									15.11
San Dimas         Gold         Mexico         6/97.7         60%         First Miselic Silver Corp.         100         Operating         9.57           Fresnillo         Silver         Mexico         11.936.5         61%         Fresnillo pic         100         Operating         11.37           Silver Mine         Silver         Finland         1,500.1         66%         Sotkamo Silver AB         100         Operating         13.15           La Colorada         Silver         Mexico         447.18         70%         Pan American Silver AB         100         Operating         12.41           La Pitarrilla         Silver         Mexico         214.236         76%         Sotkamo Silver AB         100         Operating         12.41           Calancata         Silver         Mexico         214.236         76%         Mexicor Corp.         100         Operating         13.72           Guanacevi         Silver         Paru         3,062.0         76%         Endeavour Silver Corp.         100         Operating         13.78           Guanacevi         Silver         Bolivia         2,363.3         80%         Pan American Silver Corp.         95         Operating         10.52           Lotiuchacua         Silv	an S	Silver Mexico				100			15.08
Silver         Finland         100.1         66%         Softwards         Softwards         100         Operating         13.15           La Colorada         Silver         Mexico         4,871.8         70%         Pan American Silver Corp.         100         Operating         12.1           La Pitarrilla         Silver         Mexico         214,236         76%         Softwards         100         Operating         12.0           Pallancata         Silver         Peru         3,965.1         76%         Gottwards         100         Operating         13.26           Guanacevi         Silver         Peru         3,965.1         76%         Hochschild Mining plc         100         Operating         13.26           Guanacevi         Silver         Mexico         3,062.0         76%         Endeavour Silver Corp.         100         Operating         15.24           San Vicente         Silver         Bolivia         2,863.3         80%         Pan American Silver Corp.         95         Operating         105.2           Dukat         Silver         Russia         12,818         81%         Polymetal Internationalpic         100         Operating         10.82           Uchucchacua         Silver	as G	Gold Mexico	co 6,079.7	60%	First Majestic Silver Corp.	100	Operating	9.57	15.33
La Ocioarda         Silver         Mexico         47.18         70%         Pan American Silver Corp.         100         Ceparating         12.4           La Plaranita         Silver         Mexico         214.236         76%         Silver Corp.         100         Feasibily         10.02           Palancata         Silver         Peru         3,465.1         76%         Hochschild Mining plc         100         Operating         13.78           Guanacevi         Silver         Mexico         3,062.0         78%         Hochschild Mining plc         100         Operating         13.78           Guanacevi         Silver         Mexico         3,062.0         78%         Endeavour Silver Corp.         100         Operating         12.34           San Vicente         Silver         Rusia         7.28.1         81%         Pan American Silver Corp.         90         Operating         10.58           Diviat         Silver         Rusia         7.20.8         81%         Polymetal International pic.         100         Operating         10.83           Uchucchacua         Silver         Peru         69.71         86%         Compañía de Minas Buenaventure SA.A         100         Operating         22.38           Uchucchac									16.16
La Pitarrilla         Silver         Mexico         24236         76%         SSR Mining Inc.         100         Feasibility         100.2           Palancata         Silver         Peru         3,495.1         78%         Hochschild Mining Inc.         100         Operating         13.78           Guanacevi         Silver         Mexico         3,062.0         78%         Endeavour Silver Corp.         100         Operating         12.34           San Vicente         Silver         Bolivia         2,383.3         80%         Pan American Silver Corp.         95         Operating         15.82           Dukat         Silver         Rusia         17,261.8         81%         Polymetal International pic         95         Operating         15.82           Pirgulas         Silver         Agentina         5,20.4         85%         SSR Mining Inc.         100         Operating         10.83           Uchucchacua         Silver         Peru         495.1         86%         Silver Mining Linc.         100         Operating         22.34           Cusi         Silver         Mexico         845.5         90%         Sierra Metals Inc.         100         Operating         20.36									17.25
Palacata         Silver         Peru         3,495.1         7%         Hochschild Mining loc         100         Operating         13,78           Guanacovi         Silver         Merico         3,062.0         7%         Endeasvors'ilver Corp.         00         Operating         12,34           San Vicente         Silver         Bolivia         2,385.3         80%         Pan American Silver Corp.         95         Operating         15,98           Dukat         Silver         Russia         17,218.8         81%         Polymetal International pic         100         Operating         10,83           Uchucchacua         Silver         Argentia         5,220.4         85%         Sterma Maina Buenaventure SA.4         100         Operating         20,38           Uchucchacua         Silver         Peru         495.5         90%         Sterma Maina Buenaventure SA.4         100         Operating         20,38									17.26
Silver         Mexico         3,062.0         78%         Endeavour Silver Corp.         100         Operating         12.34           San Vicente         Silver         Bolivia         2,853.3         80%         Pan American Silver Corp.         95         Operating         15.98           Dukat         Silver A rugentina         Silver A rugentina         17,261.8         81%         Polymetal International plc         00         Operating         10.52           Pirgutas         Silver A rugentina         Silver A rugentina         520.4         85%         SSR Mining Inc.         100         Operating         10.82           Uchucchacua         Silver Mexico         Peru         465.5         90%         Compañía de Minas Buenaventura SAA.         100         Operating         20.38           Cusi         Silver Mexico         445.5         90%         Sierra Metals Inc.         100         Operating         20.38									12.20 20.78
San Vocate         Silver         Bolivia         2.85.3         80%         Pen American Silver Corp.         95         Operating         15.88           Dukat         Silver         Russia         12.261.8         81%         Polymetal International picc         100         Operating         10.62           Pirquitas         Silver         Agentina         5,20.4         85%         SSR Mining Inc.         100         Operating         10.83           Uchucchacua         Silver         Peru         495.1         86%         Compañía de Minas Buenaventura SA.A.         100         Operating         22.99           Cusi         Silver         Macio         445.5         90%         Sierra Metals Inc.         100         Operating         20.18									17.56
Dukat         Silver         Russia         17,261.8         81%         Polymetal International plc         100         Operating         10.52           Pircylulas         Silver         Argentina         5,20.4         85%         SSRM Mining Inc.         100         Operating         10.83           Uchucchacua         Silver         Peru         4,697.1         86%         Compañía de Minas Buenaventura SAA.         100         Operating         22.39           Cusi         Silver         Mexico         845.5         90%         Sierra Metals Inc.         100         Operating         20.18									18.29
Pirquitas         Silver         Argentina         5/20.4         6%         SSRM lining Inc.         100         Operating         10.83           Uchuchacua         Silver         Peru         6%1         6%         Compañía de Minas Buenaventura SAA.         100         Operating         2.33           Cusi         Silver         Mexico         24.5         9%         Sierra Metals Inc.         100         Operating         20.18			sia 17,261.8		Polymetal International plc	100		10.52	11.85
Uchocchacua         Silver         Peru         495/1         86%         Compañía de Minas Buenaventura SA.A         100         Operating         22.39           Cusi         Silver         Medo         845.5         90%         Silver Alemanteritaria         100         Operating         20.18									14.19
	acua S				Compañía de Minas Buenaventura S.A.A.				26.79
									24.77
		Silver Mexico Silver Peru		91%	Coeur Mining, Inc.	100	Feasibility Complete	14.20	15.90 25.60
Julcani         Silver         Peru         1,17.7         95%         Compañía de Minas Buenaventura SA.A         100         Operating         16.10           La Encantada         Silver         Mexico         3,488.4         99%         First Majestici Silver, Compañía de Minas Buenaventura SA.A         100         Operating         10.33									25.00
	3	Mexic	5,400.4	3376		100	Operating	10.00	10.42

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Source: S&P Global Intelligence. 11 August 2021

### Capital efficiencies & IRR source data

		NPV (\$000)	Capital Cost (\$000)			
El Gallo Complex	McEwen Mining Inc.	32,000	66,000	28	3.6	0.48
Copper Mountain	Copper Mountain Mining Corp.	1,010,000	204,000	NA	NA	4.95
Josemaria	Josemaria Resources Inc.	1,528,000	2,485,000	18	3.8	0.61
Vares	Adriatic Metals PLC	1,062,000	168,000	138	0.7	6.30
Darlot	Red 5 Ltd.	520,430	148,168	64	2.1	3.51
Rosh Pinah	Trevali Mining Corp.	142,000	82,600	65	3.9	1.72
Sorby Hills	Boab Metals Ltd.	211,141	162,245	35	2.2	1.30
Sorby Hills	Boab Metals Ltd.	217,522	131,080	46	1.6	1.66
Upper Kobuk Mineral Projects	Trilogy Metals Inc.	1,134,700	905,600	31	2.6	1.25
Upper Kobuk Mineral Projects	Trilogy Metals Inc.	1,134,700	905,600	31	2.6	1.25
Oyu Tolgoi	Turquoise Hill Resources Ltd.	10,000,000	2,200,000	NA	6.0	4.55
Adelaide Hills	Terramin Australia Ltd.	98,114	37,576	82	1.0	2.61
Copper Flat	THEMAC Resources Group Ltd.	235,000	373,900	21	3.3	0.63
Yellowhead	Taseko Mines Ltd.	536,604	1,032,580	18	4.2	0.52
Balabag	TVI Pacific Inc.	12,000	28,400	30	NA	0.42
Pick Lake/Winston Lake	Superior Lake Resources Ltd.	115,000	86,700	31	NA	1.33
Silangan	Philex Mining Corp.	615,000	745,000	21	4.2	0.83
Abra	Galena Mining Ltd.	268,404	119,479	39	2.0	2.25
Agua Rica	Yamana Gold Inc.	1,935,000	2,386,000	20	NA	0.81
Bawdwin	Myanmar Metals Ltd.	580,000	266,900	30	4.0	2.17
Tshukudu	Sandfire Resources BW Pty Ltd	368,000	182,000	33	3.7	2.02
Sorby Hills	Boab Metals Ltd.	173,534	68,128	62	1.3	2.55
Quebrada Blanca	Teck Resources Ltd.	1,808,000	4,739,000	13	5.5	0.38
Abcourt-Barvue	Abcourt Mines Inc.	30,935	31,189	26	5.3	0.99
Filo del Sol	Filo Mining Corp.	1,280,000	1,266,000	27	3.4	1.01
Josemaria	Josemaria Resources Inc.	2,030,000	2,760,646	21	3.4	0.74
Sulphur Springs	Venturex Resources Ltd.	219,874	119,867	51	4.1	1.83
Abra	Galena Mining Ltd.	382,969	111,699	50	2.0	3.43
Copperwood	Highland Copper Co.	116,800	252,069	21	3.2 NA	0.46
Touro	Atalaya Mining plc	179,900	164,910	21		1.09
Upper Kobuk Mineral Projects Tshukudu	Trilogy Metals Inc. Metal Tiger plc	1,412,700 281,000	779,600 154,859	38 39	2.0 2.7	1.81 1.81
Tshukudu	Metal Tiger pic	402,000	191,601	39	3.3	2.10
Quinchia	Los Cerros Ltd.	72,300	77,900	25	3.5	0.93
Prairie Creek	NorZinc Ltd.	151,027	223,693	25	4.6	0.68
Valunistoye	Highland Gold Mining Ltd.	127,000	223,093	NA	4.6 NA	4.88
Kutcho Creek	Kutcho Copper Corp.	199,443	165,977	35	3.5	1.20
Casino	Western Copper & Gold Corp.	1,504,528	1,800,321	26	2.7	0.84
Eagle	Lundin Mining Corp.	205,000	102,000	51	1.5	2.01
Springfield	Talisman Mining Ltd.	115,541	54,750	78	1.4	2.01
Rosemont	Hudbay Minerals Inc.	769,000	1,921,000	16	5.2	0.40
New Luika	Shanta Gold Ltd.	41,900	8,500	129	2.0	4.93
Agi Dagi	Alamos Gold Inc.	294,224	250,300	39	1.9	1.18
Kirazli	Alamos Gold Inc.	186,500	151,900	44	1.4	1.23
Tahuehueto	Telson Mining Corp.	77,000	32,200	56	3.0	2.39
Woodlawn	Heron Resources Ltd.	151,718	107,244	31	2.3	1.41
Huckleberry	Imperial Metals Corp.	48,824	212,000	NA	NA	0.23
Prairie Creek	NorZinc Ltd.	119,765	188,224	23	4.0	0.64
Mabilo	RTG Mining Inc.	125,000	173,950	34	2.5	0.72
Rocklands Group	CuDeco Ltd.	298,365	469,571	0	NA	0.64
Ajax	Abacus Mining & Exploration Co	215,600	1,307,200	13	6.7	0.16
Thalanga	Red River Resources Ltd.	59,482	12,534	61	NA	4.75
Sulphur Springs	Venturex Resources Ltd.	219,647	144,523	42	2.1	1.52
Barbara	DiscovEx Resources Ltd.	9,998	22,924	87	1.4	0.44
Sturec	Arc Minerals Ltd.	111,000	115,200	23	NA	0.96
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Source: S&P Global Intelligence. 11 August 2021