

# Europe's new source of strategic metals

London Investor Roadshow

July 2022

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 and economically extract them.

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## 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

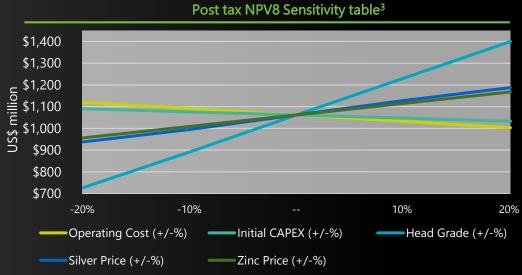
#### **RAPID RATE OF PROJECT DEVELOPMENT**

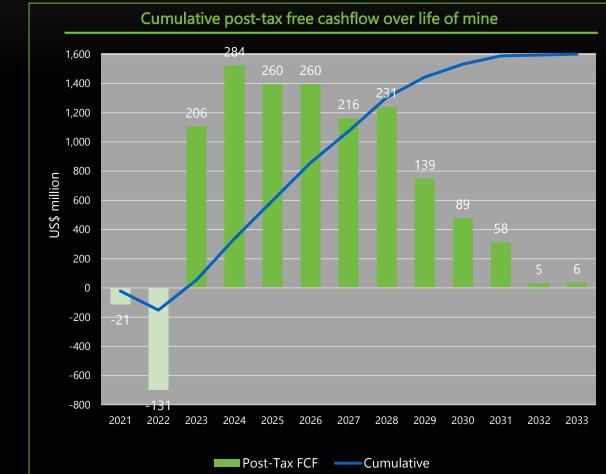
- Acquired in 2017
- ASX listing 2018
- Maiden Resource and LSE listing 2019
- PFS published 2020
- DFS, financing and start of construction in 2021
- Fully permitted 2022
- Production commencing June 2023

## Vares silver project

#### Highly robust economics

	2021 DFS
Post-tax NPV <sub>8</sub>	US\$1,062 million
Post-tax IRR	134%
Initial Capital Cost <sup>1</sup>	US\$168 million
Payback period	8.5 months
AISC <sup>2</sup>	US\$7.3 / AgEq oz





Includes Contingency of US\$17.8 million

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

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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		-									11-11-	The second
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	O	1

Operating Costs	\$/t milled
Mining	30.0
Processing	30.3
G&A	7.7
Total Site Opex	68.0
Refining & Transport	35.7
Cash Cost	103.7
All-in Sustaining Cost	108.1
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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					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	State !	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%		

## Cash cost curve One of the lowest cost new silver projects globa



### 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

## Multi asset diversification

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

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

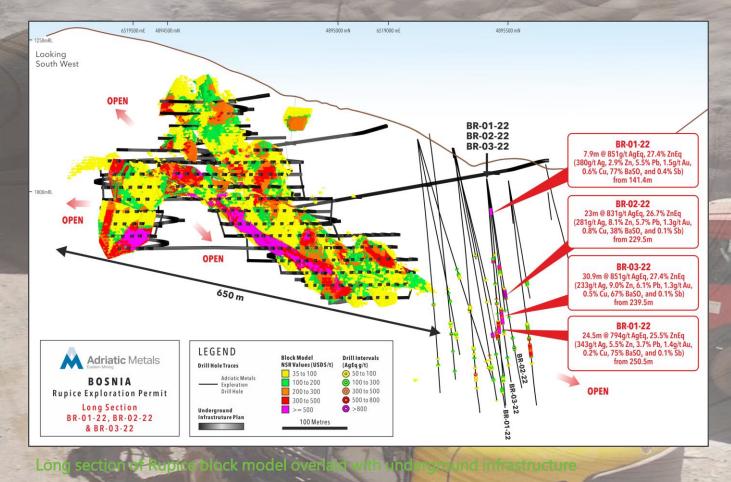
### Rupice deposit – 10+ years and growing Significant opportunity to increase mine life

#### 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	<ul> <li>✓</li> </ul>						
Underground decline development of upper and lower portals at Rupice		<b>V</b>					
Vares Processing Plant site construction		1					
Haul road construction							
Underground development reaches orebody / stoping starts							
Commence plant commissioning							
First production / export							



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

Source of funds	US\$ million
Cash on hand at start of construction <sup>1</sup>	112.0
Senior Secured Debt <sup>2</sup>	120.0
Copper Stream <sup>2</sup>	22.5
Total available funding	254.5

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</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> </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</li> </ul>			
WE ARE RESPONSIBLE FOR OUTCOMES	Maiden TCFD disclosure      WE ALIGN WITH THE     ASPIRATIONS OF OUR     COMMUNITIES	WE RESPECT AND ENHANCE OUR ENVIRONMENT			

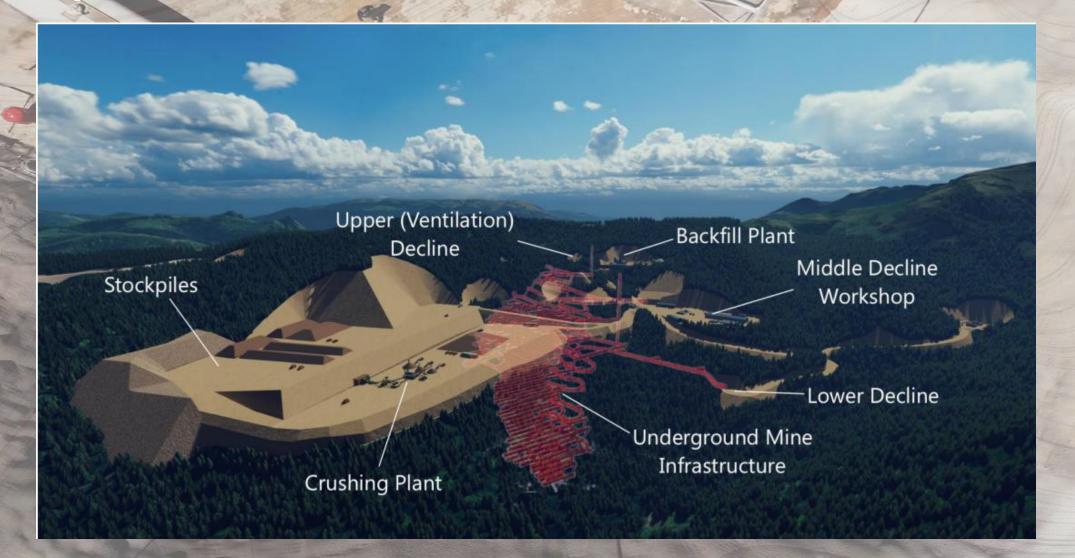
## Creating shared prosperity Stakeholders working together towards a common goal

\$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
<b>#</b> ~~		050/	61
\$23m	450	25%	Strong

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

Calculated to date and over the Vares Project LOM

### Rupice surface infrastructure



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## Rupice site – lower portal & decline



## Mining contractor mobilisation





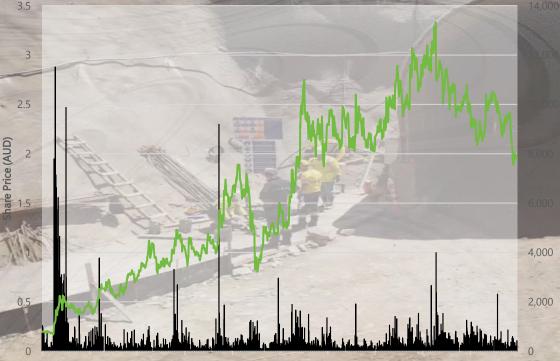
## Vares processing plant





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

Share Price Performance of ASX:ADT since IPO



May 18 Oct 18 Mar 19 Aug 19 Jan 20 Jun 20 Nov 20 Apr 21 Sep 21 Feb 22

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 package</u> for more information) Numbers may not add up due to rounding

Volume — Adj Close

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	Analyst coverage	-	The second	
	Stifel Nicholas Europe	Sprott	: Capital	
	Tamesis Partners	Canac	cord Genuity	
	Hannam & Partners	Euroz	Hartleys	
	Shareholder Breakdown	JA F		
8	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 &	2.0%		
	Global X			1.8%
	Premier Miton			1.7%
	Janus Henderson			1.4%
	Capital Structure			-13/00
4	Ticker	LSE:ADT1	OTC:ADMLF	ASX:ADT
1	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	
0	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
1	Convertible Debt <sup>3</sup>	£16M	US\$20M	A\$29M
F	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 highest margin polymetallic projects Fully funded to production with healthy cash buffer

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

Precious & base metal exposure High-quality shareholder register Best global practices in all areas of sustainability is illass is

## Contact us

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info@adriaticmetals.com

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### 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.





#### 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.

#### **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.



#### 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\*.



#### **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.

## 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
- 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



Specific to the Zenica-Doboj canton
 This is a peak figure (during Project LOM) calculated using 2020 FDI plus consecutive ADT inputs.

## 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

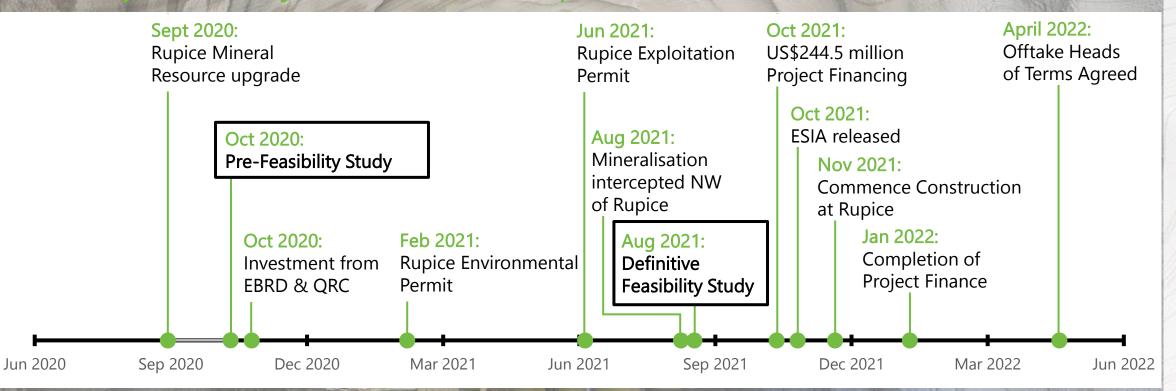
#### Current community initiatives

- 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

many of Vares Project achievements over past 24 months



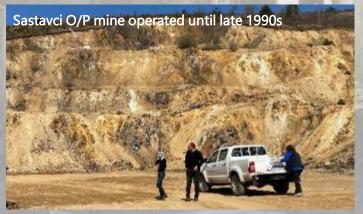
FROM DISCOVERY TO COMMENCING CONSTRUCTION IN 4.5 YEARS

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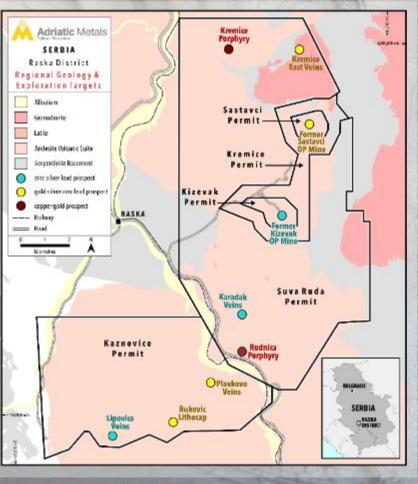
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## Raska zinc-silver project, Serbia

- 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						
Witness 1	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 201

					Grad	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

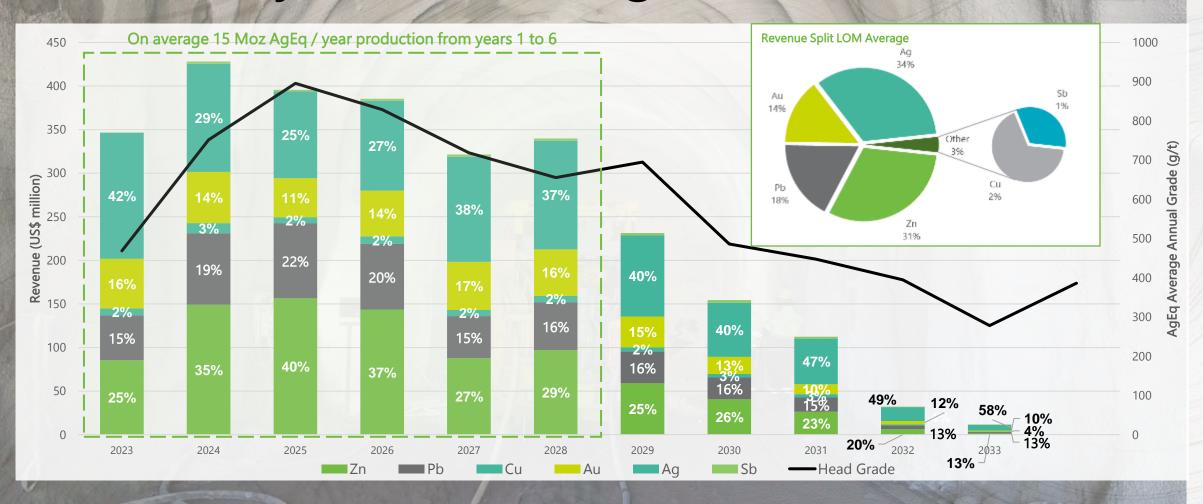
The applied formula was: AgEq = Ag(g/t) \* 92% \* 86% + 32.4 \* Zn(%) \* 97% \* 71% + 25.9 \* Pb(%) \* 93% \* 84% + 1.9 \* BaSO4(%) \* 58% \* 99% + 79.2 \* Au(g/t) \* 70% \* 76% + 84.2 \* Sb(%) \* 96% \* 17% + 84.2 \* Cu(%) \* 97% \* 82%A bulk density was calculated for each model cell using regression 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 + 0.016728 - Cu + 0.01821 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.03941 - Cu \* 0.01051 for the fault zones and BD = 2.7949 + 0.016728 - Cu + 0.01823 + Db \* 0.04801 + Zn \* 0.01823 + Db \* 0.01823 + Db \* 0.04801 + Zn \* 0.01821 + Db \* 0.01823 + Db \* 0.01823 + Db \* 0.04801 + Zn \* 0.01821 + Db \* 0.01821 + Db \* 0.01823 + Db \* 0.01823 + Db \* 0.04801 + Zn \* 0.01821 + Db \* 0.01823 + Db \* 0. 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**

Ne 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

#### 500 50,000 450 45,000 40.000 35,000 30,000 25,000 20.000 15,000 10.000 5.000 Au Sb Aq Recovered Metal in Conc Payable Metal in Conc

#### **Concentrate Recovery and Payables**

## Silver equivalent assumptions

Silver Equivalent Assumptions			and the second
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

					Owner Name				
Caylloma	Silver	Peru	804.3	20%	Fortuna Silver Mines Inc.	100	Operating	15.48	19.80
Prairie Creek	Zinc	Canada	25,545	20%	NorZinc Ltd.	100	Construction Planned	14.59	15.73
Tambomayo	Gold	Peru	1,585.2	20%	Compañía de Minas Buenaventura S.A.A.	100	Operating	10.88	14.20
San Luis	Gold Gold	Peru	6,163 4,446.8	21% 21%	SSR Mining Inc. AngloGold Ashanti Limited	100 93	Feasibility Complete	4.77 10.85	6.07 13.22
Cerro Vanguardia Rosebery	Zinc	Argentina Australia	3,300.2	21%	MMG Limited	93	Operating Operating	10.85	13.22
Charcas	Zinc	Mexico	778.6	22%	Southern Copper Corporation	100	Operating	12.15	20.48
Rubtsovskoye	Zinc	Russia	2,485.8	22%	Public Joint-Stock Company Chelyabinsk Zinc Plant	84	Operating	13.42	16.12
Yauli	Zinc	Peru	4,450.8	23%	Volcan Compañía Minera S.A.A.	100	Operating	11.40	13.81
KGHM Polska Miedz	Copper	Poland	37,201.6	23%	KGHM Polska Miedz S.A.	100	Operating	13.98	17.03
Yauliyacu	Zinc	Peru	2,161.9	23%	Glencore plc	98	Operating	7.62	9.49
Penasquito	Gold	Mexico	26,600.0	24%	Newmont Corporation	100	Operating	6.78	8.90
Sinchi Wayra	Zinc	Bolivia Mexico	2,554.9 428.8	24% 25%	Glencore pic Attaley Mining Corporation	100 100	Operating Operating	9.23 19.35	13.35 20.60
Campo Morado Rajpura-Dariba	Zinc	India	428.8	25%	Hindustan Zinc Limited	100	Operating	6.54	9.71
El Penon	Gold	Chile	4.671.2	25%	Yamana Gold Inc.	100	Operating	8.08	11.53
Chungar	Zinc	Peru	2,177.4	26%	Volcan Compañía Minera S.A.A.	100	Operating	12.66	17.92
Concheno	Gold	Mexico	1,120.1	26%	Minera Frisco, S.A.B. de C.V.	100	Operating	10.23	12.26
Inmaculada	Silver	Peru	3,832.3	27%	Hochschild Mining plc	100	Operating	6.93	14.40
San Cristobal	Zinc	Bolivia	6,156.9	28%	Sumitomo Corporation	100	Operating	17.49	19.70
Crespo	Silver	Peru	8,318	29%	Hochschild Mining plc	100	Construction Planned	8.39	10.79
Garpenberg	Zinc	Sweden	6,255.2	29%	Boliden AB (publ)	100	Operating	7.54	11.02
Hellyer	Zinc	Australia	953.0	30%	NQ Minerals Plc	100	Operating	8.72	13.10
Dolores	Silver Zinc	Mexico Peru	3,590.1 2,029.9	30% 30%	Pan American Silver Corp. Nexa Resources Perú S.A.A.	100 100	Operating	13.33 24.37	17.60 31.02
El Porvenir Atacocha	Zinc	Peru Peru	2,029.9 1,099.7	30%	Nexa Resources Perú S.A.A. Nexa Resources Atacocha S.A.A.	100	Operating	24.37 19.87	31.02 27.79
Atacocha IMMSA	Zinc	Mexico	3,720.3	35%	Southern Copper Corporation	100	Operating	7.52	8.37
Ocampo	Gold	Mexico	299.7	36%	Minera Frisco, S.A.B. de C.V.	100	Operating	5.06	5.75
Tighza	Lead	Morocco	1,070.3	37%	Auplata Mining Group	100	Operating	9.39	11.40
Zarechensky	Zinc	Russia	334.1	37%	Public Joint-Stock Company Chelyabinsk Zinc Plant	84	Operating	9.44	13.11
Raura	Zinc	Peru	257.5	37%	Compañia Minera Raura S.A.	100	Operating	21.88	22.59
Cerro Moro	Gold	Argentina	5,176.1	38%	Yamana Gold Inc.	100	Operating	8.78	13.83
Sindesar Khurd	Zinc	India	14,713.5	38%	Hindustan Zinc Limited	100	Operating	6.20	8.25
Capela	Zinc	Mexico	1,992.1	39%	Industrias Peñoles, S.A.B. de C.V.	100	Operating	18.72	19.14
Asientos Morococha	Gold Silver	Mexico Peru	981.5 1,093.9	40% 40%	Minera Frisco, S.A.B. de C.V. Pan American Silver Corp.	100 92	Operating	11.29 17.65	13.33 28.44
Tizapa	Zinc	Mexico	5,535.0	40%	Industrias Peñoles, S.A.B. de C.V.	51	Operating	7.69	9.07
Huaron	Silver	Peru	1,885.7	42%	Pan American Silver Corp.	100	Operating	13.22	19.39
Cannington	Silver	Australia	11,621.0	43%	South32 Limited	100	Operating	11.15	13.61
San Jose	Silver	Argentina	3,902.6	43%	Hochschild Mining plc	51	Operating	12.79	20.74
Ixtaca	Gold	Mexico	63,181	44%	Almaden Minerals Ltd.	100	Feasibility Complete	10.13	11.03
Santa Elena	Gold	Mexico	1,689.4	45%	First Majestic Silver Corp.	100	Operating	13.74	19.74
Guanajuato District	Silver	Mexico	497.8	46%	Great Panther Mining Limited	100	Operating	16.43	22.14
Cienega	Gold Zinc	Mexico	5,235.6 2,512.3	46% 48%	Freshillo plc	100 100	Operating	10.91 17.80	15.29 19.89
Sabinas Palmareio Complex	Silver	Mexico	2,512.3 6,262.9	48%	Industrias Peñoles, S.A.B. de C.V. Coeur Minina, Inc.	100	Operating Operating	17.80	19.89
Greens Creek	Silver	USA	8,974.5	48%	Hecla Mining Company	100	Operating	14.55	16.79
Cerro de Pasco	Zinc	Peru	2,947.4	51%	Volcan Compañía Minera S.A.A.	100	Operating	5.65	6.48
Saucito	Silver	Mexico	14,134.2	54%	Freshillo pic	100	Operating	11.32	15.05
Galena Complex	Silver	USA	882.9	54%	Americas Gold and Silver Corporation	60	Operating	27.37	38.04
Manantial Espejo	Silver	Argentina	2,541.5	56%	Pan American Silver Corp.	100	Operating	17.33	19.76
Corani	Silver	Peru	144,133	56%	Bear Creek Mining Corporation	100	Construction Planned	10.33	10.66
Rochester	Silver	USA	3,015.8	57%	Coeur Mining, Inc.	100	Operating	16.51	20.31
Topia	Silver	Mexico	418.0	58%	Great Panther Mining Limited	100	Operating	20.53	25.23
San Sebastian	Silver Silver	Mexico	907.0 11,698.5	59% 60%	Hecta Mining Company Fresnillo plc	100 100	Operating Operating	11.95 11.64	15.11 15.08
San Julian San Dimas	Gold	Mexico	11,698.5	60%	Freshillo pic First Majestic Silver Corp.	100	Operating	9.57	15.08
Fresnillo	Silver	Mexico	11,936.5	61%	Freshillo plc	100	Operating	11.37	16.16
Silver Mine	Silver	Finland	1,500.1	66%	Sotkamo Silver AB	100	Operating	13.15	17.25
La Colorada	Silver	Mexico	4,871.8	70%	Pan American Silver Corp.	100	Operating	12.41	17.26
La Pitarrilla	Silver	Mexico	214,236	76%	SSR Mining Inc.	100	Feasibility	10.02	12.20
Pallancata	Silver	Peru	3,495.1	78%	Hochschild Mining plc	100	Operating	13.78	20.78
Guanacevi	Silver	Mexico	3,062.0	78%	Endeavour Silver Corp.	100	Operating	12.34	17.56
San Vicente	Silver	Bolivia	2,385.3	80%	Pan American Silver Corp.	95	Operating	15.98	18.29
Dukat Pirguitas	Silver Silver	Russia	17,261.8 5,220.4	81% 85%	Polymetal International plc	100 100	Operating	10.52 10.83	11.85 14.19
Uchucchacua	Silver	Argentina Peru	5,220.4 4,697.1	85%	SSR Mining Inc. Compañía de Minas Buenaventura S.A.A.	100	Operating	10.83 22.39	14.19 26.79
Cusi	Silver	Mexico	845.5	90%	Sierra Metals Inc.	100	Operating	22.39	24.77
La Preciosa	Silver	Mexico	106,024	91%	Coeur Mining, Inc.	100	Feasibility Complete	14.20	15.90
Julcani	Silver	Peru	1,173.7	95%	Compañía de Minas Buenaventura S.A.A.	100	Operating	16.10	25.60
La Encantada	Silver	Mexico	3,488.4	99%	First Majestic Silver Corp.	100	Operating	10.33	16.42

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	0.46
Touro	Atalaya Mining plc	179,900	164,910	21	NA	1.09
Upper Kobuk Mineral Projects	Trilogy Metals Inc.	1,412,700	779,600	38	2.0	1.81
Tshukudu	Metal Tiger plc	281,000	154,859	39	2.0	1.81
Tshukudu	Metal Tiger plc	402,000	191,601	38	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	23	4.6	0.68
Valunistoye	Highland Gold Mining Ltd.	127,000	223,693	Z4 NA	4.6 NA	4.88
Kutcho Creek		199,443	165,977	35	3.5	1.20
Casino	Kutcho Copper Corp.	1,504,528	1,800,321	26	3.5 2.7	0.84
	Western Copper & Gold Corp. Lundin Mining Corp.	205,000	1,800,321	20	2.7	2.01
Eagle Springfield	Talisman Mining Corp.		54,750	78	1.5	2.01
		115,541	1,921,000	16	5.2	
Rosemont New Luika	Hudbay Minerals Inc. Shanta Gold Ltd.	769,000	8,500	129	5.2 2.0	0.40 4.93
Agi Dagi		41,900 294,224	250,300	39	2.0	
Kirazli	Alamos Gold Inc. Alamos Gold Inc.			39 44	1.9	1.18 1.23
		186,500	151,900	44 56	3.0	
Tahuehueto	Telson Mining Corp.	77,000	32,200			2.39
Woodlawn	Heron Resources Ltd.	151,718	107,244	31 NA	2.3	1.41
Huckleberry Prairie Creek	Imperial Metals Corp.	48,824	212,000		NA	0.23
	NorZinc Ltd.	119,765	188,224	23	4.0 2.5	0.64
Mabilo Basklanda Canut	RTG Mining Inc.	125,000	173,950	34		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

Source: S&P Global Intelligence. 11 August 2021