

Artemis Resources

High-grade gold and copper development and exploration in Western Australia

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The information in this report that relates to Exploration Results and Exploration Targets complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ("The JORC Code") and has been compiled under the supervision of Mr Steve Boda MAIG. Mr Boda is General Manager - Geology and an employee of Artemis Resources Ltd. Mr Boda has sufficient experience relevant to the styles of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a Competent Person as defined in The JORC Code. Mr Boda consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to Mineral Resources complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ("The JORC Code") and has been compiled and assessed under the supervision of Ms Janice Graham MAusIMM MAIG and Dr Simon Dominy FAusIMM(CPGeo) FAIG(RPGeo) FGS(CGeol). Ms Graham is an employee of Snowden Optiro. Dr Dominy is an Executive Director of Artemis Resources Ltd. Ms Graham and Dr Dominy have sufficient experience relevant to the styles of mineralisation and type of deposits under consideration and to the activity being undertaken to individually qualify as a Competent Person as defined in The JORC Code. Ms Graham and Dr Dominy consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

THE ARTEMIS INVESTMENT CASE

Focused on growing and discovering high grade deposits in Western Australia



GREATER CARLOW GOLD-COPPER-COBALT

- High-grade resource foundation
- Exciting growth demonstrated through incremental drilling
- Large land package, regional exploration opportunities



PATERSON CENTRAL GOLD-COPPER

- A unique high-alpha exploration opportunity
- Adjacent to the >10 Moz eq.
 Havieron discovery
- High-priority phase 1 target drilling underway



RADIO HILL NICKEL COPPER PLANT (CARE AND MAINTENANCE)

 Strategically located Radio Hill nickelcopper plant with potential to play a pivotal role in regional developments

CORPORATE SNAPSHOT

Shares on Issue	1,338,330,985
Unlisted Options	89,000,000
AUD\$/GBP£ Share Price (30/12/2022)	A\$0.024/GBP£0.0135
Market Capitalisation	~A\$32m/GBP£18m
Cash and Listed Equities	~A\$ 2.6m
Top 20	64.04%
Citicorp Nominees	19.92%
Jupiter Asset Management (UK)	6.82%
Bennelong Resource Finance	4.06%
Management (inc Options)	5.88%





Securities Exchange Listings

Australia Securities Exchange (ASX:ARV) OTC Markets Group (OTCQB: ARTFF)

London Stock Exchange (AIM: ARV) Frankfurt Stock Exchange (Frankfurt: ATY)

THE BOARD

Experienced UK and Australian based board with a proven track record

Mark Potter Non-Executive Chairman

Mark has over 17 years' experience in natural resources investments. Mr Potter currently serves as a Director and Chief Investment Officer of Metal Tiger Plc (AIM:MTR), a natural resources investment company quoted on the AIM market of the London Stock Exchange, and is the Founder and a Partner of Sita Capital Partners LLP, an investment management and advisory firm specialising in investments in the mining industry.

He was formerly a Director and Chief Investment Officer of Anglo Pacific Group, a London-listed natural resources royalty company, where he successfully led a turnaround of the business through the acquisition of new royalties, disposal of non-core assets, and successful equity and debt fundraisings. Prior to Anglo Pacific, Mark was a founding member and Investment Principal for Audley Capital Advisors LLP, a London-based activist hedge fund, where he was responsible for managing all UK-listed and natural resources investments.

Mark has worked on several landmark deals in the mining sector including the successful distressed investment and turnaround of Western Coal Corp and its C\$3.3bn sale to Walter Energy Inc. Prior to Audley Capital, Mr Potter worked in corporate finance for Salomon Smith Barney (Citigroup) and Dawnay Day, a private equity and corporate finance advisory boutique and completed over \$2bn of M&A, equity and debt transactions. Mark has an MA degree in Engineering and Management from Trinity College, University of Cambridge.

Dr Simon Dominy Technical Director

Dr Dominy is a mining geologist-engineer with over 25 years' experience based in mine operations, consulting and academia. He has worked on a number of gold projects in Australia particularly in WA, QLD and VIC, and across Europe, the Americas, and Africa. Simon is Visiting Associate Professor at the Camborne School of Mines (CSM), University of Exeter, UK. He has expertise across the mine value chain including: sampling/QAQC, developing OBK, geometallurgy, resource/reserve estimation, mine design, project development and operations management.

Since 2015 he has been working with several of private and listed entities developing/operating gold projects including: MG Gold Ltd; Novo Resources Corporation (TSV: NVO); Scotgold Resources Ltd (AIM: SGZ) and OCX Gold Group. Between 2004-2014 he was an Executive Consultant/General Manager with the Snowden Group based in Australia and UK, including two years seconded to the LionGold Corporation (SGX: A78), Ballarat mine, VIC. He has held a range of senior technical roles including Mine Manager, General Manager, Executive Consultant, Group Manager, COO and Principal/Chief Advisor.

Dr Dominy is a Fellow of the Australasian Institute of Mining and Metallurgy ("FAusIMM") and the Australian Institute of Geoscientists ("FAIG"). Over the past 20 years he has acted as a Competent/Qualified Person on numerous mineral deposits globally.

THE BOARD

Experienced UK and Australian based board with a proven track record

Vivienne Powe Non-Executive Director

Vivienne was appointed a Director of the Company on 4 July 2022. Vivienne is a metallurgical engineer with over 30 years industry experience including senior executive roles with a strong track record of creating shareholder value in top tier, global mining, mining services and oil & gas companies. She is currently EGM - Business Development at Lynas Rare Earths (ASX: LYC). Prior to joining Lynas, she has served in senior executive and leadership roles in private and listed organisations which have included Perenti, Global Advanced Metals, BHP, Iluka Resources, Woodside Energy and Renison Goldfields Consolidated. Mrs Powe's expertise spans operations, project development and M&A across a wide range of commodities.

Ms Powe holds a Bachelor of Engineering degree (Metallurgical Engineering, with Distinction) from the Royal Melbourne Institute of Technology, a Graduate Diploma in Applied Finance & Investment from FINSIA and a Master of Business Administration (Technology Management) from Deakin University.

Guy Robertson Chief Financial Officer and Company Secretary

Mr Robertson was appointed Company Secretary on 12 November 2009. Mr Robertson has over 30 years' experience as a Director, CFO and Company Secretary of both public (ASX-listed) and private companies in both Australia and Hong Kong. He has had significant experience in due diligence, acquisitions, IPOs and corporate management. Guy has a Bachelor of Commerce (Hons) and is a Chartered Accountant. He is a director of Hastings Technology Metals Ltd, Metal Bank Limited and GreenTech Metals Ltd.

Mr Daniel Smith Non-Executive Director

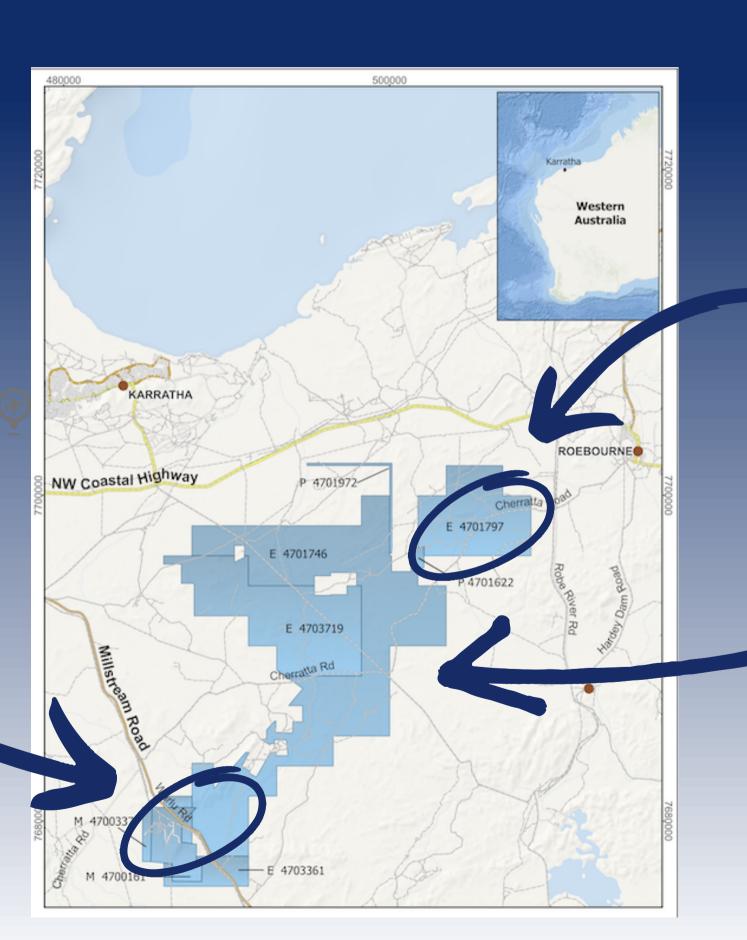
Mr Daniel Smith holds a Bachelor of Arts, is a Fellow of the Governance Institute of Australia with a strong background in finance having previously worked in the broking industry. Mr Daniel Smith has 14 years' primary and secondary capital markets expertise and has advised on and been involved in a number of IPOs, RTOs and capital raisings on the ASX, AIM and NSX.

Mr Smith is a non-executive director of Alien Metals Limited, White Cliff Minerals Limited and Nelson Resources Limited, non-executive director and company secretary of Europa Metals Limited, QX Resources Limited and Lachlan Star Limited, and is company secretary of a number of companies on ASX and NSX.

WEST PILBARA PROJECTS

Significant acreage with existing infrastructure

Radio Hill Nickel-copper plant (On care and maintenance).



Greater Carlow gold-copper-cobalt 704,000 Oz AuEq.

Highly prospective 220km² total land holding



CURRENT GREATER CARLOW MINERAL RESOURCE

Encouraging polymetalic potential across the licence

704,000 Oz Eq. @ 2.5 g/t Au Eq.

OP or UG	Au Eq. cut- off (g/t)	Tonnes (Mt)	Au Eq. (g/t)	Au (g/t)	Cu (%)	Co (%)	Oz Eq.	Au (oz)	Cu (t)	Co (t)
Open pit	0.7	7.25	2.4	1.3	0.73	0.09		296,000	53,000	6,500
Underground	2.0	1.49	3.1	1.6	0.72	0.12		78,000	11,000	1,800
Total Inferred		8.74	2.5	1.3	0.73	0.09	704,000	374,000	64,000	8,000

TABLE 1 - GREATER CARLOW INFERRED MINERAL RESOURCES BY ASSUMED MINING METHOD REPORTED ABOVE A CUT-OFF OF 0.7 G/T AU EQ. WITHIN AN OPTIMISED OPEN PIT SHELL AND ABOVE A 2 G/T AU EQ. CUT-OFF FOR UNDERGROUND USING MSO SHAPES (CURRENT AS AT 13 OCTOBER 2022). THE ENTIRE RESOURCE IS CLASSIFIED AS AN INFERRED MINERAL RESOURCE IN ACCORDANCE WITH THE JORC CODE, 2012. ALL TONNES ARE DRY METRIC TONNES. FIGURES MAY NOT COMPUTE DUE TO ROUNDING.

READY FOR FURTHER GROWTH

Resource open at depth in both the western zone and Carlow deeps/Carlow keel zone.

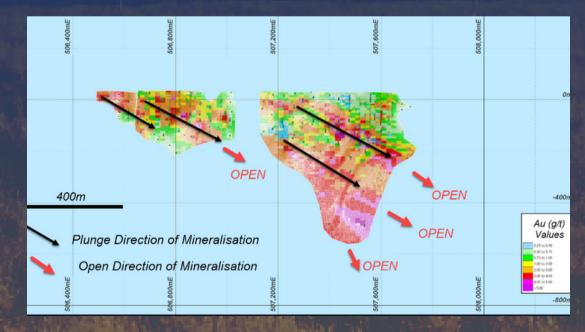
Potential at Carlow North and other untested targets in the Greater Carlow project area and tenement-wide.

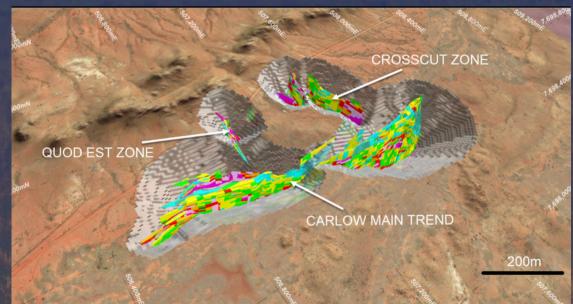
Resource area open in multiple lateral directions including the Western/Quod Est zones, Crosscut zone and the Main trend to the east and west.

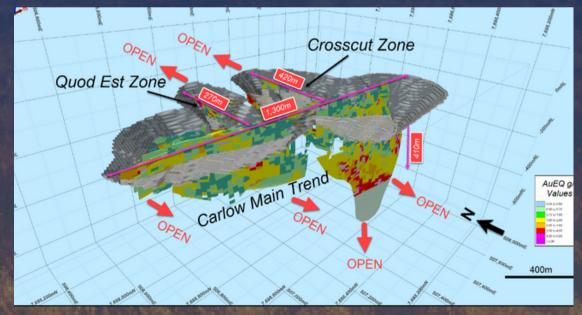




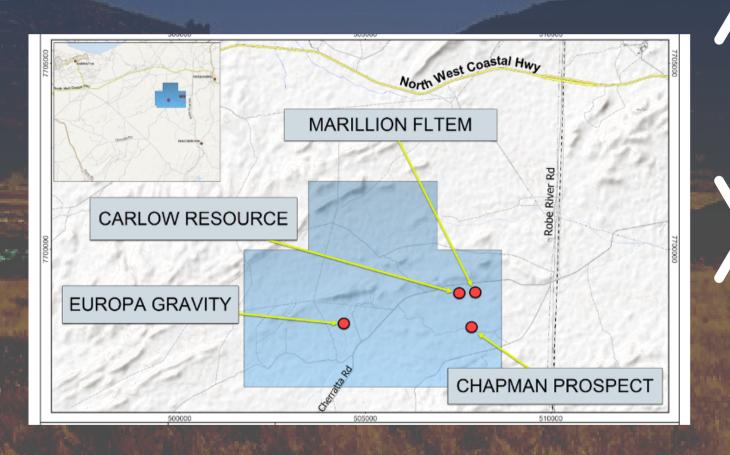


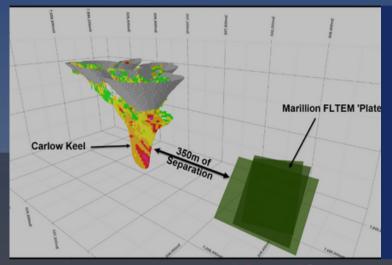


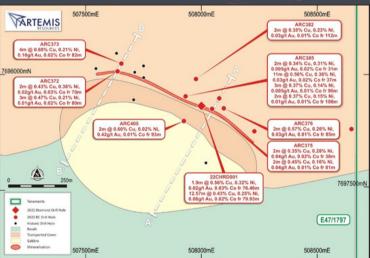


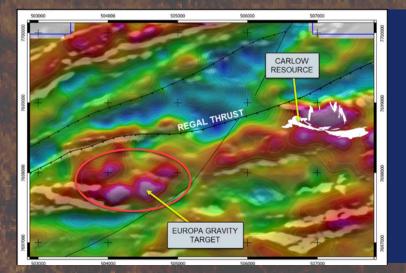


REGIONAL POTENTIAL









Marillion target

- A very high tenor (>11,000 s) FLEM 500 m by 350 m anomaly
- Potential continuation of Carlow Keel, or an entirely new discovery

Chapman Cu-Ni-Au discovery

- Magmatic deposit over 800 m in strike defined already by wide-spaced, first pass drilling
- High grade gold and copper in secondary structures

Europa target

- Coincident gravity and magnetic target
- Located ~3 km to the southwest of the Carlow resource area and in the same structural corridor

FAVOURABLE PROJECT LOCATION



Located only 22 km east of the city of Karratha and 9 km west of the town of Roebourne



Potential to utilise sustainable energy sources - the A\$22B, 26 GW asian renewable energy hub slated for development by BP in the Pilbara



Nearby air, sea and land transport infrastructure all in place



Large resident skilled workforce pool to draw from. A non-FIFO workforce would contribute to local economy



Two high voltage transmission lines cross the licence area

GREATER CARLOW SUMMARY



High-grade Inferred Mineral Resource compares favourably to other Western Australian predevelopment projects



Continued focus on local and regional exploration targets to find further stand alone resources



83% open pit, with underground potential

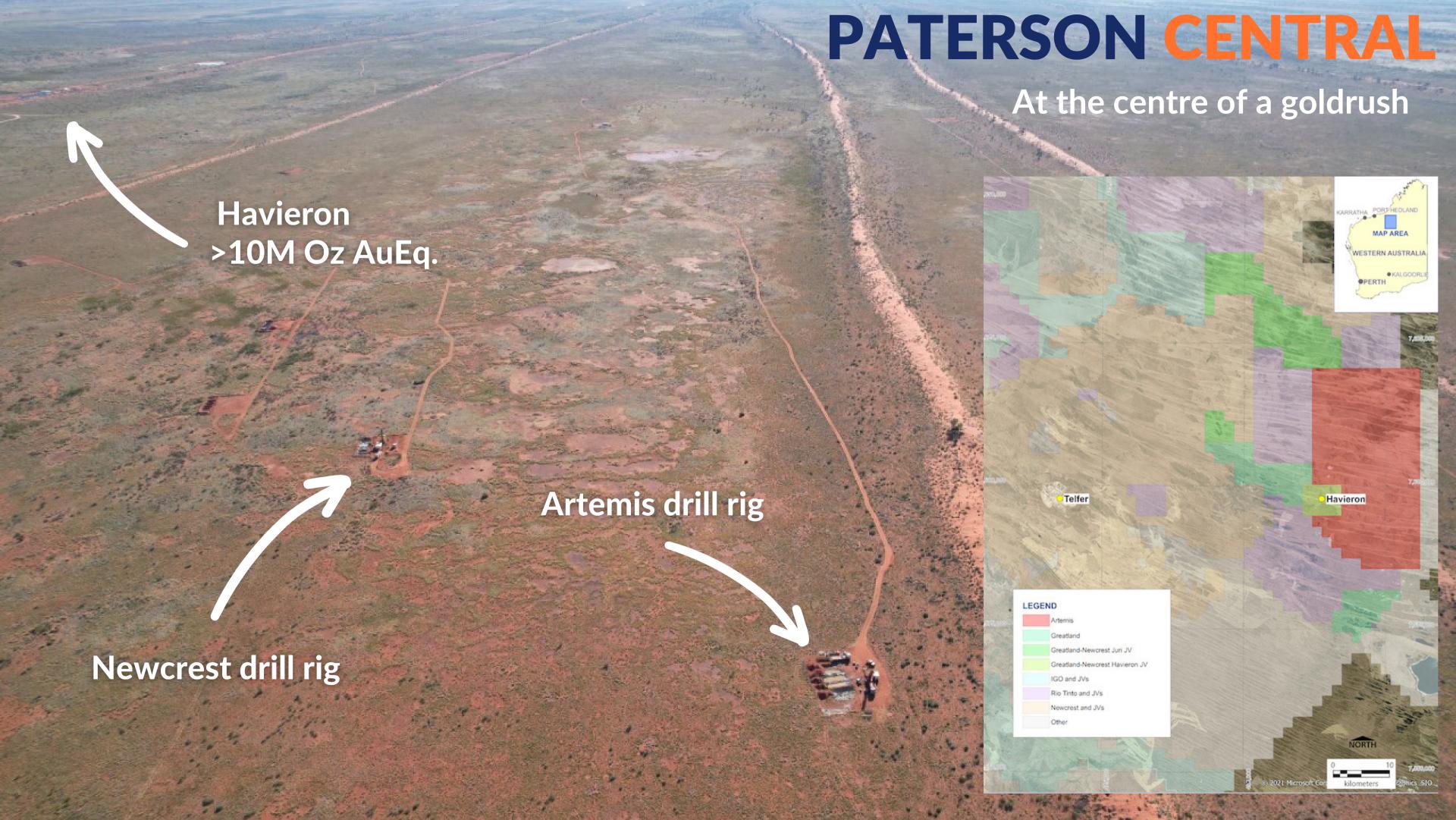


Genuine multi-commodity precious and battery metal deposit



K Y

Potential to continue to increase size of project as resource remains open in multiple directions



PATERSON CENTRAL

A Strategic Landholding in Elephant Country

RELATED DISTRIS

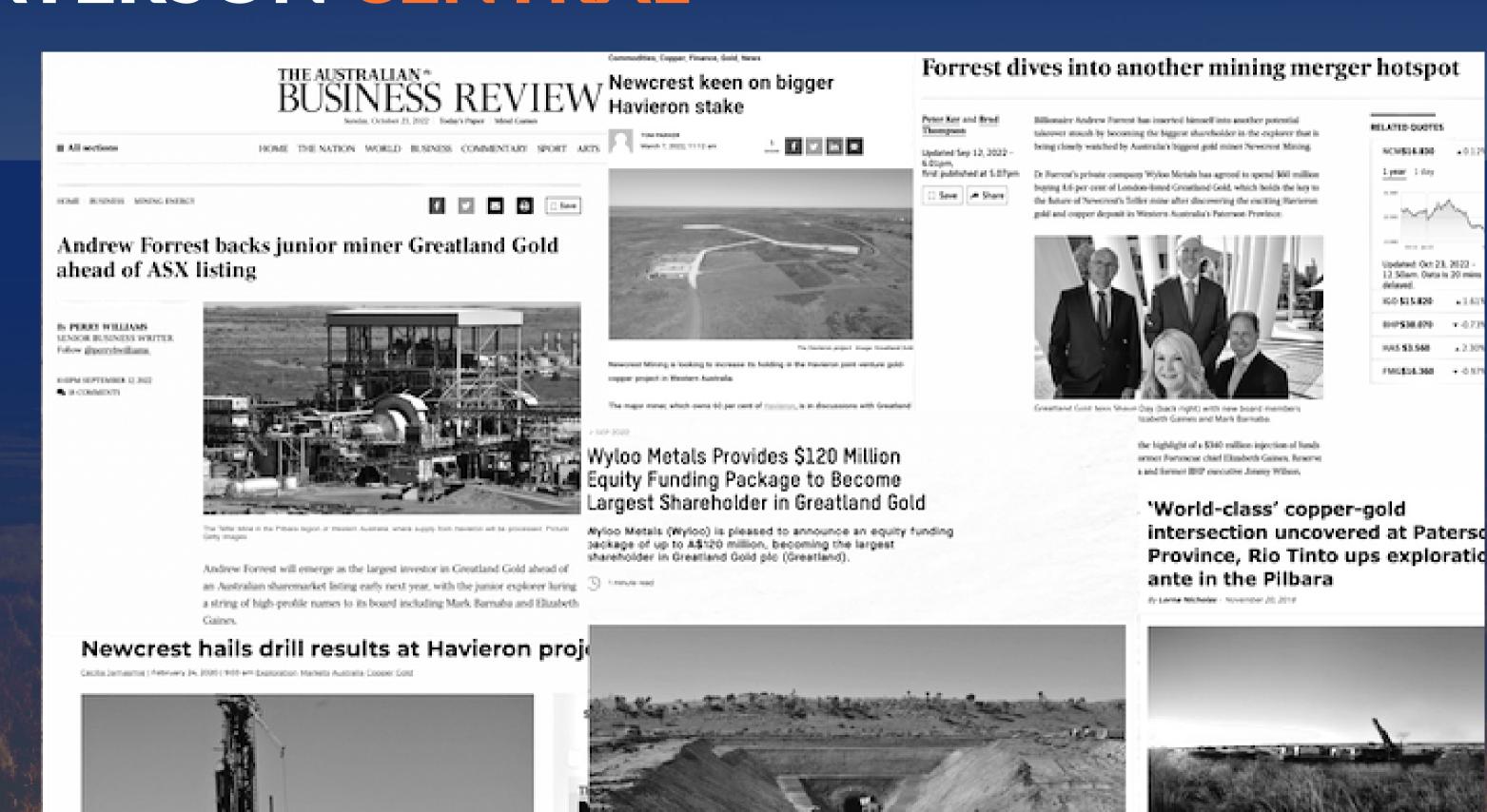
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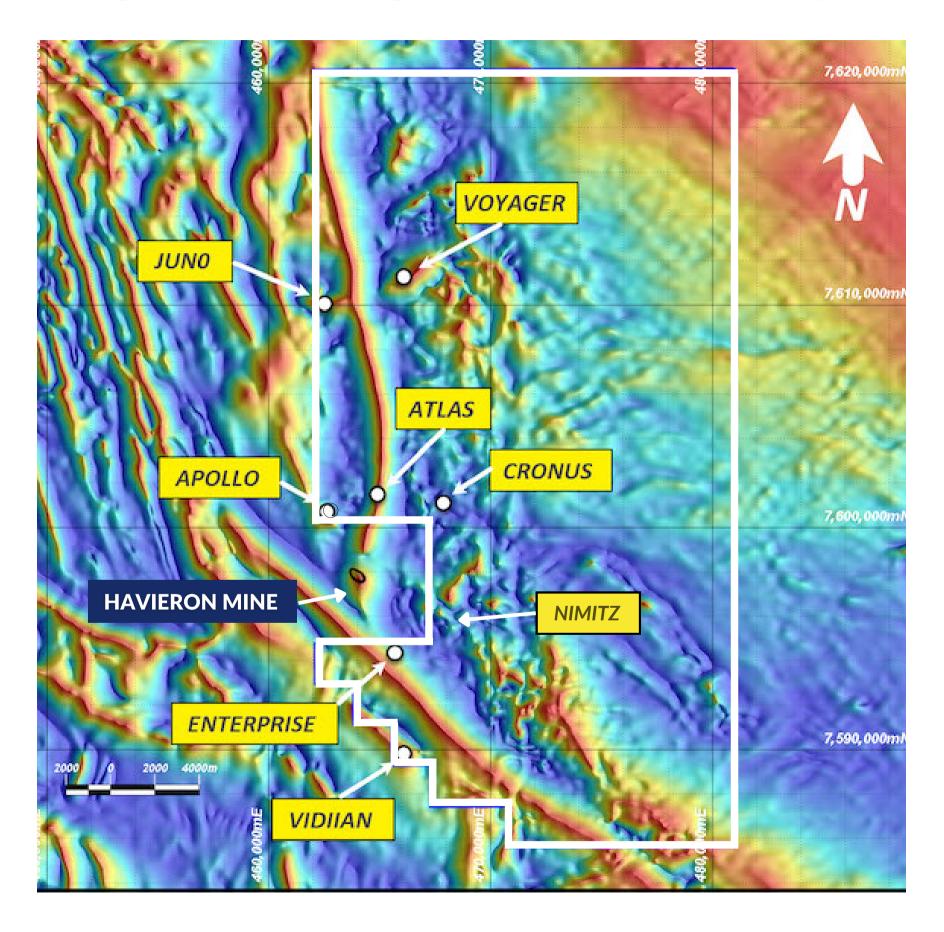
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PAS \$3,940

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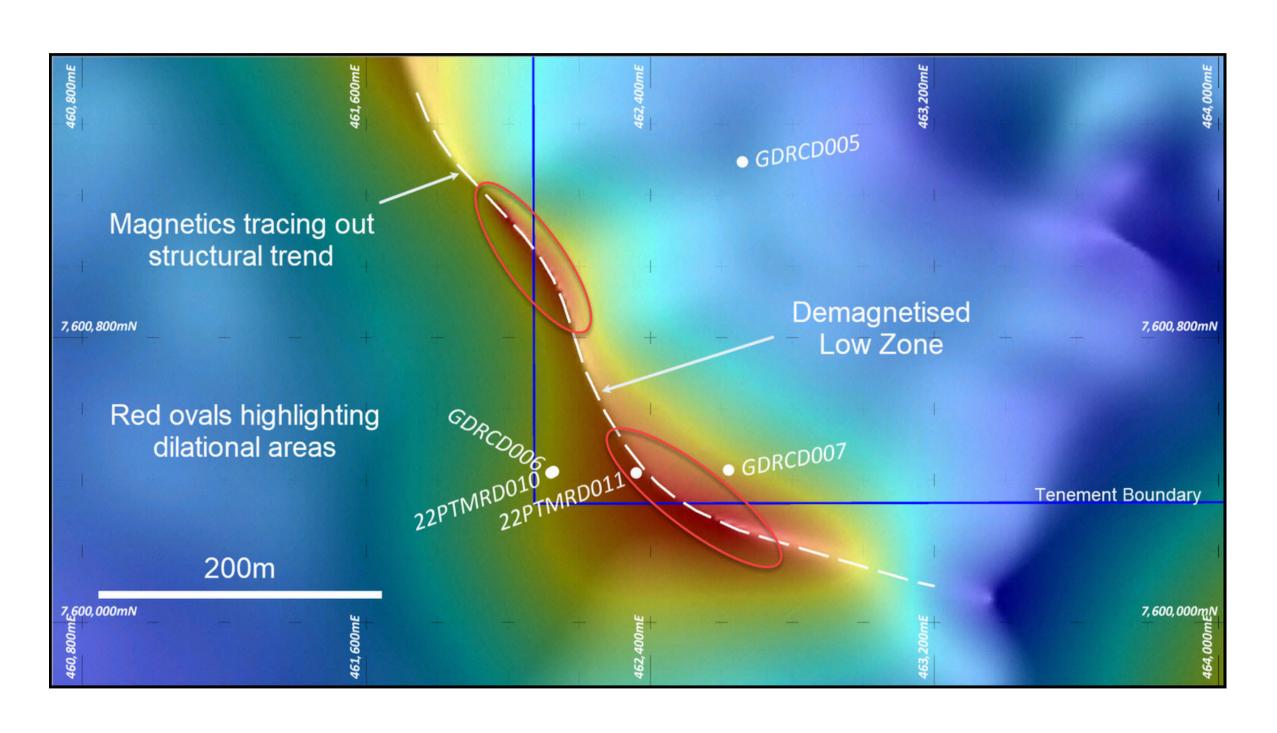


HIGH-PRIORITY TARGETS



- High-priority targets within the Havieron "NW corridor" - Apollo, Atlas and Enterprise
- Standalone structural and geophysical targets - Juno, Voyager, Cronus, Vidiian and Nimitz
- Apollo and Atlas subject to 2021-2022 drilling
- Juno and Voyager to be drilled in H1 2023

GEOPHYSICAL TARGET - APOLLO



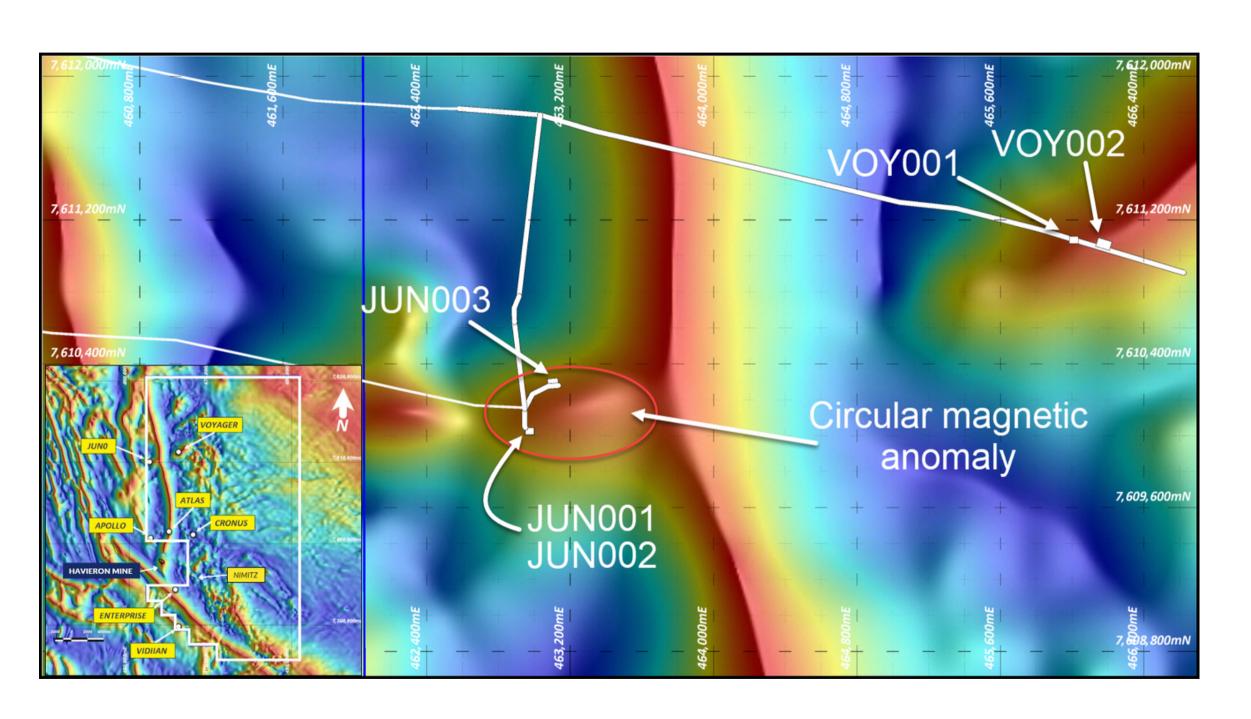
- Prominent flexures in structural lineaments are highlighted by magnetics at Apollo
- Recent drilling has revealed multi-phase breccias and veining that host poly-metallic systems
- 800 m of strike length remain to be tested





- Mineralisation in breccia intersected in drilling appear similar to Havieron
- Geophysical targets are the exploration driver
- Further work at Apollo to be completed in 2023

GEOPHYSICAL TARGET - JUNO/VOYAGER



- Distinctive circular magnetic feature located at Juno
- Highly prospective target, similarities to the Havieron magnetic anomaly
- Spatially located near the North-South structure that intersects the Havieron mineralisation
- Target to be drilled Q2 2023

PATERSON CENTRAL SUMMARY



Strategic location surrounding and adjacent to the world-class havieron gold-copper discovery >10 Moz eq. and growing



Systematic testing of Artemis targets has commenced at the Apollo and Atlas targets



Artemis is the only junior mining company that has maintained 100% of its tenure in the Havieron region



Juno, Voyager, Vidian and Enterprise targets will be tested Q2-Q4 2023



Multiple targets identified using geophysics, geochemistry and structural geological interpretation

RADIO HILL NI-CU PLANT

- Only 30 km south of Karratha, the strategically positioned Radio Hill nickel-copper plant is currently on care and maintenance
- A recent, high-level engineering review suggests the ~425,000 tpa crushing and grinding circuit in viable condition and likely only requires modest refurbishment and flotation circuit requiring full replacement
- Large amount of associated plant infrastructure (power/water/accommodation) and spares inventory
- Three large permitted tailings storage facilities in place along with environmental and production permits in good standing
- Discussions with interested parties regarding investment models to utilise Radio Hill to treat local and regional nickel-copper ores
- 100%-owned with current book value of ~A\$20M





Domain	Tonnes(Mt)	Au Eq. (g/t)	Au (g/t)	Cu (%)	Co (%)	Au (oz)	Cu (t)	Co (t)
Oxide	1.29	1.5	0.8	0.59	0.07	34,000	8,000	1,000
Transition	1.49	2.0	1.2	0.84	0.09	56,000	13,000	1,000
Fresh	5.96	2.8	1.5	0.73	0.10	285,000	44,000	6,000
Total	8.74	2.5	1.3	0.73	0.09	374,000	64,000	8,000

TABLE 2 - GREATER CARLOW MINERAL RESOURCES BY WEATHERING STATE REPORTED ABOVE A CUT-OFF OF 0.7 G/T AU EQ. WITHIN AN OPTIMISED OPEN PIT SHELL AND ABOVE A 2 G/T AU EQ. CUT-OFF FOR UNDERGROUND USING MSO SHAPES (CURRENT AS AT 13 OCTOBER 2022). THE ENTIRE RESOURCE IS CLASSIFIED AS AN INFERRED MINERAL RESOURCE IN ACCORDANCE WITH THE JORC CODE, 2012. ALL TONNES ARE DRY METRIC TONNES. FIGURES MAY NOT COMPUTE DUE TO ROUNDING.

Area	Tonnes(Mt)	Au Eq. (g/t)	Au (g/t)	Cu (%)	Co (%)	Au (oz)	Cu (t)	Co (t)
Main	6.33	2.4	1.3	0.70	0.08	271,000	44,300	5,100
Quod Est	0.19	3.2	1.5	0.85	0.24	9,000	1,600	450
Crosscut	0.73	2.2	0.7	0.99	0.09	16,000	7,300	650
Total	7.25	2.4	1.3	0.73	0.09	296,000	53,200	6,200

TABLE 3 - GREATER CARLOW MINERAL RESOURCES REPORTED BY AREA ABOVE A CUT-OFF OF 0.7 G/T AU EQ. WITHIN AN OPTIMISED PIT SHELL (CURRENT AS AT 13 OCTOBER 2022). THE ENTIRE RESOURCE IS CLASSIFIED AS AN INFERRED MINERAL RESOURCE IN ACCORDANCE WITH THE JORC CODE, 2012. ALL TONNES ARE DRY METRIC TONNES. FIGURES MAY NOT COMPUTE DUE TO ROUNDING.

Area	Tonnes(Mt)	Au Eq. (g/t)	Au (g/t)	Cu (%)	Co (%)	Au (oz)	Cu (t)	Co (t)
Main	1.09	3.1	1.9	0.57	0.11	66,000	6,250	1,200
Crosscut	0.39	3.1	1.0	1.14	0.14	12,500	4,450	550
Total	1.49	3.1	1.6	0.72	0.12	78,500	10,700	1,750

TABLE 4 - GREATER CARLOW MINERAL RESOURCES REPORTED BY AREA ABOVE A CUT-OFF OF 2 G/T AU EQ. FOR UNDERGROUND USING MSO SHAPES (CURRENT AS AT 13 OCTOBER 2022). THE ENTIRE RESOURCE IS CLASSIFIED AS AN INFERRED MINERAL RESOURCE IN ACCORDANCE WITH THE JORC CODE, 2012. ALL TONNES ARE DRY METRIC TONNES. FIGURES MAY NOT COMPUTE DUE TO ROUNDING.

Parameter	Input Value
Overall Slope Angles	Oxide 40°Transition 45°Fresh 50°
Processing Cost	AU\$50 / t
Gold Recovery	Oxide: 96%Transitional: 93.5%Fresh:93%
Copper Recovery	Oxide: 61%Transitional: 56%Fresh: 90.5%
Cobalt Recovery	Oxide: 47%Transitional: 43%Fresh: 78%
Mining Costs	AU\$2.70 / t +0.5c / t per m below 30 m RL, thereafter addTransitional AU\$0.25 / t and Fresh AU\$0.50 / t . OP Strip Ratio 12:1
NSRs (incl. payability, royalty and treatment and refining costs)	Gold: 94%Copper: 84%Cobalt: 41%
Gold Price	AU\$2,600 / oz
Copper Price	AU\$12,699 / t
Cobalt Price	AU\$90,478 / t
Au Royalty (in dore)	2.5%
Au Royalty (in concentrate)	5%
Cu Royalty	5%
Co Royalty	5%

TABLE 5 - SIGNIFICANT INPUTS TO THE JORC INFERRED RESOURCE