



Q1 2022

Artemis Resources Limited

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COMPETENT PERSONS STATEMENT

The information in this announcement that relates to Exploration Results and Exploration Targets is based on information compiled or reviewed by Mr. Steve Boda, who is a Member of the Australasian Institute Geoscientists. Mr. Boda is an employee of Artemis Resources Limited. Mr. Boda has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Boda consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on information first released to the ASX on May 20 "Carlow Castle Update and Proposed Capital Raise" compiled by Mr. Phil Jankowski, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Jankowski has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Jankowski consents to the inclusion of the matters based on this information in the form and context in which it appears.

COMPETENT PERSONS DISCLOSURE

Mr. Boda is an employee of Artemis Resources Limited and currently holds securities in the company. Mr. Jankowski and CSA act/acted as consultants to the Company.

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The contents of this announcement reflect various technical and economic conditions at the time of writing. Given the nature of the resources industry, these conditions can change significantly over relatively short periods of time. Consequently, actual results may vary from those in this announcement. Some statements in this announcement regarding estimates or future events are forward-looking statements. They include indications of, and guidance on, future earnings, cash flow, costs and financial performance. Forward-looking statements include, but are not limited to, statements preceded by words such as "planned", "expected", "projected", "estimated", "may", "Scheduled", "intends", "anticipates", "believes", "potential", "predict", "foresee", "proposed", "aim", "target", "opportunity", "could", "nominal", "conceptual" and similar expressions. Forward-looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward-looking statements are provided as a general guide only and should not be relied on as guarantee of future performance. Forward-looking statement may be affected by a range of variables that could cause actual results to differ from estimated results and may cause the Company's actual performance and financial results in future periods to materially differ from any projections of future performance or results expressed or implied by such forward-looking statements. So there can be no assurance that actual outcomes will not materially differ from these forward-looking statements.

Investment Case

- The Directors believe Artemis has the ability to **repeat** the stock market success of Greatland Gold (AIM:GGP) as the Company looks for exploration success at Paterson Central gold-copper project where the Company has **100% ownership** of its assets
- Should Havieron be part of a “camp scale” series of gold deposits then by **retaining 100% ownership** of its tenure the Directors believe Artemis is in a **highly leveraged strategic position** to be a potential Tier 1 gold-copper discovery in a **Tier 1 investment jurisdiction**
- Visual inspection of first drill holes into Apollo Target provide significant encouragement with “Havieron-like” geology encountered
- Company value **buoyed** by Greater Carlow gold-copper-cobalt project and the nearby Radio Hill Plant
- Experienced UK and Australian-based Board members with proven track record in generating mining investment returns for shareholders
- **Exploration at Paterson and Carlow due to re-commence early in 2022**



Company drilling at the Atlas prospect in December 2022.

Corporate Snapshot



Artemis Resources Ltd

ASX/AIM: ARV

FRA: ATY

OTCQB: ARTTF

Shares On Issue @ 14/01/2022 **1,254,997,651**

Share Price @ 14/01/2022 **A\$0.07**

Market Cap@ 14/01/2022 **A\$87.4m**

Top 20 shareholders **45.7%**

Directors + Senior Management (Shares & Options) **117,983,372**

Share Distribution

- Australia ~ 31%
- UK ~22%
- Europe ~12%
- Nth America ~6%
- Undisclosed ~27%

Board of Directors

Non-Executive Chairman: Mark Potter

- Financier/Engineer
- Director and Chief Investment Officer of AIM-listed mining investment company Metal Tiger PLC and Chairman of ASX/AIM listed company Thor Mining Plc and ASX listed GreenTech Metals.
- Former Investment Director at Audley Capital and Director at royalty streaming company AngloPacific.

Executive Director: Alastair Clayton

- Financier/Geologist with 25 years' experience in mining investment, corporates and Investment Companies
- Director of ASX100 Extract Resources representing Kalahari Minerals PLC- sold for A\$2.2B
- Co-founder of explorer to dividend payer Universal Coal PLC
- Former Executive Director of Primorus Investments PLC (AIM:PRIM)

CFO: Guy Robertson

- More than 30 years' finance and senior executive experience across Australia and Asia
- Director of Hastings Technology Metals Ltd (ASX) and Non-Executive Director of Metal Bank Ltd (ASX)

Non-Executive Director: Dan Smith

- Significant experience in capital markets and corporate governance of listed companies
- Non-Executive Director of Europa Metals Ltd (AIM), Alien Metals (AIM), Lachlan Star Ltd (ASX), HIPO Resources and White Cliff Minerals Ltd (ASX)

Non-Executive Director: Edward Mead

- Geologist with 25 years' experience in gold and base metals exploration, mine development and mine production
- 17 years' West Pilbara geology experience for private and public companies including Whitecliff Minerals Limited

Independent Non-Executive Director: Dr Simon Dominy

- Mining geologist-engineer with over 25 years' experience based in mine operations, consulting and academia
- Has worked with a number 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

Senior Management

General Manager Geology: Steve Boda

- Geologist with extensive experience in copper, gold and base metal projects across a number of different continents.

Portfolio: Two gold-copper opportunities in Western Australia

Paterson Central

- High potential greenfield exploration opportunity in an east Pilbara gold-copper exploration frontier
- 100% owned ~600km² exploration licence covering the Paterson Central prospects
- Paterson Central adjacent to the potentially world class Havieron Au-Cu discovery made by Greatland Gold (LON: GGP) and now being advanced by Newcrest Mining (ASX: NCM)
- Phase 1 drilling of 4 holes completed in Q4 2021, awaiting assay results, expected March
- Drilling targeted to recommence mid - Q1 2022

Carlow Castle Gold-Copper-Cobalt Project

- Potential to grow Gold-Copper-Cobalt resource, regional exploration upside
- Highly prospective tenement package ~30km south of Karratha
- 100%-owned Radio Hill processing plant 35km from Karratha (on care & maintenance)

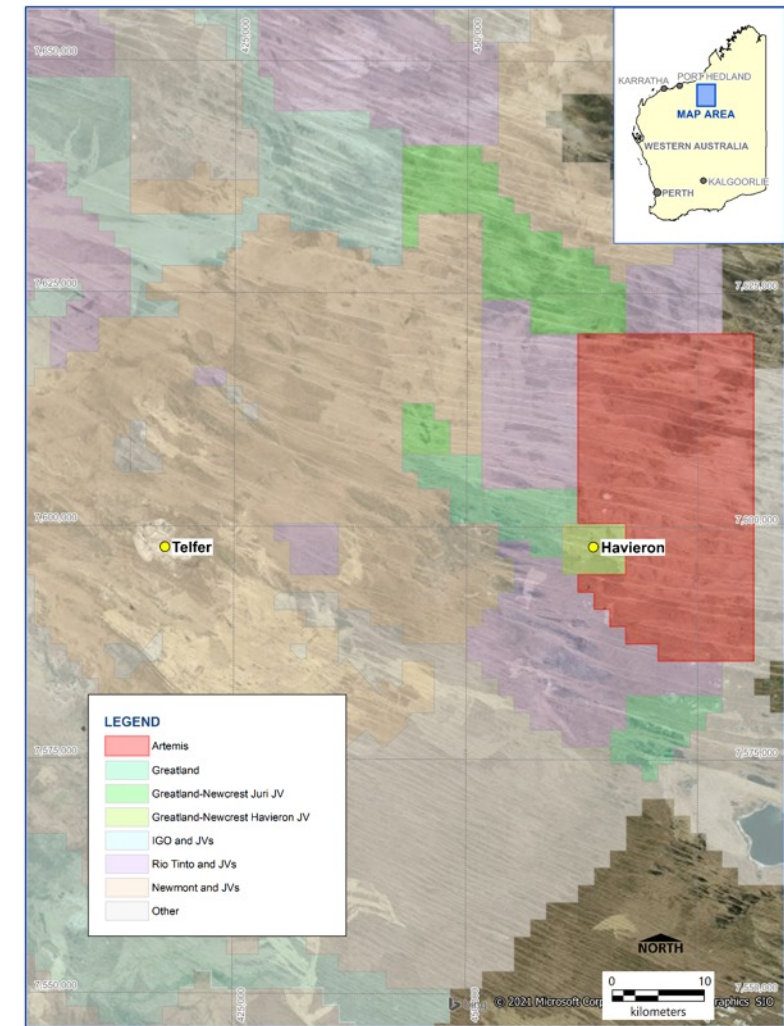


Paterson Central Project



Paterson Central: Leverage to Tier 1 Potential

- Artemis is the only listed junior mining company in the near Havieron area that retains a 100% interest in all its tenure
- All other ground local to Havieron is held by, or encumbered by other companies such as Newcrest or Rio Tinto
- The Paterson Province, on the edge of the Great Sandy Desert, home to the 27Moz Telfer Gold Mine, the third largest in Australia
- This largely unexplored, remote area has become a sought-after exploration province following stunning success by Rio Tinto (ASX/LON: RIO) and Greatland Gold (LON: GGP)
- Rio Tinto discovered the Winu Copper/Gold Deposit in 2018
- Greatland Gold PLC discovered the Havieron Gold/Copper Deposit in 2018



Map -Regional Tenement holdings with joint venture interests.

Paterson Central: Adjacent to the Havieron Au-Cu Development

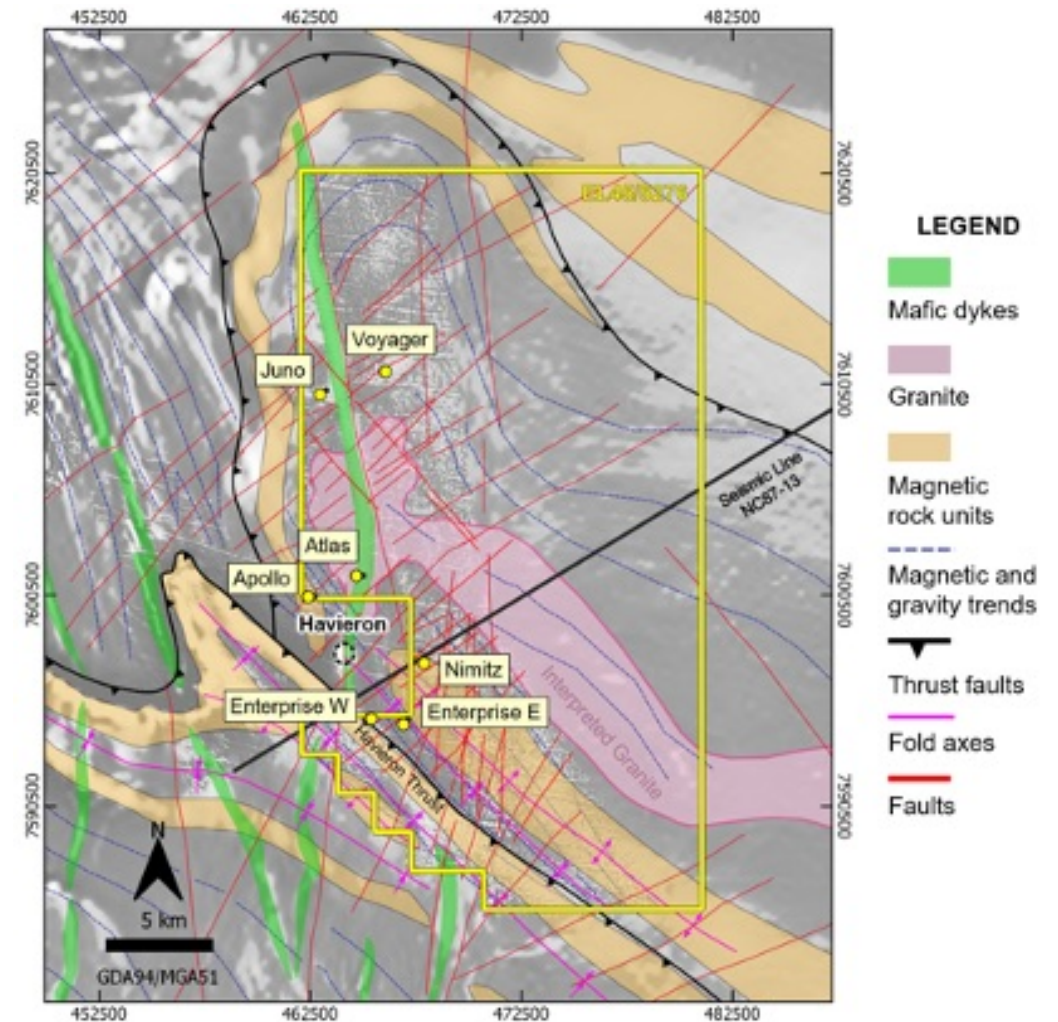
- Havieron is a structurally controlled, intrusive related gold and copper discovery
- Starter resource of 3.4Moz Au and 160kt Cu (52Mt @ 2.0g/t Au, 0.31% Cu) announced in December 2020. Expected to grow significantly over coming years
- 2018 JV and Farm-in has project ownership at 70% Newcrest and 30% Greatland Gold
- December 2021 Newcrest Exercise Option to purchase a further 5% of Havieron Licence for a sum to be agreed in February 2022
- Analysts believe Havieron may support bulk mining underground methods at grades well in excess of those mined at Telfer today
- Box-cut construction underway with view to providing urgently needed ore for the giant (~22mtpa) Telfer mining and milling complex some 40km to the West
- Artemis's 100% owned key targets are all less than 3km from Havieron



Box-cut construction at Havieron mid-2021 (source Greatland Gold website)

Paterson Central: Target Generation

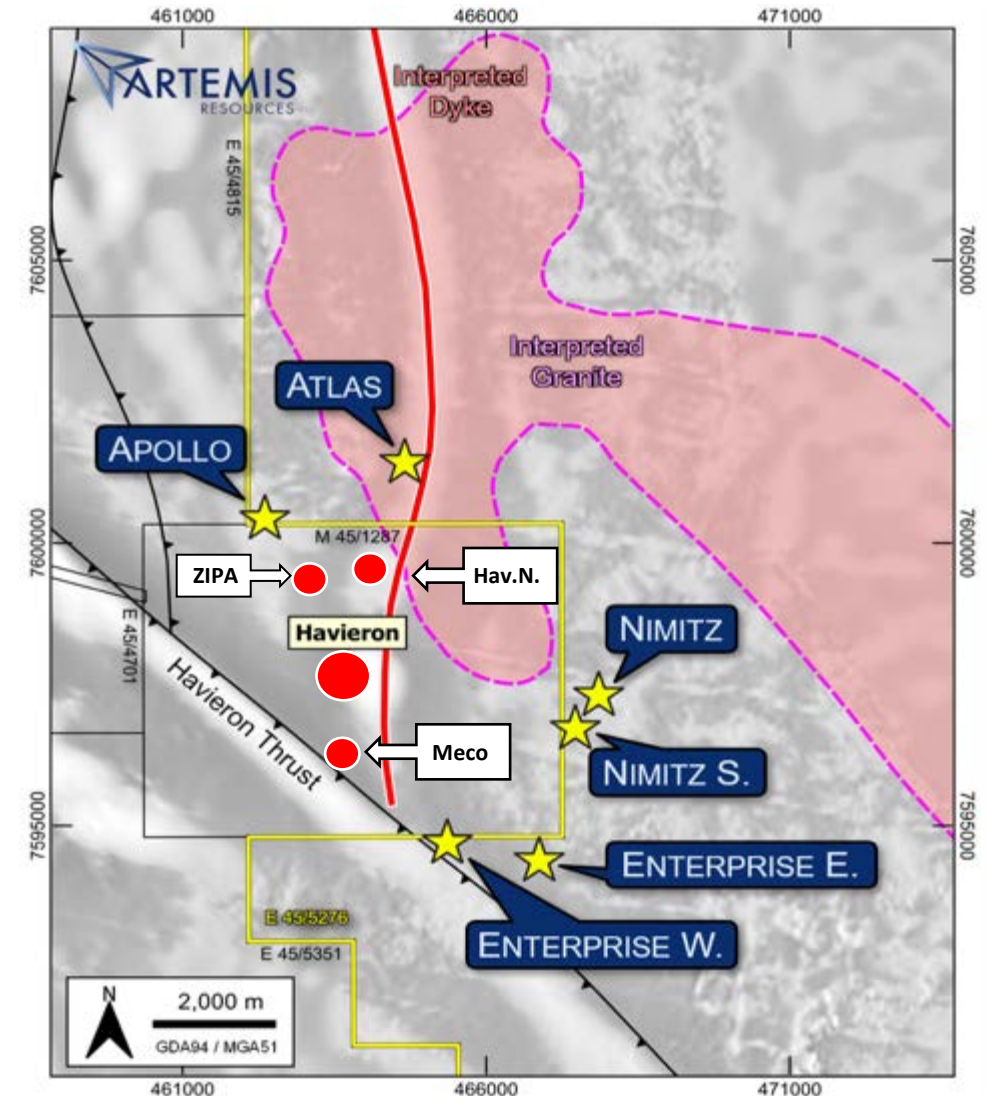
- Targets generated using Geological, Magnetic, Gravity, Seismic, Structural and Geochemical datasets
- Permian cover ranges from ~400m in the west at Apollo to ~450m in the east at Nimitz
- Large Ionic Leach geochemistry survey across southern and central licence areas returns anomalous Au, Cu, Ag, Bi and Te coincident with several key targets
- Path to discovery is to drill test systematically our highest priority targets



Map – Artemis regional geological interpretation and major targets)

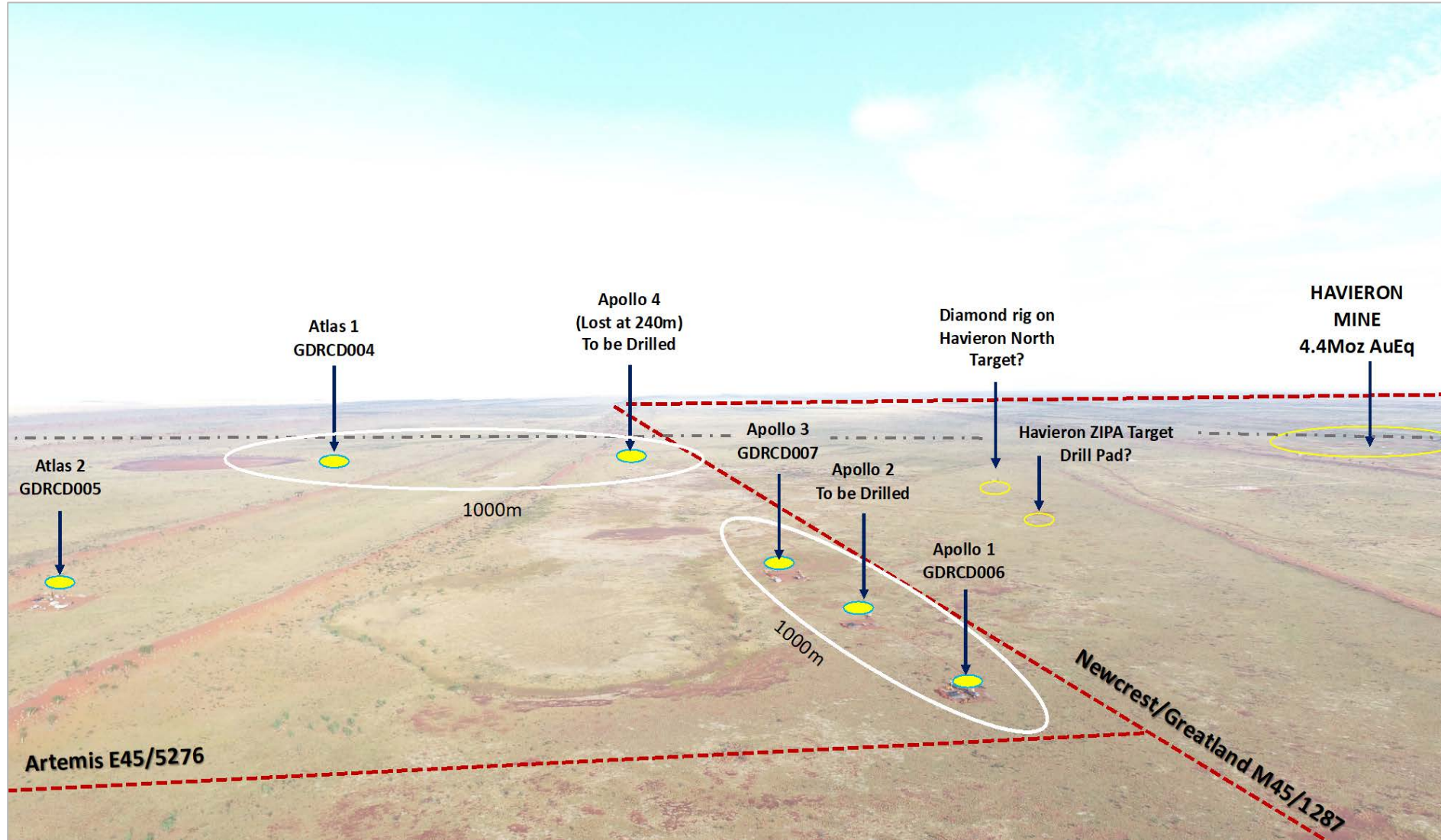
Paterson Central: Adjacent to the Havieron Au/Cu Development

- Company believes and drilling confirms favourable regional and local geology that host Havieron continues into Artemis ground
- Major crustal thrust fault and secondary splay fault “plumbing” that transect Havieron continue into Artemis ground
- Regional “heat engine” Granites interpreted to be widespread beneath Artemis ground
- Current drill programme is focused on the Atlas and Apollo targets
- Apollo drilling is concentrated on a 500m wide gravity ridge that extends from the Newcrest JV ZIPA drill target
- Apollo/Atlas drilling is also focused on a North-trending gravity ridge that extends from the Newcrest JV Havieron North drill target
- In late 2021 the Newcrest JV drilled at both ZIPA and Havieron North, assays are pending



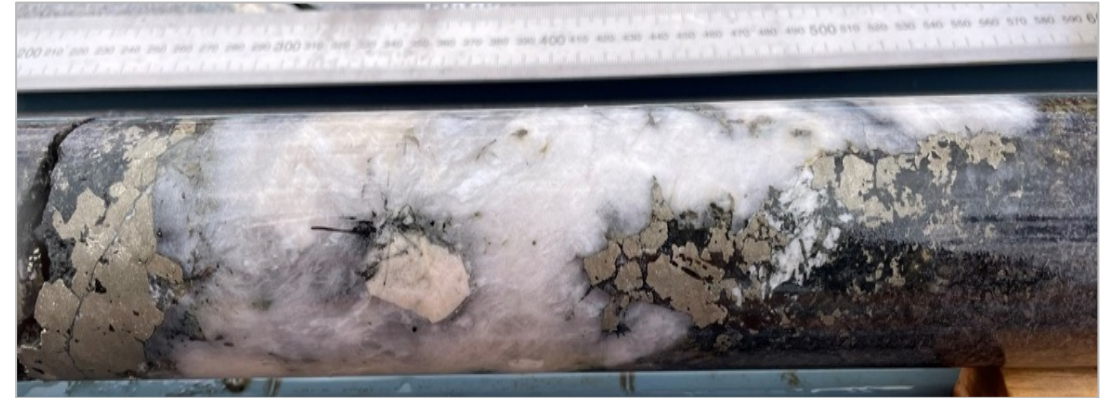
Map – Artemis regional geological interpretation with gravity and major regional targets

Paterson Central: 2021 Drill Programme Atlas and Apollo Phase 1



Map – Dec 2021 Drone photo looking E, schematic of Artemis drill locations and target footprints (yellow), licence boundaries (red) and the location of Havieron and regional targets (blue)

- 4 holes completed in late 2021 and a 5th hole lost before target depth for a total of 3,012m
- Highly encouraging geology intercepted in GDRCD007 drilled from the Apollo 3 Pad
- Key target rock types successfully intercepted including;
 - Altered sulphidic diorite that appears similar to a diorite at the core of Havieron
 - A high-temperate alteration assemblage of Quartz-Calcite-Chlorite-Actinolite +/- Biotite
 - In places a significant Sulphide content of Pyrite +/- Chalcopyrite +/- Pyrrhotite
- Assays pending (expected March)



GDRCD007 - 547m, example of a large quartz-calcite vein in altered diorite with semi-massive sulphides pyrite ± Chalcopyrite as well as Chlorite, Actinolite infill.



GDRCD007 - 559m, example of a quartz-calcite vein in altered diorite with pyrite ± chalcopyrite, chlorite "Jigsaw" infill and minor brecciation.

Paterson Central: 2022 Drill Programme

- Phase 1 drilling to recommence as soon as the climactic conditions are tolerable. Expected to be early March. Rigs already secured
- Priority is to follow-up encouraging geology encountered in GDRCD007 and to complete the much-anticipated Hole at Apollo 4 and drill the main gravity anomaly centre beneath the Apollo 2 pad
- Company believes it may have already intersected target gold-copper mineralisation but requires assays to confirm. Assays are expected March 2022
- Assays are listed as pending for Newcrest JV drilling from just 400m away at ZIPA and Havieron North
- Fully permitted to drill throughout 2022 at Atlas, Apollo and the Northern Targets of Juno and Voyager
- Company intends to concurrently undertake heritage and access work for the Southern Enterprise Targets with the aim of drilling these in H2



Company drilling at the Apollo prospect in December 2021.

Greater Carlow Castle Project

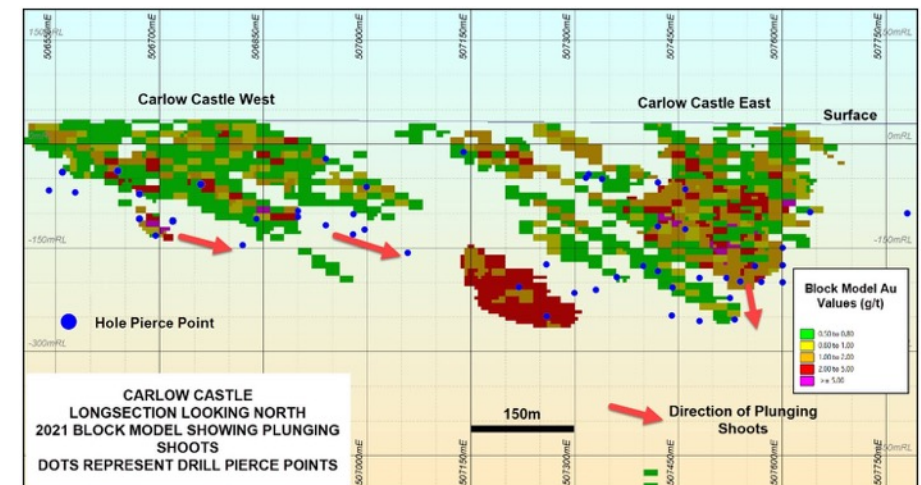


Greater Carlow Castle : Project Overview

- Significant Gold Copper and Cobalt deposit located only ~30km from the major mining city of Karratha and 35km from Radio Hill.
- Drilled over a ~1.2km long E-W corridor with sub-deposits splaying to the North and Northwest
- Mineralization occurs from near surface and has already been followed to a vertical depth of over 525m.
- Enigmatic Gold and Copper deposit with significant cobalt grades also present, sometimes in very high-grade zones.
- Initial metallurgical testwork reveals mineralization is not refractory and amenable to traditional extraction methods.



Company drilling at the Carlow Castle in June 2021



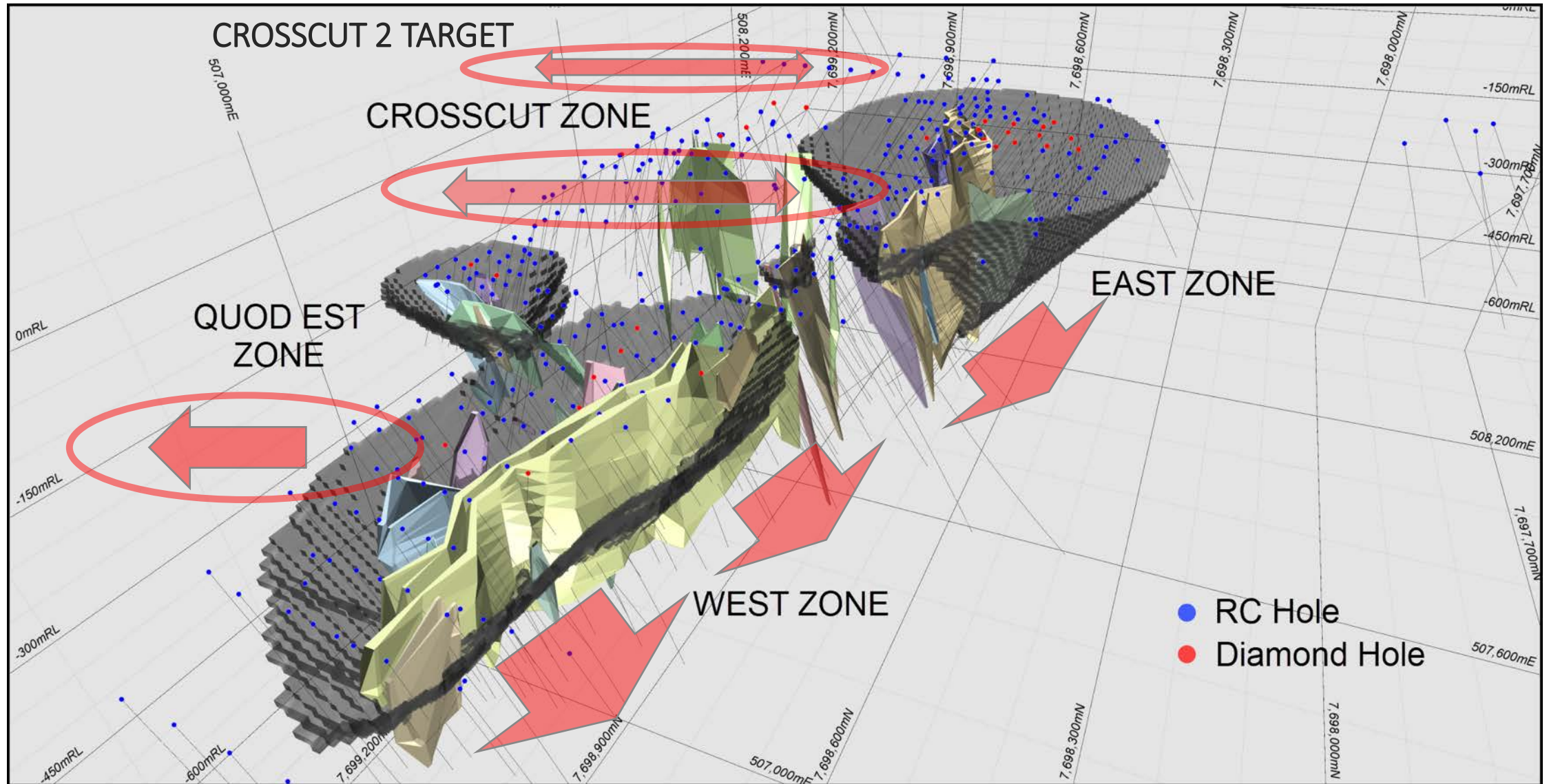
Company generated block model representation of Carlow Castle

2021 Inferred Mineral Resource Statement

Type	Inferred					Total			
	Mt	AuEq (g/t)	Au (g/t)	Cu (%)	Co (%)	AuEq (koz)	Au (koz)	Cu (kt)	Co (kt)
Oxide	4.4	0.9	0.4	0.3	0.04	129	53	13	2
Transitional	3.1	1.6	0.7	0.5	0.06	154	67	15	2
Fresh	6.9	1.7	0.9	0.4	0.06	372	199	26	4
Total	14.3	1.4	0.7	0.4	0.05	655	320	53	8

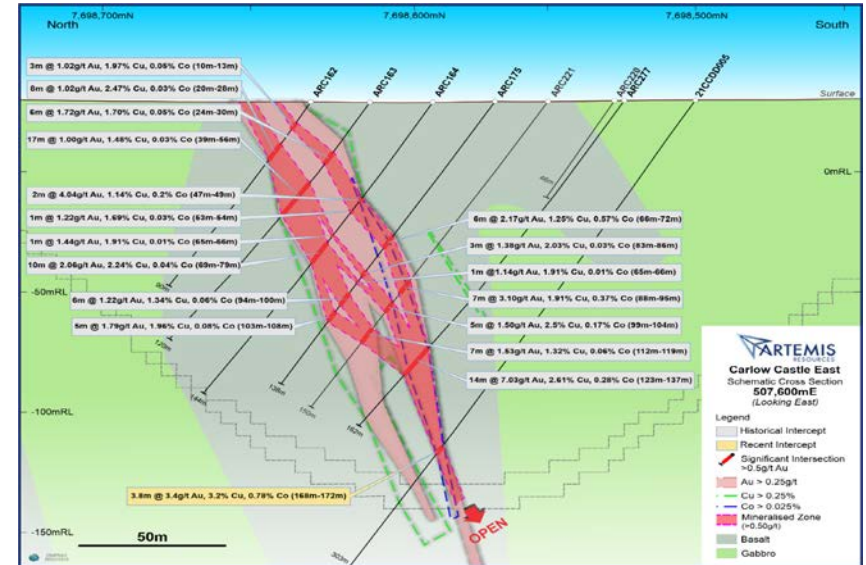
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Carlow Castle: Deposit Schematic and Growth Target Zones

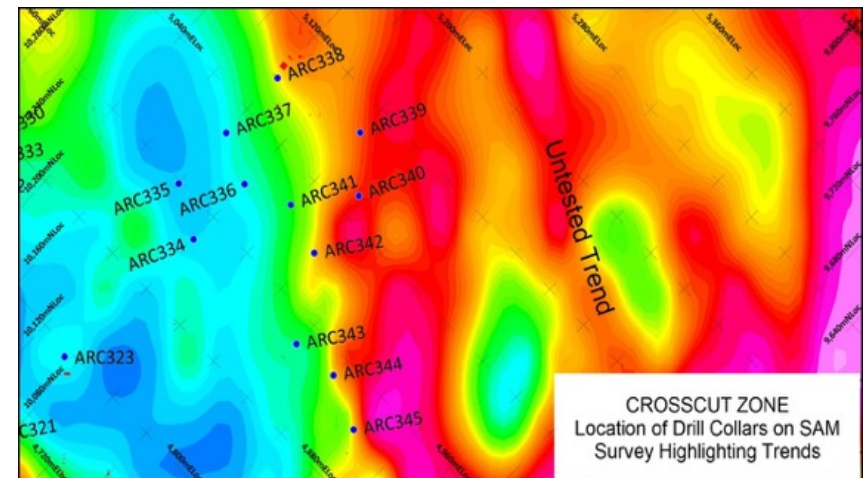


Greater Carlow 2022 An Exciting Year Ahead

- Resource modelling underway of Carlow Castle and new resource statement to scope an open pit and underground mining scenario
- Plan is to grow the resource footprint through extending the limits of known mineralization at;
 - High-grade gold shoots at the Western Zone
 - Discovery of additional High-Grade shoots parallel to West Zone
 - Copper and Gold mineralisation at Crosscut Zone
 - Drill first holes into Crosscut 2 SAM anomaly Zone
 - Extend Higher-grade mineralization at depth in the Eastern Zone known to be open to at least ~530m from surface
 - Follow up on recent Chapman discovery ~1km south of Carlow (LFRC07 - 10m @ 3.40% Cu, 1.75 g/t Au, 24.65g/t Ag)
- Target 1Moz of gold equivalent by end 2022



Company generated cross-section at Carlow East Zone



Company generated magnetic survey with drill collars at Carlow Crosscut Zone

Radio Hill: Strategically Located only ~35km from the City of Karratha



Company pictures of areas of the Radio Hill Plant taken in 2019



Thank You

