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Artemis
Resources
Limited

Investor Presentation

June/July 2020

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Competent Person Statements

Information in this document that relates to Estimation and Reporting of Mineral Resources for the Carlow-Castle deposit is based on information compiled by Dr Matthew Cobb, who is a Member of the Australian Institute of Geoscientists. Dr Cobb is employed as a Principal Geologist and is a full-time employee of CSA Global. Dr Cobb has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as Competent Persons as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Dr Cobb consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this document that relates to Exploration Results is based on information compiled or reviewed by Edward Mead, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Mead is a Director of Artemis Resources Limited and is a consultant to the Company, and is employed by Doralda Pty Ltd. Mr Mead 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 Mead consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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Welcome to Artemis Resources

Artemis Resources Limited (“Artemis”) is a Perth-based exploration and development company, led by an experienced team that has a singular focus on delivering shareholder value from its Pilbara gold projects – the Greater Carlow gold development project in the West Pilbara and the Paterson Central gold-copper exploration project in the East Pilbara.

Artemis shares are traded on the:

Australian Stock Exchange (**ASX:ARV**)

Frankfurt Stock Exchange (**FRA:ATY**)

US OTC (**US:ARTTF**)



Artemis Resources Ltd

ASX:ARV

FRA:ATY

QTCQB: ARTTF

Shares On Issue @ 28/5/2020	c.1034M ¹
Share Price A\$ @ 28/5/2020	0.029
Market Cap A\$ @ 28/5/2020	~A\$30M
Cash + Liquid Investments	~A\$7.5m
Top 20 shareholders	~55%
Directors + Senior Management	~8% (via options)
Share Distribution	Australia 83.95% Europe 4.81% ROW 11.24%

1. c.158M options @ various strike details

Board of Directors and Key Management

Non-executive Chairman: Mark Potter

- Financier/Engineer
- Director and Chief Investment Officer of AIM-listed mining investment company Metal Tiger PLC
- Non-executive Director of AIM-listed mining royalty investment company Trident Resources PLC
- Previously Director and Chief Investment Officer of royalty and streaming company Anglo Pacific Group PLC and Investment Director of activist hedge fund Audley Capital

Executive Director: Alastair Clayton

- Financier/Geologist with 25 years' experience in mining investment, corporate and hedge funds
- Sold ASX100 Extract Resources/Kalahari Minerals PLC for A\$2.2B
- Co-founder of dividend payer Universal Coal PLC
- Executive Director of Primorus Investments PLC

Executive Director/COO: 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
- Has been driving Artemis' strategy to consolidate West Pilbara land package

CFO/Company Secretary: Guy Robertson

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

Non-executive Director: Dan Smith

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

Exploration Geologist: Allan Younger

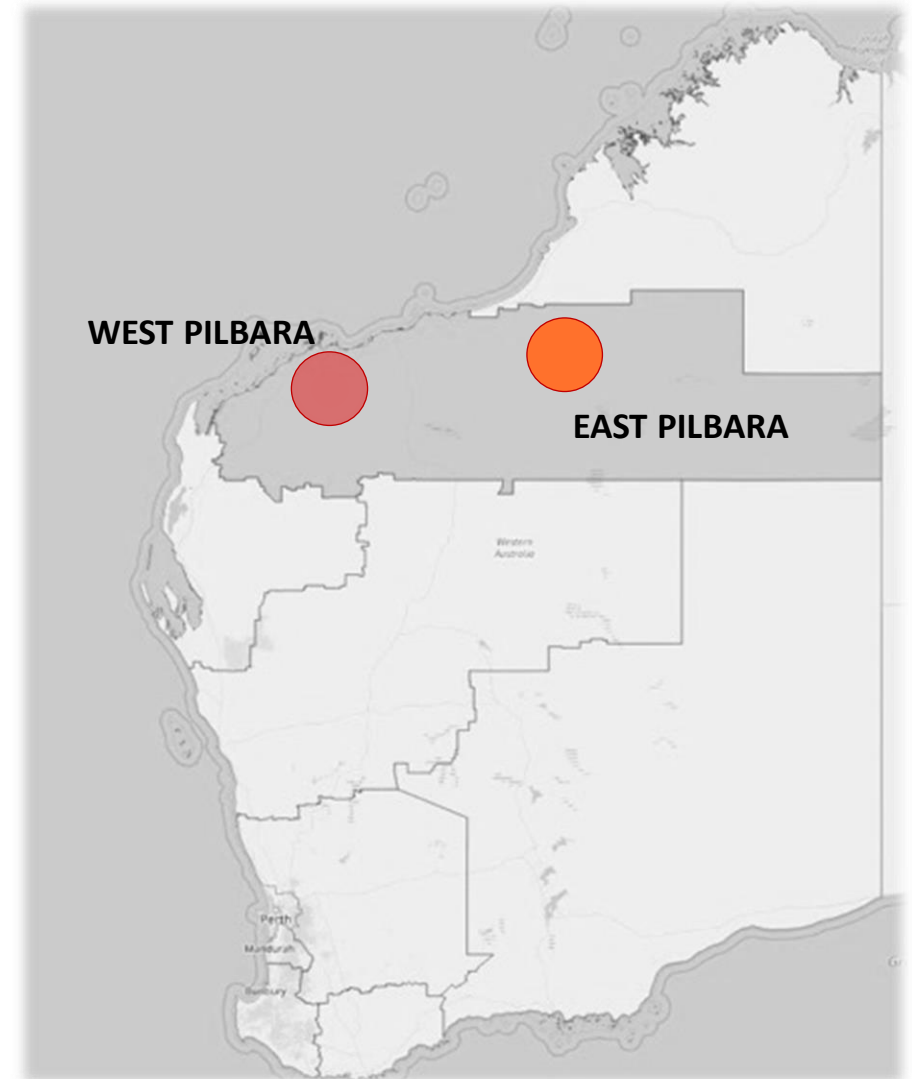
- Exploration and resource geologist with 40 years' experience
- Specialities in multi-element geochemistry application and Interpretation

West Pilbara – Greater Carlow Gold Project

- Near-term gold mine development project with significant resource upside.
- Strategic and highly prospective 1,059km² tenement package ~30km south of Karratha.
- Mineral Resource of ~418,000oz Au + Cu¹ at Carlow Castle – mineralisation open along strike and depth and subject to “Project One Million” drill campaign.
- Carlow West stand-out of several nearby high-priority resource growth targets.
- Resource update in H2 2020.
- 100%-owned Radio Hill processing plant (on care & maintenance) to fast-track development options.

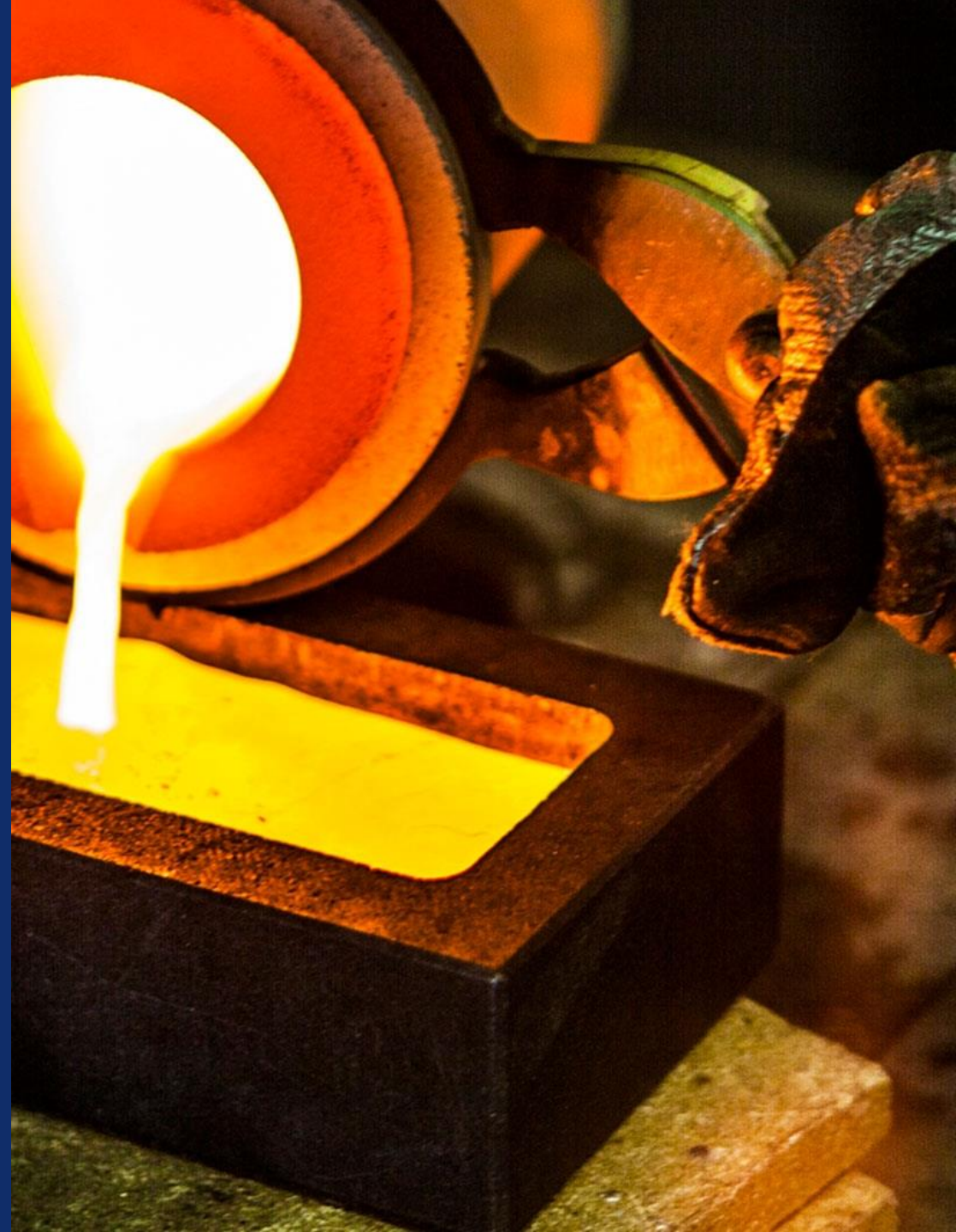
East Pilbara – Paterson Central

- Exceptional exploration opportunity in one of world’s most exciting new gold-copper exploration frontiers.
- 100%-held 600km² exploration licence covering the Paterson Central prospect.
- Geochem program underway to define targets for drill campaign targeted for July.
- Paterson Central adjacent to and surrounded by the world-class Havieron Au-Cu discovery made by Greatland Gold (LON: GGP) and now being advanced by Newcrest Mining (ASX: NCM).



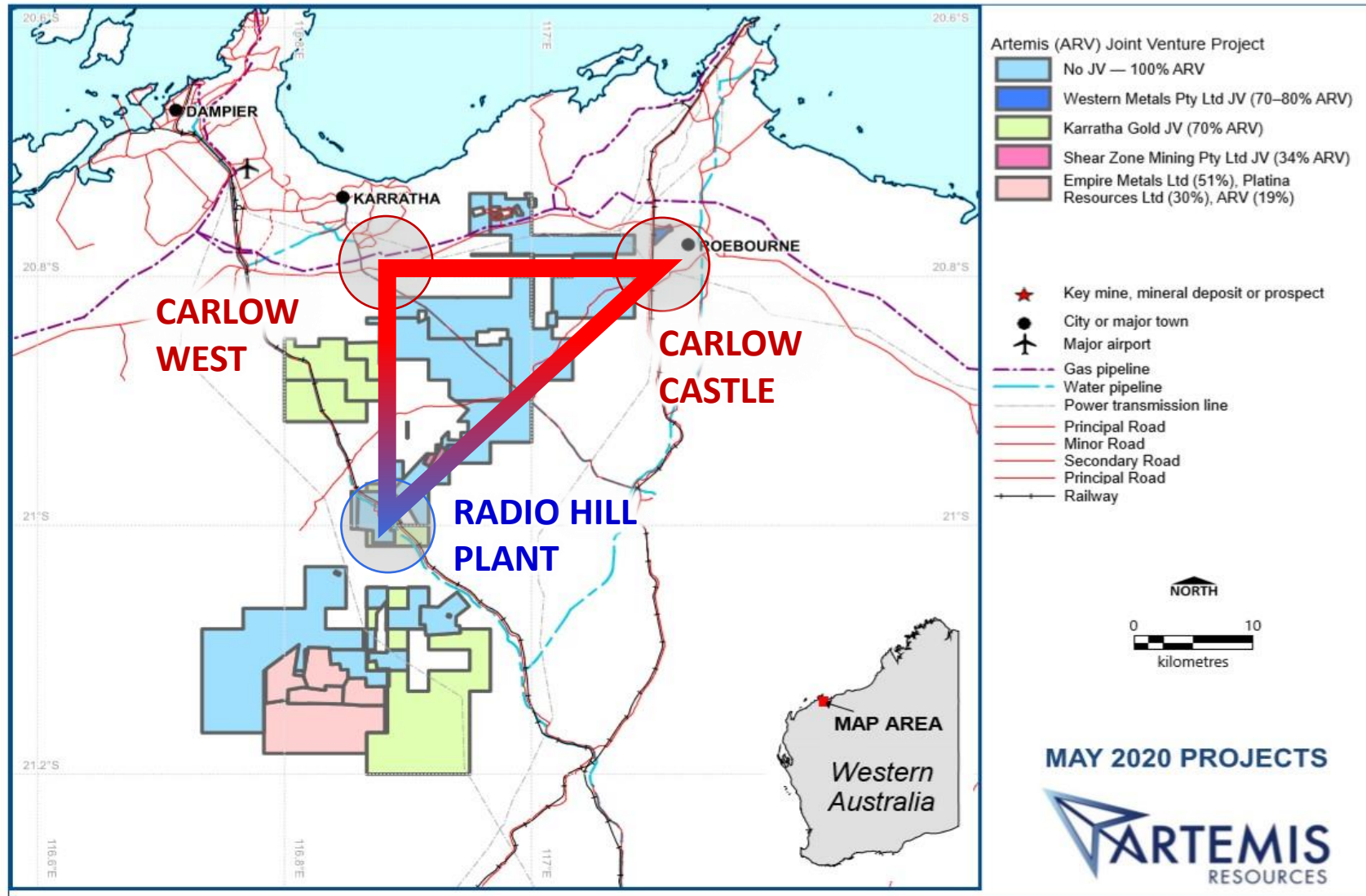
WEST PILBARA

Greater Carlow Gold Project



Greater Carlow Gold Project – A Golden Triangle of Opportunity

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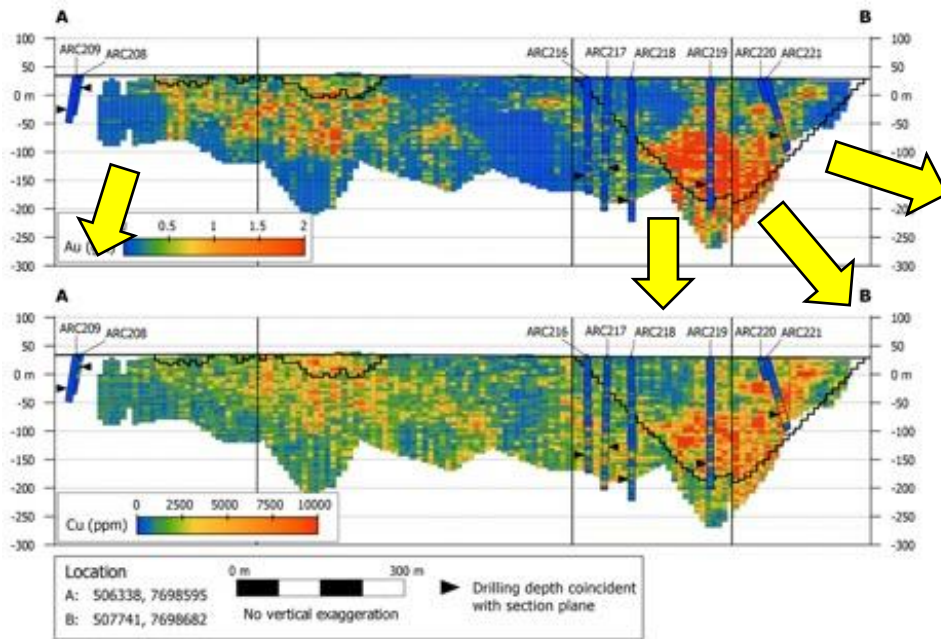


MAY 2020 PROJECTS

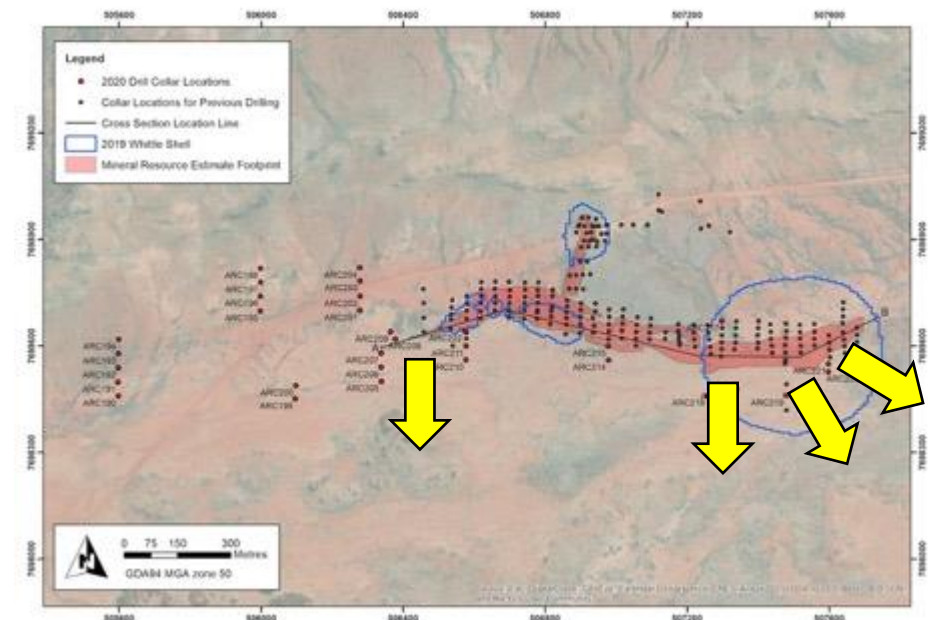
Greater Carlow Gold Project – Carlow Castle Deposit

- 418,000oz Au (8Mt @ 1.6g/t Au, 0.6% Cu, 0.08% Co)¹ ... and growing.
- Recent drilling confirms resource open at depth and along strike to the SE.
- Resource update in H2 2020 following completion of next round of extensional drilling.
- Surrounding tenement holding virtually un-tested – near-resource aircore drilling to commence soon.
- ~30km trucking distance by road from 100%-owned Radio Hill processing plant.

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Long Section



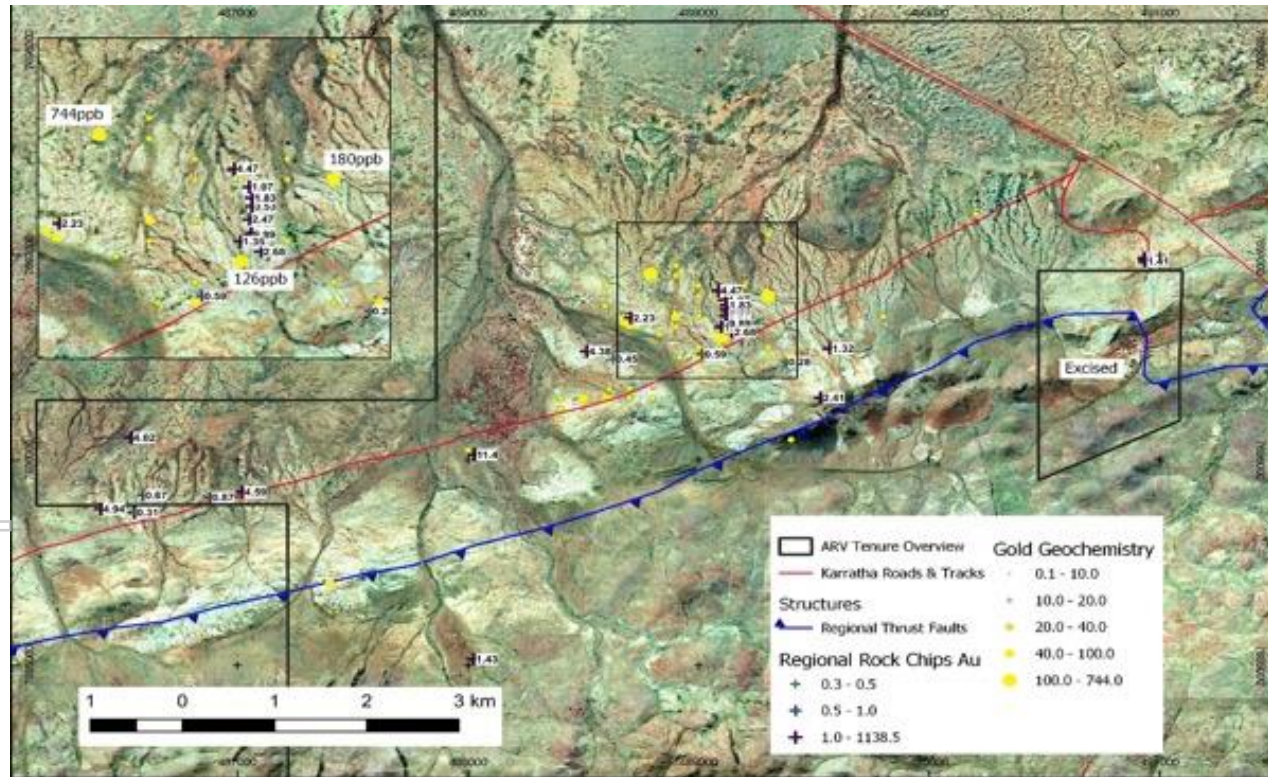
Plan View

1. ASX Announcement 20 November 2019

Greater Carlow Gold Project – Carlow Castle and Carlow West Exploration

- 25km of undrilled prime “Regional Thrust” geology between Carlow Castle Deposit and Carlow West Prospect.
- Carlow West to be drill-tested next to follow up successful geochem and rock chip campaigns.
- A further 16 SAM (Sub Audio Magnetic) targets to be tested between Carlow Castle and Carlow West.
- Carlow West is only 17km trucking distance by road from the 100%-owned Radio Hill Plant.

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Greater Carlow Gold Project – Radio Hill Plant, a 100%-owned Strategic Asset

- Underwent multi-million dollar refurbishment in 2017/18, with ~500ktpa capacity.
- New gravity separation plant installed and new floatation cells acquired.
- Final processing design to be based on updated and increased resources and metallurgical test work.

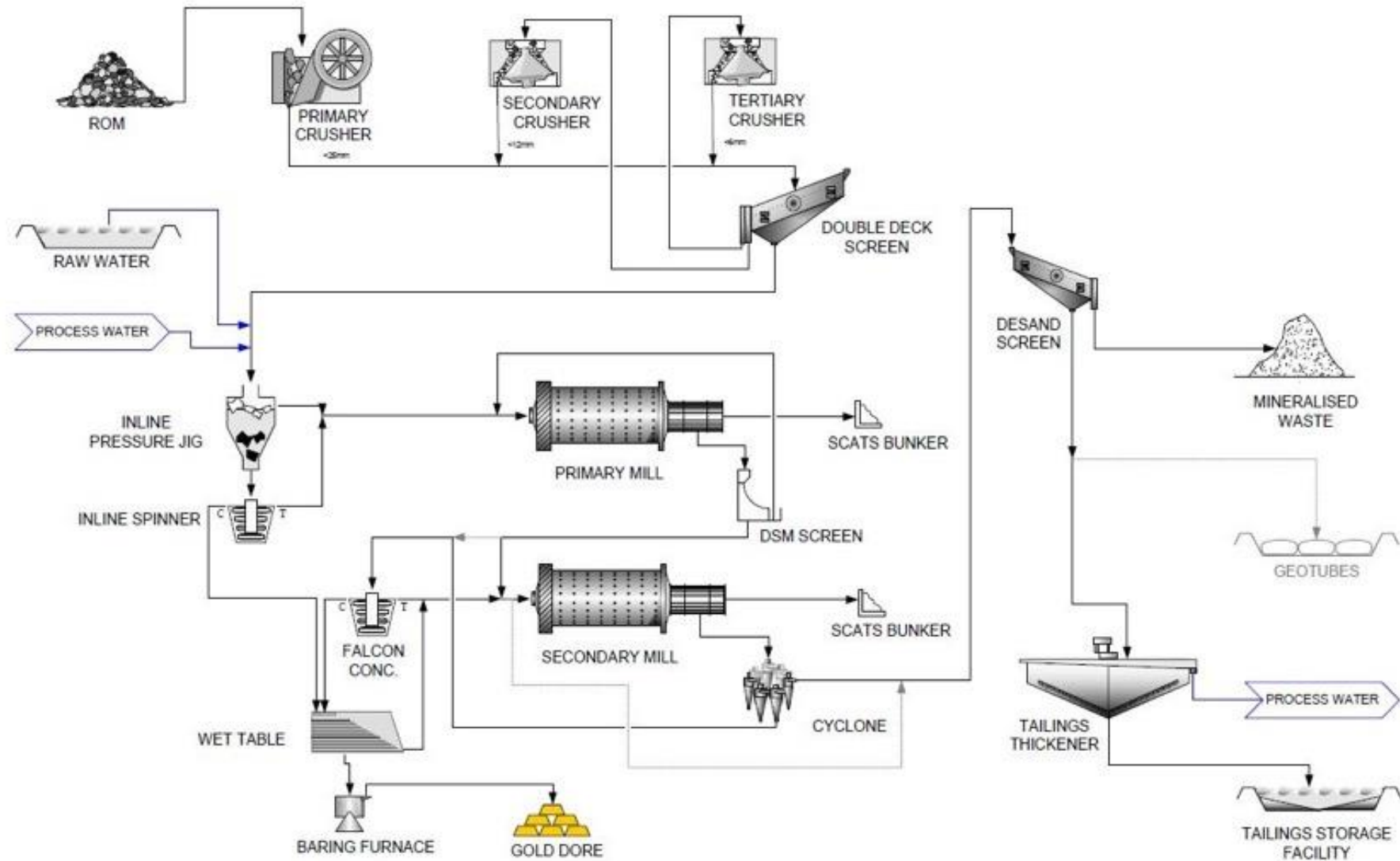


- Production permits in place
- Tailings permits in place
- Refurbished mills
- New gold room
- New gold circuit
- New tertiary crusher

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Greater Carlow Gold Project – Radio Hill Plant Approved Flowsheet

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- Systematic yet aggressive drilling strategy as part of Project One Million, targeting additional resources at Carlow Castle and new discoveries at Carlow West – imminent launch of 5,000m aircore drilling followed by diamond/RC programs.
- Plan is to build calculated resource ounces capable of feeding the Radio Hill Plant to beyond 1Moz throughout 2020.
- Once new resources calculated in Q4 2020 a feasibility study for Greater Carlow will then commence.
- Discussions with stakeholders including regulators well advanced to continue Artemis' fast-tracked approach for Greater Carlow.
- Artemis is working hard to build the ounces to deliver a >1Moz gold project utilising its existing then optimised plant in the West Pilbara.



EAST PILBARA

Paterson Central

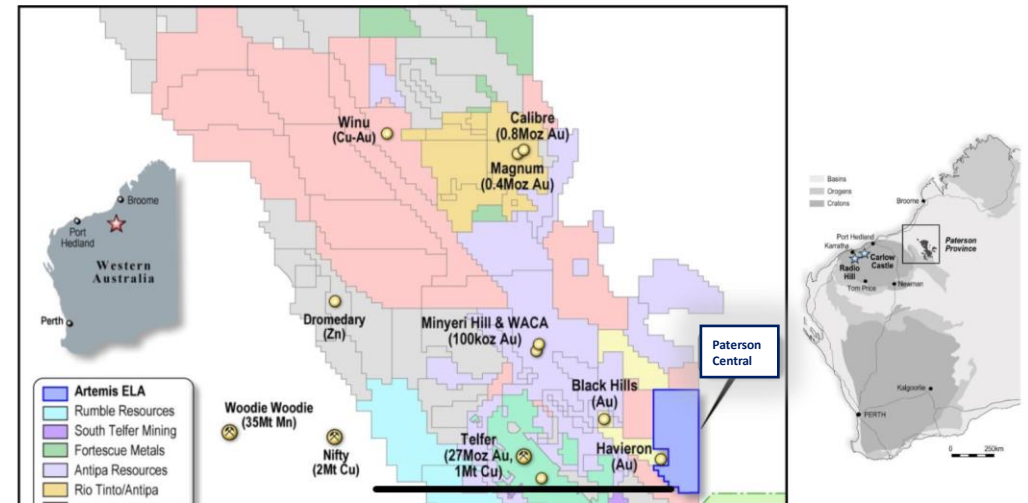


Paterson Central – Ideally Located in new Tier 1 Exploration Frontier

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- The Paterson Province, on the edge of the Great Sandy Desert, stretches from the East Pilbara to the southern Kimberley.
- This largely unexplored, remote area has become one of the world’s most sought-after exploration provinces following stunning success by Rio Tinto (ASX/LON: RIO) and Greatland Gold (LON: GGP).
- Artemis is the only junior mining company in the Haveron area that retains a 100% interest in its tenure. All other ground is held or subject to JV by Newcrest or Rio Tinto.

Paterson Province



2018

Greatland Gold makes stunning Au/Cu discovery called **Haveron**, 45km east of Newcrest Mining’s Telfer mine in southern part of Paterson Province.

2018

Artemis secures exploration licence ELA45/5276, covering 600km² and surrounding **Haveron** on three sides.

2018

Rio Tinto makes **Winu** copper-gold discovery in the northern Paterson Province.

2019

Rio has 11 rigs drilling at **Winu**; delivers intercepts including 155m @ 0.41% Cu, 0.38g/t Au and 2.39g/t Ag (WINU0037).

2019

Newcrest signs \$US65m farm-in with Greatland to earn 70% of **Haveron**.

2020

Rio expected to release first resource for **Winu**; wants to be mining by 2023.

Newcrest targeting **Haveron** first resource, mine concept study.

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THE AUSTRALIAN

HOME / BUSINESS / MINING ENERGY

'Spectacular' gold drill result dials up WA's Paterson Range buzz

Resources
Rising Stars

Opportunities and insights for resources investors

Newcrest pounces on Greatland's Paterson Range gold find

15th March 2019

Newcrest Mining has pounced on one of the most exciting mineral discoveries in Australia in recent years, striking a deal that will see it pump \$US65 million (\$92m) into the Haveron copper-gold project in Western Australia's Paterson.

The Sydney Morning Herald

'Very interesting': Rio pledges copper mine call by Christmas

By Hamish Hastie
July 15, 2019 - 12:00am

If Rio Tinto pulls the trigger on its Wino copper project in Western Australia's Pilbara region it could start producing before other prospective mines such as Resolution in the USA, the company's copper chief has revealed.

A key part of the Paterson Range liesaw

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The only significant operation in the region is Newcrest Mining’s (ASX: NCM) huge Telfer Mine, which has produced more than 12Moz of gold and copper since 1975.

Newcrest currently produces circa 425,000oz p.a. + 16Kt Cu at Telfer but reserves are dwindling ... additional feed for Telfer’s 22-24Mtpa mill is badly needed.

2018

Greatland Gold (LON: GGP) announces maiden hole at **Havieron**:

- First hole – HAD005 – delivered total mineralisation of 275m @ 4.77g/t Au and 0.6% Cu from 459m; and
- Second hole – HAD006 – intersected 367m @ 1.15g/t Au and 0.44% Cu.

2019

Newcrest signs US\$65m, 70% **Havieron farm-in** with Greatland and quickly has up to nine drill rigs operating at Havieron 24/7.

2020

Greatland market cap ~ A\$700M with 60% (going to 30% post farm-in) ownership of Havieron

Newcrest **stake** in Havieron up to 40% as part of farm-in deal.

Havieron **maiden resource**, completion of **mine concept study** due H2 2020.

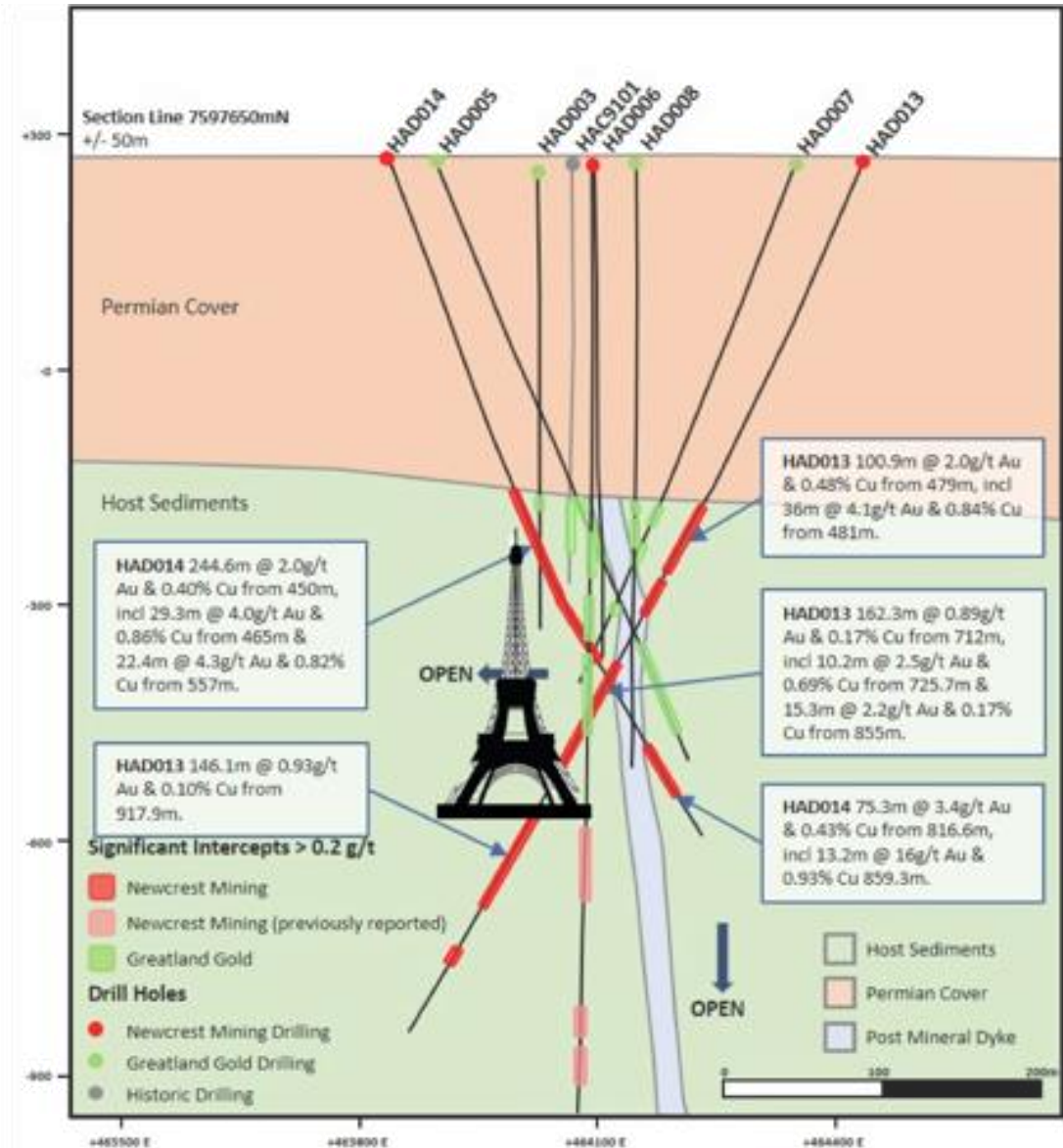
Newcrest signs A\$60m, 75% farm-in deal with Antipa Minerals (ASX: AZY) over **Wilki Project**, between Telfer and Havieron.

Drilling at Havieron. Source: Newcrest

Paterson Central – Next to the Potential World-class Havieron Gold-Copper Deposit

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- Havieron has potential to be a global Tier 1 Au/Cu discovery, meaning a resource of more than 20Moz of Au + Cu.
- Hidden under 400m of cover, Greatland discovered Havieron in 2018 with stunning intercept of 275m @ 4.77g/t Au + 0.61% Cu (drill hole HAD005).
- The grades and widths at Havieron suggest the depth of cover is of little concern.
- Modern block caving methods such as those used at Newcrest’s Cadia mine (New South Wales, Australia) render some bulk underground mines more efficient (AISC US\$156/Oz) and lower-cost than open-pit operations.
- Newcrest has moved to 40% of Havieron with a clear path to 75% and stated ambition to process Havieron ore through the enormous 24Mpta plant at Telfer.
- Artemis secured the Paterson Central Project just months before HAD005 was drilled.



“

The results to date have been very positive ... Havieron provides a great opportunity to improve the economics and extend the operating life of Telfer.



Sandeep Biswas
Newcrest CEO
April 2020



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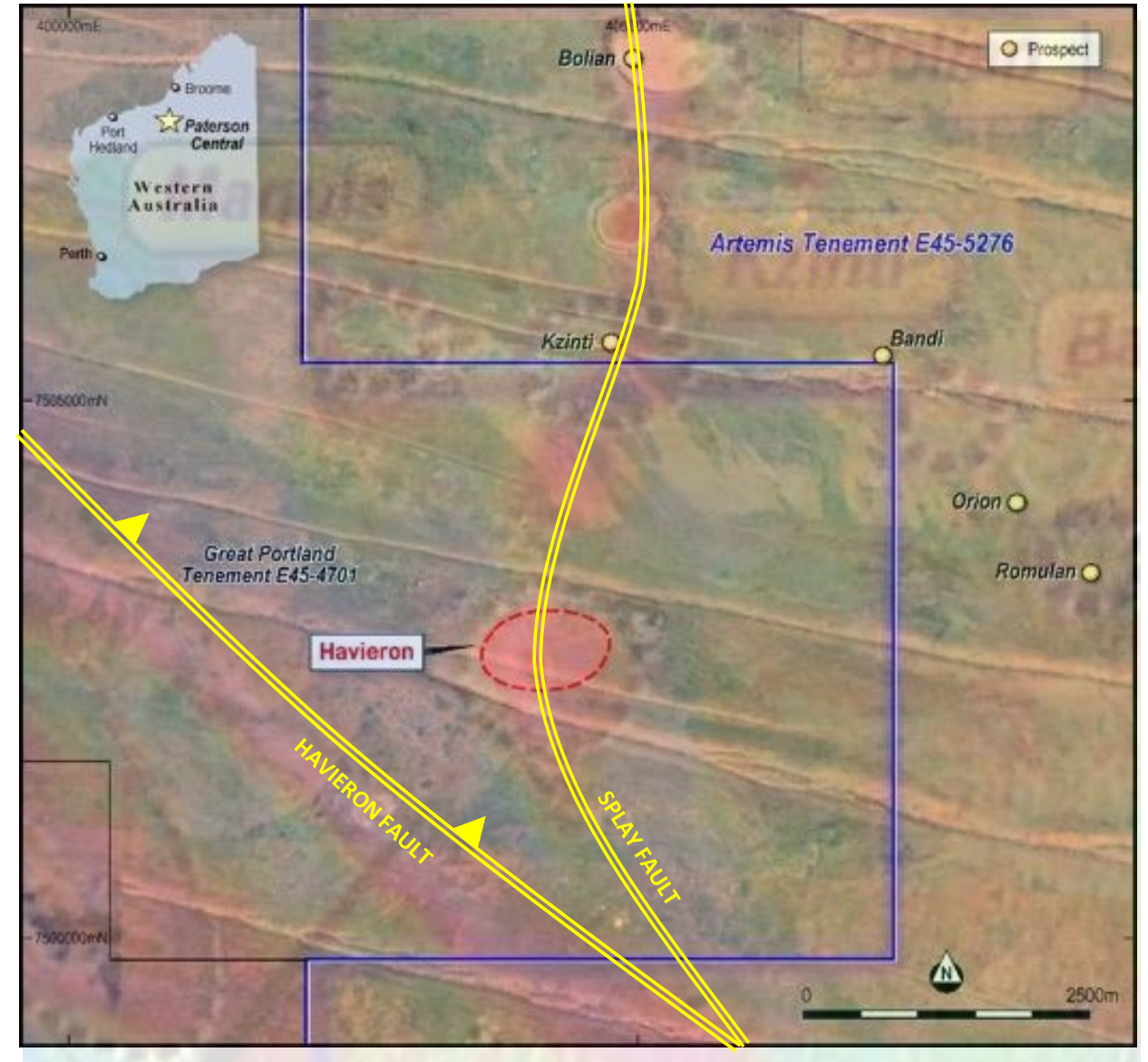


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**Havieron
Newcrest-Greatland Gold**

Paterson Central – Adding Value

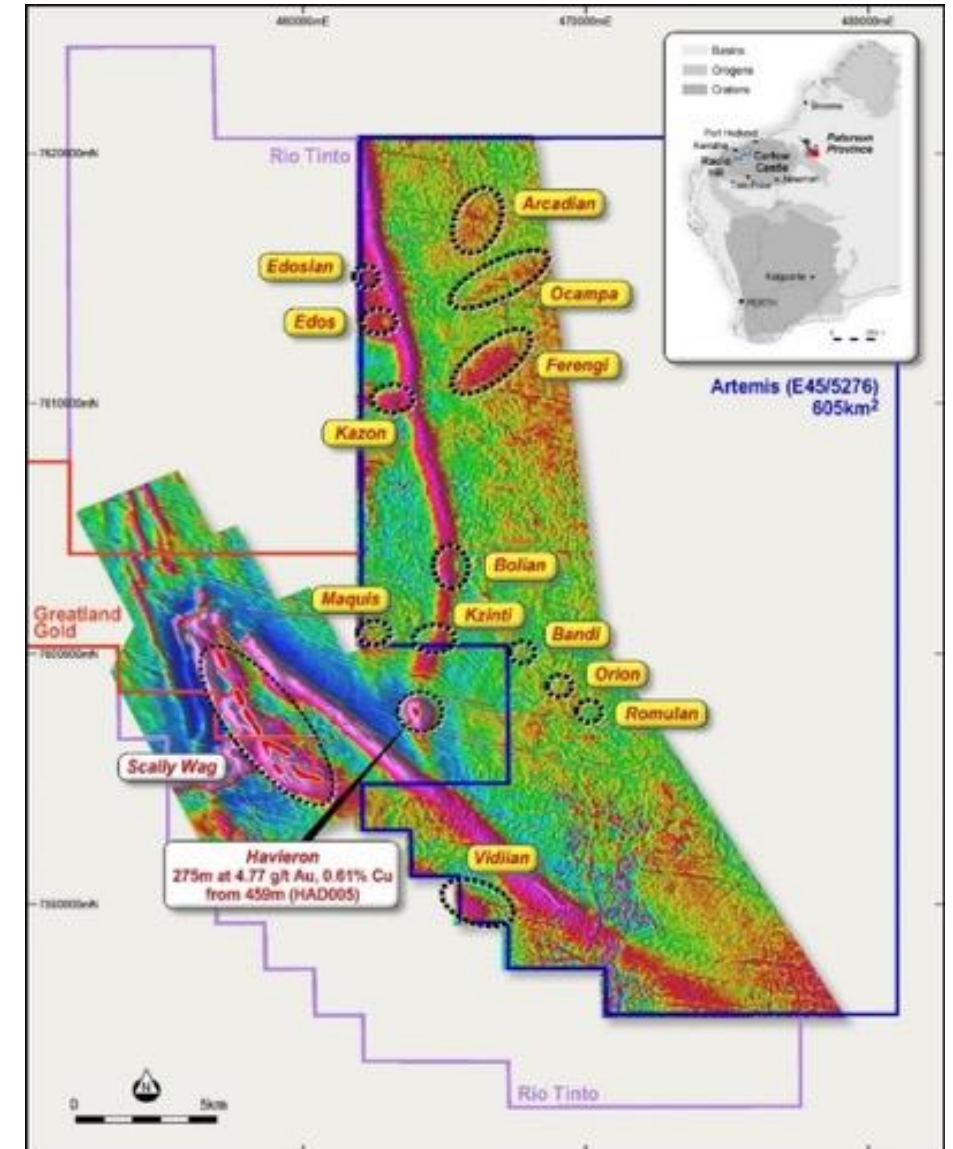
- Artemis has a unique 100% exposure to one of the world's most exciting exploration destinations.
- Only stock market-listed explorer apart from Antipa Minerals (ASX: AZY; Paterson project farmed out to Newcrest) and Greatland Gold (LON: GGP; Paterson project farmed out to Newcrest) to offer exposure to this highly prospective regional geological setting.
- Artemis' technical team believes Havieron is possibly controlled by a regional fault and splay corridor that continues into the Paterson Central prospect on tenement E45/5276.
- Paterson Central surrounds Havieron on three sides and is very close to current Havieron drilling activities.
- Newcrest-led drilling at Havieron is 1500m from Artemis tenement boundary.



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Paterson Central – Structural controls and geology cross

- Artemis secured ELA45/5276 in 2018 – prospect since renamed Paterson Central.
- First pass airborne geophysics flown in 2019 identified multiple anomalies.
- Fortuitously, much of the basin margin and apparent regional fault and splay setting that host Havieron also occur at Paterson Central.
- Systematic exploration of 13 targets across Paterson Central underway with clear strategy to discover Havieron-type deposits.
- Geochem work launched May 2020 to refine and rank Au/Cu targets for maiden drill campaign.
- Drilling rig being contracted now for program to commence in July 2020.
- Steady newsflow from Paterson Central expected for remainder of 2020.



Two extraordinary gold growth opportunities in Western Australia

- ✓ Greater Carlow Gold Project in West Pilbara
 - Mineral resource of ~418,000oz Au + Cu¹ and significant upside potential
 - 100%-owned Radio Hill processing plant to fast-track development options
 - Significant newsflow for rest of 2020
- ✓ Paterson Central Project in East Pilbara
 - Highly prospective 600km² landholding next to world-class Havieron Au + Cu discovery and 45km east of Newcrest's Telfer mine
 - Geochem work underway to refine and rank drill targets
 - Drilling to commence ~July
 - Significant newsflow for rest of 2020
 - Rare stock market-listed exposure to Paterson Province exploration upside

Quality leadership

- ✓ Proven track record in delivery of shareholder value
- ✓ Technical excellence

Strong balance sheet

- ✓ A\$7.5m in cash and liquid investments.
- ✓ Continuing divestment/monetisation of non-core assets

June

~ 5,000m drill programme Carlow West

MMI GeoChem Paterson Central

Results MMI GeoChem Paterson Central

Announce Final Drill Programme design Paterson Central

July

Results drill programme Carlow West

~ 5,000m drill programme Carlow Central

First ever Drill Programme Paterson Central (~4000m)

Planned programmes only. Indicative timeframes and final details subject to external factors and results of previous works.

1. ASX Announcement 20 November 2019

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Artemis Resources

A well-funded and strategically placed West Australian gold exploration company

For further information about Artemis Resources, please contact:

Non-executive Chairman

Mark Potter

mark.potter@artemisresources.com.au

Executive Director

Alastair Clayton

alastair.clayton@artemisresources.com.au

Visit artemisresources.com.au