

Artemis Resources Limited

ASX : ARV

U.S. OTCQB : ARTTF

Frankfurt : ATY

Gold, Copper and Cobalt in the Pilbara

Investor Deck - January 2019

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ASX announcements referred to in Presentation

- 25th June 2018 “Artemis and Novo JV Commits to \$5.4 million JV Budget”
- 30th April 2018 “High Grade Nickel at Radio Hill”
- 11th April 2018 “High Grade Cobalt, Copper & Zinc Drilled at Whundo”
- 24th April 2017 “6,54% Cobalt in Drilling Results – Carlow Castle Project”
- 28th April 2017 “Acquisition Completed and Institutional Placement”
- 25th July 2018 “2.32% Cobalt in Shallow Drilling at Carlow Castle”
- 6th August 2018 “Exceptional Au, Co and Cu Intercepts Persist at Carlow Castle”
- 12th September 2018 “New High Grade Cobalt Zone at Carlow Castle”
- 29 October 2018 “Multiple New Cobalt Targets Defined in West Pilbara”
- 5 November 2018 “Three New Gold Discoveries”
- 19 December 2018 “Weerianna Gold Project Resource Update”
- 17 January 2019 “* Targets Identified Near Havieron Discovery – Paterson Ranges”

In accordance with Listing Rule 5.23.2, Artemis confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement referred to above, and that in the case of mineral resources that all material assumptions and technical parameters underpinning the estimates in the announcement referred to continue to apply and have not materially changed.

Artemis – Our Value Proposition



Who is Artemis?

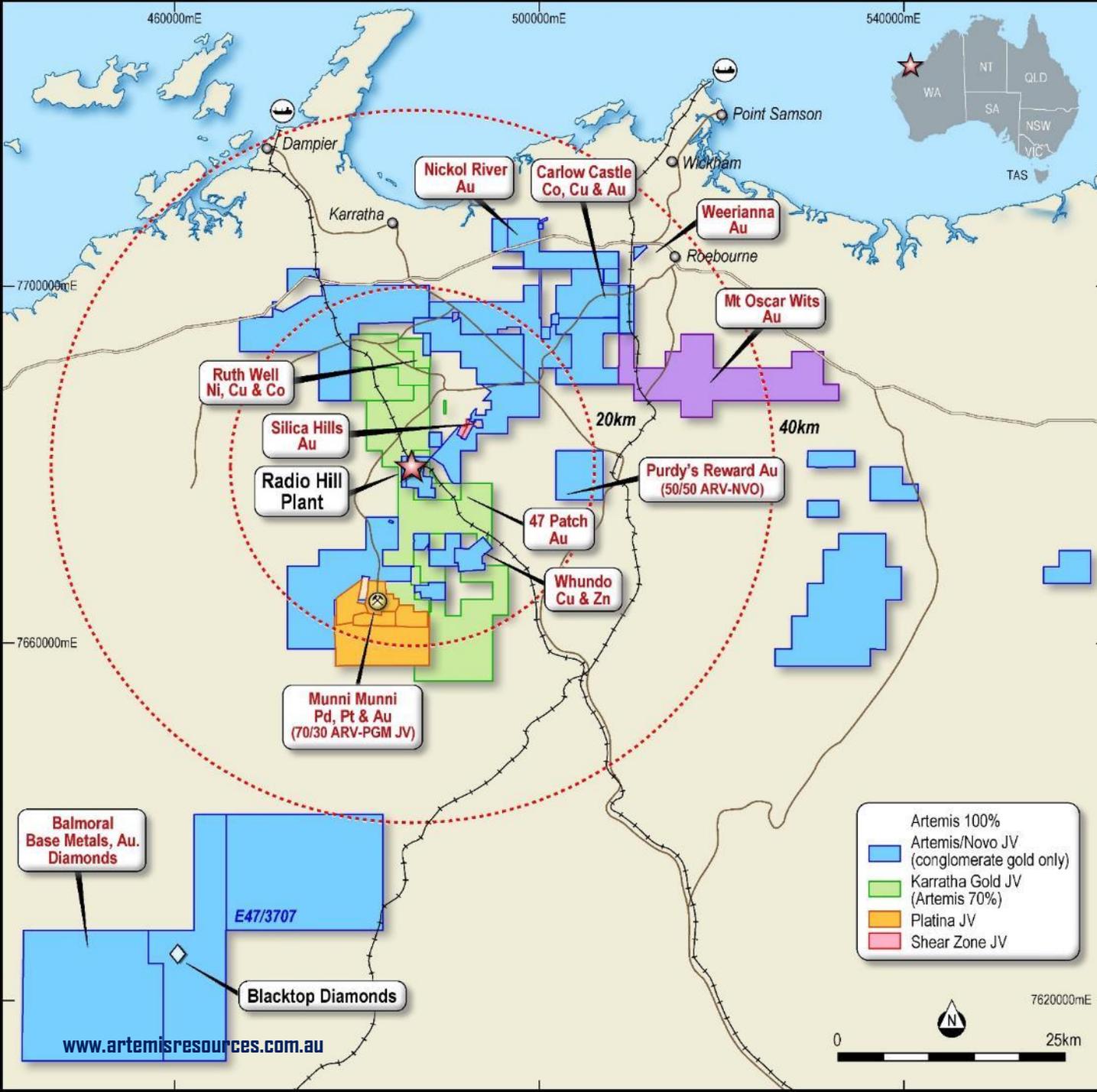
- Artemis Resources Limited (Artemis – ASX: ARV / OTCQB: ARTTF / Frankfurt: ATY) is the first West Pilbara company to consolidate a significant portfolio of base, battery and precious metal assets with a strategically located processing plant.

Our Strategy?

- Be nimble corporately, explore aggressively and systematically advance our mineral resources to support the transformation of our 100% owned Radio Hill Operation into a long term producer of gold, base and battery metal concentrates.

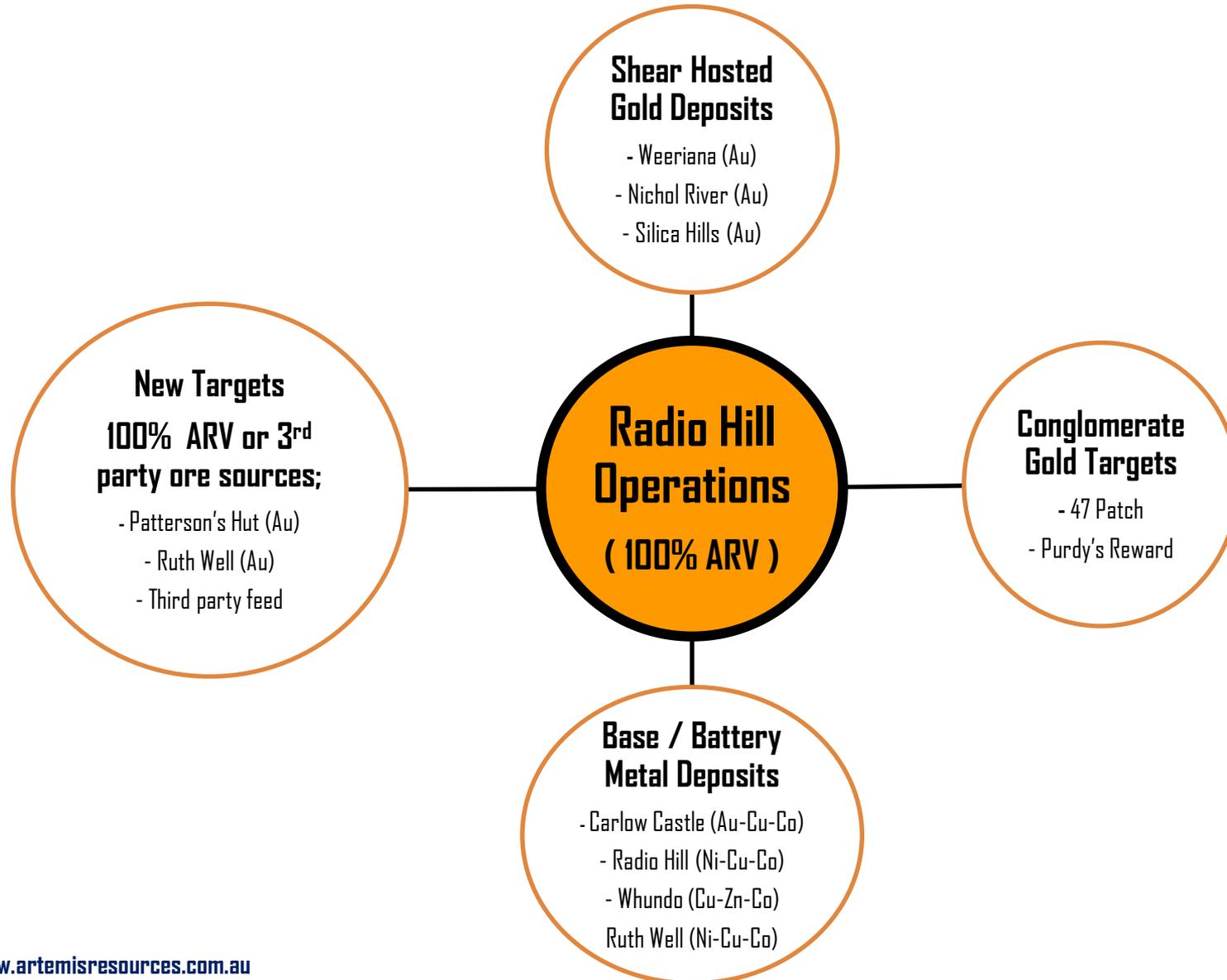
The resources to deliver the strategy:

- ≈2,400km² of prospective Pilbara gold and base/battery metal tenure including a strategic landholding (≈600km²) in the Paterson Province adjoining Greatland Gold's (AIM:GGP) Haverion Project.
- Growing JORC compliant gold and base metal resources including Carlow Castle, the best scalable Au-Cu-Co deposit in Australia.
- 100% owned Radio Hill processing plant and infrastructure – a 0.5Mtpa gold and base metal concentrator 30km from the city of Karratha.
- A de-risked gold strategy - via 50:50 JV with Novo Resources Corp (NVO) on conglomerate and paleoplacer targets.
- A strong news pipeline ahead.



**2,400 km² of
the Pilbara's
best Au, base
and battery
tenure**

Hub and Spoke Strategy – ARV owns 100% of the Hub



ARV Corporate Snapshot



ARTEMIS RESOURCES LIMITED	
ASX ticker	ARV
Frankfurt ticker	ATY
US Ticker – OTCQB	ARTTF
Shares on Issue @ 31/12/18	648M
Share Price @ 14/1/19	12.0 c
Market Cap A\$ @ 14/1/19	\$78M
30 day avg daily volume	0.6M
90 day avg daily volume	0.8M
52 week Low-High	10c – 25c

BOARD AND MANAGEMENT	
David Lenigas	Executive Chairman
Ed Mead	Executive Director
Alex Duncan-Kemp	Executive Director
Sheikh Maktoum Hasher al Maktoum	Non Exec Director
Wayne Bramwell	CEO
Guy Robertson	Company Secretary and CFO

SIGNIFICANT SHAREHOLDERS	SHAREHOLDING @ 31/12
Exchange Minerals FZE	8.0%
Veni Vidi Vici Limited	5.7%
David Lenigas	3.9%

Artemis - Share Price & Volume to Dec 18, 2018



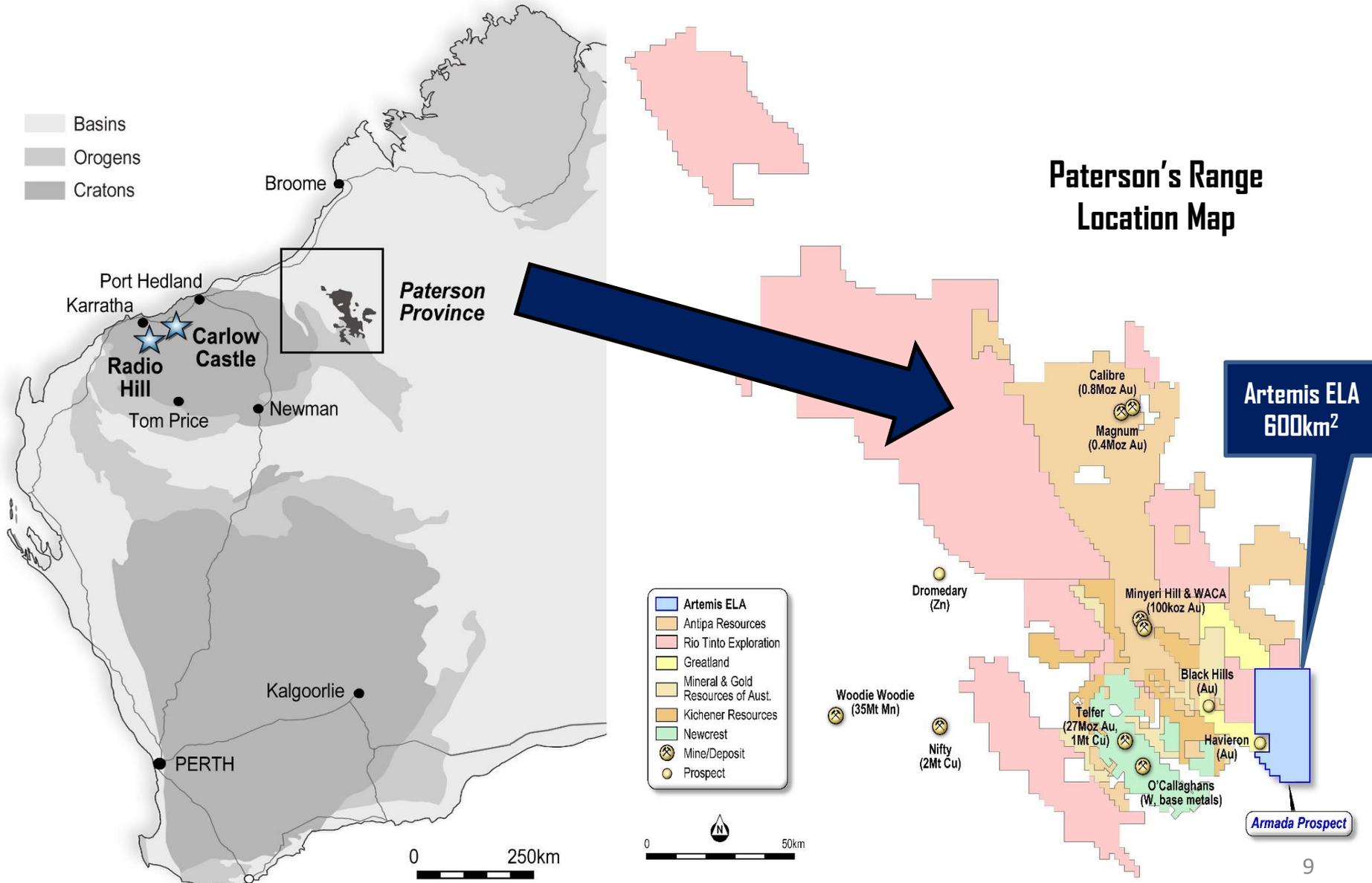
Carlow Au-Cu-Co beginning to drive ARV Valuation ?



1.0

**The Hottest Exploration Ground
in Australia
- the Paterson Ranges**

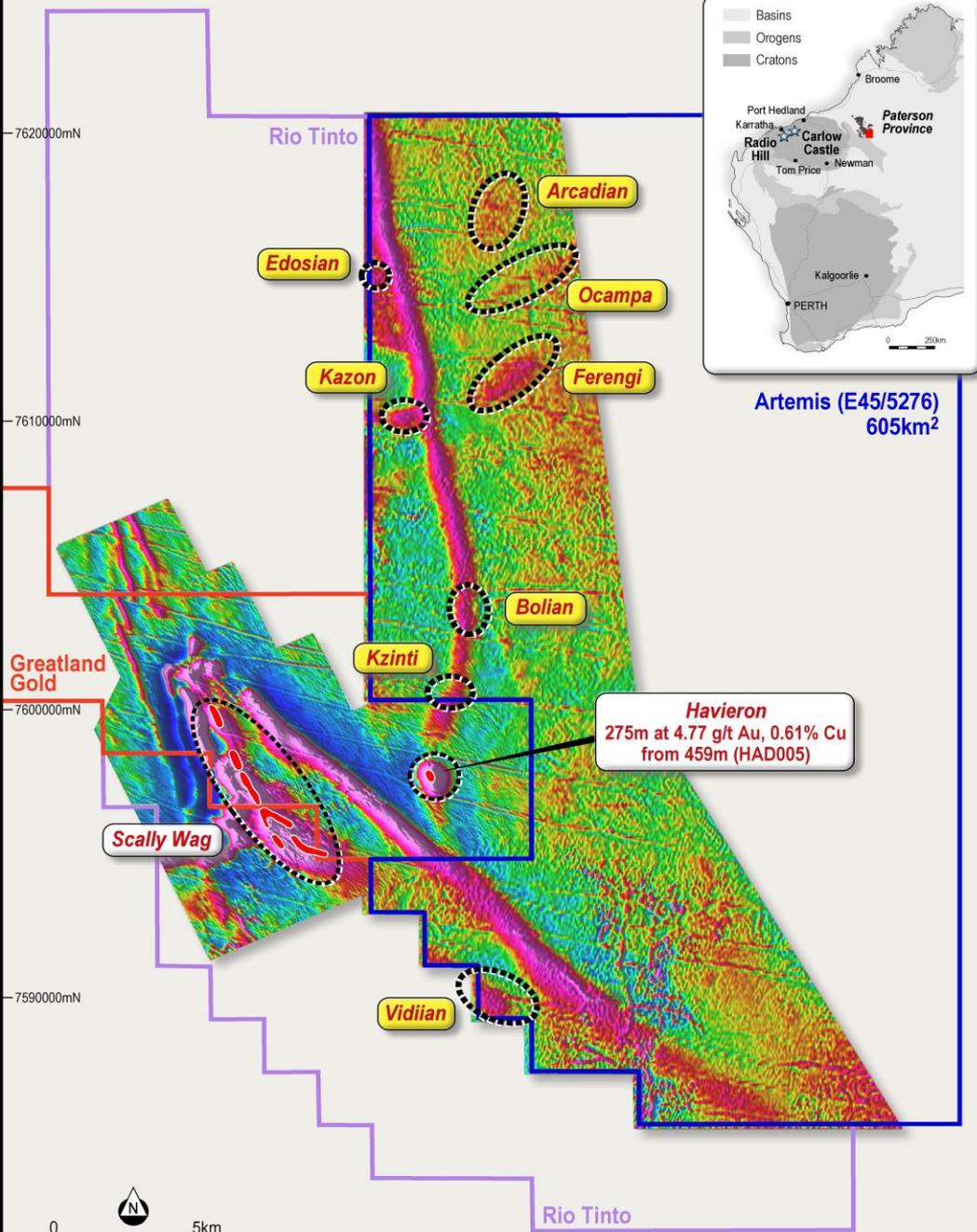
600km² in the Paterson Range - with Rio, FMG, Newcrest...



460000mE

470000mE

480000mE



Armada ELA (100% ARV)

- 600km² exploration licence application
- Surrounding Greatland Golds (AIM:GGP) Haverion Project to north, south and east
- Initial MAG survey flown – data pending
- Gravity survey pending
- Target vectoring to follow

Highlights of HAD005 Drill Results* :

Total combined intercept of **275m at 4.77g/t gold and 0.61% copper** returned from:

A upper zone of **118m at 3.08g/t gold and 0.84% copper from 459m to 577m, including:**

- 11.5m at 6.23g/t gold and 2.49% copper from 462.5m; and
- 7.5m at 32.83g/t gold and 1.20% copper from 482m.

A lower zone of **157m at 6.04g/t gold and 0.44% copper from 660m to 817m, including:**

- 113m at 8.30g/t gold and 0.61% copper from 663m;
- 5.5m at 16.62g/t gold and 0.91% copper from 663m; and
- 38m at 20.17g/t gold and 0.82% copper from 700m.

*ASX release 19 January 2019



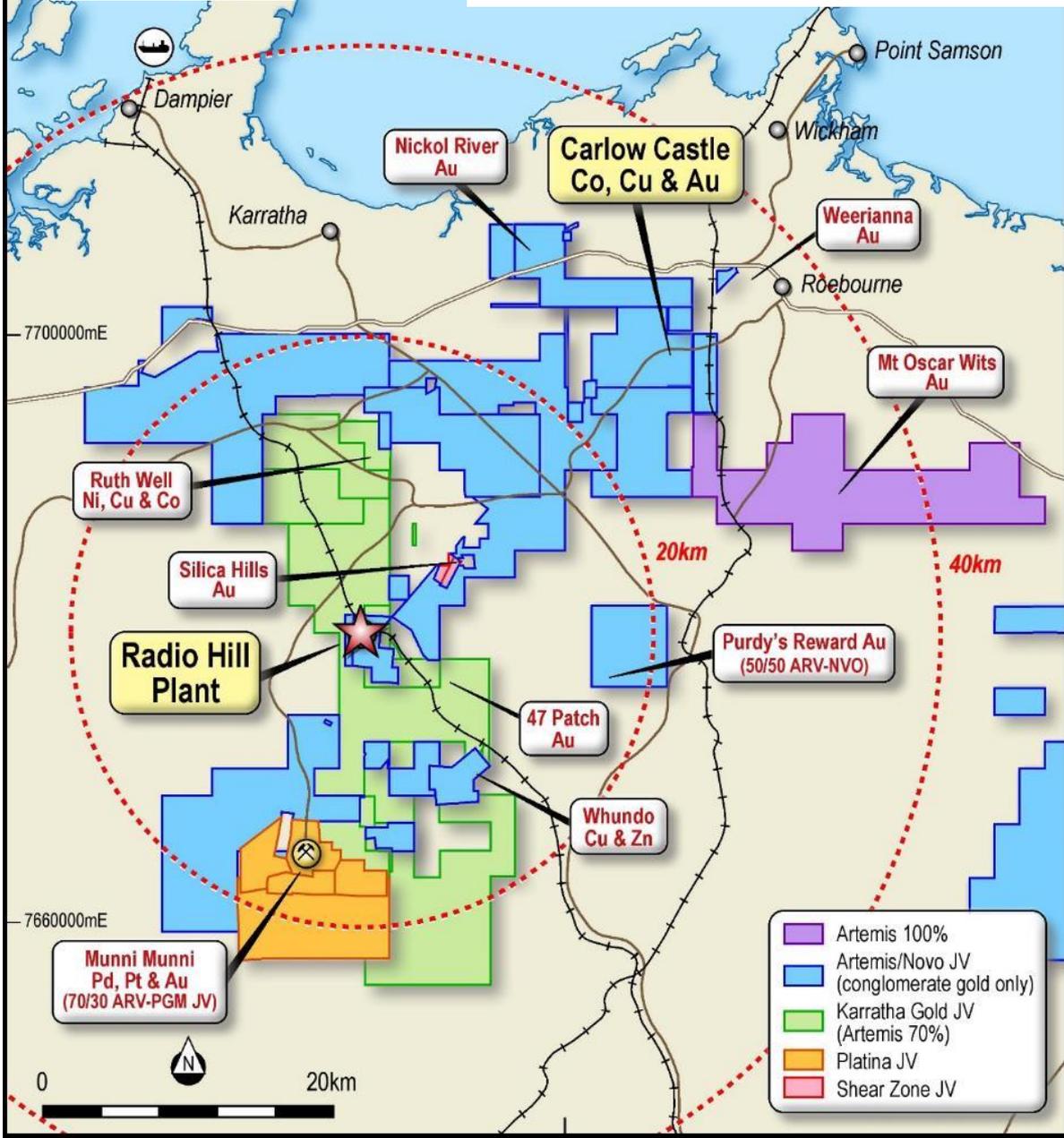
2.0

Carlow Castle – Australia's Best Cobalt Resource?

500000mE



Carlow Castle – Australia’s Best Cobalt Resource?



Carlow Castle Au-Cu-Co Project (100% ARV)

- A layered intrusive
- Shallow drilling across 1.2km of a 4km strike zone
- OPEN along strike and at depth
- 30km from Radio Hill
- Existing JORC 2012 Resource (31/1/18) based upon 81 holes (7,388m) delivered:

4.5Mt @ 0.9g/t Au, 0.4% Cu, 0.07% Co
 130,000 Oz Au, 18,000t Cu and 3,150t Co

Q1 - New Resource Update
 based on 189 holes (24,655m)

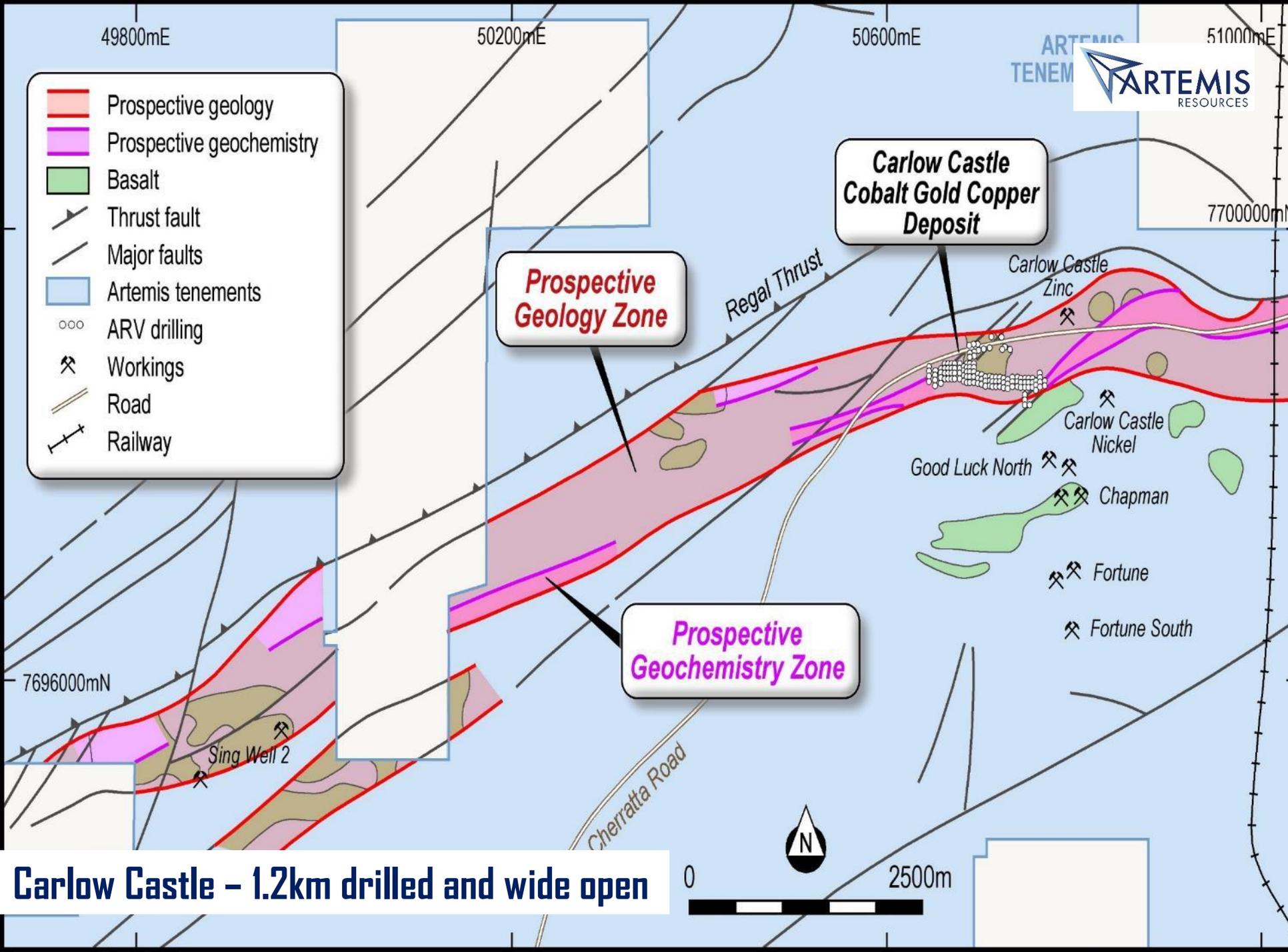
■	Artemis 100%
■	Artemis/Novo JV (conglomerate gold only)
■	Karratha Gold JV (Artemis 70%)
■	Platina JV
■	Shear Zone JV

- Prospective geology
- Prospective geochemistry
- Basalt
- Thrust fault
- Major faults
- Artemis tenements
- ARV drilling
- Workings
- Road
- Railway

**Prospective
Geology Zone**

**Prospective
Geochemistry Zone**

**Carlow Castle
Cobalt Gold Copper
Deposit**



Carlow Castle - 1.2km drilled and wide open

Carlow Castle – Outstanding High Grade Au-Co-Cu

Carlow Castle Au-Cu-Co Project (100% ARV)

Best intervals since January 2018 JORC resource include:

- 3m @ 6.24 g/t Au, 3.45% Co and 2.43% Cu from 52m incl 1m @ 6.54% Co from 54m (ARC006)
- 6.5m @ 23.44g/t Au, 2.32% Co and 10.35% Cu from 47m (18CCAD009)
- 17m @ 1.86g/t Au, 0.61% Co and 0.05% Cu from 88m (ARC 168)
 - incl: 2m @ 9.02g/t Au, 2.42% Co, 0.03% Cu from 89m.
- 4m @ 7.92g/t Au, 0.56% Co and 1.11% Cu from 62m (ARC082)
- 22m @ 6.10g/t Au, 2.35% Cu and 0.55% Co from 133m (18CCAD010)
- 5m @ 2.06g/t Au, 0.45% Co and 0.73% Cu from 61m (ARC098)
- 13m @ 4.96g/t Au, 0.39% Co and 1.47% Cu from 62m (ARC096)
- 26m @ 1.81g/t Au, 0.13% Co and 0.53% Cu from 39m (18CCAD007)
 - incl: 9m @ 2.91g/t Au, 0.31% Co and 0.55% Cu from 39m
- 20m @ 1.58g/t Au, 0.15% Co and 0.21% Cu from 7m (ARC099)
- 16m @ 2.14g/t Au, 0.15%Co and 0.55% Cu from 32m (18CCAD002)



3.0

**Radio Hill – A Strategic Asset
with Expanding Metallurgical
Capability**

Radio Hill – A New Gravity Gold Circuit



Existing processing plant 30km south of Karratha in the West Pilbara;

- 100% owned by ARV
- Build in 1988 as base metal concentrator. Operated intermittently by Agip, Titan Resources and Fox Resources who collectively invested >\$60M between 1988-2002
- Fox Resources placed Radio Hill on care and maintenance in 2008 due to commodity price weakness
- All infrastructure and tenements acquired by Artemis in 2017 for ≈\$4M
- Refurbishment of existing infrastructure begins late 2017
- Approvals to install new 500,000 tpa gold circuit announced 20 August 2018
- New gold circuit 80% complete – new float circuit onsite for future installation

Radio Hill – A Strategic Pilbara Asset with Expanded Metallurgical Capability



**New
Tertiary
crusher**

**Refurbished
mills**

**New Gold
Room**

**New Gold
Circuit**



4.0

De-risking Our Gold

Strategy

Shear-hosted Gold Resources



**JORC Compliant
Gold Resources**

263,739 Oz Au



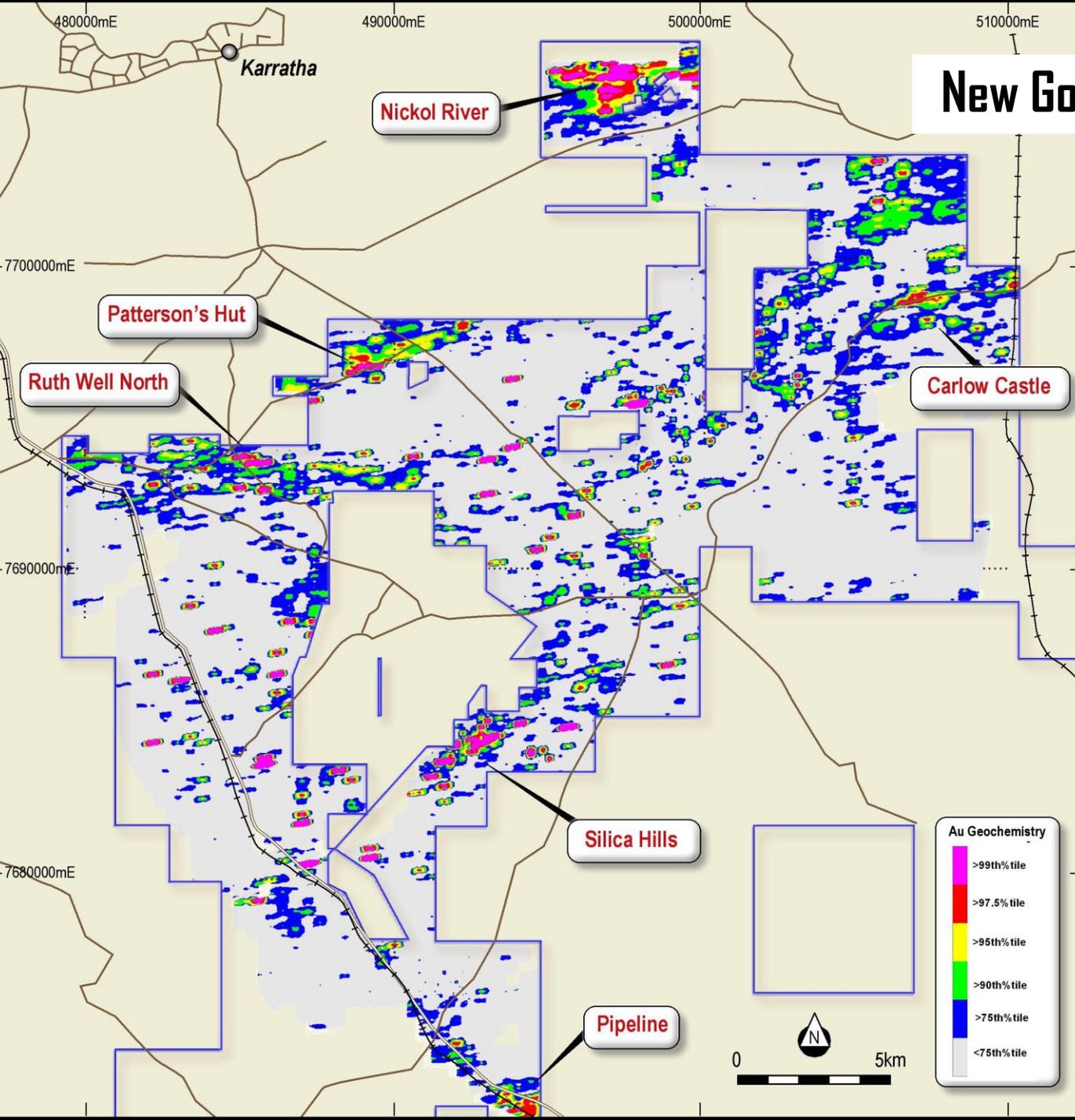
**Carlow Castle
136,000 Oz Au**

**New resource
pending**

**Mt Clement
65,000 Oz Au**

**Weeriana
62,739 Oz Au**

Rock Chip at Silica Hills



New Gold Targets Emerging

- **Patterson's Hut** - rock chip samples in veins and gossanous chert up to **11.4 g/t gold** across a **4.5 km** long surface soil anomaly
- **Ruth Well North** – rock chip samples up to **5.04 g/t gold** across a **14 km** long surface anomaly
- **Pipeline**– soil geochemistry anomaly in association with numerous nuggets in shear zones across two **1.0 km** long trends.

Conglomerates de-risked via 50:50 JV with Novo



Artemis has de-risked its conglomerate strategy via a 50:50 JV with Novo Resources Corp;

- JV is for conglomerate and/or paleoplacer style mineralization across Artemis' tenements within 100 km of the City of Karratha, including at Purdy's Reward ("the Gold Rights").

The Gold Rights do not include:

- (i) gold disclosed in Artemis' existing (at 18 May 2017) JORC Code Compliant Resources and Reserves; or
 - (ii) gold which is not within conglomerate and/or paleoplacer style mineralization; or
 - (iii) minerals other than gold.
- The Definitive Agreements cover 36 tenements / tenement applications that are 100% owned by Artemis.
 - Artemis' Mt Oscar Wits, 47 Patch and Munni Munni tenements are excluded from the Definitive Agreements.

\$5.4M
JV exploration
budget to June
2019.

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Upcoming Price Catalysts...



Quarter 1, 2019

- Ruth Well Ni-Cu-Co Resource Update
- Paterson Range MAG release
- Carlow Castle Metallurgical Update
- Carlow Castle Resource Update
- December Quarterly
- Carlow Castle Air core drilling



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www.artemisresources.com.au