



20 February 2025

Company Announcements
ASX Limited

RIU Conference Presentation

Artemis Resources Limited (ASX/AIM: RIU) is pleased to advise that Julian Hanna, Managing Director, will present today at the RIU Explorers Conference in Freemantle, Perth.

A copy of the presentation is attached.

This announcement has been approved by the Board.

A handwritten signature in black ink, appearing to read 'Guy Robertson'.

Guy Robertson
Company Secretary





RIU EXPLORERS CONFERENCE 2025

Exploring for Gold in the under-explored
North Pilbara Gold Province in
Western Australia

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The information in this report that relates to Exploration Results was prepared/compiled by Mr Adrian Hell and Mr Julian Hanna who are both Competent Persons and members of the Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Hell is a geologist with many years of gold exploration experience and is a technical consultant to Artemis Resources Ltd. Mr Hanna is a geologist with over 40 years experience in exploration and mining and is Managing Director of Artemis Resources Ltd. Mr Hell and Mr Hanna have 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 Competent Persons as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Hell and Mr Hanna consent to the inclusion in this report of the matters based on the 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 (CPGeo) MAIG and Dr Simon Dominy FAusIMM(CPGeo) FAIG(RPGeo) FGS(CGeol). Ms Graham is an employee of Snowden Optiro. Dr Dominy is a consultant to 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.

To the extent that this announcement contains references to prior exploration results and Mineral Resource Estimates for the Carlow Gold/Copper Project which have been cross referenced to previous market announcements made by the Company, unless explicitly stated, no new information is contained. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

COMPANY SNAPSHOT

ASX:ARV | AIM:ARV

MARKET CAP

A~\$22m (at 18 Feb 2025)

SHARE PRICE

A\$0.01 (at 18 Feb 2025)

ISSUED SHARES

~2,525m

CASH AND CASH EQUIVALENTS

\$2.439 million at 31 December 2025

plus

\$1.99 million at 14 February 2025

INVESTMENTS

ASX:GRE - 6.75m shares (8.12%)

ARV ASX Chart



SHAREHOLDERS

*Fund Managers
15%

Retail
60%

Private/HNW's
25%

*As at 29 November 2024

BOARD OF DIRECTORS



- Guy Robertson - Non Exec Chairman. 30 years of experience as a Director, CFO and Company Secretary.



- Julian Hanna - Managing Director - Geologist with 40 years' experience. MD Western Areas (12yrs) and MOD Resources (7yrs)



- Vivienne Powe. - Non-Exec Director. Metallurgical engineer with over 30 years industry experience.

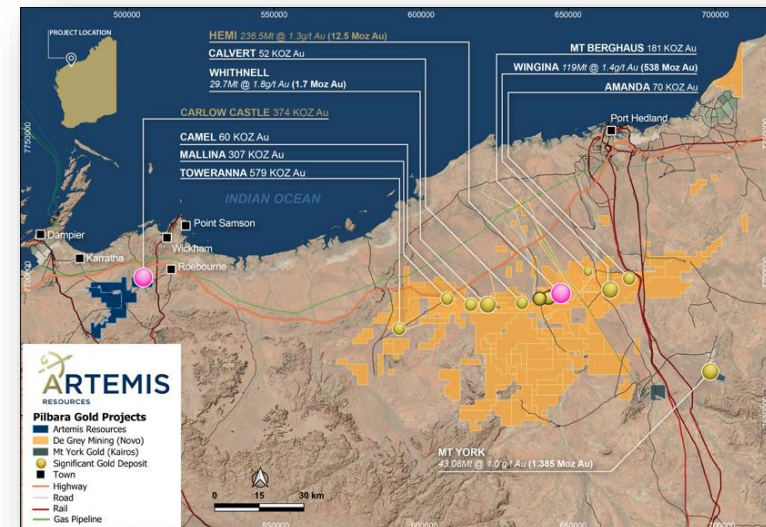
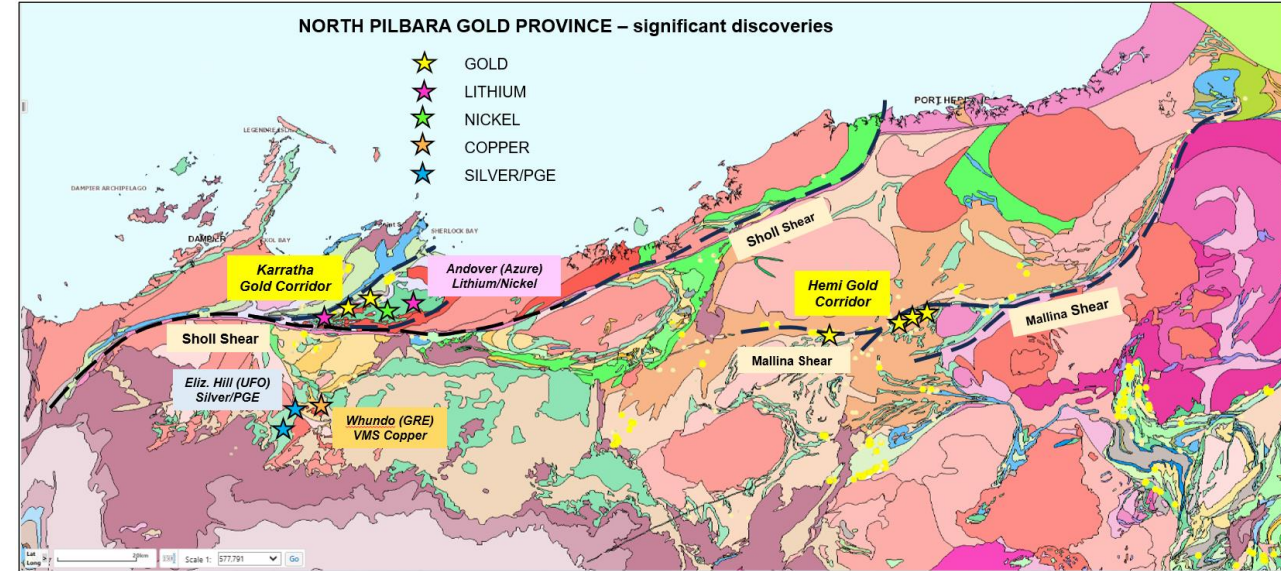


- Liz Henson - Non Exec Director. International lawyer with over 35 years of global experience.

NORTH PILBARA - EMERGING GOLD PROVINCE

KARRATHA GOLD PROJECT

- Numerous gold occurrences along >200km east-west belt dominated by Mallina Shear and Sholl Shear
- Key to Tier 1 gold camps include: regional structures + major disruptions + intrusions + favourable host rocks
- De Grey's holdings cover a complex structural corridor near the eastern end of the belt centred around the Mallina Shear with multiple gold mineralized bodies
- Artemis's holdings cover a 20km section of a strongly mineralised structural corridor at the western end of the belt with significant gold, copper, lithium & nickel
- The 'Karratha Gold Corridor' is a splay off Sholl Shear. It includes multiple thrusts, shear zones and folds partly overlain by the Andover Intrusion (hosts Li and Ni/Cu)
- Artemis has a 374koz starter gold deposit at Carlow plus several high priority undrilled satellite gold targets within 2-3km radius. Drilling started early February



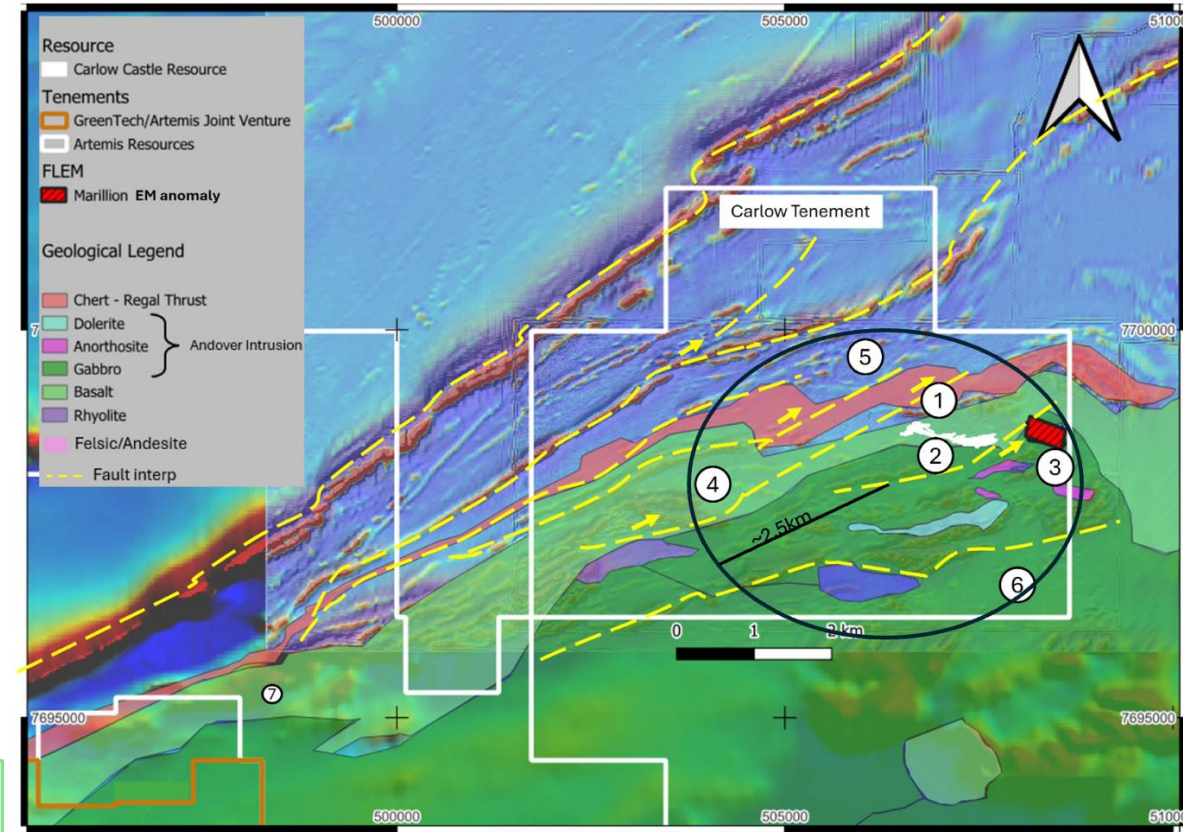
PRIORITY TARGETS - within 2-3km of Carlow deposit

UNIQUE STRUCTURAL SETTING PROSPECTIVE FOR GOLD, SILVER AND COPPER

- Carlow gold/copper mineralization occurs in brecciated and stacked quartz/carbonate/sulphide lodes along a >1.2km strike length. It remains open to the east and at depth
- Carlow is located within a 2-6km wide, under-explored structural corridor centered around the regional-scale Regal Thrust. There are currently six priority gold targets
- Regal Thrust comprises laminated and massive chert units, offset by shearing, faults, folds and possible intrusions. The Carlow 'mine sequence' is interpreted to be covered by the Andover Intrusion (a layered sill?) south and west of Carlow
- High-grade, undrilled surface gold occurs in Qtz/Fe veins and gossanous chert outcrops at Titan, north of Carlow and at Thorpe south of Carlow, within the Andover Intrusion

PRIORITY DRILL TARGETS

- **Marillion** – large (500m) highly conductive (11,000s) EM anomaly
- **Carlow extensions** – potential high-grade gold plunge extensions
- **Carlow pit potential** – review prior drilling and potential pit options
- **Titan** – test source of surface gold occurrences and gravity low feature
- **Europa** – test 2.5km long gravity anomaly and adjacent EM anomaly
- **Thorpe** – test source of surface gold occurrences below Andover Intrusion



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ARTEMIS
RESOURCES

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Carlow Castle Long section - high grade gold resource extension drilling

West Zone **East Zone** **Marillion prospect**

Resource block model with 1.5 g/t Au cut off

Legend:

- 1.50 to 2.00
- 2.00 to 2.50
- 2.50 to 3.00
- 3.00 to 4.00
- 4.00 to 5.00
- ≥ 5.00

Drill Results:

- 6m @ 4.6g/t Au
- 25m @ 3.38g/t Au
- 9m @ 3.9g/t Au
- 4m @ 11.1g/t Au

Drill Locations:

- Phase 1 proposed drill locations (Red diamonds)
- Phase 2 proposed drill locations (Yellow diamonds)

Open Areas: Indicated by red arrows pointing to areas labeled "Open".

Strong EM conductor 11,000 siemens - untested

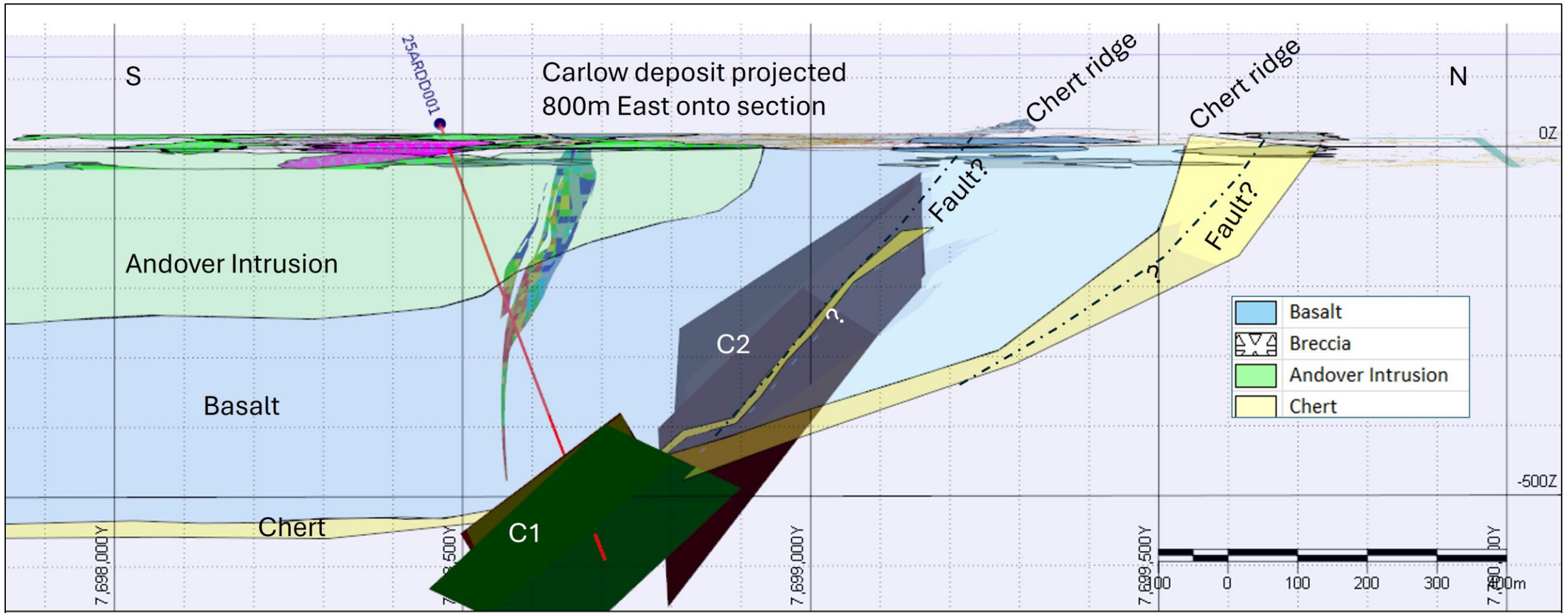
Scale: 100 0 100 200 300 400m

Note¹ : Carlow Mineral Resource - refer to Artemis ASX announcement on 13 October 2022

CARLOW & MARILLION TARGETS - conceptual geological section

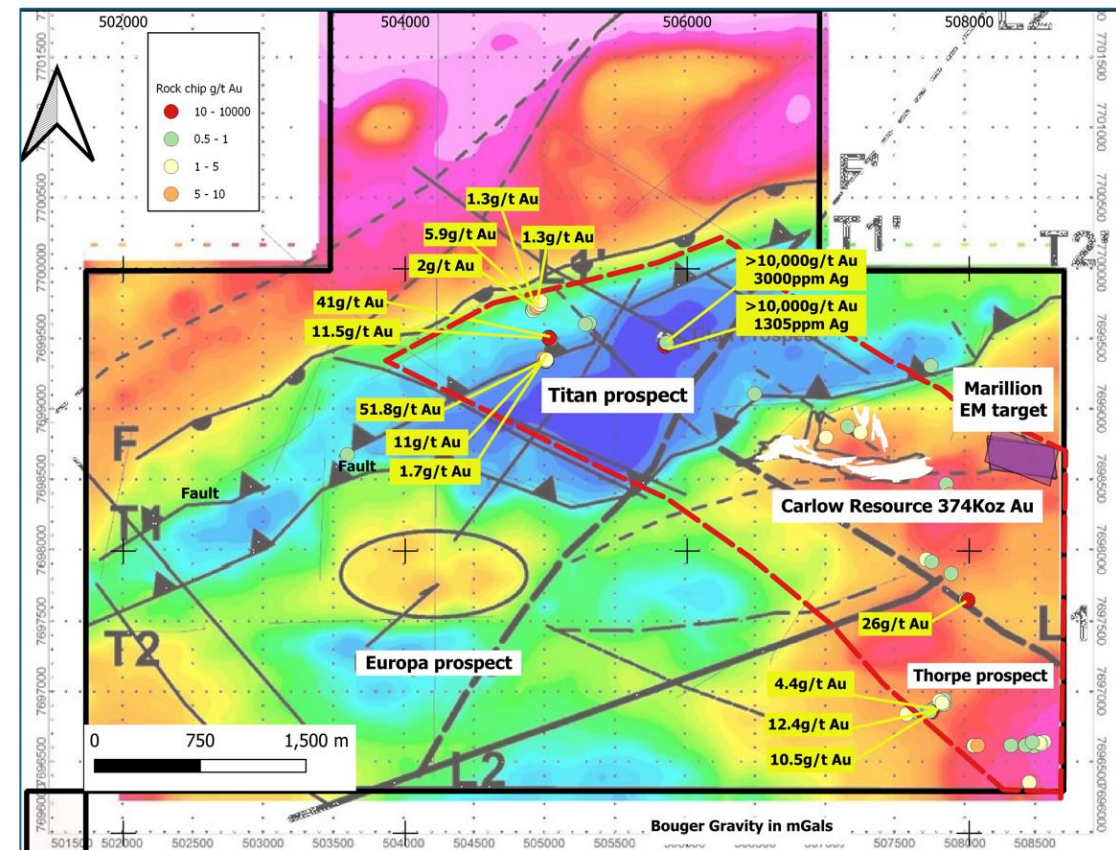
PRELIMINARY CROSS SECTION THROUGH MARILLION EM CONDUCTIVE PLATE (C1) AND HOLE 25ARDD-001

Carlow deposit is shown projected ~800m east onto section. Note: hole 25ARDD-001 is currently in progress

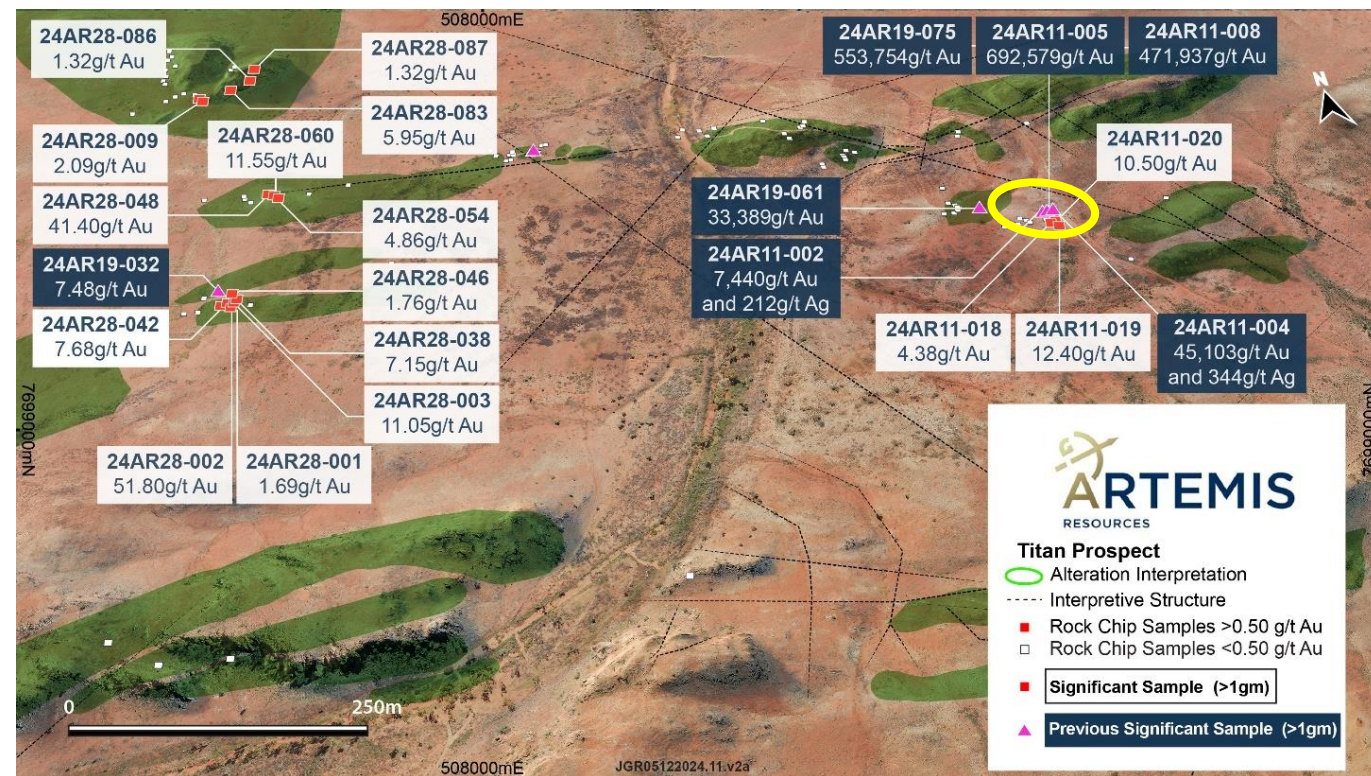


TITAN GOLD PROSPECT - 2km NW of Carlow, undrilled

HIGH GRADE GOLD ASSAYS FROM SELECTIVE SAMPLING OF QUARTZ VEINS AND CHERT OUTCROPS



Gravity image of Carlow Tenement showing Titan gravity-low feature with gold assays from surface rock chip samples. Shows Carlow resource and Marillion EM anomaly within a 4km NW trending prospective gold zone (in red outline).



Satellite image of the Titan Prospect showing 5 locations where surface samples from quartz/ironstone veins and gossanous chert outcrops around the gravity-low feature have returned high-grade gold and locally silver results. The Titan discovery area (yellow) is approved for drilling with an initial RC drilling planned to start in March

TITAN GOLD PROSPECT - surface gold, assay table (example)

HIGH GRADE GOLD ASSAYS FROM SELECTIVE SAMPLING OF QUARTZ VEINS AND CHERT OUTCROPS



Titan Prospect - outcrop of brecciated and banded chert (approx. 5m wide) with thin stockwork iron oxide veining. Sample 24AR28-002 of ferruginous chert (above) from this outcrop returned 51.8g/t Au

Artemis ASX announcements relating to surface rock chip results referred to in this [announcement](#):

High grade rock chip gold assays, 12 June 2024
High grade gold vein discovery at Titan prospect, 16 August 2024
High grade gold vein discovery at Titan prospect amended, 16 August 2024
Titan prospect results – clarification statement, 17 September 2024
Titan delivers further [high grade](#) rock chip results, 10 October 2024
New Regional Discovery High-Grade Cu, Au, Ag Chapman Prospect, 6 December 2021

Prospect	Sample_No	Easting	Northing	Au_GPT	Cu_%	Zn_%	Agppm
Titan	24AR28-002	504994	7699344	51.80	0.0042	0.0039	1.14
Titan	24AR28-048	505016	7699514	41.40	0.0069	0.0032	2.41
Titan	24AR11-019	505858	7699467	12.40	0.0242	0.0141	0.04
Titan	24AR28-060	505023	7699507	11.55	0.0009	0.0010	0.97
Titan	24AR28-003	505004	7699350	11.05	0.0073	0.0102	0.7
Titan	24AR11-020	505857	7699472	10.50	0.0244	0.0070	0.25
Titan	24AR28-042	504995	7699348	7.68	0.0035	0.0057	1.86
Titan	24AR28-038	504999	7699348	7.15	0.0066	0.0099	0.84
Titan	24AR28-083	504935	7699729	5.95	0.0005	0.0006	0.46
Titan	24AR28-054	505020	7699510	4.86	0.0035	0.0025	0.3
Titan	24AR11-018	505855	7699470	4.38	0.0076	0.0017	0.03
Titan	24AR28-009	504905	7699706	2.09	0.0058	0.0213	0.38
Titan	24AR28-046	505001	7699356	1.76	0.0052	0.0079	1.18
Titan	24AR28-044	504998	7699349	1.74	0.0038	0.0036	0.69
Titan	24AR28-001	505003	7699344	1.69	0.0098	0.0174	0.39
Titan	24AR28-086	504955	7699749	1.32	0.0008	0.0016	0.98
Titan	24AR28-087	504959	7699771	1.32	0.0005	0.0005	0.68
Titan	24AR28-041	505859	7699473	0.78	0.0283	0.0129	0.2
Titan	24AR28-040	505000	7699351	0.72	0.0089	0.0088	0.3
Titan	24AR28-052	505017	7699511	0.66	0.0035	0.0022	0.12
Titan	24AR28-079	504913	7699721	0.65	0.0007	0.0015	0.56
Titan	24AR11-017	505863	7699470	0.62	0.0086	0.0037	0.04
Titan	24AR28-010	505277	7699606	0.62	0.0032	0.0229	0.16
Titan	24AR28-049	505853	7699476	0.58	0.0402	0.0136	0.04
Titan	24AR28-081	504926	7699719	0.48	0.0087	0.0232	0.75
Titan	24AR28-056	505021	7699509	0.47	0.0012	0.0012	0.24
Titan	24AR28-058	505023	7699507	0.45	0.0016	0.0028	0.76

NEW PROJECT OPPORTUNITIES - Au/Cu and Ni/Cu/PGE

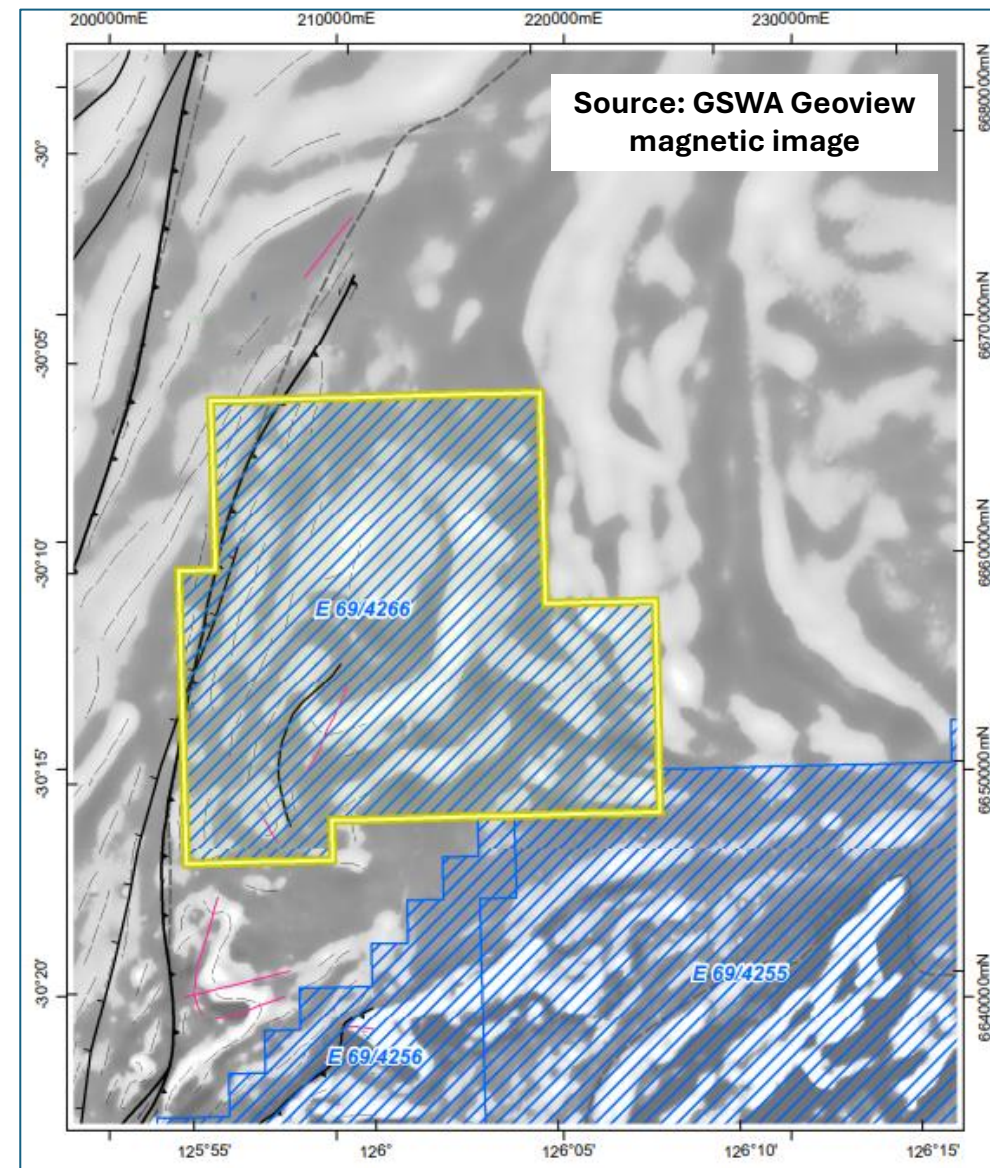
TARGETING HIGH QUALITY TARGETS WHICH CAN DELIVER MAJOR DISCOVERIES

While the Karratha Gold Project is expected to continue as Artemis's core asset, the Company strategy includes identifying other high quality exploration targets considered to have potential for discovery of major mineral deposits. Priorities are for targets which can be acquired and tested at relatively low cost.

Artemis subsidiary KML No 2 Pty Ltd has applied for a 340km² exploration licence (E 69/4266) over a large interpreted intrusion ("Cassowary Intrusion") located 440km east of Kalgoorlie.

The intrusion occurs in a rare geological setting on the margin of the Madura West Crustal Margin (GSWA) where it is intersected by a crosscutting arcuate fault. The intrusion is interpreted to have disrupted surrounding magnetic units over many kms.

The Cassowary Intrusion is covered by an estimated 250-300m of Eocene sediments. There is no known drilling on the tenement and a gravity survey is planned to assist drill targeting for potential IOCG type deposits. Tenements extending directly south of the Artemis EL were previously held by BHP Nickel West and are now under application by WA1 and global copper producer Teck Australia.



KEY DELIVERABLES - NEXT 12 MONTHS

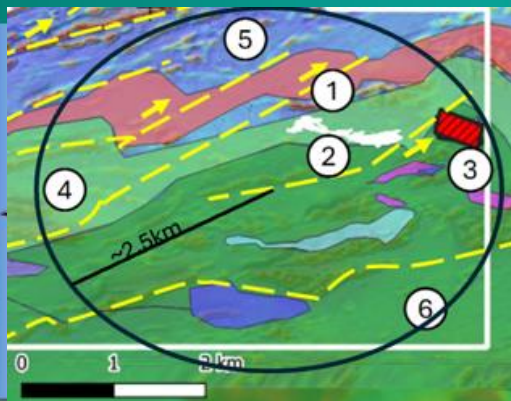
Phase 1:

Complete: surface mapping,
Geochem, structural interp

In Progress: Initial DD and RC
drilling 3 high priority targets

Surface and DH EM, gravity

Review Carlow resource



Phase 2:

**Follow-up DD drilling of 3 high
priority targets**

**Drill other priority targets near
Carlow: Thorpe and Europa**

Revise Carlow pit resource

Gravity survey at Cassowary



Phase 3:

**Preliminary resource infill
drilling depends on H1 results**

**Step up surface exploration
on Karratha regional targets**

**Drilling to scope potential for
underground resource**



Phase 4:

**Resource infill and extension
drilling around Carlow**

**Commence initial drilling at
Cassowary Intrusion**

**BD activities targeting
extension of project portfolio**



VISIBLE GOLD IN SURFACE OUTCROPS - Titan Prospect

KARRATHA GOLD PROJECT



10.4 oz gold bar produced from Titan prospect



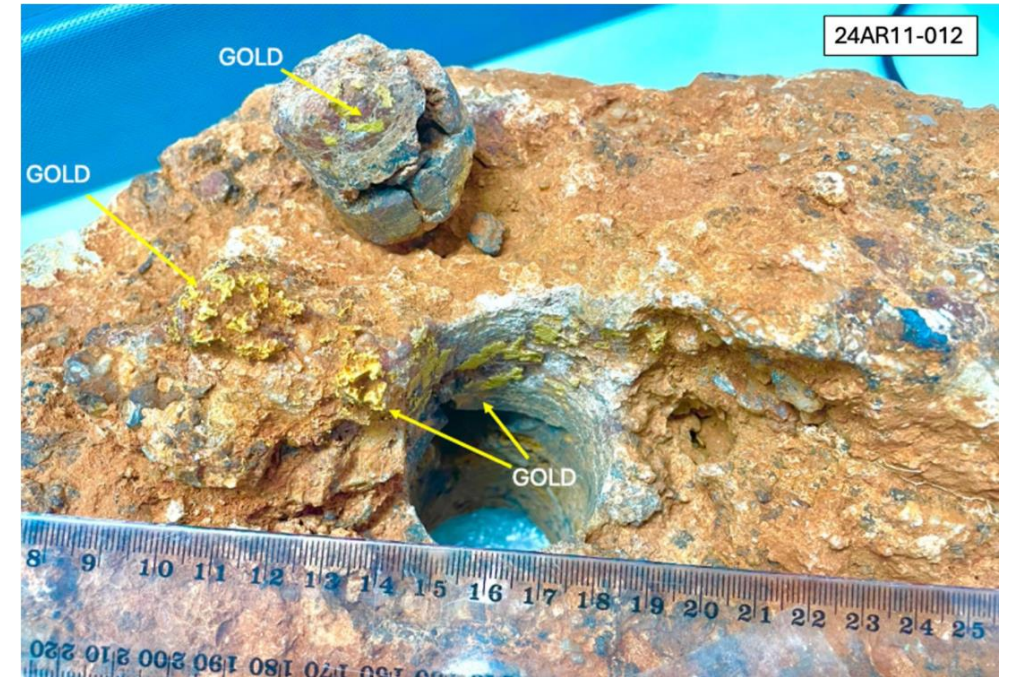
Gold (24AR11-007 & 24AR11-014) located in surface veins at the Titan gold prospect



Visible gold in quartz iron oxide vein located at Titan prospect



Visible gold in iron oxide vein located at Titan prospect



Sample 24AR11-012 taken from quartz vein at the Titan prospect displaying high gold content

CARLOW MINERAL RESOURCE

Refer to Artemis ASX announcement - 13 October 2022

Greater Carlow Mineral Resource by weathering state^{1,2,3}

Domain	Tonnes (Mt)	AuEq (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

Greater Carlow Mineral Resource by area above a cut-off of 0.7g/t AuEq^{1,3}

Domain	Tonnes (Mt)	AuEq (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

Greater Carlow Mineral Resource by area above a cut-off of 2.0g/t AuEq^{2,3}

Domain	Tonnes (Mt)	AuEq (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	5,560	550
Total	1.49	3.1	1.6	0.72	0.12	78,500	10,700	1,750

Gold Equivalent formula

The gold equivalent formula used in the calculation of an Au Eq grade uses the following parameters:
It is the Competent Persons' view that all elements contributing to the gold equivalent calculation have the potential to be extracted and sold.

Oxide	Au Eq. equation = Au (g/t) + Cu(%) x 0.86 + Co(%) x 2.31
Transitional	Au Eq equation = Au (g/t) + Cu(%) x 0.81 + Co(%) x 2.17
Fresh	Au Eq equation = Au (g/t) + Cu(%) x 1.31 + Co(%) x 3.96

Significant inputs to the Mineral Resource

Parameter	Input value
Overall slope angles	Oxide 40°, Transition 45°, Fresh 50°
Processing cost	A\$50/t
Gold recoveries	Oxide 96%, Transitional 93.5%, Fresh 93%
Copper recoveries	Oxide 61%, Transitional 56%, Fresh 90.5%
Cobalt recoveries	Oxide 47%, Transitional 43%, Fresh 78%
Mining costs	A\$2.70/t + 0.5c/t per m below 30mRL, thereafter add Transitional A\$0.25/t and Fresh A\$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	A\$2,600/oz
Copper price	A\$12,699/t
Cobalt price	A\$90,478/t
Au royalty (in dore)	2.5%
Au royalty (in concentrate)	5%
Cu royalty	5%
Co royalty	5%

- 1 Reported above a cut-off of 0.7g/t AuEq within an optimised pit shell (current as at 13 October 2022).
- 2 Reported above a cut-off of 2.0g/t AuEq for underground using MSO shapes (current as at 13 October 2022).
- 3 The 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.

Artemis Resources acknowledges and pays respect to the Traditional Owner groups upon whose lands we operate.

We recognise the unique cultural heritage of Aboriginal people and their continued connection to lands, waters and communities.

We pay our respects to all Aboriginal people, and to Elders past, present and emerging.



CONTACT

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