

Quarterly Activities Report

For the period ending 30 June 2024

Highlights:

Karratha Lithium Project (ARV 100%)

- Further high grade rock chip assays received
- Significant results included;
- *Mt Marie Prospect*
 - 24AR04-07 – **4.63% Li₂O**
 - 24AR04-14 – **4.52% Li₂O**
 - 24AR04-13 – **4.28% Li₂O**
 - 24AR04-12 – **3.63% Li₂O**
 - 24AR04-04 – **3.45% Li₂O**
- *Osborne East Prospect*
 - 24AR04-20 – **0.69% Li₂O**
 - 24AR04-24 – **0.60% Li₂O**
 - 24AR04-25 – **0.59% Li₂O**
 - 24AR04-26 – **0.59% Li₂O**

Osborne Lithium Project (ARV 49%)

- Further soil sampling over southern zones completed
- Assays highlight extended mineralisation

Karratha Gold Precinct

- Gold review identifies multiple targets
- Orpheus zone delivers high grade gold assay from Nickol River Hill south of **6.93 Au g/t** in rock chips which include a peak copper assay of **10.85% Cu**
- Heritage survey over Lulu Creek gold prospect in process

Corporate

- Elizabeth Henson appointed as non-executive director.
- Oversubscribed capital raise of A\$2.87 million – strongly supported by sophisticated and institutional investors.
- \$0.5 million in cash as of 30 June 2024, which was supplemented by a further \$1.6 million received from the second tranche of the capital raise (announced 10 May 2024) post quarter end, and liquid investments of ~\$1 million.

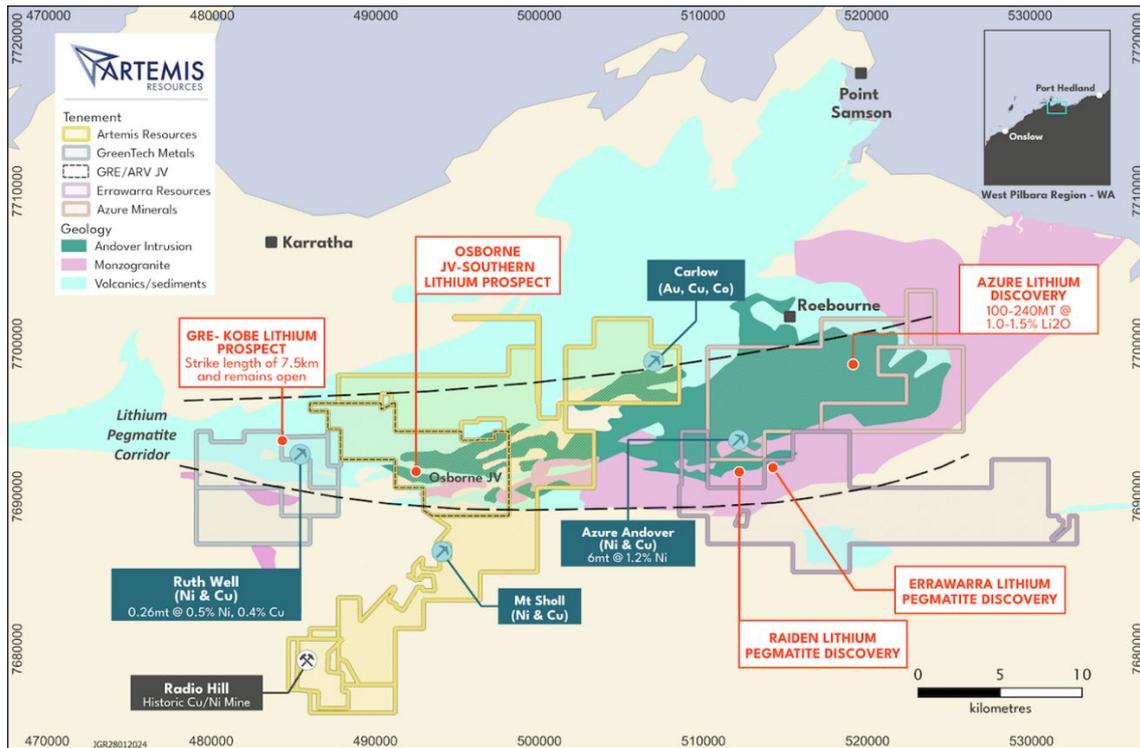


Figure 1. Artemis Resources Project Location Map

Artemis 100% Lithium Project

Further ground reconnaissance was completed during the quarter and was designed as a follow up to the original Mt Marie results where rock chip assays peaked at **4.67% Li₂O**. These results confirmed the high-grade strike at Mt Marie and will lead to further exploration work to uncover the extent of the mineralisation. This work will include additional programs to identify sub-surface pegmatites and lithium mineralisation.

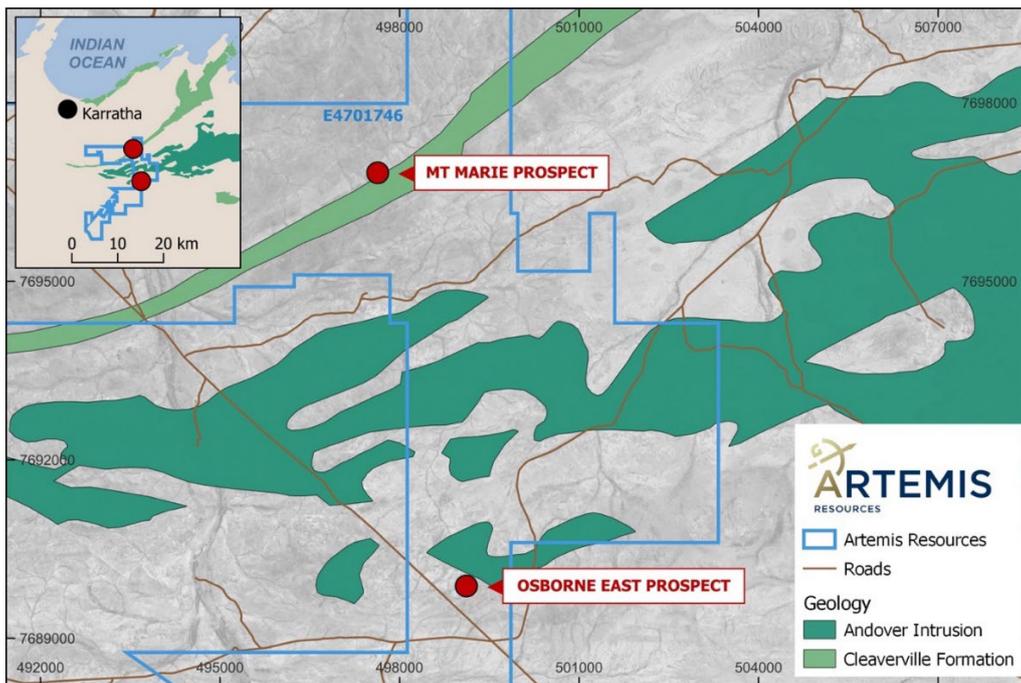
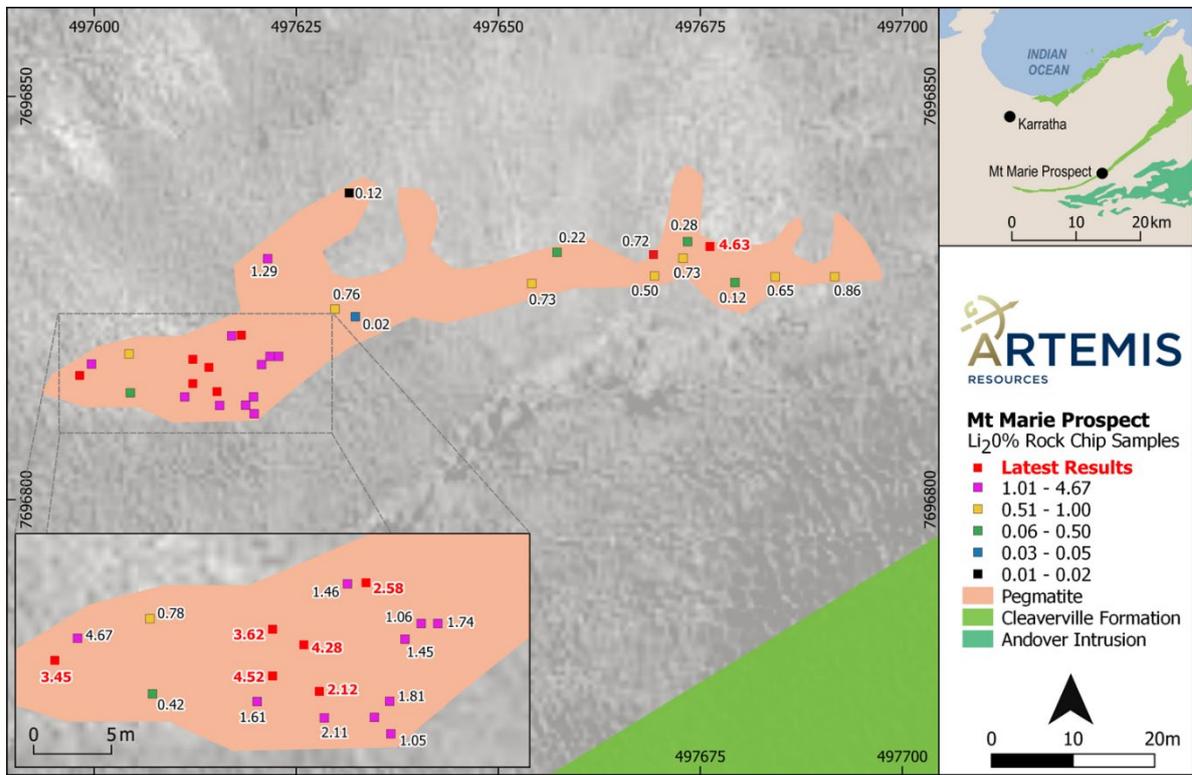
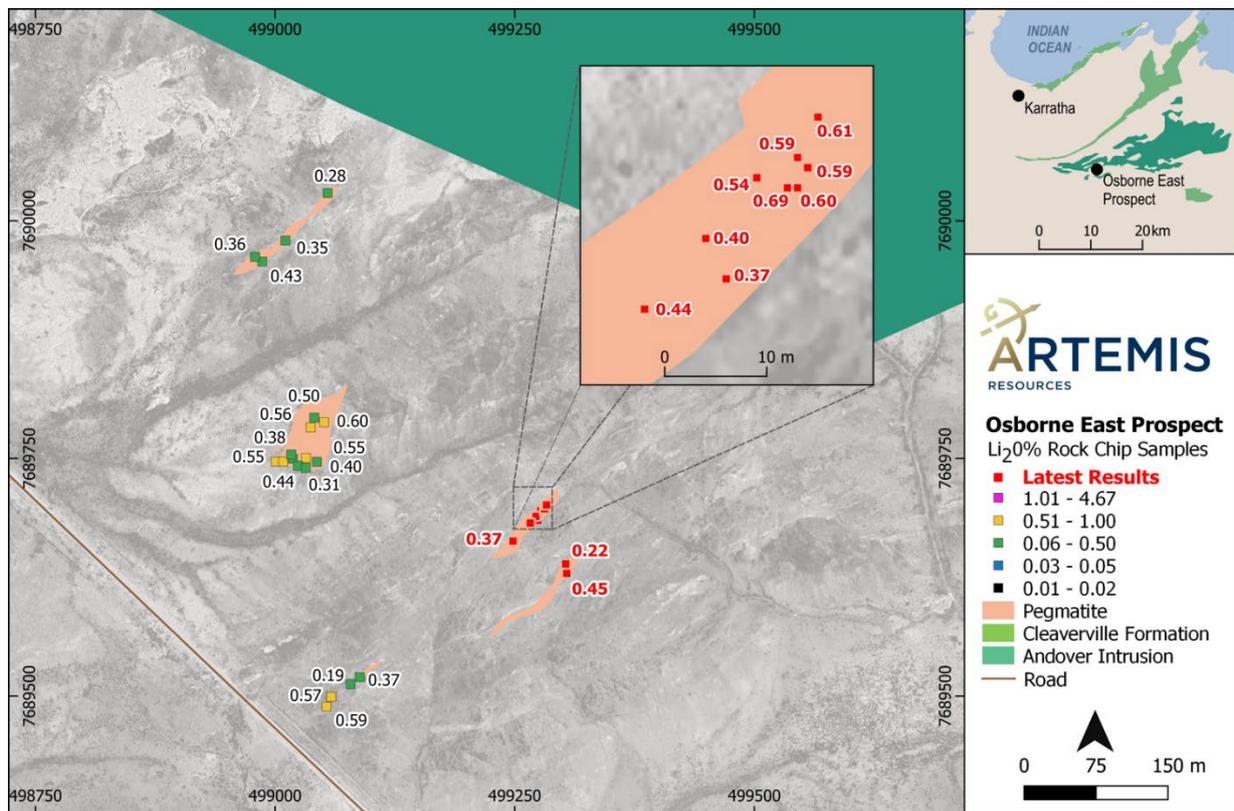


Figure 2. Artemis Resources Lithium Project Location Map



Osborne East was also included in the expanded exploration program which was subject to additional sampling, resulting in another round of multiple rock chip assays returning **greater than 0.5% Li₂O**.



As a result, the strike length of the Osborne East prospect has again been extended through this most recent program with multiple zones of pegmatite extending across an area of 500mx350m and which remains prospective for further growth.

The rock chip assays included the following;

Mt Marie Prospect

- 24AR04-07 – **4.63% Li₂O**
- 24AR04-14 – **4.52% Li₂O**
- 24AR04-13 – **4.28% Li₂O**
- 24AR04-12 – **3.63% Li₂O**
- 24AR04-04 – **3.45% Li₂O**

Osborne East Prospect

- 24AR04-20 – **0.69% Li₂O**
- 24AR04-24 – **0.60% Li₂O**
- 24AR04-25 – **0.59% Li₂O**
- 24AR04-26 – **0.59% Li₂O**

Rock chip samples previously taken from the Mt Marie prospect were tested for mineralogy type at Curtin University and the analysis confirmed that the host mineral for the lithium is **spodumene**.

The high grade Li₂O results at Mt Marie confirms the Company has discovered a potentially high grade system which is important in a regional sense in that it is reflected by Azure Minerals' Andover project where a peak rock chip assay result of **4.87% Li₂O** was recorded and an exploration target of **100-240Mt @ 1.00-1.5% Li₂O** reported.

Osborne Lithium Project (ARV 49%)

A follow-up in-fill soil program comprised a total 916 samples was completed focussing on the southern portion of the Osborne JV tenement with results from the program reported post-quarter end. The Osborne pegmatite zone is defined by a large associated anomalous lithium soil footprint which has a strike of ~4km and a width of up to 1.3km.

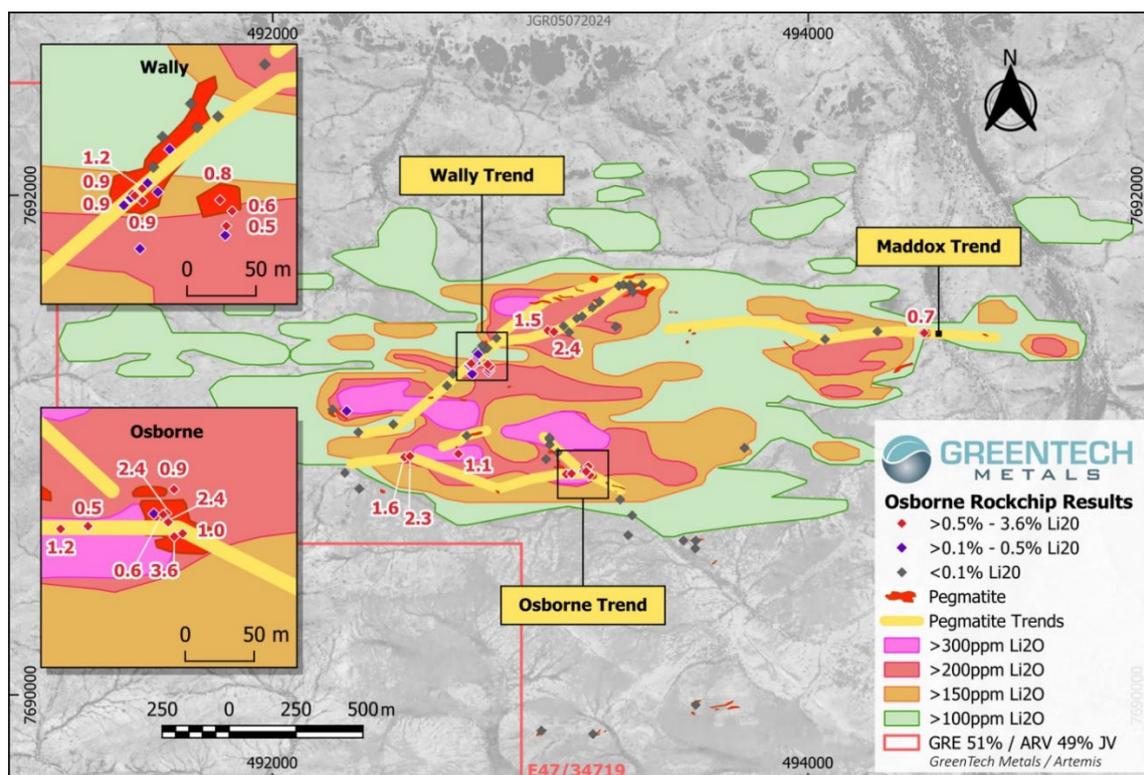


Figure 5. Lithium Soil Footprint Associated with Osborne Pegmatite Cluster

The anomalous footprint eclipses the size of the observed pegmatite outcrop and indicates there is potentially more to be discovered at Osborne. The soils report a peak assay of **712ppm Li₂O** and with numerous Li₂O assays greater than **300ppm**. This in-fill sampling was undertaken on a 50m x 200m sampling grid.

Artemis 100% owned gold projects

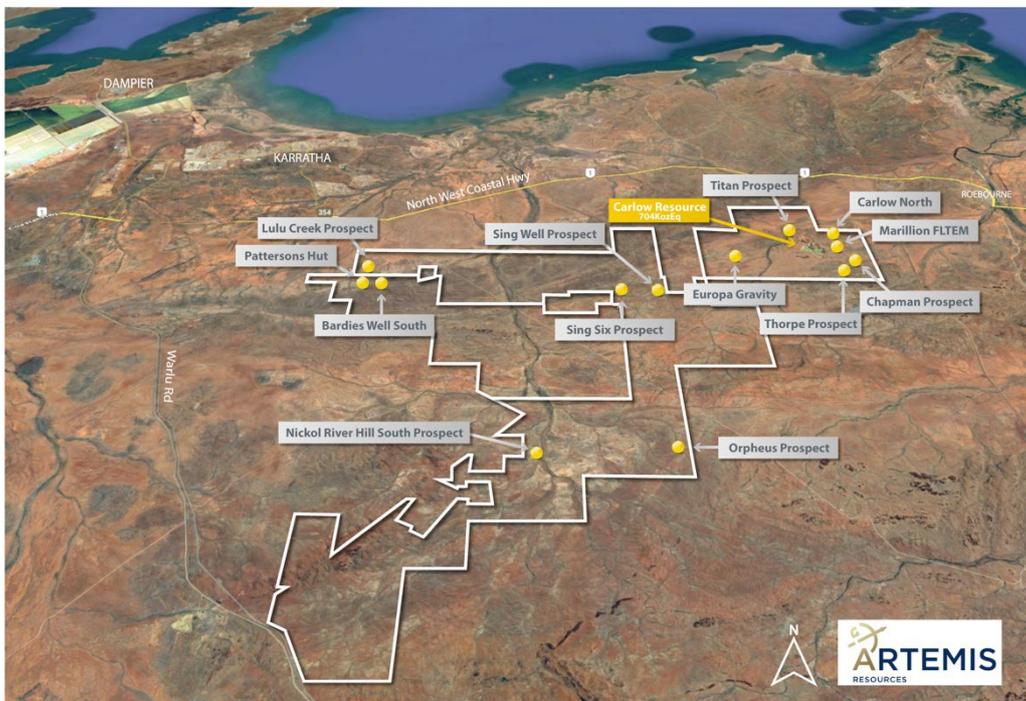


Figure 6. Artemis tenement package in the West Pilbara with Carlow resource and gold prospects identified.

Ground exploration during the quarter was focused on revisiting the areas most prospective with respect to gold mineralisation and looked to confirm work where previous exploration was conducted.

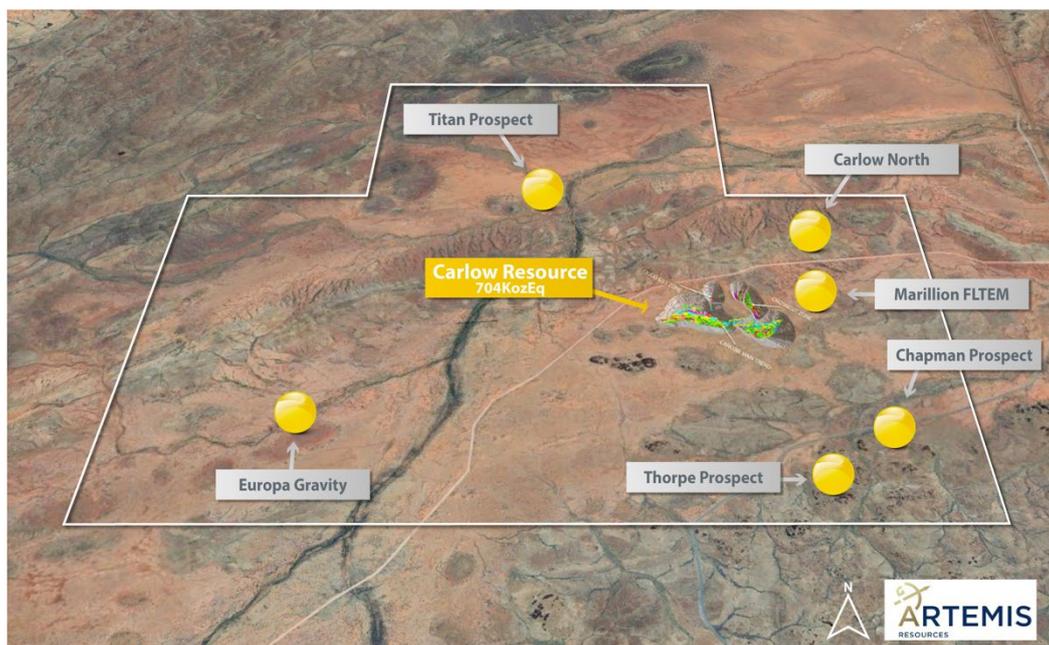


Figure 7. Artemis Resources Carlow project prospects

This ground work commenced late in May 2024 and a small number of rock chips were taken across the tenement. The rock chips collected were taken proximate to previously identified targets, including specimens taken from historic workings to confirm mineralisation at these locations.

Results received from this program included:

Location	Sample No	Easting	Northing	Au GPT	Cu%	Zn%	Ag GPT
Nickol River Hill South	24AR05-024*	495471.00	7686229.00	6.93	10.850	7.540	86.6
Sing-Well prospect	24AR05-039	499039.00	7695747.00	3.27	0.008	0.062	0.39
Sing-Six prospect	24AR05-038*	497985.00	7695133.00	1.51	0.004	0.002	0.22
Orpheus Prospect	24AR05-044	499775.00	7687406.00	0.89	1.850	6.980	9.44
Lulu Creek prospect	24AR05-031	487025.00	7695845.00	0.65	0.003	0.004	7.15
Sing-Six Prospect	24AR05-037	498045.00	7695294.00	0.45	0.030	0.013	0.21
Lulu Creek Prospect	24AR05-028	489391.00	7696489.00	0.23	0.014	0.033	0.52

Table 1. Highlighted rock chip assay results

*Indicates rock chip sample taken from Mullings pile.

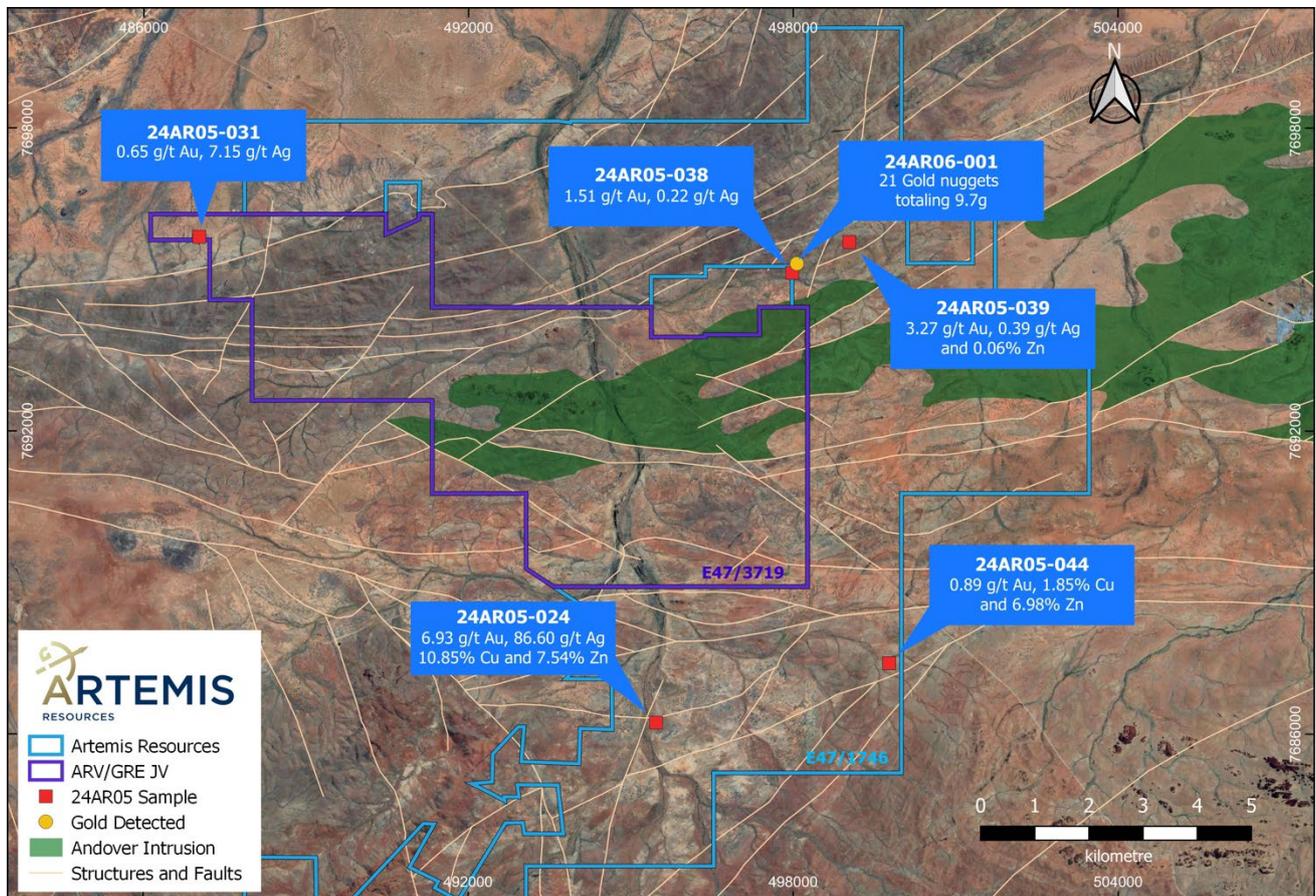


Figure 8. Artemis Resources' Silica Hills rock chip results

Sing-Six Gold Nuggets

A very preliminary assessment for coarse grain gold in surface cover was completed using a gold detector at the Sing-Six prospect. This work tested a relatively small area of approximately 25m x 25m in proximity to historic hard rock gold vein workings.

Results returned **21 gold nuggets** (totalling **9.7gms**) up to 15mm in width.

The physical characteristics of the gold include a majority with a high degree of angularity which indicates that they are very close and/or proximal to the likely hard rock source.

Furthermore, some of the gold nuggets occur with attached quartz and iron oxides which compare to the mineralogy of the nearby gold bearing veins.

The Company views the discovery of these nuggets as a tool to assist with near-surface targeting of hard rock gold occurrences, which is now being considered.

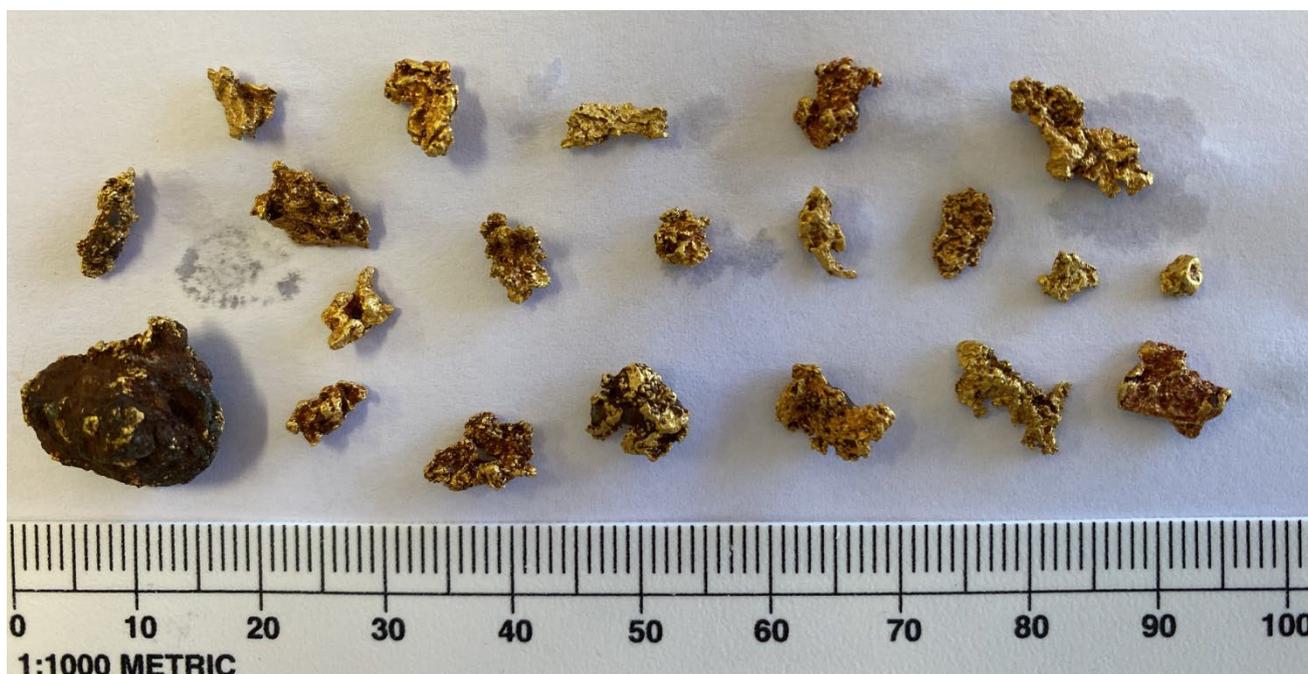


Figure 9. Twenty-one gold nuggets collected (sample 24AR06-001) from the Sing-Six Prospect using metal detector (the physical characteristics of these nuggets indicate a likely 'close to source' relationship and how the discovery of these nuggets can further assist surface targeting toward *in-situ* and hard rock gold occurrences is currently being evaluated)

Paterson Central Project

While the activities completed by the Company during the quarter predominantly focussed on the West Pilbara gold and lithium prospects, Artemis continues to possess a highly strategic landholding in the Paterson gold province. The Paterson Central project consists of a 605km² exploration licence surrounding and adjacent to the Tier 1 Havieron Copper-Gold discovery is also 45km east of Telfer in the Great Sandy Desert of Western Australia.

Corporate

During the period, the Company announced it had received firm commitments to raise A\$2.87 million at \$0.01275 per share from institutional and sophisticated investors. The issue price represented a 29% discount to the 20 day VWAP. The offer was oversubscribed and well supported by existing shareholders.

The Company also issued one free attaching option for every two new shares (in total 112,843,137 options), with an exercise price of \$0.025 and expiry date of 9 March 2026.

Funds will be used to undertake further gold and lithium exploration programs across the Company's tenement portfolio.

In addition, the Company appointed Elizabeth Henson as non-executive director during the quarter. Ms Henson is an international lawyer with over 35 years of global experience in corporate governance, business and professional services.

As of 30th June 2024, Artemis had ~\$0.5 million in cash, and received a further \$1.6 million subsequent to quarter end from the capital raise.

The Company spent \$950,000 on exploration during the quarter which focused on lithium fieldwork and assays.

The Company paid directors \$126,000 during the quarter for salaries, superannuation and consulting fees.

About Artemis Resources

Artemis Resources Limited (ASX/AIM: ARV; FRA: ATY; US: ARTTF) is a gold, copper and lithium focused resources company with three major projects in Western Australia. The Greater Carlow Castle gold-copper-cobalt project in the West Pilbara; the Paterson Central Gold/Copper project in the Paterson Province (located adjacent to Greatland Gold / Newcrest's recent gold-copper discovery at Havieron; and the West Pilbara Lithium project (consisting of the 100% owned Karratha Lithium project and the Osborne JV (Artemis 49%; GreenTech Metals (ASX:GRE) 51%).

Artemis also owns the Radio Hill processing plant, the only processing plant in the West Pilbara region, 35km from Karratha.

For more information, please visit www.artemisresources.com.au

This report was approved for release by the Board.

For further information contact:

George Ventouras

Executive Director

info@artemisresources.com.au

Competent Person's Statement

The information in this report that relates to Artemis Resources Ltd exploration results was prepared by Mr Oliver Hirst, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Hirst is a technical consultant to Artemis Resources. Mr Hirst 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 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Hirst consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Adrian Hell, BSc (Hons), MSc, an advisor and consultant to the Company, is a Member of the AUSIMM, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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'. Adrian Hell consents to the inclusion in the report of the information in the form and context in which it appears.

Information Relating to Previous Disclosures

ASX Announcement, Artemis Resources Ltd, 13 October 2022

ASX Announcement, Azure Minerals Ltd, 20 January 2023

ASX Announcement, Azure Minerals Ltd, 7 August 2023

ASX Announcement, Greentech Metals Ltd, 1 September 2023

ASX Announcement, Artemis Resources Ltd, 13 November 2023

ASX Announcement, Azure Minerals Ltd, 30 April 2024

ASX Announcement, Artemis Resources Ltd, 5 February 2024

ASX Announcement, Artemis Resources Ltd, 6 March 2024

ASX Announcement, Artemis Resources Ltd, 9 May 2024

Appendix 1

Schedule of tenements holdings at end of Q2

Tenement	Project	Holder	Holding	Status
E47/1797	Greater Carlow	KML No 2 Pty Ltd	100%	Live
E47/1746	Cherratta	KML No 2 Pty Ltd	100%	Live
E47/3719	Osborne	KML No 2 Pty Ltd	49%	Live
P47/1972	Cherratta	KML No 2 Pty Ltd	100%	Live
M47/337	Radio Hill	Fox Radio Hill Pty Ltd	100%	Live
M47/161	Radio Hill	Fox Radio Hill Pty Ltd	100%	Live
E47/3361	Radio Hill	Elysian Resources Pty Ltd	100%	Live
L47/93	Radio Hill	Fox Radio Hill Pty Ltd	100%	Live
E45/5276	Central Paterson	Armada Mining Pty Ltd	100%	Live