ASX Announcement

September 2021 Quarterly Report



Highlights

Paterson Project

Diamond drill hole locations for the Apollo, Atlas, Juno and Voyager targets were finalised as were final heritage clearances from the Traditional Owners.

Access roads and multiple drill pads and sumps were constructed and a drill rig is now at the Atlas target.

Atlas was selected to be drilled first as access is more sensitive to wet weather than that at Apollo.

Following testing with a ~800m deep hole at Atlas the rig will move to the Apollo target where multiple, similar depth drillholes are to be drilled. A second rig has been booked to accelerate drilling at Apollo in November and December.

Drilling is expected to continue till the Christmas break that coincides with the typical onset of the short rainy season. With heritage approvals in place as well as access infrastructure and drill pads the Company expects to very quickly be able to reactivate drilling post the rainy season which typically abates in late February.

Carlow Castle Au-Cu-Co Project

A drill campaign totalling 60 RC holes for 14,725 metres was completed on the 8 September. The holes were planned based on new interpretations for Carlow Castle Main Zone, Quod Est and Crosscut areas to test plunging high grade shoots at depth. The drilling was also designed to test the Good Luck and Little Fortune exploration prospects, located approximately one kilometre to the south of Carlow Castle.

As of the 30 September, results had yet to be received. First preliminary assays from this programme have been received post quarterly.

Assay results for the diamond drilling returned grades of:

- 7m @ 4.70g/t Au, 1.58% Cu, 0.30% Co from Holes 21CCDD001 from 163m including
 - 2m @ 12.00g/t Au, 4.37% Cu and 0.86% Co.
- 5m @ 2.88g/t Au, 0.81% Cu, 0.07% Co from Hole 21CCDD002 from 23m including
 - o 1m @ 11g/t Au, 1.41% Cu, 0.18% Co
- 3m @ 4.66g/t Au, 3.03% Cu, 0.11% Co from Hole 21CCDD003 from 122m including

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o 1m @ 9.52g/t Au, 2.47% Cu, 0.11% Co



ARTEMIS RESOURCES

FRA:ATY

US:ARTTF

Carlow Castle Mineral Resource Estimate

The Company is currently reviewing a new interpretation of the Carlow Castle Project via a new strategy, targeting higher-grade mineralised features. The Q3 2021 RC drill program has been designed to achieve this objective and allow the Company to clearly demonstrate the potential of the project to host a robust and significant gold, copper and cobalt resource.

SUMMARY OF 2021 TARGETS AT PATERSON CENTRAL

Exploration in 2021 at Paterson Central will commence in the central and southern portions of the licence area as shown in Figure 1. Atlas and Apollo will be the first targets to be drilled followed systematically by the remaining target areas including Juno and Voyager that lie some 8km to the North of Atlas.

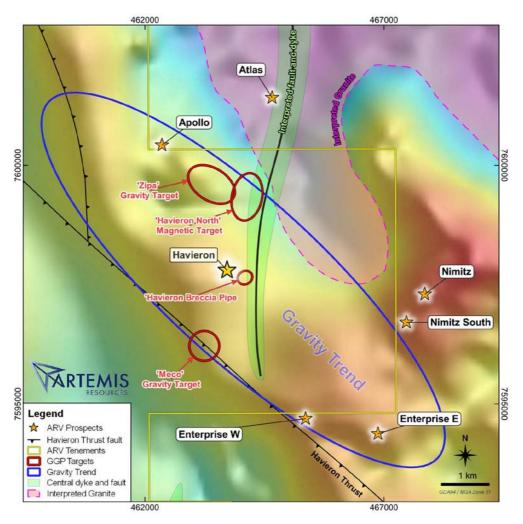


Figure 1: Central and Southern Artemis priority targets (yellow stars) over gravity Image and interpreted geology also highlighting NCM/GGP JV published regional targets (red).



SUMMARY OF DRILLING AT CARLOW CASTLE

A 60 hole RC drilling program was commenced and completed during the quarter. The holes were planned based on new interpretations for Carlow Castle Main Zone, Quod Est and Crosscut Areas to test the plunging shoots at depth, below what previously appears to be a low grade patch between the western main zone and the high grade eastern zone. The drilling was also designed to test the Good Luck and Little Fortune exploration prospects, located approximately one kilometre to the south of Carlow Castle, located in Figure 2.

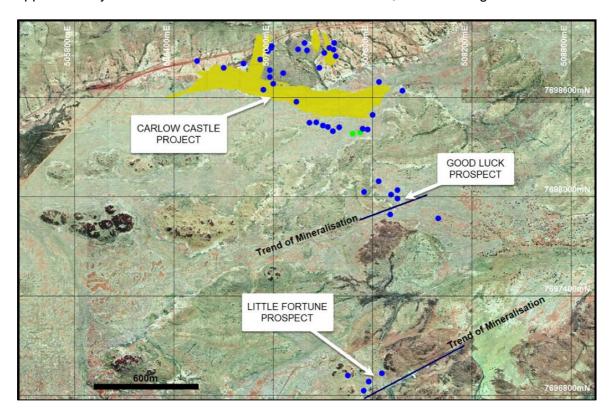


Figure 2: Location of the different project areas and drill hole collars.

RC drilling was completed on 8 September with a total of 14,725 metres drilled. As of the 30 September, results had yet to be received.

Drill statistics and completed holes are shown in Table 1.

Table 1: Drill statistics for September Quarterly

Location	No of Holes	RC (m)	Diamond (m)	No of Samples	No Samples Submitted	No Samples Received	No of Samples Outstanding
Carlow Castle	47	10,878	0	9259	9259	0	9259
Good Luck	8	1,836	0	1966	1966	0	1966
Little Fortune	7	2,011	0	2243	2243	0	2243

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Drilling the Carlow Castle main zone had intersected significant sulphide zones at interpreted pierce point target zones, as shown in Figure 3. This is an encouraging result with respect to the interpretation of Carlow.



Figure 3: Hole ARC340 (49-51m) 5% sulphides comprising pyrite and chalcopyrite with quartz carbonate veins, located in the Crosscut Zone.

The five diamond holes (holes 21CCDD001 to 005) in the Carlow Castle Eastern Zone were designed by CSA to test the orientation of the ore-zone, confirm mineralisation's widths and gather structural information to build confidence for the next round of drilling, (ASX Announcement 20 August 2021, *High Grade Intersections from Diamond Core drilled at Carlow Castle*).

ARV designed the two holes (21CCDD006 and 21CCDD007) in Crosscut for structural information and twinning an existing RC hole to confirm orientations on mineralisation direction and grade comparisons. The location of the drill collars is shown in Figure 4, with relevant sections shown from Figure 5 to 8.

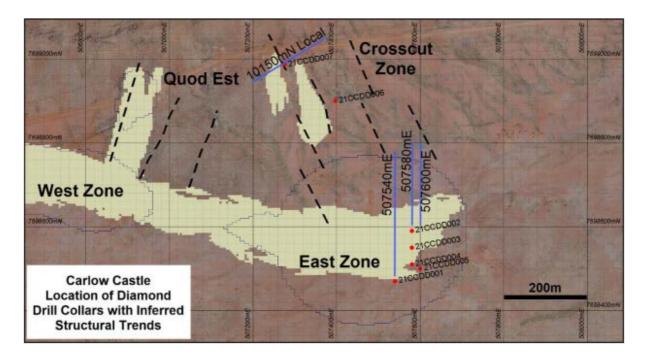


Figure 4: Location of the diamond collars in Carlow Castle East Zone and Crosscut with sectional lines for diagrams in this document.

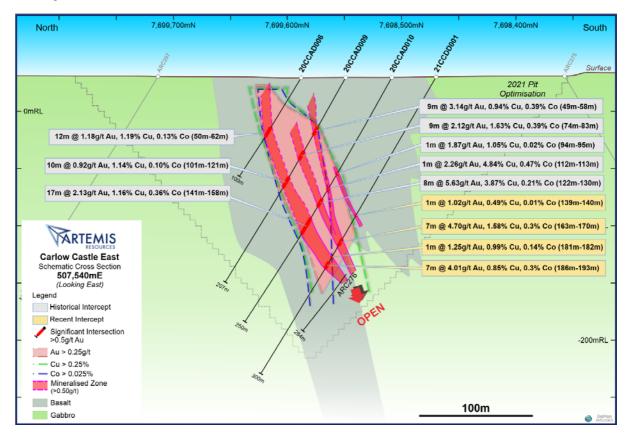


Figure 5: Section 507540 showing results for 21CCDD001

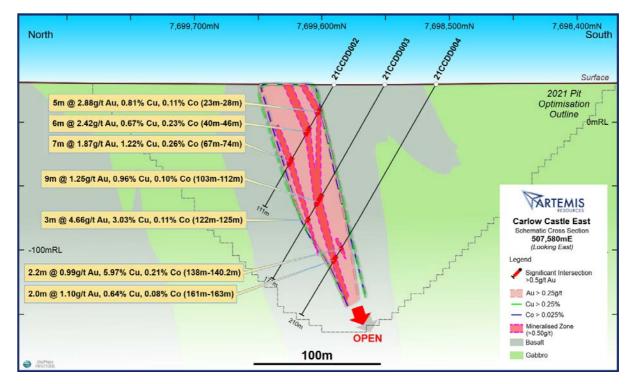


Figure 6: Section 507580mE showing results for 21CCDD002, 003 and 004

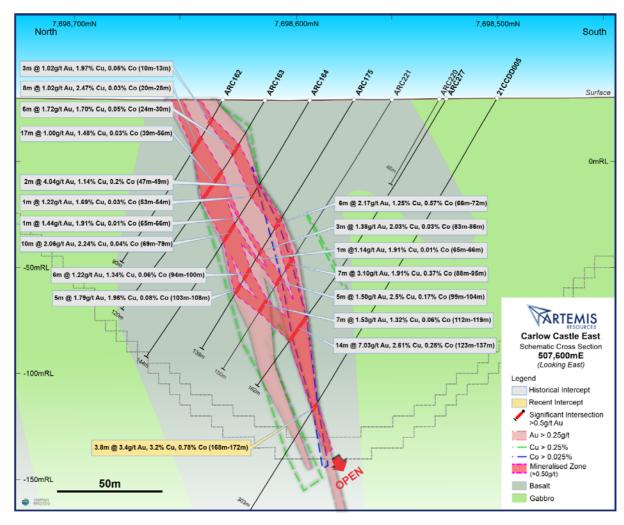


Figure 7: Section 507600mE showing results for 21CCDD005 and new interpretation of the mineralised system.

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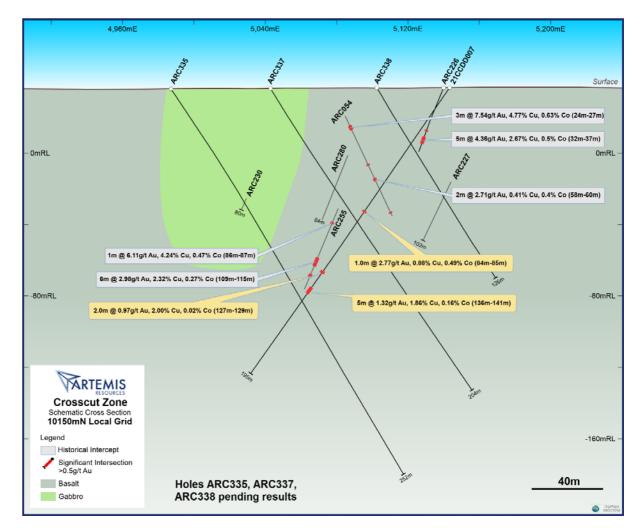


Figure 8: Section 10150mN Local Grid showing results for hole 21CCDD007 at Crosscut Zone

It was noted in drill core that mineralisation was associated with breccias that commonly coincided with pillow basalts. Higher grade zones were associated with breccias with semi-massive sulphides, with peripheral fracturing to the main zones, hosting lower grades. More massive competent basalt tended to fracture as stockworks, creating a finer veining that hosted moderate to lower grade mineralisation.

Alteration was also notably stronger in areas of pillow basalts, comprising of sericite-quartz. A later chlorite alteration is also noted, coincident with a later phase of mineralisation. Further work is in progress to understand the relationships between textures, timing and the paragenetic sequence of the mineralisation at Carlow Castle.

Results for the diamond drilling are located in Table 2:

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Table 2: Carlow Castle diamond drilling assay results averaged over significant drill intercept intervals based on 1m assay samples, intersections defined by either >0.5g/t Au or >0.5%Cu, max 2m internal dilution

Hole No	Comment	From	То	Downhole Width (m)	True Width (m)	Au (g/t)	Cu (%)	Co (%)
		163.00	170.00	7.00	6.30	4.70	1.58	0.30
21CCDD001	Including	164.00	166.00	2.00	1.80	12.00	4.37	0.86
21000001		186.00	193.00	7.00	6.30	4.01	0.85	0.30
	Including	187.00	189.00	2.00	1.80	9.72	0.94	0.61
		23.00	28.00	5.00	4.50	2.88	0.81	0.07
	Including	25.00	26.00	1.00	0.90	11.00	1.41	0.18
		40.00	46.00	6.00	5.40	2.44	0.66	0.23
21CCDD002	Including	44.00	45.00	1.00	0.90	9.12	1.08	0.63
		67.00	74.00	7.00	6.30	1.88	1.22	0.26
	Including	67.00	69.00	2.00	1.80	4.19	1.90	0.10
		103.00	112.00	9.00	8.10	1.25	0.96	0.10
		117.00	118.00	1.00	0.90	0.92	1.74	0.02
21CCDD003		122.00	125.00	3.00	2.70	4.66	3.03	0.11
	Including	124.00	125.00	1.00	0.90	9.52	2.47	0.11
		118.00	120.00	2.00	1.80	0.85	0.80	0.01
21CCDD004		138.00	140.20	2.20	1.98	0.99	5.97	0.21
		161.00	163.00	2.00	1.80	1.10	0.64	0.08
24.000,000		168.30	172.10	3.80	3.42	3.40	3.19	0.78
21CCDD005		186.00	188.00	2.00	1.80	0.68	0.84	0.08
21CCDD006	NSI							
21CCDD007		84.00	85.00	1.00	0.90	2.77	0.88	0.49
		127.00	129.00	2.00	1.80	0.97	2.00	0.02
		136.00	141.00	5.00	4.50	1.32	1.86	0.16
	Includes	139.00	141.00	2.00	1.80	1.76	2.96	0.08

True Widths are approximate only, based on known geological information and can change through additional geological interpretation

NSI = No Significant Intersections

Good Luck Prospect

Good Luck drill targeting was planned to test VTEM plates as developed by Southern Geoscience Consultants and reprocessed by Resource Potential.

A total of 8 holes were drilled for a total of 1,836m, with the collar location and drill traces showing occurrence of sulphides shown in Figure 9.

Several holes were cased with PVC to enable any future downhole geophysics.

Assay results are pending for this drilling.



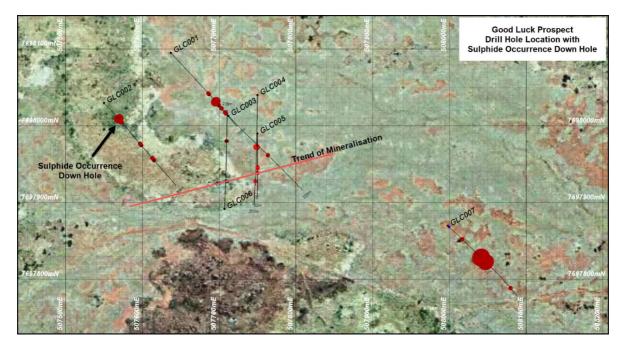


Figure 9: Diagram showing collar locations and occurrence of sulphides along drill strings for the Good Luck Prospect.

Little Fortune Prospect

Drilling here is also targeting VTEM plates, along with trends as defined by geological exposure. A total of 7 holes for 2,011 metres was drilled, as shown in Figure 10.

Sulphides were also encountered downhole, coincident with VTEM plates.

Several holes were cased with PVC to enable any future downhole geophysics.

Assay results are pending for this drilling.

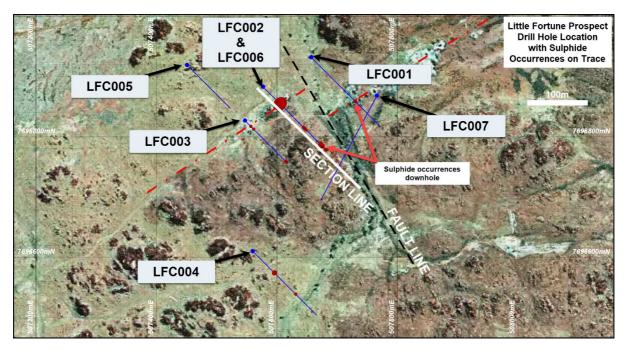


Figure 10: Diagram showing collar locations and occurrence of sulphides along drill strings for the Little Fortune Prospect. Section line locates Figure 6.



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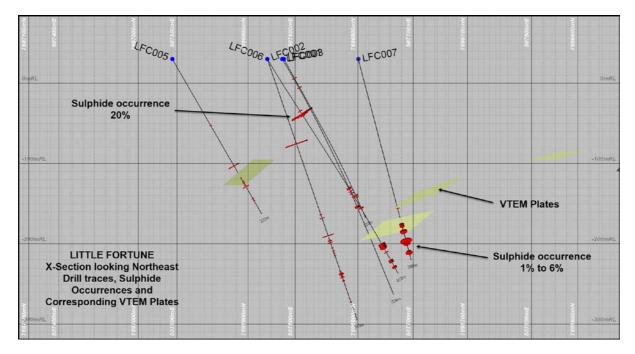


Figure 11: Cross section through Little Fortune showing the sulphide occurrence and VTEM locations. Section line shown in Figure 10.

CARLOW CASTLE MINERAL RESOURCE ESTIMATE

Work has commenced on updating the interpretation for Carlow Castle which will allow for effective geological control through definition of high-grade shoots and structures. The aim of this reinterpretation is to increase the tonnage and grade through effective drill targeting.

Work during the quarterly included:

- Interpretation of the geology and structural setting;
- Remodelling and generating additional drill targets;
- Step out drilling to add additional Au ounces and Cu tonnes to the the current resource base:
- Regional exploration review to generate new exploration targets.

The recent drill program was designed to test the new geological interpretation, with assays results yet to be received.



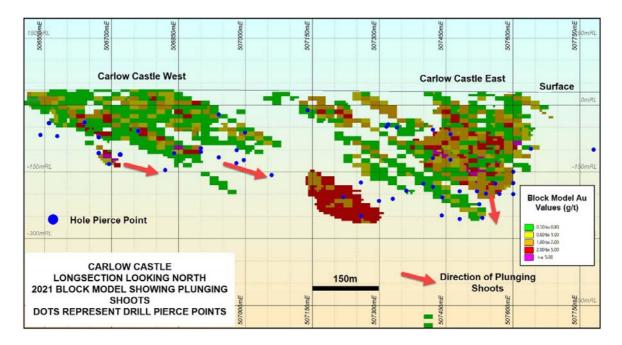


Figure 12: Longsection of Carlow Castle looking north with 2021 block model and drill hole pierce points. Note the plunging trends as highlighted by high grade blocks in block model.

DATABASE

As part of the Artemis protocol, the database is undergoing a revamp to improve security and the ability to extract data and information that will help in developing targets and add value to the company's portfolio. In this case, Expedio Data Management has been procured to securely manage Artemis data.

All drilling collars, surveys, samples, and geology data migrated from Geobank to OCRIS. Assay migration ongoing and final validation checks to ensure all available assay results have been migrated.

Expedio will run full database exports whenever new data has been added for the current drill campaign.

New coding is being developed.

CORPORATE

Health and Safety

The Company continues to comply with all State guidelines to ensure the health and safety of its workforce, contractors, and the community in which it operates.

There is currently no significant impact on operations as a result of COVID-19.

Artemis has had no Occupational Health and Safety incidences during the quarter.

The Company ended the quarter with a cash balance of \$5.1m, liquid listed investments of circa \$750,000 and proceeds of a project sale to be received in December of \$0.5m.

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Director Appointment

The Company appointed Dr Simon Dominy as an Independent Non-Executive Director of the Company on 1 July 2021.

Dr Dominy is Adjunct Professor at the Western Australian School of Mines (WASM), Curtin University, and a Visiting Associate Professor at the Camborne School of Mines (CSM), University of Exeter, UK.

Dr Dominy is a mining geologist-engineer with over 25 years' experience based in mine operations, consulting and academia and has worked on a number of gold projects in Australia particularly in WA, QLD and VIC, and across Europe, the Americas, and Africa.

Dr Dominy is a Fellow of the Australasian Institute of Mining and Metallurgy ("FAusIMM") and the Australian Institute of Geoscientists ("FAIG").

Other

The Company spent ~\$2.8 million on exploration in the quarter ended 30 June 2021, principally on the drilling programs at Carlow Castle and preparation for the Paterson's drill program outlined above.

Payments to Directors, related parties and their associates during the quarter amounted to \$180,000, being salaries, superannuation and directors' fees.



About Artemis Resources

Artemis Resources (ASX: ARV; FRA: ATY; US: ARTTF) 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 Project in the West Pilbara and the Paterson Central exploration project in the East Pilbara.

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

This report has been approved for release by the Board.

COMPETENT PERSONS STATEMENT PATERSONS RANGE:

The information in this announcement that relates to Exploration Results complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) and has been compiled and assessed under the supervision of Dr Jayson Meyers, a consultant to Artemis Resources Limited and a Director of Resource Potentials Pty Ltd. Dr Meyers is a Fellow of the Australasian Institute of Geoscientists. He 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 JORC Code. Dr Meyers consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears. Dr Meyers does not hold securities in the Company.

COMPETENT PERSONS STATEMENT WEST PILBARA:

The information in this announcement that relates to Exploration Results is based on information compiled or reviewed by Steve Boda, who is a Member of the Australasian Institute of Geoscientists (AIG). 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.



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Tenement List - All tenements are located in Western Australia.

Project	Tenement	Status	Company
Purdy's Reward	L47/782	Pending	KML No 2 Pty Ltd
Carlow Castle	E47/1797	Live	KML No 2 Pty Ltd
	P47/1929	Live	KML No 2 Pty Ltd
Ruth Well	E47/3719	Live	KML No 2 Pty Ltd
Ruth Well	E47/3487 ¹	Live	Elysian Resources Pty Ltd
	E47/3341 ¹	Live	Hard Rock Resources Pty Ltd
47 Patch	E47/3361 ¹	Live	Elysian Resources Pty Ltd
	E47/35641	Live	Elysian Resources Pty Ltd
	E47/3340 ¹	Live	Hard Rock Resources Pty Ltd
	E47/33901	Live	Hard Rock Resources Pty Ltd
Elysian / Hard	P47/1832 ¹	Live	Hard Rock Resources Pty Ltd
Rock	P47/1881 ¹	Live	Hard Rock Resources Pty Ltd
	E47/35341	Live	Jindalee Resources Pty Ltd
	E47/35351	Pending	Jindalee Resources Pty Ltd
	P47/1833 ¹	Pending	Jindalee Resources Pty Ltd
	L47/163	Live	Fox Radio Hill Pty Ltd
Whundo	M47/7	Live	Fox Radio Hill Pty Ltd
	M47/9	Live	Fox Radio Hill Pty Ltd
	M47/161	Live	Fox Radio Hill Pty Ltd
Radio Hill	M47/337	Live	Fox Radio Hill Pty Ltd
	L47/93	Live	Fox Radio Hill Pty Ltd
Weerianna	M47/223 ²	Live	Western Metals Pty Ltd

Silica Hills	L47/781	Pending	KML No 2 Pty Ltd
	E47/1746	Live	KML No 2 Pty Ltd
Telfer	E45/5276	Live	Armada Mining Pty Ltd
Sing Well	P47/1622	Live	KML No 2 Pty Ltd
Sing Well	P47/1112	Live	KML No 2 Pty Ltd
Nickol River	P47/1126	Live	KML No 2 Pty Ltd
NICKOI KIVEI	P47/1925	Live	KML No 2 Pty Ltd
	E47/3322	Live	Karratha Metals Pty Ltd
	M47/123 ³	Live	Platina Resources Ltd
Munni Munni	M47/124 ³	Live	Platina Resources Ltd
	M47/125 ³	Live	Platina Resources Ltd
	M47/126 ³	Live	Platina Resources Ltd

^{1-70%} Artemis - Karratha Gold Joint Venture

^{2 - 80%} Artemis

^{3 – 70%} Artemis – Joint Venture with Platina Resources

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Artemis Resources Limited		
ABN Quarter ended ("current quarter")		
80 107 051 749	30 September 2021	

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	1	1
1.2	Payments for		
	(a) exploration & evaluation	-	-
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	-	-
	(e) administration and corporate costs	(848)	(848)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	3	3
1.8	Other (fees relating to asset sales)	-	-
1.9	Net cash from / (used in) operating activities	(844)	(844)

2.	Ca	sh flows from investing activities		
2.1	Pa	yments to acquire or for:		
	(a)	entities	-	-
	(b)	tenements	-	-
	(c)	property, plant and equipment	(65)	(65)
	(d)	exploration & evaluation	(2,813)	(2,813)
	(e)	investments	(224)	(224)
	(f)	other non-current assets	-	-

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (3 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities		
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	Net cash from / (used in) investing activities	(3,102)	(3,102)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(35)	(35)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	(35)	(35)

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	9,082	9,082
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(844)	(844)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(3,102)	(3,102)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(35)	(35)

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (3 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	(1)	(1)
4.6	Cash and cash equivalents at end of period	5,100	5,100

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	97	7,081
5.2	Call deposits	5,003	2,001
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	5,100	9,082

Payments to related parties of the entity and their associates	Current quarter \$A'000
Aggregate amount of payments to related parties and their associates included in item 1	180
Aggregate amount of payments to related parties and their associates included in item 2	-
	Aggregate amount of payments to related parties and their associates included in item 1 Aggregate amount of payments to related parties and their

Note: Items in 6.1 include payments for directors fees and payments to their associated entities for services provided to the company.

7.	Financing facilities Note: the term "facility' includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	-
7.5	Unused financing facilities available at quarter end		
7.6	Include in the box below a description of each facility above, including the lender, interestrate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

)
(844)
(2,813)
(3,657)
5,100
-
5,100
1.4

Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.

- 8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:
 - 8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

Answer: The Company expects reduced expenditure in the next two quarters as the Company shifts the programme from Carlow Castle to Paterson Central.

No drilling is planned at Carlow Castle for the next two quarters – while the Company reviews the data from the previous programme and produces a revised mineral resource estimate.

8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

Answer: The Company has liquid investments of \$0.75m and will receive \$0.5m from project sale in December. In addition the Company expects that proceeds from additional non-core asset sales will generate sufficient cash to enable it to fund its exploration programme through to the end of FY 2022.

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: See 8.8.2

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date:	29 October 2021
Dale.	23 0010001 2021

Authorised by: The Board

(Name of body or officer authorising release - see note 4)

Notes

- 1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- 2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
- 4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
- 5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.