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Artemis Resources Limited
19 March 2025

The information contained within this announcement is deemed to constitute inside information as stipulated under the Market Abuse Regulation ("MAR") (EU) No. 596/2014, as incorporated into UK law by the European Union (Withdrawal) Act 2018. Upon the publication of this announcement, this inside information is now considered to be in the public domain.

19 March 2025

PILBARA GOLD - CARLOW TENEMENT PHASE ONE DRILLING COMPLETED

Artemis Resources Limited ("Artemis" or "the Company") (ASX/AIM:ARV) is pleased to announce completion of the first phase of drilling (reported on 28 January 2025) to test three previously undrilled, high priority gold targets on the Carlow Tenement.

Highlights

- Five diamond holes were completed during Phase 1 for a total 1,790m drilled
- Drilling tested three high priority gold targets within a >4km long corridor centred around the Company's Carlow gold/copper deposit
- Target areas drilled:
  - Titan gold prospect, 2km northwest of the Carlow deposit
  - Marillion EM target, 800m east of the Carlow deposit
  - Potential extensions down plunge from the Carlow deposit
- All three holes at Titan intersected a wide zone of hydrothermal alteration and veining in an ultramafic sequence down dip from a surface gold occurence[1]
- The base of the Titan ultramafic sequence is intruded by a porphyry sill and overlies strongly altered, brecciated and veined metasediments and chert
- pXRF[2] readings of drill core from Titan recorded at 1m intervals across the alteration zone identified highly elevated levels of arsenic in all three holes
- Arsenic can be associated with gold mineralisation, notably in the emerging north Pilbara gold province and including at Artemis's Carlow deposit
- Re-modelling of geophysical data confirms the Titan holes were drilled across a regional northwest trending structure with no previous drilling
- Both drill holes completed at the Marillion and Carlow extension targets intersected zones of vein hosted, stringer and semi massive sulphides
- Numerous samples of drill core from the five drill holes have been sent for assay with results expected in coming weeks
- **Note[1] - Refer to previous Artemis announcements regarding surface gold occurrences at Titan Prospect, listed in Table 1 in this announcement**
- **Note[2] - The following Disclaimer relates to pXRF readings referred to in this announcement, listed in Table 2 and further defined in JORC Table 1:**

  "The exploration results reported herein include portable X-ray fluorescence (pXRF) measurements, which are considered preliminary and semi-quantitative in nature. The pXRF data have not been verified by independent laboratory assays. The pXRF results should not be considered as a substitute for traditional laboratory analysis, and caution should be exercised when interpreting these results. The Competent Person has reviewed the data and believes the data provide a reasonable indication of geochemical signature of certain geological units subject to confirmation by further analytical methods.

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certain geological units subject to confirmation by further analytical methods.

Commenting on the drilling program, Managing Director Julian Hanna said:

"I am pleased to report completion of the Phase 1 drilling program targeting gold at the Carlow Tenement in line with our announcement on 28 January 2025. Five holes for a total of 1,790m were drilled at the Titan prospect, the Marillion conductor and as an initial test of possible extensions down plunge from the Carlow deposit.

The drilling program was successful for several reasons. Firstly, it provided very encouraging early indications from the Titan prospect where high-grade surface gold occurrences[1] were announced in 2024 from samples of quartz/ironstone veins and chert outcrops in four different areas at Titan. While we await assay results to confirm if gold has been intersected at Titan, wide zones of alteration, quartz veining and brecciation were reported in drill core from the three holes drilled to date.

Visual observations of hydrothermal-type alteration and intensive veining at Titan are supported by systematic pXRF[2] readings of drill core from the three Titan holes. pXRF readings[2] include highly elevated arsenic values (up to 3,460ppm arsenic)directly above the contact between an ultramafic sequence and an interpreted porphyry intrusion. (Refer to Figure 4 and Table 2). If gold is associated with arsenic at Titan, this may open-up potential well beyond the area drilled to date.

Drilling at Marillion and Carlow was also successful, intersecting several zones of vein hosted, stringer and semi-massive pyrrhotite with locally visible chalcopyrite sulphide within the target basalt and underlying chert sequence.

Overall, this initial drilling program is already changing our understanding of the geological and structural setting as well as the wider gold potential of this highly mineralised area. Numerous samples from the five diamond holes have been sent for assay and we look forward to announcing results in the near future."

Drilling Summary

The Phase I drilling program commenced in early February using locally based drilling contractor West Core Drilling. Diamond drilling started from surface and was effective in providing drill core through the surface oxidation profile, hydrothermal alteration zones and into silicified metasediments which include quartz veins and chert units. Five drill holes were completed over a five-week period for a total 1,790m drilled.

Three holes were drilled as an initial test of the Titan gold prospect located 2km northwest of the Carlow deposit. The holes were drilled down dip from one of four known surface gold occurrences[1] discovered in 2024. (Refer to Figures 3 and 4).

pXRF readings[2] of the Titan drill core taken at 1m intervals has defined a continuous zone with elevated levels of arsenic near the base of an ultramafic sequence which displays local spinifex textures, green chrome micas and elevated chromium in pXRF readings[2]. (Refer to Figure 4 and Table 2). Assays are awaited to determine if gold is associated with the elevated arsenic in pXRF readings[2] in the three Titan drill holes.

In addition to Titan, one hole was drilled to test the large Marillion EM conductor 800m east of the Carlow deposit, and one hole was drilled to scope out the potential for extensions down plunge from previous high-grade gold intersections in the Carlow deposit. (Refer to Figure 5). The Marillion and Carlow extension holes both intersected zones of visible pyrrhotite sulphide containing local intervals of chalcopyrite within the target basalt and chert sequence.

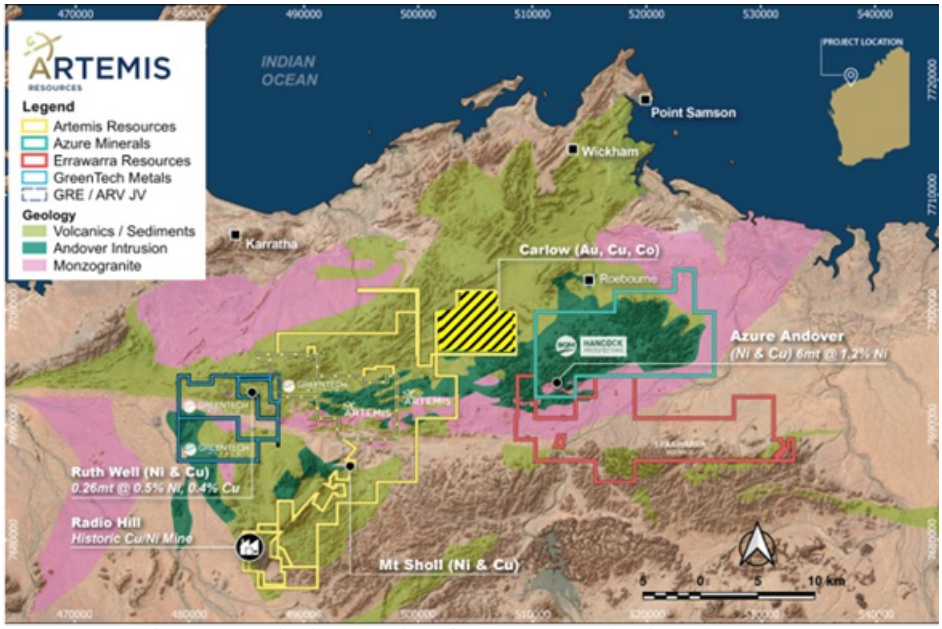
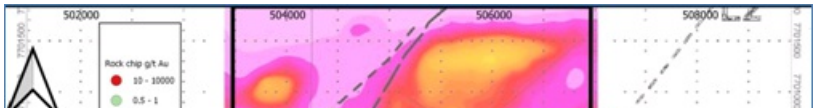


Figure 1: Artemis tenements in Pilbara region of Western Australia with Carlow Tenement hatched



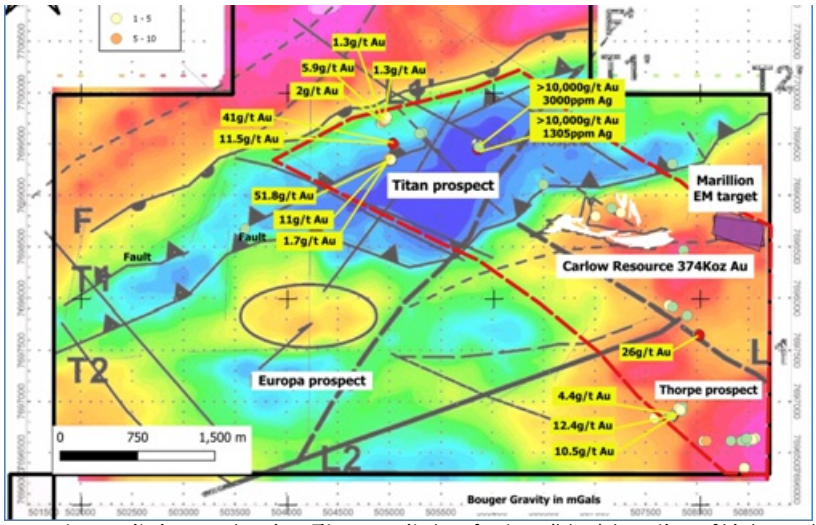


Figure 2: Carlow Tenement - gravity image showing: Titan gravity low feature (blue), location of high-grade surface gold occurrences[1] sampled from quartz/Fe veins and chert outcrops, area of recent drilling at Titan (yellow circle), outline of Carlow deposit and Marillion EM target.

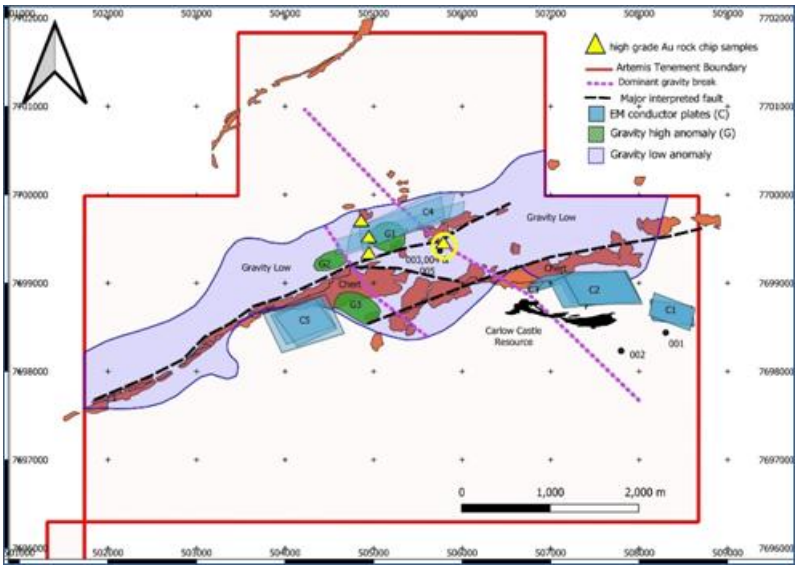
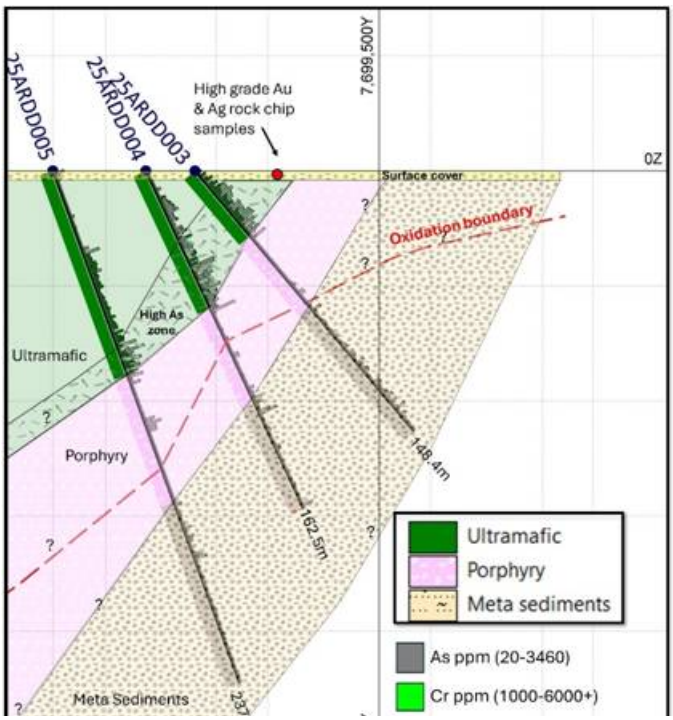


Figure 3: Carlow Tenement - interpreted key elements of the Regal thrust zone showing: chert outcrops (brown), major thrusts (black), Titan gravity-low feature (purple) extending >7km across Carlow Tenement, area of recent drilling at Titan (yellow circle), interpreted gravity-high anomalies (G1-G3) and EM conductive plates (C1-C5).



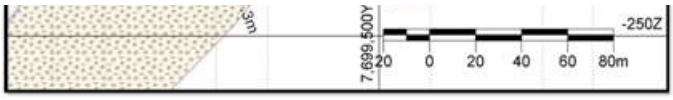


Figure 4: Titan drill section - interpreted cross section looking north-west showing three sequences interpreted from drill core and the high arsenic zone based on pXRF readings[2]. (Refer to Table 2)

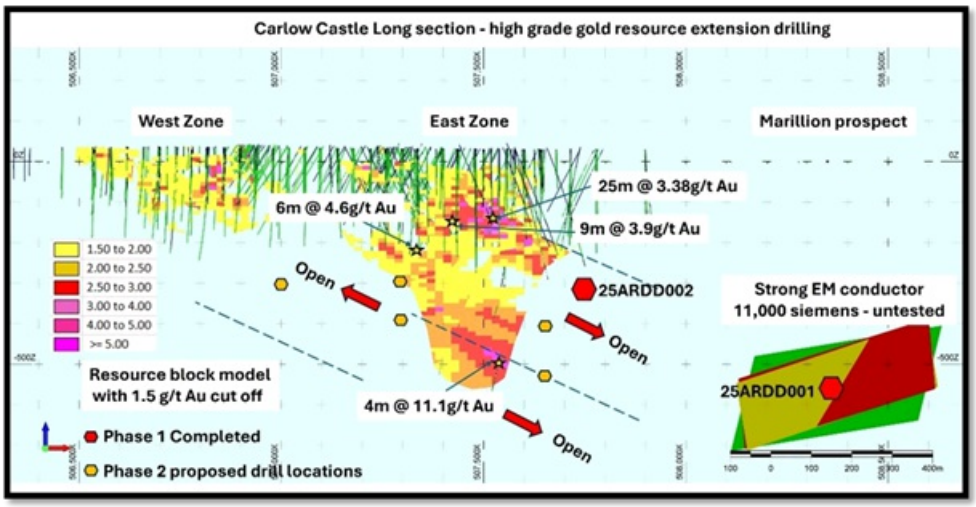


Figure 5. Long section through Carlow gold/copper deposit and Marillion Electro Magnetic (EM) conductor showing the two diamond drill holes completed in the Phase 1 program.

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Competent Person Statement

The information in this report that relates to Exploration Results was compiled by Mr Julian Hanna, a Competent Person who is a member of the Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Hanna is Managing Director of Artemis Resources Ltd and 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 Hanna consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

No New Information

To the extent that this announcement contains references to prior exploration results 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.

About Artemis Resources

Artemis Resources (ASX/AIM:ARV) is a gold, copper and lithium focused resources company with a highly attractive suite of projects in Western Australia's underexplored North Pilbara Gold Province.

- **Attractive projects:**
  - Gold/Copper - The Karratha Gold Project (100%) with multiple prospects including the Carlow gold/copper project and The Paterson Gold/Copper Project.
  - Lithium - Mt Marie Lithium and Osborne East prospects (100%), & Osborne Lithium JV (49%);
- **Highly strategic location:** Tier 1 jurisdiction, close proximity to major hub at Karratha including regional rail and road infrastructure, administrative centre and the Dampier Port
- **Significant exploration upside:** highly prospective tenure package in the Pilbara Region of Western Australia which is the next frontier for battery minerals growth
- **Mineral Resource with growth potential:** existing high-grade gold-copper-cobalt Inferred Mineral Resource at Carlow (100%-owned tenure)
- **Established processing site at Radio Hill:** strategically located, fully permitted
- **IOCG Exploration Target:** Artemis has applied for a 340km^2 exploration licence over a large interpreted magnetic intrusion considered prospective for IOCG type copper/gold, located 440km east of Kalgoorlie. The application is expected to be granted in mid 2025

Note 1: Artemis ASX announcements relating to surface rock chip results from the *Karratha Gold Project* 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

Appendix

Table 1: *Drill hole details.*

Project	HoleID	Easting	Northing	Grid	Azi	Dip	EOH
Carlow Extensions	25ARDD002	507832	7698267	GDA94 MGA zone 50	340	-50	527.4
Marillion	25ARDD001	508346	7698466	GDA94 MGA zone 50	0	-70	714.6
Titan East	25ARDD003	505827	7699444	GDA94 MGA zone 50	45	-50	148.4
Titan East	25ARDD004	505812	7699429	GDA94 MGA zone 50	45	-65	162.5
Titan East	25ARDD005	505783	7699400	GDA94 MGA zone 50	45	-70	237.3

Hole ID	From	To	As_ppm	As error	Cr_ppm	Cr Error
25ARDD003	0	1	22	2	902	44
25ARDD003	1	2	<LOD	8	1806	55
25ARDD003	2	3	<LOD	6	407	29
25ARDD003	3	4	23	2	2547	49
25ARDD003	4	5	11	1	346	25
25ARDD003	5	6	16	1	1868	45
25ARDD003	6	7	34	2	5183	74
25ARDD003	7	8	6	1	405	30
25ARDD003	8	9	45	2	2584	55
25ARDD003	9	10	116	3	5226	70
25ARDD003	10	11	8	1	1804	47
25ARDD003	11	12	88	2	6010	82
25ARDD003	12	13	302	4	3540	59
25ARDD003	13	14	316	5	3108	53
25ARDD003	14	15	270	4	2208	48
25ARDD003	15	16	653	8	1171	42
25ARDD003	16	17	289	5	4413	68
25ARDD003	17	18	253	3	3275	43
25ARDD003	18	19	192	4	2339	52
25ARDD003	19	20	95	2	2509	47
25ARDD003	20	21	106	3	3486	62
25ARDD003	21	22	75	2	1151	35
25ARDD003	22	23	326	4	1528	35
25ARDD003	23	24	231	4	1141	34
25ARDD003	24	25	111	3	4292	66
25ARDD003	25	26	257	4	2572	46
25ARDD003	26	27	199	4	2057	56
25ARDD003	27	28	601	8	2380	48
25ARDD003	28	29	630	8	2337	47
25ARDD003	29	30	775	10	2527	52
Hole ID	From	To	As_ppm	As error	Cr_ppm	Cr Error
25ARDD003	60	61	<LOD		621	
25ARDD003	61	62	9	1	599	24
25ARDD003	62	63	6	2	667	19
25ARDD003	63	64	15	3	575	24
25ARDD003	64	65	6	4	1203	39
25ARDD003	65	66	37	3	1061	16

Hole ID	From	To	As_ppm	As erro
25ARDD003	30	31	91	
25ARDD003	31	32	357	
25ARDD003	32	33	8	
25ARDD003	33	34	175	
25ARDD003	34	35	60	
25ARDD003	35	36	275	
25ARDD003	36	37	62	
25ARDD003	37	38	20	
25ARDD003	38	39	459	
25ARDD003	39	40	10	
25ARDD003	40	41	7	
25ARDD003	41	42	5	
25ARDD003	42	43	<LOD	
25ARDD003	43	44	<LOD	
25ARDD003	44	45	4	
25ARDD003	45	46	<LOD	
25ARDD003	46	47	<LOD	
25ARDD003	47	48	<LOD	
25ARDD003	48	49	16	
25ARDD003	49	50	<LOD	
25ARDD003	50	51	<LOD	
25ARDD003	51	52	<LOD	
25ARDD003	52	53	<LOD	
25ARDD003	53	54	<LOD	
25ARDD003	54	55	<LOD	
25ARDD003	55	56	<LOD	
25ARDD003	56	57	4	
25ARDD003	57	58	<LOD	
25ARDD003	58	59	<LOD	
25ARDD003	59	60	<LOD	
Hole ID	From	To	As_ppm	As erro
25ARDD003	90	91	9	
25ARDD003	91	92	23	
25ARDD003	92	93	8	
25ARDD003	93	94	8	
25ARDD003	94	95	36	
25ARDD003	95	96	12	

25ARDD003	66	67	15	3	627	26
25ARDD003	67	68	12	2	622	25
25ARDD003	68	69	10	3	273	17
25ARDD003	69	70	50	2	610	22
25ARDD003	70	71	55	4	544	16
25ARDD003	71	72	6	3	432	16
25ARDD003	72	73	9	2	196	17
25ARDD003	73	74	<LOD	5	57	19
25ARDD003	74	75	<LOD	6	<LOD	82
25ARDD003	75	76	<LOD	1	88	77
25ARDD003	76	77	4	1	<LOD	19
25ARDD003	77	78	7	1	69	23
25ARDD003	78	79	13	3	142	42
25ARDD003	79	80	104	3	1407	31
25ARDD003	80	81	24	2	601	33
25ARDD003	81	82	6	1	526	71
25ARDD003	82	83	4	1	<LOD	23
25ARDD003	83	84	4	5	342	19
25ARDD003	84	85	<LOD	1	140	20
25ARDD003	85	86	<LOD	4	93	18
25ARDD003	86	87	28	2	397	23
25ARDD003	87	88	<LOD	5	111	20
25ARDD003	88	89	6	1	249	21
25ARDD003	89	90	<LOD	5	412	24
Hole ID	**From**	**To**	**As_ppm**	**As error**	**Cr_ppm**	**Cr Error**
25ARDD003	120	121	50	2	535	27
25ARDD003	121	122	67	2	533	27
25ARDD003	122	123	45	2	568	26
25ARDD003	123	124	18	1	712	27
25ARDD003	124	125	25	2	603	28
25ARDD003	125	126	32	1	614	28
25ARDD003	126	127	40	2	657	30
25ARDD003	127	128	46	2	661	29
25ARDD003	128	129	83	2	392	25
25ARDD003	129	130	31	2	685	31
25ARDD003	130	131	13	1	200	22
25ARDD003	131	132	83	2	376	24
25ARDD003	132	133	4	1	361	25
25ARDD003	133	134	7	1	233	22
25ARDD003	134	135	33	2	434	25
25ARDD003	135	136	149	3	689	29
25ARDD003	136	137	5	1	523	29
25ARDD003	137	138	14	1	261	22
25ARDD003	138	139	48	2	512	27
25ARDD003	139	140	11	1	452	29
25ARDD003	140	141	29	2	353	25
25ARDD003	141	142	10	1	543	28
25ARDD003	142	143	5	1	458	26
25ARDD003	143	144	<LOD	5	233	22
25ARDD003	144	145	4	1	575	29
25ARDD003	145	146	9	1	406	26
25ARDD003	146	147	<LOD	5	279	23
25ARDD003	147	148	3	1	734	32
25ARDD003	148	148.4	<LOD	5	533	27
25ARDD004	0	1	11	1	654	37
Hole ID	**From**	**To**	**As_ppm**	**As error**	**Cr_ppm**	**Cr Error**
25ARDD004	31	32	4	1	479	20
25ARDD004	32	33	34	3	343	119
25ARDD004	33	34	84	2	14175	22
25ARDD004	34	35	49	3	442	60
25ARDD004	35	36	62	4	5034	60
25ARDD004	36	37	127	4	5158	38
25ARDD004	37	38	138	3	2289	26
25ARDD004	38	39	107	1	601	17
25ARDD004	39	40	33	2	215	86
25ARDD004	40	41	95	1	7243	81
25ARDD004	41	42	7	2	6705	25

25ARDD003	96	97	11	
25ARDD003	97	98	12	
25ARDD003	98	99	18	
25ARDD003	99	100	35	
25ARDD003	100	101	35	
25ARDD003	101	102	10	
25ARDD003	102	103	11	
25ARDD003	103	104	5	
25ARDD003	104	105	43	
25ARDD003	105	106	40	
25ARDD003	106	107	25	
25ARDD003	107	108	3	
25ARDD003	108	109	14	
25ARDD003	109	110	88	
25ARDD003	110	111	42	
25ARDD003	111	112	7	
25ARDD003	112	113	31	
25ARDD003	113	114	53	
25ARDD003	114	115	43	
25ARDD003	115	116	7	
25ARDD003	116	117	3	
25ARDD003	117	118	21	
25ARDD003	118	119	19	
25ARDD003	119	120	<LOD	
Hole ID	**From**	**To**	**As_ppm**	**As erro**
25ARDD004	1	2	6	
25ARDD004	2	3	8	
25ARDD004	3	4	17	
25ARDD004	4	5	<LOD	
25ARDD004	5	6	4	
25ARDD004	6	7	<LOD	
25ARDD004	7	8	<LOD	
25ARDD004	8	9	<LOD	
25ARDD004	9	10	45	
25ARDD004	10	11	8	
25ARDD004	11	12	<LOD	
25ARDD004	12	13	9	
25ARDD004	13	14	7	
25ARDD004	14	15	48	
25ARDD004	15	16	49	
25ARDD004	16	17	65	
25ARDD004	17	18	105	
25ARDD004	18	19	139	
25ARDD004	19	20	136	
25ARDD004	20	21	216	
25ARDD004	21	22	53	
25ARDD004	22	23	45	
25ARDD004	23	24	49	
25ARDD004	24	25	63	
25ARDD004	25	26	9	
25ARDD004	26	27	29	
25ARDD004	27	28	11	
25ARDD004	28	29	96	
25ARDD004	29	30	94	
25ARDD004	30	31	167	
Hole ID	**From**	**To**	**As_ppm**	**As erro**
25ARDD004	61	62	107	
25ARDD004	62	63	107	
25ARDD004	62	63	107	
25ARDD004	63	64	158	
25ARDD004	64	65	48	
25ARDD004	65	66	9	
25ARDD004	66	67	16	2
25ARDD004	67	68	3079	
25ARDD004	68	69	26	
25ARDD004	69	70	9	
25ARDD004	70	71	3	

25ARDD004	42	43	68	1	568	64
25ARDD004	43	44	27	2	4798	39
25ARDD004	44	45	104	1	2124	57
25ARDD004	45	46	20	20	3544	66
25ARDD004	46	47	2695	22	5924	44
25ARDD004	47	48	2434	3	2720	32
25ARDD004	48	49	173	10	884	67
25ARDD004	49	50	1212	3	6998	60
25ARDD004	50	51	213	5	4670	41
25ARDD004	51	52	623	3	3221	49
25ARDD004	52	53	257	3	3652	36
25ARDD004	53	54	240	3	2199	45
25ARDD004	54	55	161	5	2657	63
25ARDD004	55	56	338	2	4156	31
25ARDD004	56	57	75	12	757	33
25ARDD004	57	58	1002	1	1334	52
25ARDD004	58	59	21	4	2481	51
25ARDD004	59	60	284	4	2645	51
25ARDD004	60	61	223	3	3876	73

Hole ID	From	To	As_ppm	As error	Cr_ppm	Cr Error
25ARDD004	90	91	8	1	648	27
25ARDD004	91	92	20	1	502	37
25ARDD004	92	93	11	1	1043	43
25ARDD004	93	94	10	2	961	32
25ARDD004	94	95	20	1	768	28
25ARDD004	95	96	6	1	512	87
25ARDD004	96	97	<LOD	7	<LOD	29
25ARDD004	97	98	16	2	428	25
25ARDD004	98	99	22	1	463	24
25ARDD004	99	100	<LOD	5	448	23
25ARDD004	100	101	6	1	355	25
25ARDD004	101	102	21	1	553	25
25ARDD004	102	103	8	1	497	26
25ARDD004	103	104	4	1	460	26
25ARDD004	104	105	53	2	475	23
25ARDD004	105	106	22	1	348	22
25ARDD004	106	107	31	1	344	23
25ARDD004	107	108	21	1	410	26
25ARDD004	108	109	9	1	387	33
25ARDD004	109	110	103	2	833	28
25ARDD004	110	111	22	1	497	26
25ARDD004	111	112	81	2	476	25
25ARDD004	112	113	24	1	359	41
25ARDD004	113	114	23	1	1282	21
25ARDD004	114	115	15	1	126	23
25ARDD004	115	116	193	3	307	24
25ARDD004	116	117	744	8	328	27
25ARDD004	117	118	15	1	392	27
25ARDD004	118	119	9	1	422	23
25ARDD004	119	120	6	1	199	27

Hole ID	From	To	As_ppm	As error	Cr_ppm	Cr Error
25ARDD004	150	151	27	2	503	29
25ARDD004	151	152	<LOD	5	590	22
25ARDD004	152	153	<LOD	5	147	26
25ARDD004	153	154	<LOD	6	379	25
25ARDD004	154	155	3	1	356	25
25ARDD004	155	156	5	1	355	21
25ARDD004	156	157	<LOD	5	174	21
25ARDD004	157	158	<LOD	5	111	24
25ARDD004	158	159	<LOD	5	312	21
25ARDD004	159	160	<LOD	5	128	30
25ARDD004	160	161	157	3	628	26
25ARDD004	161	162	8	1	442	103
25ARDD005	0	1	24	2	315	23
25ARDD005	1	2	114	3	256	24
25ARDD005	2	3	39	2	379	27
25ARDD005	3	4	15	1	323	23

25ARDD004	71	72	6	
25ARDD004	72	73	3	
25ARDD004	73	74	9	
25ARDD004	74	75	9	
25ARDD004	75	76	<LOD	
25ARDD004	76	77	23	
25ARDD004	77	78	6	
25ARDD004	78	79	10	
25ARDD004	79	80	5	
25ARDD004	80	81	30	
25ARDD004	81	82	<LOD	
25ARDD004	82	83	<LOD	
25ARDD004	83	84	22	
25ARDD004	84	85	7	
25ARDD004	85	86	14	
25ARDD004	86	87	<LOD	
25ARDD004	87	88	5	
25ARDD004	88	89	54	
25ARDD004	89	90	55	

Hole ID	From	To	As_ppm	As erro
25ARDD004	120	121	12	
25ARDD004	121	122	<LOD	
25ARDD004	122	123	5	
25ARDD004	123	124	27	
25ARDD004	124	125	33	
25ARDD004	125	126	6	
25ARDD004	126	127	<LOD	
25ARDD004	127	128	7	
25ARDD004	128	129	<LOD	
25ARDD004	129	130	5	
25ARDD004	130	131	5	
25ARDD004	131	132	23	
25ARDD004	132	133	43	
25ARDD004	133	134	32	
25ARDD004	134	135	21	
25ARDD004	135	136	6	
25ARDD004	136	137	12	
25ARDD004	137	138	20	
25ARDD004	138	139	17	
25ARDD004	139	140	11	
25ARDD004	140	141	5	
25ARDD004	141	142	14	
25ARDD004	142	143	12	
25ARDD004	143	144	<LOD	
25ARDD004	144	145	<LOD	
25ARDD004	145	146	5	
25ARDD004	146	147	5	
25ARDD004	147	148	12	
25ARDD004	148	149	5	
25ARDD004	149	150	<LOD	

Hole ID	From	To	As_ppm	As erro
25ARDD005	18	19	<LOD	
25ARDD005	19	20	19	
25ARDD005	20	21	4	
25ARDD005	21	22	32	
25ARDD005	22	23	16	
25ARDD005	23	24	9	
25ARDD005	24	25	8	
25ARDD005	25	26	5	
25ARDD005	26	27	22	
25ARDD005	27	28	51	
25ARDD005	28	29	4	
25ARDD005	29	30	<LOD	
25ARDD005	30	31	<LOD	
25ARDD005	31	32	<LOD	
25ARDD005	32	33	4	
25ARDD005	33	34	<LOD	

25ARDD005	4	5	32	4	183	22
25ARDD005	5	6	<LOD	6	531	31
25ARDD005	6	7	<LOD	5	743	33
25ARDD005	7	8	3	1	372	28
25ARDD005	8	9	<LOD	6	559	31
25ARDD005	9	10	<LOD	6	852	36
25ARDD005	10	11	<LOD	5	267	23
25ARDD005	11	12	4	1	677	31
25ARDD005	12	13	<LOD	6	417	29
25ARDD005	13	14	4	1	642	31
25ARDD005	14	15	7	1	813	33
25ARDD005	15	16	<LOD	5	417	26
25ARDD005	16	17	12	1	639	30
25ARDD005	17	18	<LOD	5	489	28
Hole ID	**From**	**To**	**As_ppm**	**As error**	**Cr_ppm**	**Cr Error**
25ARDD005	48	49	145	1	2462	46
25ARDD005	49	50	26	2	2177	56
25ARDD005	50	51	46	1	2869	46
25ARDD005	51	52	13	1	2335	41
25ARDD005	52	53	4	1	1776	50
25ARDD005	53	54	25	1	2568	57
25ARDD005	54	55	22	1	2323	58
25ARDD005	55	56	6	1	3432	35
25ARDD005	56	57	4	5	1365	35
25ARDD005	57	58	<LOD	1	1149	36
25ARDD005	58	59	13	5	1358	37
25ARDD005	59	60	<LOD	1	1623	44
25ARDD005	60	61	5	5	1930	35
25ARDD005	61	62	<LOD	5	1409	45
25ARDD005	62	63	<LOD	5	2188	41
25ARDD005	63	64	<LOD	4	1837	38
25ARDD005	64	65	<LOD	5	1977	46
25ARDD005	65	66	<LOD	1	2817	38
25ARDD005	66	67	3	5	1980	39
25ARDD005	67	68	<LOD	5	1802	40
25ARDD005	68	69	<LOD	2	1828	65
25ARDD005	69	70	5	1	4107	40
25ARDD005	70	71	20	1	1815	42
25ARDD005	71	72	5	2	2121	59
25ARDD005	72	73	6	1	2813	51
25ARDD005	73	74	7	1	3102	50
25ARDD005	74	75	7	5	3167	26
25ARDD005	75	76	<LOD	1	430	77
25ARDD005	76	77	22	1	7222	42
25ARDD005	77	78	9	1	1726	56
Hole ID	**From**	**To**	**As_ppm**	**As error**	**Cr_ppm**	**Cr Error**
25ARDD005	108	109	4	1	<LOD	75
25ARDD005	109	110	11	1	<LOD	71
25ARDD005	110	111	7	1	<LOD	67
25ARDD005	111	112	3	1	<LOD	68
25ARDD005	112	113	4	1	<LOD	68
25ARDD005	113	114	21	2	<LOD	99
25ARDD005	114	115	3	1	<LOD	76
25ARDD005	115	116	<LOD	5	<LOD	72
25ARDD005	116	117	132	3	<LOD	96
25ARDD005	117	118	61	2	<LOD	98
25ARDD005	118	119	424	5	<LOD	87
25ARDD005	119	120	100	2	<LOD	87
25ARDD005	120	121	105	3	151	18
25ARDD005	121	122	92	2	<LOD	92
25ARDD005	122	123	16	2	<LOD	88
25ARDD005	123	124	<LOD	6	<LOD	89
25ARDD005	124	125	<LOD	6	<LOD	89
25ARDD005	125	126	7	1	160	21
25ARDD005	126	127	6	1	<LOD	83
25ARDD005	127	128	7	1	<LOD	85
25ARDD005	128	129	9	1	<LOD	83
25ARDD005	129	130	21	1	<LOD	78

25ARDD005	34	35	4	
25ARDD005	35	36	15	
25ARDD005	36	37	16	
25ARDD005	37	38	59	
25ARDD005	38	39	5	1
25ARDD005	39	40	471	
25ARDD005	40	41	22	
25ARDD005	41	42	9	
25ARDD005	42	43	5	
25ARDD005	43	44	5	
25ARDD005	44	45	95	
25ARDD005	45	46	30	
25ARDD005	46	47	23	
25ARDD005	47	48	71	
Hole ID	**From**	**To**	**As_ppm**	**As erro**
25ARDD005	78	79	41	
25ARDD005	79	80	<LOD	
25ARDD005	80	81	7	
25ARDD005	81	82	5	1
25ARDD005	82	83	951	
25ARDD005	83	84	85	
25ARDD005	84	85	130	3
25ARDD005	85	86	3460	
25ARDD005	86	87	185	
25ARDD005	87	88	260	
25ARDD005	88	89	207	
25ARDD005	89	90	861	
25ARDD005	90	91	113	
25ARDD005	91	92	174	
25ARDD005	92	93	387	
25ARDD005	93	94	5	
25ARDD005	94	95	75	
25ARDD005	95	96	49	
25ARDD005	96	97	358	
25ARDD005	97	98	24	
25ARDD005	98	99	24	
25ARDD005	99	100	122	
25ARDD005	100	101	<LOD	
25ARDD005	101	102	<LOD	
25ARDD005	102	103	<LOD	
25ARDD005	103	104	4	
25ARDD005	104	105	12	
25ARDD005	105	106	7	
25ARDD005	106	107	10	
25ARDD005	107	108	5	
Hole ID	**From**	**To**	**As_ppm**	**As erro**
25ARDD005	138	139	<LOD	
25ARDD005	139	140	4	
25ARDD005	140	141	9	
25ARDD005	141	142	5	
25ARDD005	142	143	6	
25ARDD005	143	144	<LOD	
25ARDD005	144	145	4	
25ARDD005	145	146	<LOD	
25ARDD005	146	147	4	
25ARDD005	147	148	<LOD	
25ARDD005	148	149	4	
25ARDD005	149	150	<LOD	
25ARDD005	150	151	<LOD	
25ARDD005	151	152	4	
25ARDD005	152	153	<LOD	
25ARDD005	153	154	4	
25ARDD005	154	155	<LOD	
25ARDD005	155	156	57	1
25ARDD005	156	157	<LOD	
25ARDD005	157	158	6	
25ARDD005	158	159	<LOD	
25ARDD005	159	160	<LOD	

Hole ID	From	To	As_ppm	As error	Cr_ppm	Cr Error
25ARDD005	130	131	9	1	<LOD	84
25ARDD005	131	132	7	1	74	20
25ARDD005	132	133	9	1	<LOD	90
25ARDD005	133	134	9	1	<LOD	82
25ARDD005	134	135	<LOD	6	<LOD	81
25ARDD005	135	136	5	1	<LOD	78
25ARDD005	136	137	9	1	77	19
25ARDD005	137	138	6	1	<LOD	92
25ARDD005	168	169	7	1	449	27
25ARDD005	169	170	13	1	349	25
25ARDD005	170	171	71	2	582	30
25ARDD005	171	172	16	1	197	22
25ARDD005	172	173	38	2	655	30
25ARDD005	173	174	<LOD	5	180	22
25ARDD005	174	175	4	1	200	22
25ARDD005	175	176	20	1	301	24
25ARDD005	176	177	<LOD	5	331	26
25ARDD005	177	178	14	1	520	29
25ARDD005	178	179	56	2	599	30
25ARDD005	179	180	89	2	939	36
25ARDD005	180	181	203	3	547	30
25ARDD005	181	182	6	1	219	23
25ARDD005	182	183	5	1	429	27
25ARDD005	183	184	<LOD	5	173	22
25ARDD005	184	185	<LOD	5	176	22
25ARDD005	185	186	<LOD	5	98	20
25ARDD005	186	187	4	1	276	24
25ARDD005	187	188	4	1	606	31
25ARDD005	188	189	<LOD	6	657	31
25ARDD005	189	190	25	2	391	26
25ARDD005	190	191	<LOD	6	492	29
25ARDD005	191	192	5	1	365	27
25ARDD005	192	193	9	1	788	33
25ARDD005	193	194	<LOD	6	532	30
25ARDD005	194	195	5	1	608	30
25ARDD005	195	196	<LOD	5	682	31
25ARDD005	196	197	<LOD	5	317	25
25ARDD005	197	198	<LOD	5	96	20

Hole ID	From	To	As_ppm	As erro
25ARDD005	160	161	6	
25ARDD005	161	162	13	
25ARDD005	162	163	<LOD	
25ARDD005	163	164	15	
25ARDD005	164	165	<LOD	
25ARDD005	165	166	<LOD	
25ARDD005	166	167	69	
25ARDD005	167	168	16	
25ARDD005	198	199	<LOD	
25ARDD005	199	200	6	
25ARDD005	200	201	<LOD	
25ARDD005	201	202	<LOD	
25ARDD005	202	203	9	
25ARDD005	203	204	7	
25ARDD005	204	205	31	
25ARDD005	205	206	6	
25ARDD005	206	207	<LOD	
25ARDD005	207	208	7	
25ARDD005	208	209	<LOD	
25ARDD005	209	210	4	
25ARDD005	210	211	<LOD	
25ARDD005	211	212	<LOD	
25ARDD005	212	213	4	
25ARDD005	213	214	6	
25ARDD005	214	215	<LOD	
25ARDD005	215	216	28	
25ARDD005	216	217	<LOD	
25ARDD005	217	218	6	
25ARDD005	218	219	6	
25ARDD005	219	220	6	

Table 2: pXRF readings showing As and Cr values from Titan Drilling (25ARDD003-25ARDD005) - pending laboratory assays.

JORC Code, 2012 Edition - Table 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• Portable XRF has been used drill core • Portable XRF is calibrated d • Portable XRF results were u mineralization purposes, wit mineralization. Highest As v as a guide for lithological co units, the highest value reco • Half core drill samples were Perth Laboratory for analysis • These were exploratory drill mineralization associated wi conductor plates, and exten • Selective sampling was con and 25ARDD005 holes targe the onsite geology team. • 25ARDD003-004 have been
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other*	• Diamond drill hole 25ARDD with a pre-collar HQ core fro 714.6m

Criteria	JORC Code explanation	Commentary
	type, whether core is oriented and if so, by what method, etc).	• Diamond drill hole 25ARDDC with a pre collar HQ core fro at 527.4m • Diamond drill hole 25ARDDC with a pre collar HQ core fro at 148.4m. • Diamond drill hole 25ARDDC and was drilled HQ to end of • Diamond drill hole 25ARDDC and was drilled HQ from surf • A Sandvik DE-710 track mou West Core was used.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Core recovery has been mea sample intervals recovered. • Diamond core has been rec checked against the depths • The geologist visually asses recorded and were generally • The core was recovered usir placed into core trays, • Only selected intervals of co
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• All five holes were geologica other features. The level of g nature and limitations of this • The drilling was supervised b using experienced geologica Geoscience. • These are isolated explorato results unsuitable for Resou from this program would con Resource Estimation. • Data relating to the geologic was entered in a database a located at Karratha. • Selected samples will be se to confirm lithological descri
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• The mineralized sections of half core samples sent for a • Where core loss was encou samplers were composited, • The samples were then sent sample preparation and anal techniques. • The sample sizes were appr investigated.
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.* •	• Laboratory Certified Referen blanks, splits and replicates by the laboratory. These qua the sample values in their fir analysed to confirm anomalo • Assay results from the samp •
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• Drill collar data, sample infor yet to be completed, compil the person conducting the lo • Data is stored electronically Resources.

Criteria	JORC Code explanation	Commentary
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• A hand held DGPS will be u the drill hole. • Down hole orientation survey approximately 30m intervals hole had been completed. • The grid system used is GD
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• The samples have been take drilled to test and identify th conductor (25ARDD001), hig Carlow Castle deposit (25AF mineralization at Titan based (25ARDD003-25ARDD005)
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• The regional stratigraphy an have an East-West strike ar stratigraphy has a steep dip • Sampling bias is not conside sampling of these explorator within both drill holes to the ongoing investigation and is • The true orientation of miner however, this is not the case drill orientation on sample bi undertaken.
Sample security	• *The measures taken to ensure sample security.*	• All drill samples collected fr Resources directly to the AL • Sample security was not co Only employees or contracte the collection, short term st samples.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No formal audits or reviews h technique and data to date.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The drill holes are part of a larger program being entirely conducted on E47/1797 held 100% by Artemis Resources. • The tenement lies within the Ngarluma Native Title claim, with Heritage clearance having been completed. There is no heritage issues associated with the drill sites. • The Tenement is in good standing with no known impediments.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	For previous exploration history please refer to Artemis announcement 13th October 2022.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• For previous description of geology for Carlow Castle mineral resource, refer to Artemis announcement 13th October 2022.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* ○ *easting and northing of the drill hole collar* ○ *elevation or RL (Reduced Level - elevation above sea level in metres) of the drill hole collar* ○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	• The drill hole collar locations are shown in diagrams in the body of the release. Drilling was conducted at the natural land surface. Elevation of the drill hole to be determined from a handheld DGPS instrument with an accuracy of +/- 0.1m. • Diamond drill hole 25ARDD001 was drilled at 70^0 dip and 0^0 azimuth, depth hole is 714.6m • Diamond drill hole 25ARDD002 was drilled at 60^0 dip and 340^0 azimuth, depth of hole is 527.4m • Diamond drill hole 25ARDD003 was drilled at 50^0 dip and 045^0 azimuth depth of hole is 148.4m. • Diamond drill hole 25ARDD004 was drilled at 65^0 dip and 045^0 azimuth depth of hole is 162,5m

Criteria	JORC Code explanation	Commentary
		• Diamond drill hole 25ARDD005 was drilled at 70^0 dip and 045^0 depth of hole is 237.3m
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• No data aggregation was used in this report.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• The holes drilled were exploratory in nature and the relationship between the reported minerals and the angle of the drill holes is not known precisely. No mineralisation intercepts have been reported in this document.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• The drilling has been tabulated into a generalised section.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• No assay results have been received for any of the mineralised drill samples.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples - size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• The drill holes were designed to test a number of targets including an EM conductor plate, high grade mineralisation trends to the east of Carlow and extent to high grade surface rock chip samples.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• On receipt of analytical results from ALS Global, Artemis will evaluate the results in combination with geological and structural data to determine whether follow up drilling is required at the three targets described in this announcement.

END

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