

CARLOW CASTLE METALLURGICAL UPDATE

27 November 2018

Gravity gold and high copper-gold concentrates produced

**ASX : ARV
FRANKFURT : ATY
U.S. OTCQB : ARTTF**

**GOLD, COBALT
AND COPPER IN THE
WEST PILBARA**

ARTEMIS RESOURCES LIMITED IS AN AUSTRALIAN MINERAL DEVELOPER ADVANCING ITS WEST PILBARA BASE, BATTERY AND PRECIOUS METALS ASSETS TOWARDS PRODUCTION.

ARTEMIS HAS CONSOLIDATED A MAJOR LAND HOLDING IN THE WEST PILBARA AND IS THE 100% OWNER OF THE RADIO HILL OPERATIONS AND PROCESSING INFRASTRUCTURE, STRATEGICALLY LOCATED 30 KM FROM THE CITY OF KARRATHA, THE POWERHOUSE OF THE PILBARA.

**WANT TO KNOW MORE
ABOUT ARTEMIS?**

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Artemis Resources Limited (“Artemis”) is pleased to provide an update on the metallurgical programme underway on the company’s Carlow Castle Au-Cu-Co Project in the Pilbara region of Western Australia.

- **Preliminary metallurgical testwork on the Carlow Castle Au-Cu-Co Project is focussed upon recovery of:**
 - **Gold** – from both gravity and leaching processes to produce a gold product suitable for smelting and production of gold dore, and
 - **Copper and Cobalt** – via conventional flotation to produce separate copper and cobalt concentrates
- **Preliminary results from two Carlow Castle metallurgical composites are summarised below:**

Metallurgical Parameter	Units	COM-01 avg grade	COM-02 high grade
Gravity recoverable gold (GRG)	% Au _R	48	32
Copper concentrate recovery	% Cu	77	82
Copper concentrate grade	% Cu	26	31
Au recovery to Copper concentrate	% Au _R	27	32
Au grade in Copper concentrate	Au g/t	19	41
Total Au Recovery to date *	% Au _R	75	64

* Gold not recovered via gravity or copper concentrate will report forward to cobalt flotation and conventional leach – testwork pending.

- **Options to maximise the total gold and copper recovery are being investigated now**
- **Cobalt flotation testwork is at an early stage - the focus of this programme is reagent screening to maximise cobalt recovery**
- **Results of this programme are expected in December with reporting post evaluation of all assay data.**

Artemis Chief Executive Officer Wayne Bramwell commented;

“This first pass metallurgical programme indicates Carlow Castle is amenable to low cost gravity gold recovery and base metal flotation processes. The high grade copper concentrates (with gold credits) produced are encouraging and cobalt flotation is now progressing.”

OVERVIEW

Artemis is currently undertaking preliminary metallurgical testwork on the Carlow Castle Au-Cu-Co Project (**Figure 1**) at Ammtec Laboratories in Western Australia. The focus of this initial programme is to test the amenability of the deposit to gravity and flotation processes with a view to maximising recovery of gold, copper and cobalt.

Preliminary testing to date has been undertaken on composite metallurgical samples from Carlow Castle. The metallurgical samples include two 100kg composites of HQ diamond core, sampled from drillholes CCAD001 to CCAD012 (refer ASX release 15 October 2018), with quarter core submitted for testwork that fairly represents ‘average’ and ‘high-grade’ ore from Carlow Castle. Analysis of these composites depicts:

- there is a gravity recoverable gold component suitable for processing into gold doré
- the balance of the non-gravity gold is expected to be recovered into flotation concentrates as a by-product credit or by a conventional leach; and
- cobalt minerals are expected to be recovered via conventional flotation processes with reagent screening underway focussed upon maximising cobalt recovery.

LOOKING FOWARD

Results of this programme are expected in December with reporting post evaluation of all assay data. The results of the metallurgical testwork programme will provide Artemis with a basis to commence discussions with offtake partners enabling the commencement of a scoping study in Q1, 2019.

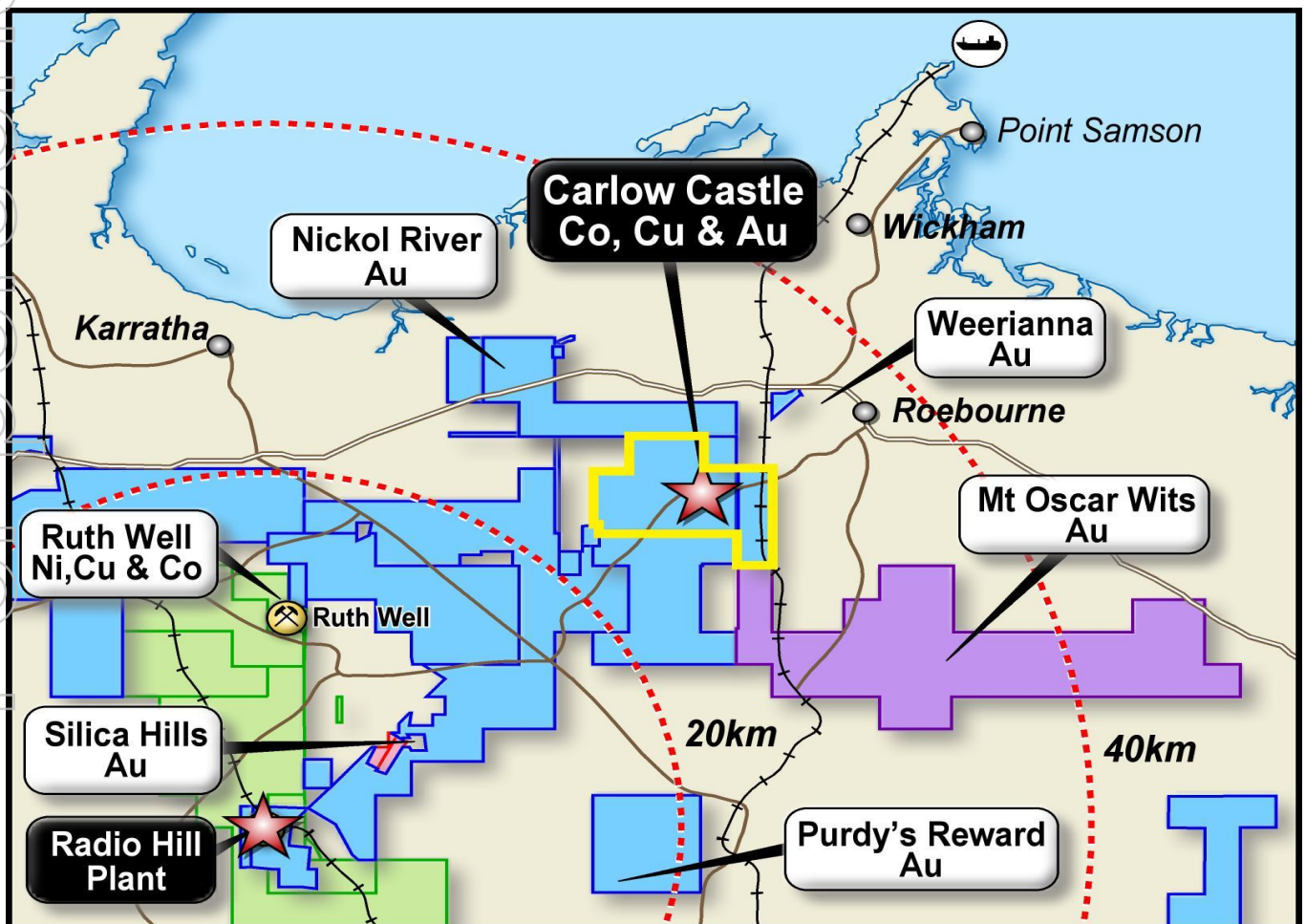


Figure 1: Carlow Castle Location Map

For further information on this update or the Company generally, please visit our website at www.artemisresources.com.au or contact:

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BACKGROUND INFORMATION ON ARTEMIS RESOURCES

Artemis Resources Limited is an exploration and development company focussed on its large ($\approx 2,600$ km²) and prospective base, battery and precious metals assets in the Pilbara region of Western Australia. Artemis owns 100% of the 500,000 tpa Radio Hill processing plant and infrastructure, located approximately 35 km south of the city of Karratha.

The Company is evaluating 2004 and 2012 JORC Code compliant resources of gold, nickel, copper-cobalt, PGE's and zinc, all situated within a 40 km radius of the Radio Hill plant.

Artemis have signed Definitive Agreements with Novo Resources Corp. ("Novo"), which is listed on Canada's TSX Venture Exchange (TSXV:NVO), and pursuant to the Definitive Agreements, Novo has satisfied its expenditure commitment, and earned 50% of gold (and other minerals necessarily mined with gold) in conglomerate and/or paleoplacer style mineralization in Artemis' tenements within 100 km of the City of Karratha, including at Purdy's Reward ("the Gold Rights"). The Gold Rights do not include:

- (i) gold disclosed in Artemis' existing (at 18 May 2017) JORC Code Compliant Resources and Reserves; or
- (ii) gold which is not within conglomerate and/or paleoplacer style mineralization; or
- (iii) minerals other than gold.

Artemis' Mt Oscar tenement is excluded from the Definitive Agreements. The Definitive Agreements cover 36 tenements / tenement applications that are 100% owned by Artemis.

Pursuant to Novo's successful earn-in, two 50:50 joint ventures have been formed between Novo's subsidiary, Karratha Gold Pty Ltd ("Karratha Gold") and two subsidiaries of Artemis (KML No 2 Pty Ltd and Fox Radio Hill Pty Ltd). The joint ventures are managed as one by Karratha Gold with Artemis and Novo contributing to further exploration and any mining of the Gold Rights on a 50:50 basis.

FORWARD LOOKING STATEMENTS AND IMPORTANT NOTICE

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations, estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of Artemis' control.

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