

Mt Clement-Paulsen's Gold Project
Commencement of Exploration and Metallurgical Test work

Highlights:

- ✓ Exploration programme and metallurgical test work to commence on the Mt Clement-Paulsen's Gold Project located only 35km south of Northern Star Resources' Paulsen's Gold Mine.
- ✓ Current identified Resource (JORC 2004)¹ already identified of 1.131 Million tonnes (Mt) @ 1.77 grams/tonne gold (g/t Au) and 17 grams per tonne Silver (g/t Ag) for a contained 64,400 ounces (oz) Au and 618,500 oz Ag mineralisation open at depth and along strike.
- ✓ 8.2 km² tenement package comprising three approved Mining Leases.
- ✓ Mining Leases cover the identified gold resource which have been native title cleared.
- ✓ Mining Leases with an area of 8.2km² 80% owned by Artemis with Northern Star Resources owing 20% under a joint venture agreement.

Artemis Resources Limited (ASX: ARV) has resolved, after a recent technical review, that it intends to re-commence an exploration drilling programme designed to increase the known gold resources at its Mt Clements-Paulsen's Gold Project located only 35 kilometres south of Northern Star Resources' (ASX: NST) operational Paulsens Gold Mine in the Ashburton Basin of Western Australia. The Paulsens Mine produced 80,742 oz of gold for the year ended 30 June 2016.

In accordance with Listing Rule 5.23.2, Artemis confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement¹ referred to below, and that in the case of mineral resources that all material assumptions and technical parameters underpinning the estimates in the announcement referred to continue to apply and have not materially changed.

Previous drilling by Artemis back in 2010/11 returned excellent drilling results, including 7m @ 4.23g/t Au, 6m @ 8.8g/t Au, 20m @ 7.3g/t Au, 24m @ 3.4g/t Au, 20m @ 1.99g/t Au, 13m @ 2.61g/t Au, 6m @ 3.30g/t Au, 70m @ 1.49g/t Au, 11m @ 4.76g/t Au. See below for further details.

David Lenigas, Artemis's Chairman, commented:

"The geological model for the Mt Clement-Paulsen's Gold Project has changed substantially since the last assessment was done over 5 years ago, and Artemis plans to commence drilling again as soon as a Programme of Work has been approved by the Department of Mines and Petroleum. Artemis have a highly prospective tenement package only a small proportion of which has been previously explored in such a prolific gold production area, and we are seeking to add to the known resource base within the Mining Leases. At today's gold price, the company is optimistic that the surface oxide material may be amenable to heap leach gold and silver extraction and metallurgical extraction test work will now form part of this next phase of work on the Project."

Artemis, as manager, is in joint venture with Northern Star Resources with Artemis holding an 80% interest in the three approved Mining Leases with Northern Star Resources holding 20% which is free carried to Bankable Feasibility Study.

Previous Resource Estimates and Drilling Highlights:

As previously announced by the company in July 2011, Artemis commissioned Apex Geoscience to complete a mineral resource estimate for the Mt Clement Project. This resource estimate utilised all existing data, and was derived from a total of 90 RC and diamond drill holes. This resource estimation resulted in an Inferred Resource of 1.131Mt @ 1.77 g/t Au and 17.0 g/t Ag for a contained 64,400 oz Au and 618,500 oz Ag, compliant with the JORC Code (2004)¹. This resource estimate was calculated using a cut-off grade of 0.5 g/t Au. Au-Ag mineralisation remains open at depth and along strike, indicating strong potential to substantially increase these resources with further drilling. The work to be undertaken by the Company will also include the upgrading of the resource estimate so that it is JORC (2012) compliant.

In 2010/11, Artemis drilled 20 Reverse Circulation ("RC") drill holes, with the most encouraging results returning:

- 7m @ 4.23g/t Au (ARMCRC001, 12-19m)
- 6m @ 8.8g/t Au (ARMCRC001, 106-112m)
- 20m @ 7.3g/t Au (ARMCRC007, 86-106m)
- 24m @ 3.4g/t Au (ARMCRC008, 43-67m)
- 20m @ 1.99g/t Au & 66.82g/t Ag (ARMCRC011, 39-59m)
- 13m @ 2.61g/t Au & 357.15g/t Ag (ARMCRCD005 27-40m)
- 6m @ 3.30g/t Au (ARMCRCD005, 70-76m)
- 70m @ 1.49g/t Au (ARMCRCD006, 0-70m)
- 11m @ 4.76g/t Au, 270.60g/t Ag & 1.17% Cu (ARMCRC013, 97-108m)

Drill hole intercepts are shown in Figure 1.

Note: For full details of the 2011 resource statement and significant drilling, please refer to Artemis' news release dated 26 July 2011.

Next Steps:

In order to advance the project a Programme of Work (POW) will be submitted to the Department of Mines and Petroleum for drilling. The drilling will be used for metallurgical studies to see if the oxide is easily amenable to heap leaching, conversion of the resource to JORC 2012, and to potentially increase the resource category and confidence levels.

Artemis will also look to generate further drill targets with either an electromagnetic survey or an Induced Polarisation survey.

¹ Mt Clement Inferred Resource previously reported in ASX Announcement dated 26 July 2011

Tenure:

The Mt Clement Gold Project comprises three Mining Leases, (M08/191, M08/192, and M08/193). In total this tenement package, as shown in Figure 2, covers a total area of 8.2 km².

Artemis Resources Limited is the registered holder and operator of all of these tenements. Mining Leases M08/191, M08/192 and M08/193 were granted on 10th of May 1999 for a period of 21 years.

Mining Leases M08/191, M08/192, and M08/193 are under a Joint Venture agreement with Northern Star Resources Limited, the operator and manager of the nearby Paulsen's Gold Mine. Under this agreement, Artemis holds an 80% interest, and is the operator of the project, with Northern Star holding a 20% interest, which is free carried to Bankable Feasibility Study.

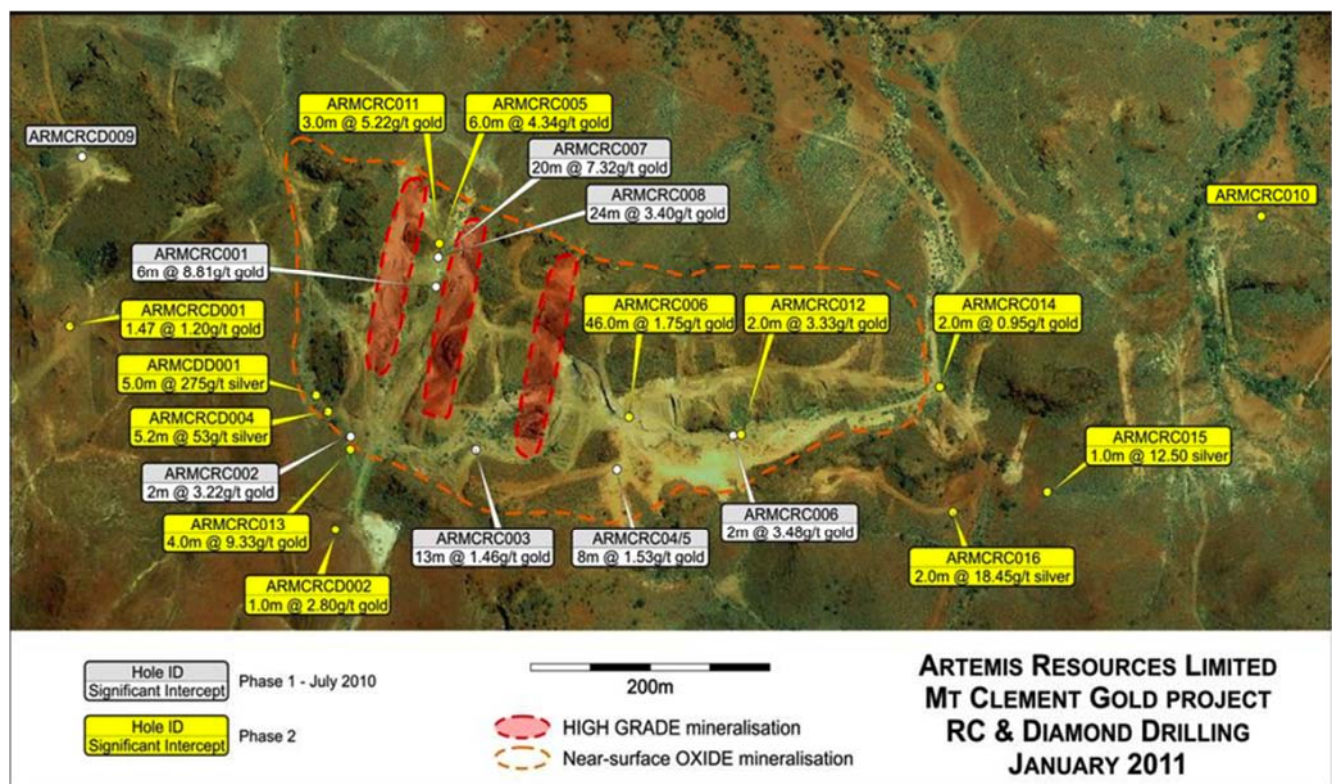


Figure 1: Mt Clements-Paulsens: Drill holes and best intercepts.

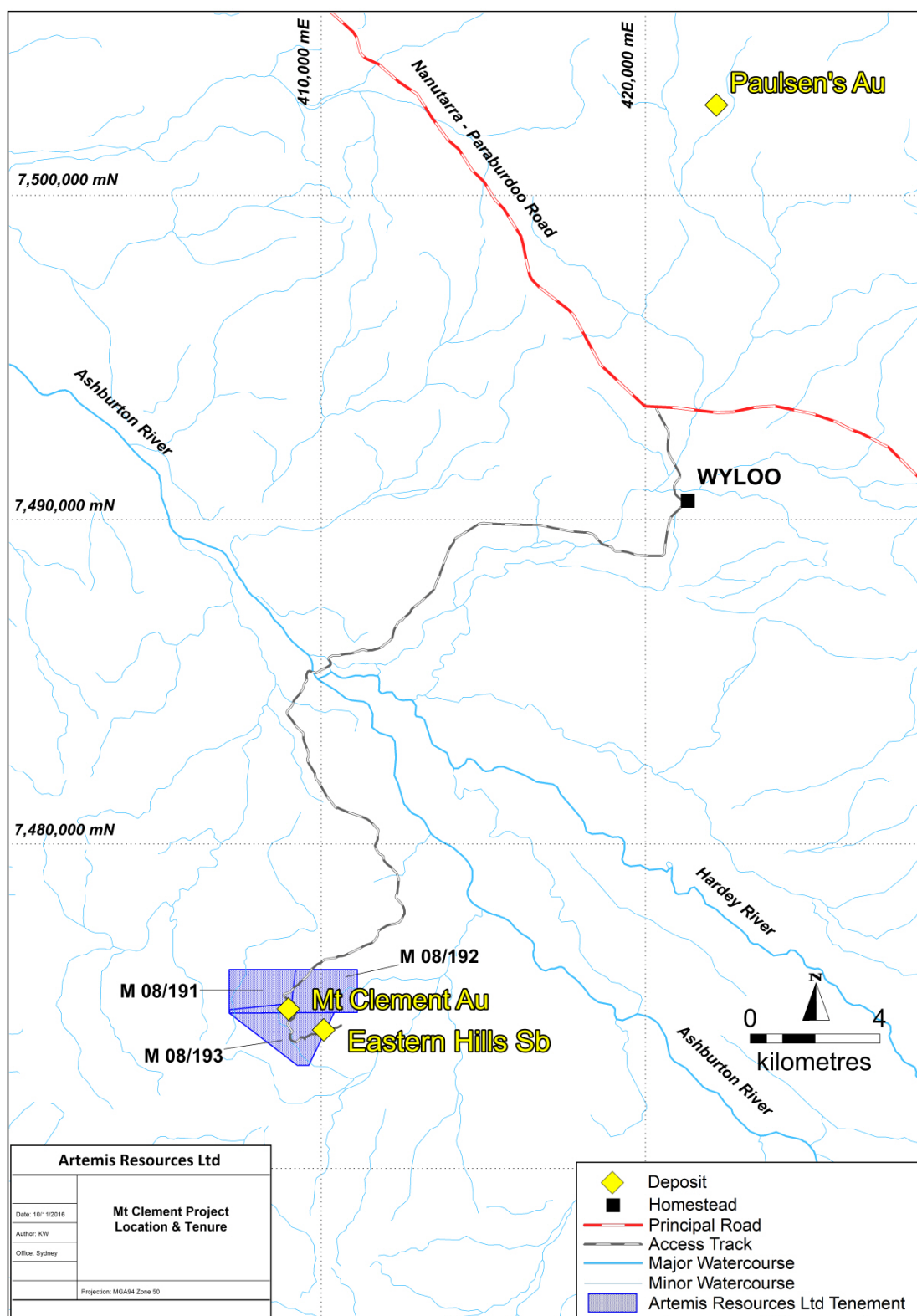


Figure 2: Mt Clement Project Location and Tenure

ABOUT ARTEMIS RESOURCES

Artemis Resources Limited is a resources exploration company with a focus on its prospective West Pilbara (gold, base metals, platinum and platinum group elements) and Mt Clements (gold and antimony) projects in Western Australia. These projects have only recently been consolidated into Artemis and offer significant exploration potential with close proximity to existing infrastructure.

For further information, please contact:

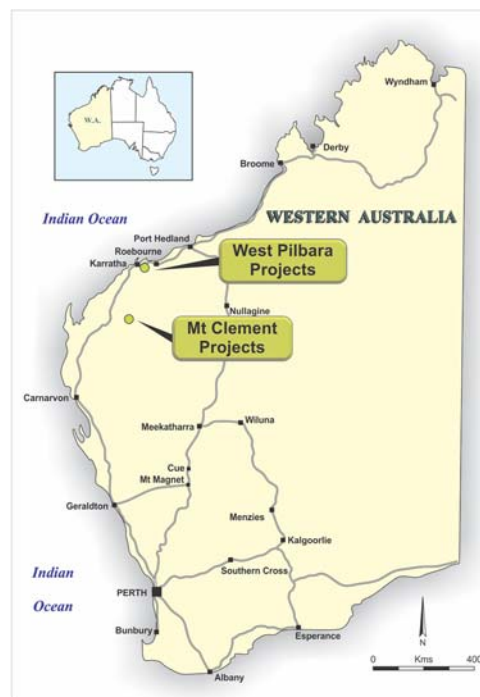
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Competent Person Statements

The information in this document that relates to Exploration Results and Exploration Targets is based on information compiled or reviewed by Edward Mead, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Mead is a Director of Artemis Resources Limited and is a consultant to the Company, and is employed by Doralada Pty Ltd. Mr Mead has sufficient experience which 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 Mead consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

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