



**TREK METALS LIMITED**

ARBN: 124 462 826

**MAIL:**

PO Box 1796, West Perth WA 6872 Australia

**EMAIL:**

[info@trekmetals.com.au](mailto:info@trekmetals.com.au)

[www.trekmetals.com.au](http://www.trekmetals.com.au)

**ASX Announcement**

27 November 2017

## AMENDED ASX ANNOUNCEMENT

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Further to the announcement lodged this morning dated 27 November 2017 regarding the EL's pegged in the Westmoreland area of NT and Qld and as requested by ASX, Trek Metals Limited (ASX: TKM) (Trek, or the Company) provides the attached amended announcement.

Yours faithfully  
Trek Metals Limited

**Bradley Drabsch**  
**Managing Director**



# Similarities to Witwatersrand Style Conglomerate Hosted Gold in Westmoreland Conglomerate - NT / Qld

*New EL's pegged in the NT and Qld – palaeo-placer gold*

## ASX ANNOUNCEMENT

27 November 2017

ASX: TKM

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### Board of Directors

Mr Greg Bittar  
*Non-Executive Chairman*

Mr Bradley Drabsch  
*Managing Director*

Ms Sonja Neame  
*Non-Executive Director*

Mr Michael Bowen  
*Non-Executive Director*

### Issued Capital

Shares – 295.0 M  
Options – 58.0M  
Share Price – A\$0.033  
Market Cap. – A\$9.73M

### Registered Office – Australia

Suite 5/56 Kings Park Rd  
WEST PERTH WA 6005

### Registered Office – Bermuda

Trinity Hall  
43 Cedar Avenue  
HAMILTON HM12

### Postal Address

P.O. Box 1796  
WEST PERTH WA 6872

T +61 8 6555 1879  
E [info@trekmetals.com.au](mailto:info@trekmetals.com.au)  
W [trekmetals.com.au](http://trekmetals.com.au)

## HIGHLIGHTS

- Historic information indicates gold is present in the Westmoreland Conglomerate in both the NT and Qld on new and existing 100% TKM tenement applications
- Project tenure now ~ 3,610 km<sup>2</sup> with approx. 100 strike km of prospective stratigraphy
- Uranium and pyrite association in conglomerates with gold mineralisation has some similarities to the Witwatersrand genetic model
- Adds to highly prospective Zinc – copper – cobalt targets further south within original Lawn Hill tenure

Trek Metals Limited (ASX:TKM) is delighted to announce that it has several new 100% owned applications in both the Northern Territory and Queensland targeting Witwatersrand Style conglomerate hosted gold deposits.

The Witwatersrand basin in South Africa has produced in excess of 50,000 tonnes (**1.5 billion ounces**) of gold since gold was discovered there in the late 1800's.

**Some possible similarities** between the **Witwatersrand style** mineralisation and the **Westmoreland Conglomerate** targets include >:

Witwatersrand Gold Deposits	Westmoreland Conglomerate Targets
Passive Continental Margin	Passive Continental Margin
Archaean Age	Palaeo-Proterozoic Age
Gold-Silver-Pyrite-Uranium Association	Gold-Silver-Pyrite-Uranium Association
Fluvial / Braided sedimentary environment (Alluvial fan)	Fluvial / Braided sedimentary environment (Alluvial fan)
<b>~ 1.5 <u>BILLION</u> OUNCES OF GOLD</b>	<b>??????</b>

Trek Managing Director Bradley Drabsch said that *“although gold exploration has not been a focus for Trek, our work interrogating the historic data and research for copper-cobalt zinc potential at our Lawn Hill Project has delivered a very real opportunity in existing tenement applications and provided the impetus to increase our NT footprint. Our commitment to our flagship Kroussou Project JV in Gabon remains strong with the Northern Territory Projects complementing our approach to frontier exploration work”*.

### **Historic Research and Data for Westmoreland Conglomerate Palaeo-placer Gold**

A paper delivered at the AusIMM Darwin conference in 1984 by Ahmad et al. described the potential for the Westmoreland Conglomerate to host palaeo-placer gold deposits:

*“This sedimentary environment is similar to other Early and Mid-Proterozoic examples which contain economic palaeo-placer deposits elsewhere in the world.”*

*“The Early Proterozoic basement below the sequences are presumed to be the source rocks for the sequences and contain gold mineralisation on a regional scale. The combination of auriferous source rocks and favourable sedimentary environment make these sequences prospective for palaeo-placer gold deposits.”*

*Ahmad et Al., 1984\**

In addition to the research based findings, historical exploration work in an area of the Westmoreland Conglomerate, outside of TKM applications (by Kratos Uranium NL in the late 1970's and early 1980's), returned highly encouraging results from drilling that showed some similarities with the typical model of Witwatersrand style gold deposits. Several holes from the Northeast Westmoreland Prospect of Kratos Uranium N.L, drilled in 1980, returned intersections within Westmoreland Conglomerate that included significant gold associated with uranium bearing minerals and pyrite, a known assemblage present in Witwatersrand style mineralisation.

Whilst the exact nature of the association between gold, uranium and silver, in particular, is not understood at this time within the Westmoreland Conglomerate, these elements have a clear positive correlation, for example, in the Vaal reef complex as presented by Fox (2002), in some Witwatersrand gold deposits. There are other correlations apparent in the Witwatersrand model but it is too early to know whether these are applicable to the Westmoreland region.

### **Native Title Negotiations**

The grant of the tenements on the NT side of the border is subject to a negotiation process with the Traditional Owners in the region. These discussions remain ongoing with meetings scheduled for Q1 2018.

Historic data compilation is ongoing with reconnaissance field visits to accessible areas to commence as soon as practical.

## References -

> - Frimmel et al., 2005. The Formation and Preservation of the Witwatersrand Goldfields, the World's Largest Gold Province. In Economic Geology, 100<sup>th</sup> Anniversary Volume pp 769 - 797

\* - Ahmad M., Hallenstein C. P. and Wygralk A., 1984. Paleoplacer potential in the mid-Proterozoic of the Northern Territory: a study of the Westmoreland Conglomerate. In Darwin Conference 1984. AusiMM: Melbourne. pp 357-366.

Fox, N., 2002, Exploration for Witwatersrand gold deposits and analogs: University of Tasmania, CODES Special Publication 4, p. 243 – 269

Tenement ID	Registered Holder	Pegging Date	Area
EL31753 (NT)	TM Resources Pty Ltd	21/11/2017	215.3 km <sup>2</sup>
EL31752 (NT)	TM Resources Pty Ltd	21/11/2017	755.9 km <sup>2</sup>
EL31751 (NT)	TM Resources Pty Ltd	17/11/2017	336.6 km <sup>2</sup>
EPM26707	Trek Metals Limited	17/11/2017	326.4 km <sup>2</sup>
EPM26708	Trek Metals Limited	17/11/2017	326.5 km <sup>2</sup>

Table 1: New Tenement Applications

## COMPETENT PERSONS STATEMENT

*The information in this report that relates to exploration results is based on information compiled by Mr Bradley Drabsch, Member of the Australian Institute of Geoscientists ("AIG") and Managing Director of Trek Metals Limited. Mr Drabsch has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a competent person as defined in the JORC Code 2012. Mr Drabsch consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.*

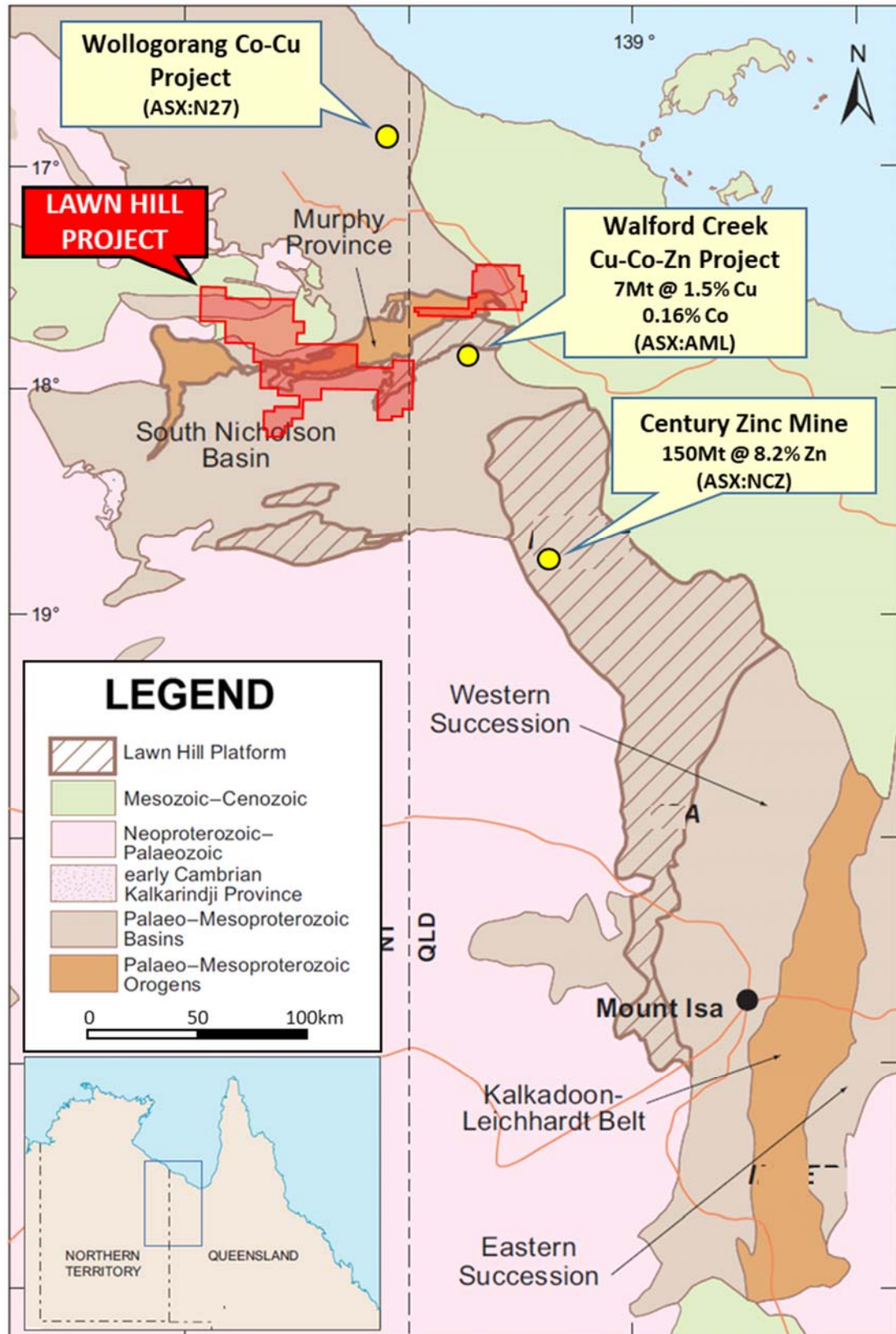


Figure 1: Regional Location Plan

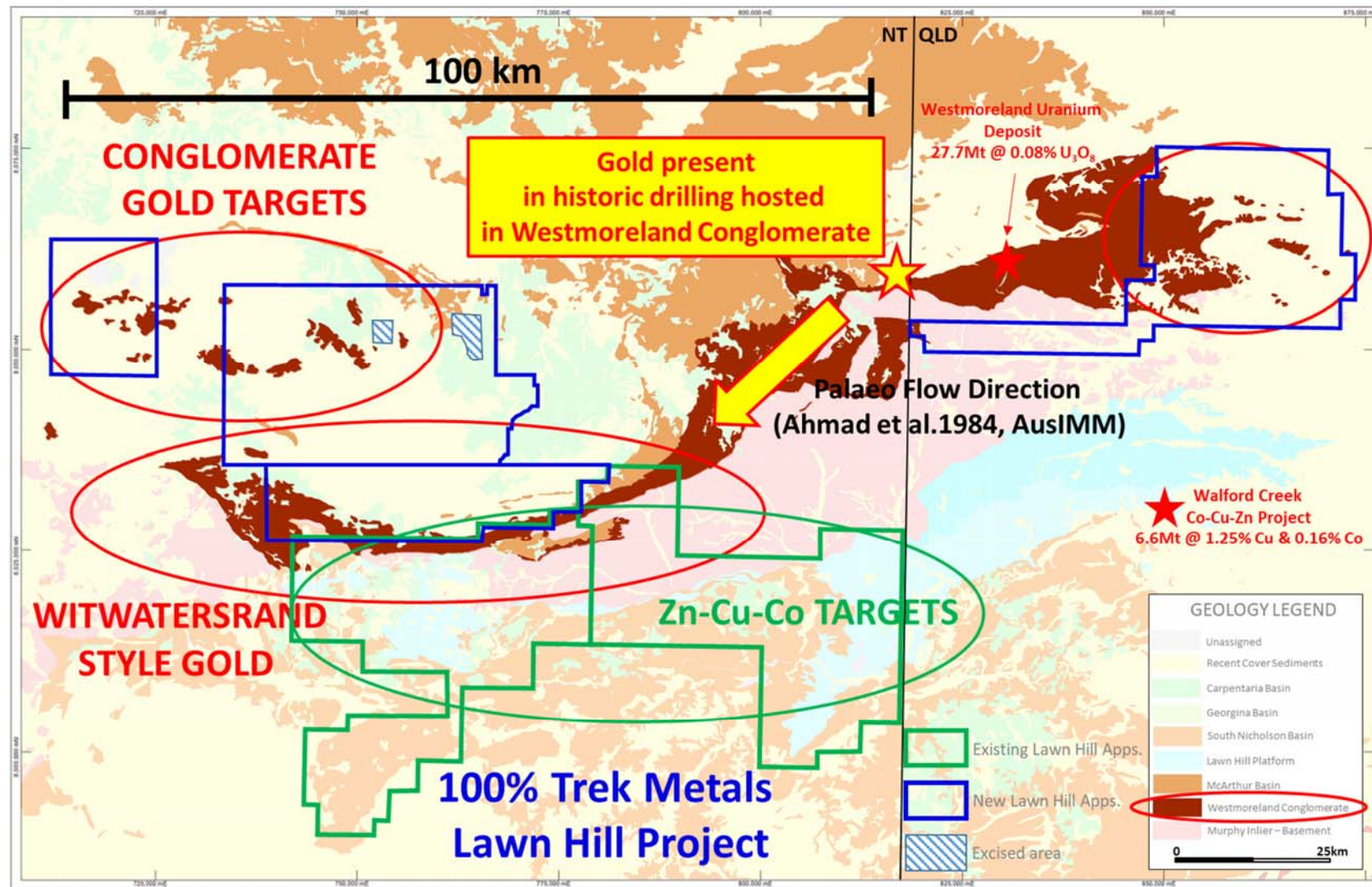


Figure 2: Witwatersrand Gold targets within existing and new tenement applications in the Northern Territory and Queensland