



INTERNATIONAL  
MINING AND  
RESOURCES  
CONFERENCE  
30 OCT – 2 NOV 2017



# Xanadu Mines

**Creating value through  
discovery in Mongolia**

IMARC | 30<sup>th</sup> OCTOBER 2017

## FORWARD LOOKING STATEMENTS

**Nature of this document:** The purpose of this presentation is to provide general information about Xanadu Mines Limited (the 'Company'). Unless otherwise stated herein, the information in this presentation is based on the Company's own information and estimates. In attending this presentation or viewing this document you agree to be bound by the following terms and conditions.

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**Unverified information:** This presentation may contain information (including information derived from publicly available sources) that has not been independently verified by the Company.

**JORC:** The information in this report that relates to the exploration results previously reported in the ASX Announcements dated 30 October 2017. The Company is not aware of any new information or data that materially affects the information included in those relevant market announcements.

# PAST TWELVE MONTHS HIGHLIGHTS

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## **DELIVERING ON A SIGNIFICANT DISCOVERY**

**One of the most promising Cu-Au discoveries globally**

One of the highest grade porphyry discoveries

**High impact drilling set to extend resource**

Recent drilling intercepts of 650m at +1% CuEq from surface

**A strong discovery team**

High calibre exploration team with a discovery record

**Financed for significant new flow**

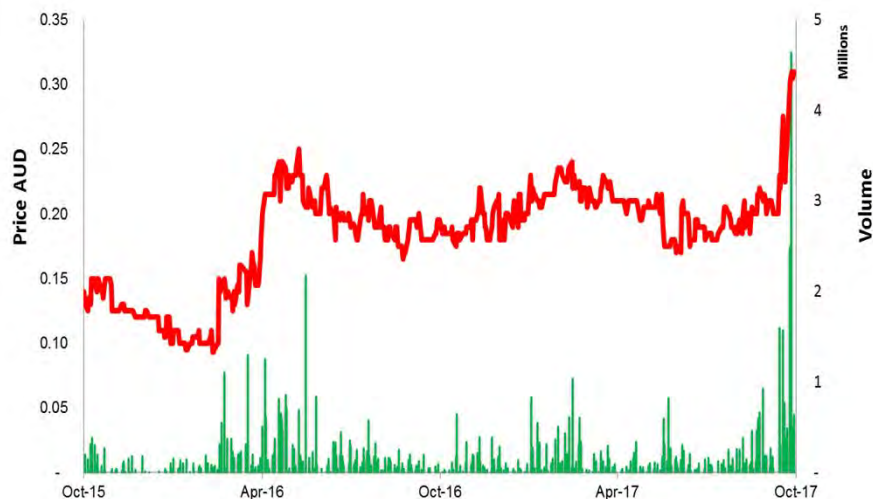
Approximately A\$11.2m in cash to support aggressive drilling.

## STRONG FOUNDATION & EXPERIENCED BOARD OF DIRECTORS

### Capital Structure

Share price (13 October 2017)	A\$0.31
52w range	A\$0.17-0.31
Issued shares	588.7m
<b>Market capitalisation</b>	<b>A\$182.5m</b>
Cash	A\$11.2m
<b>Enterprise value</b>	<b>A\$171.3m</b>

### Share Price Performance



### Experienced Directors

#### Kevin Tomlinson

Non-Executive Chairman

Experienced resources company CEO, director and financier with more than 30 years' experience within the Canadian, Australian and United Kingdom Stock markets. Previous development and production boards included Chairman of Medusa Mining (ASX, AIM, TSX) and NED on Centamin Plc (ASX, AIM, LSE, TSX) and Orbis Gold (ASX).

#### Andrew Stewart

Managing Director & Chief Executive Officer

Geologist with over 15 years' experience in minerals exploration primarily focused on project generation and evaluation and development of exploration strategies throughout Asia and Eastern Europe. Senior technical and management positions at Ivanhoe & Vale.

#### Ganbayar Lkhagvasuren

Executive Director

Co-founder of Xanadu and Director since 2006. Joint venture partner in Mongol Metals LLC and brings a vital Mongolian perspective to the Board of Directors. Responsible for day-to-day operations in Mongolia.

#### Darryl Clark

Independent Non-Executive Director

Exploration geologist with over 20 years' experience throughout Australia, Central Asia and South East Asia. Previous corporate roles with both Vale and BHP Billiton. Responsible for business development strategies and the coordination of discovery events.

#### Hannah Badenach

Non-Executive Director

Director Mongolia and Head of Mongolia and Asian/Middle East base metals at Noble Resources International Pte Ltd. Extensive Mongolian, commercial and business development experience across a broad range of commodities.

#### Marcus Engelbrecht

Non-Executive Director

Well-rounded senior mining executive with more than 30 years industry experience. Spent 20 years with BHP Billiton and more recently was MD and CEO of a London listed gold miner operating in Indonesia. He has worked in various emerging markets across the globe, including in Africa and South East Asia.

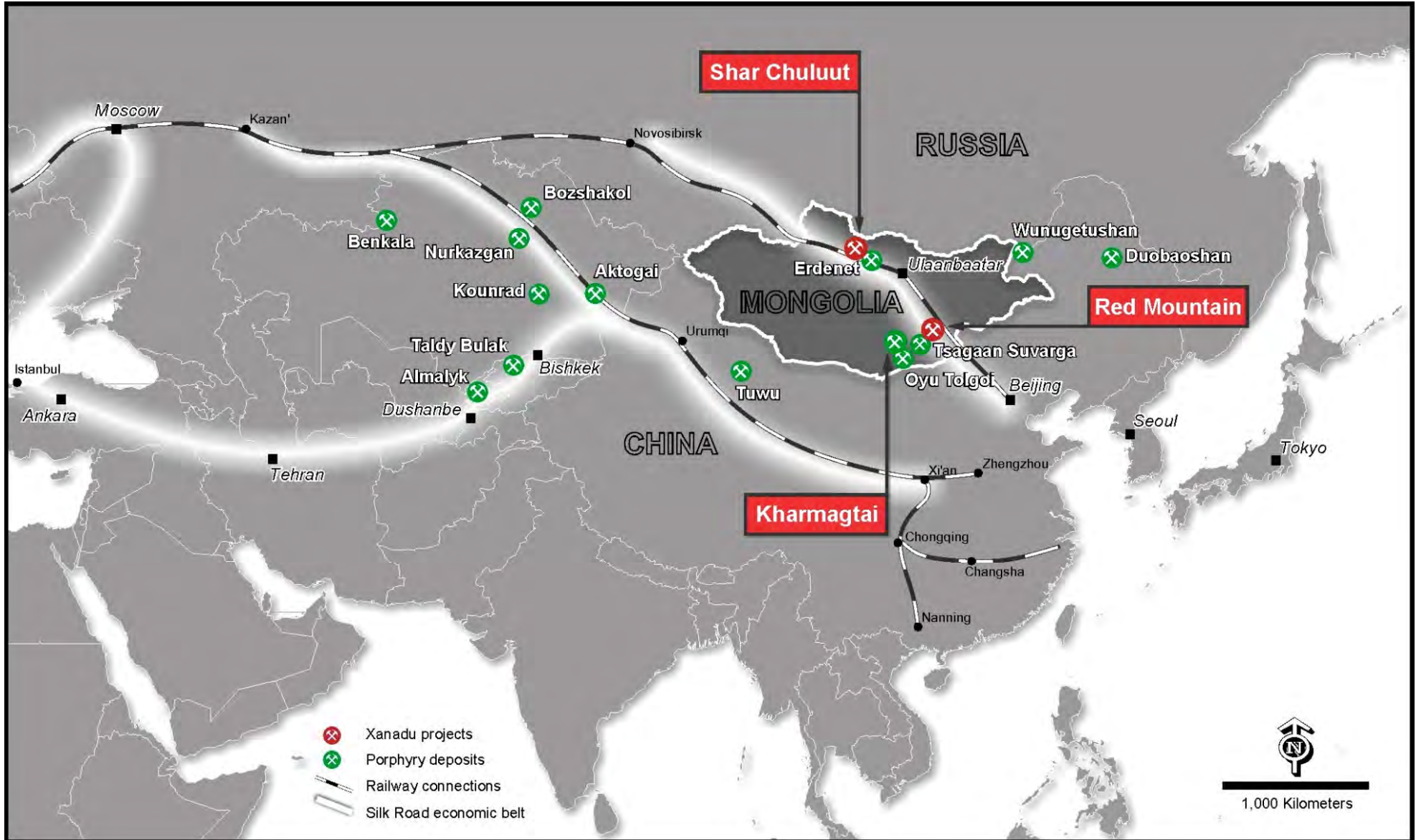
#### Michele Muscillo

Non-Executive Director

Michele has practised exclusively in corporate law for the duration of his legal career and has extensive experience in mergers and acquisitions and capital markets transactions, including the negotiation of significant commercial contracts and agreements. His key areas of practice include Corporate Advisory and Governance, Mergers and Acquisitions, Capital Markets and Resources and Energy.

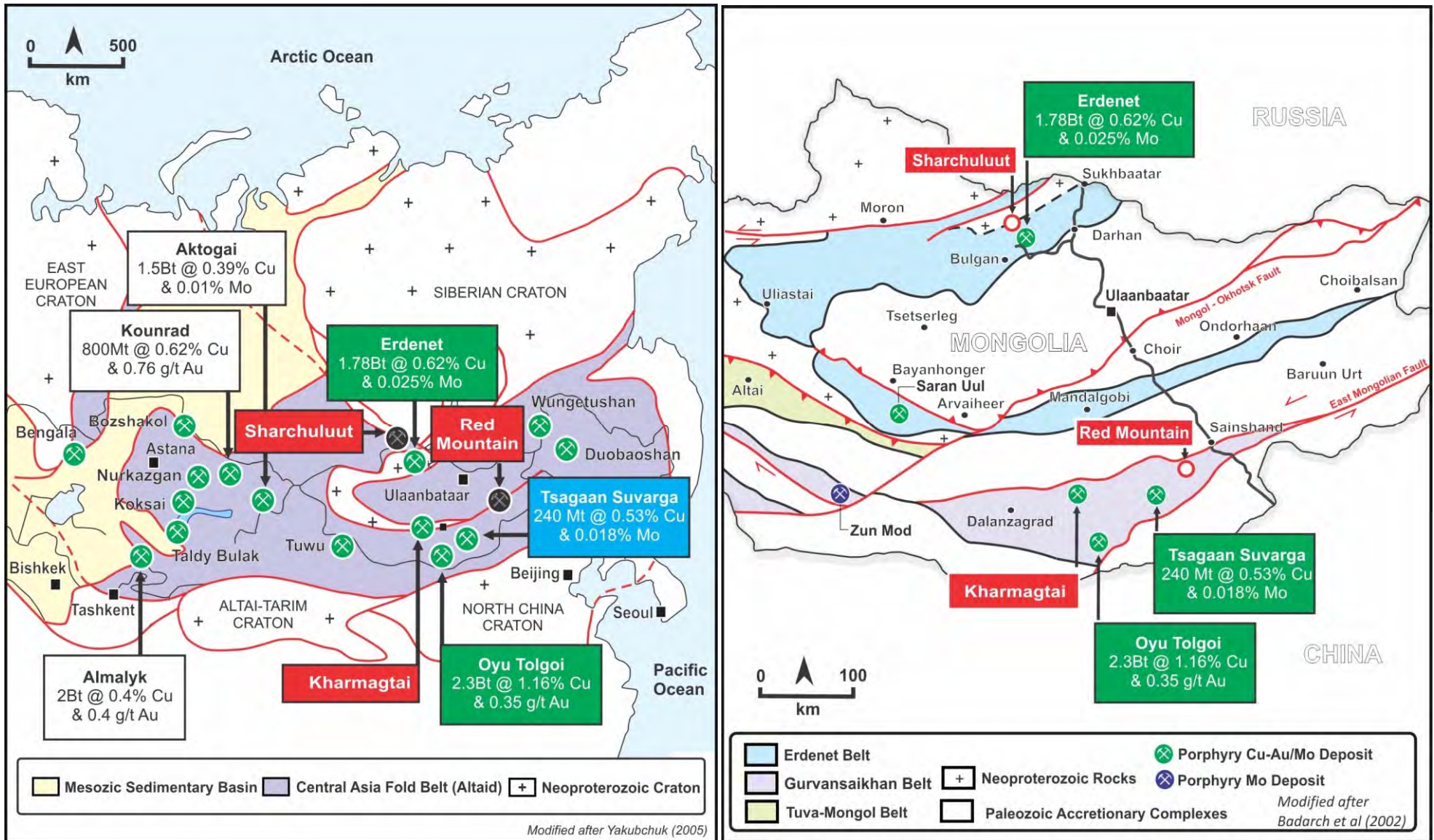
# LAST GREAT EXPLORATION FRONTIERS

## LARGE UNDEREXPLORED COPPER-GOLD PROVINCE



# VASTLY UNDEREXPLORED MINERAL BELTS

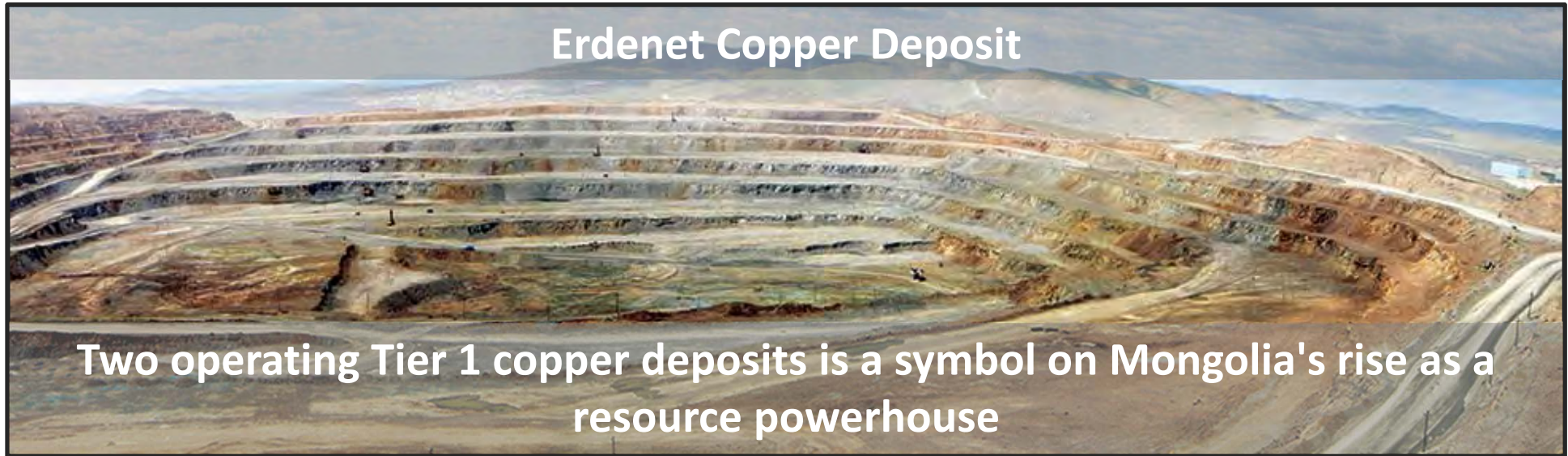
MORE THAN SEVEN PORPHYRY COPPER BELTS WITH DEPOSITS >5MT CU



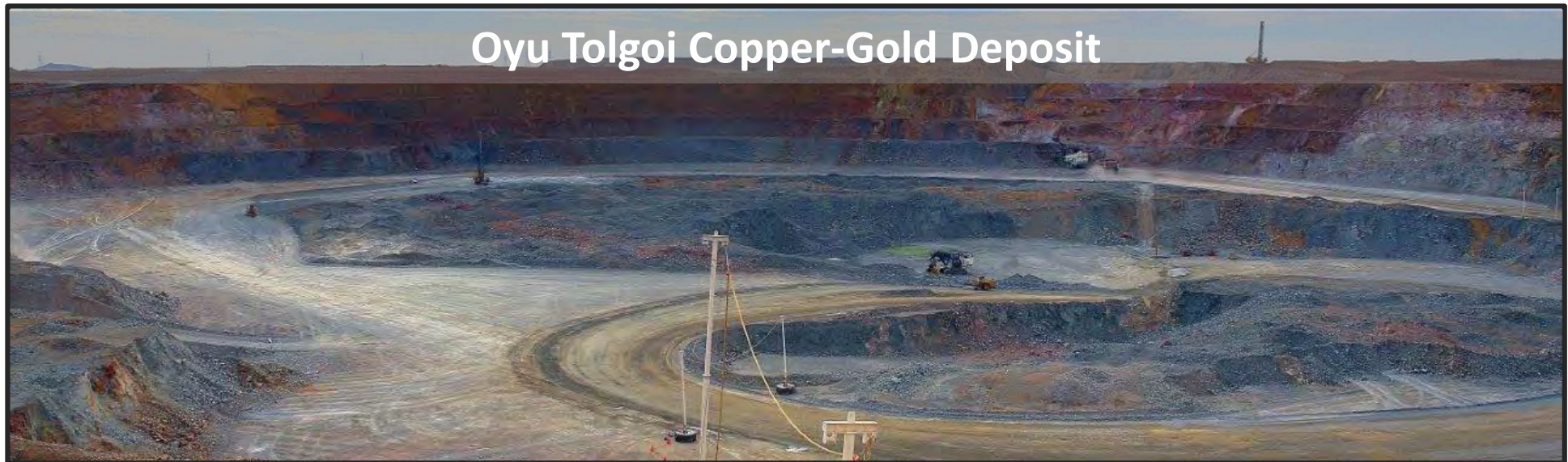
# CHANGING LANDSCAPE IN MONGOLIA

## MINING & EXPLORATION INDUSTRY PLAYS A CRUCIAL ROLE

Erdenet Copper Deposit

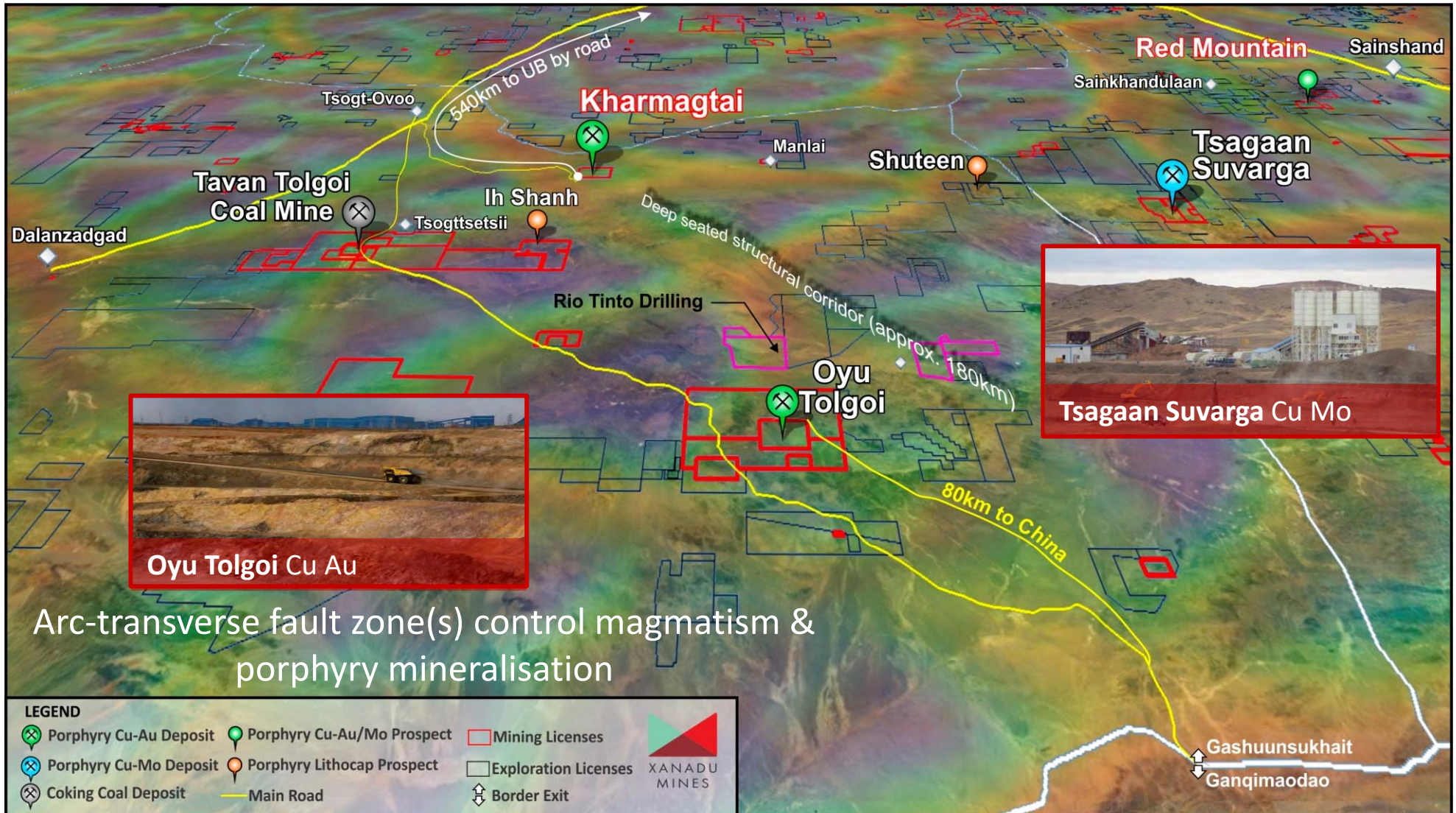


Oyu Tolgoi Copper-Gold Deposit



# WORLD CLASS OYU TOLGOI PORPHYRY TREND

## HUNT FOR COPPER PORPHYRIES IN A WORLD CLASS DISTRICT





# **KHARMAGTAI PORPHYRY CU-AU DISTRICT**

## **SIGNIFICANT DISCOVERY IN A WORLD CLASS PORPHYRY DISTRICT**

**1975**

### **RECOGNITION**

First porphyry Cu mineralisation

**1995-1998**

### **QGX GOLD**

Early exploration focused on the shallow gold mineralisation

**2001-2006**

### **IVANHOE MINES**

Exploration focused on outcropping porphyry mineralisation  
Drill holes were shallow and closely spaced drilling

**2015 & beyond**

### **XANADU MINES**

Exceptional exploration success  
Recent drilling intercepts >650m or greater at +1% copper equivalent  
Start the commercialisation process to the benefit of Xanadu's shareholders of this world class Cu-Au discovery

# **KHARMAGTAI PORPHYRY CU-AU DISTRICT**

## **LARGE PORPHYRY DISTRICT WITH MULTIPLE PORPHYRY CENTRES**

**Outcrop throughout the Kharmagtai district is sparse**

**Quaternary sand forming a thin cover over most of the porphyry system**

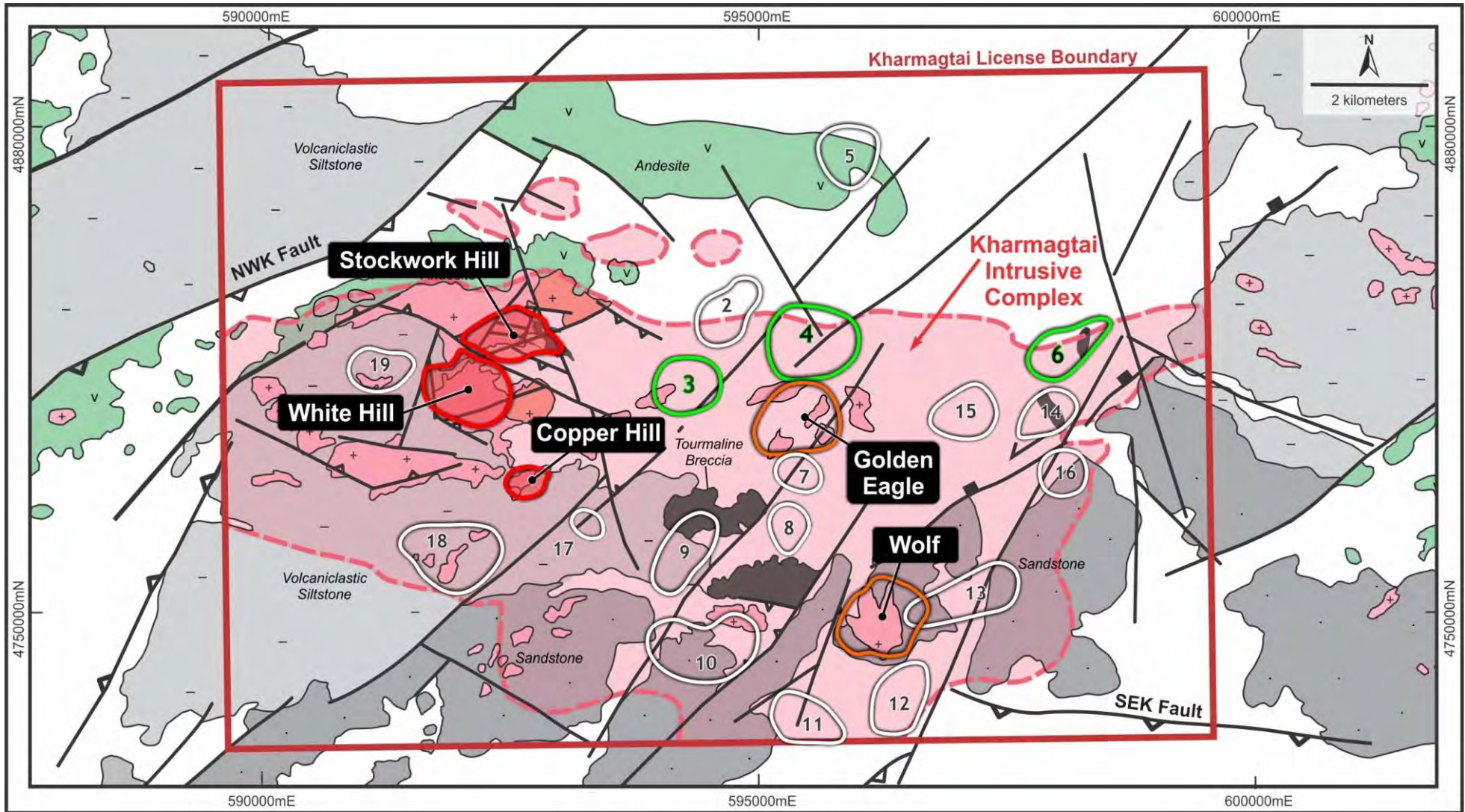
**Stockwork Hill**

**Copper Hill**

**White Hill**

# KHARMAGTAI PORPHYRY CU-AU DISTRICT

## LARGE PORPHYRY DISTRICT WITH MULTIPLE PORPHYRY CENTRES

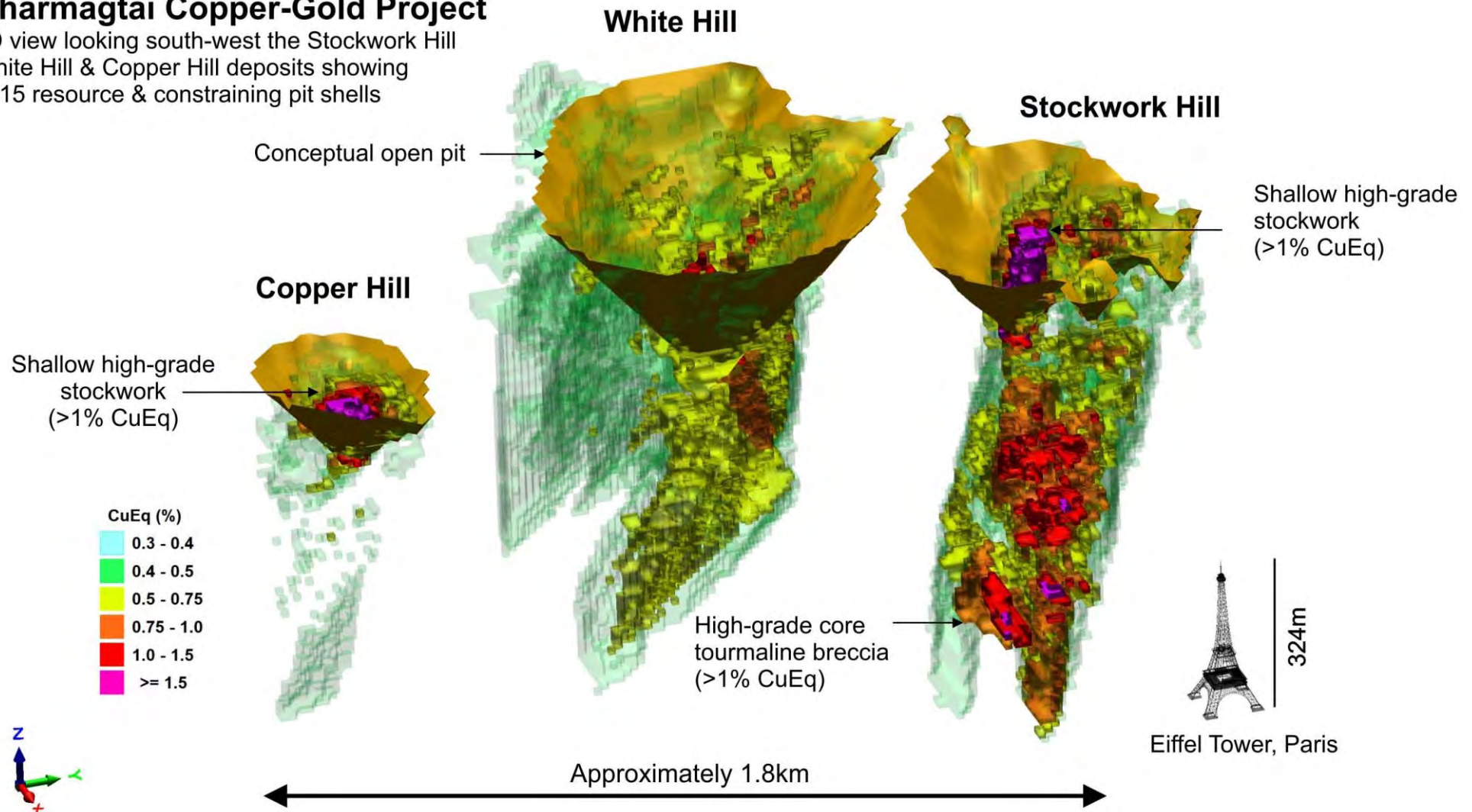


# **KHARMAGTAI PORPHYRY CU-AU DISTRICT**

## GROWING JORC RESOURCE OF 1,533 MLB CU & >2 MOZ AU\*

### Kharmagtai Copper-Gold Project

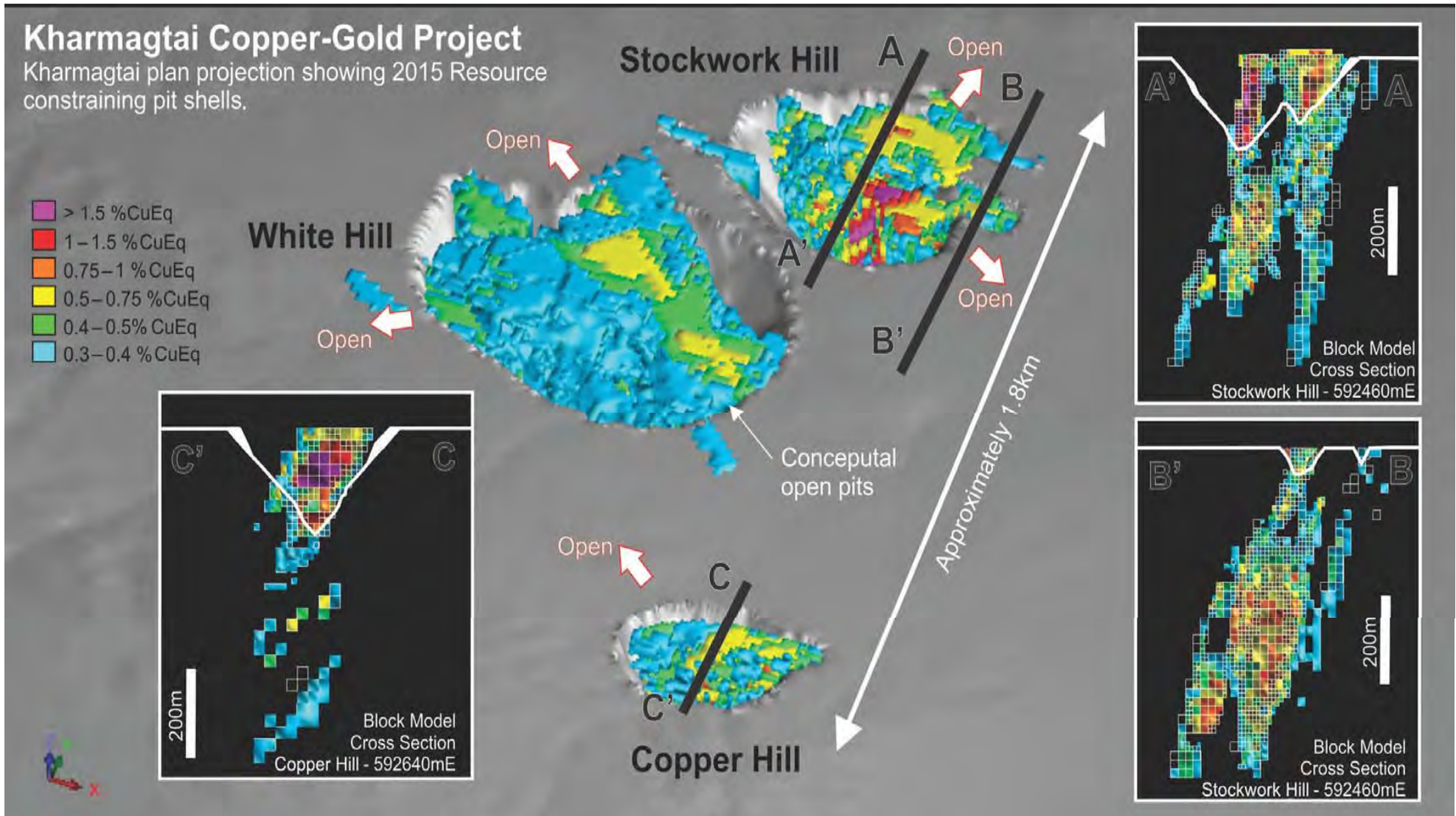
3D view looking south-west the Stockwork Hill  
White Hill & Copper Hill deposits showing  
2015 resource & constraining pit shells



\*ASX announcement dated 19 March 2015 "Kharmagtai Maiden JORC Resource." Table 1 information dated 29 April 2016 continues to apply.

# KHARMAGTAI PORPHYRY CU-AU DISTRICT

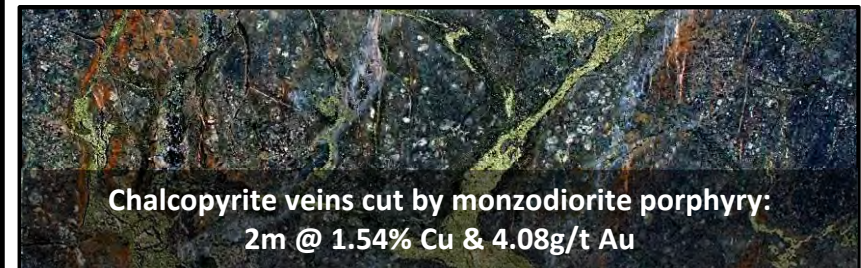
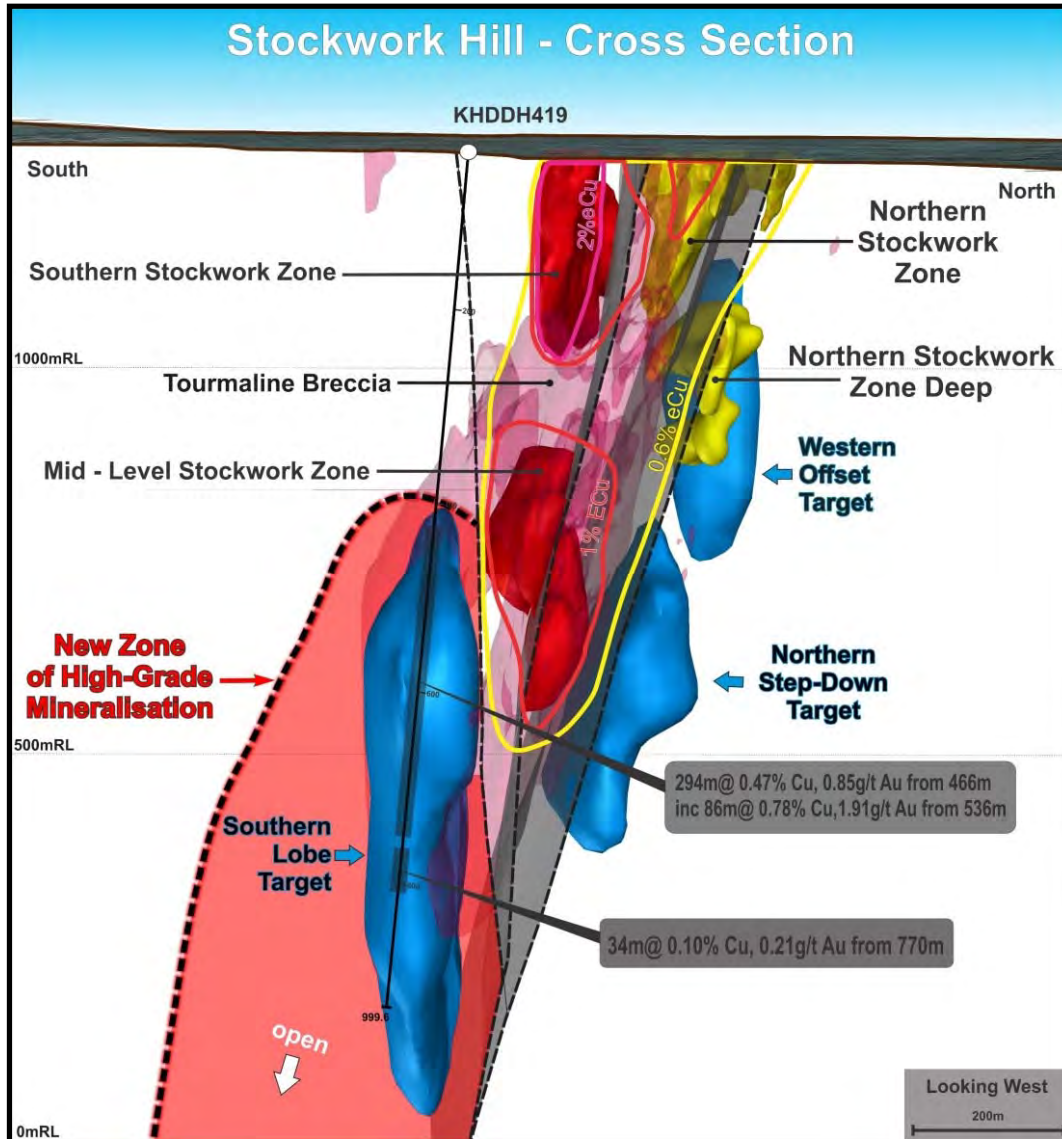
## DISTRICT WITH A CLUSTER OF OUTCROPPING PORPHYRY DEPOSITS



\*ASX announcement dated 19 March 2015 "Kharmagtai Maiden JORC Resource." Table 1 information dated 29 April 2016 continues to apply.

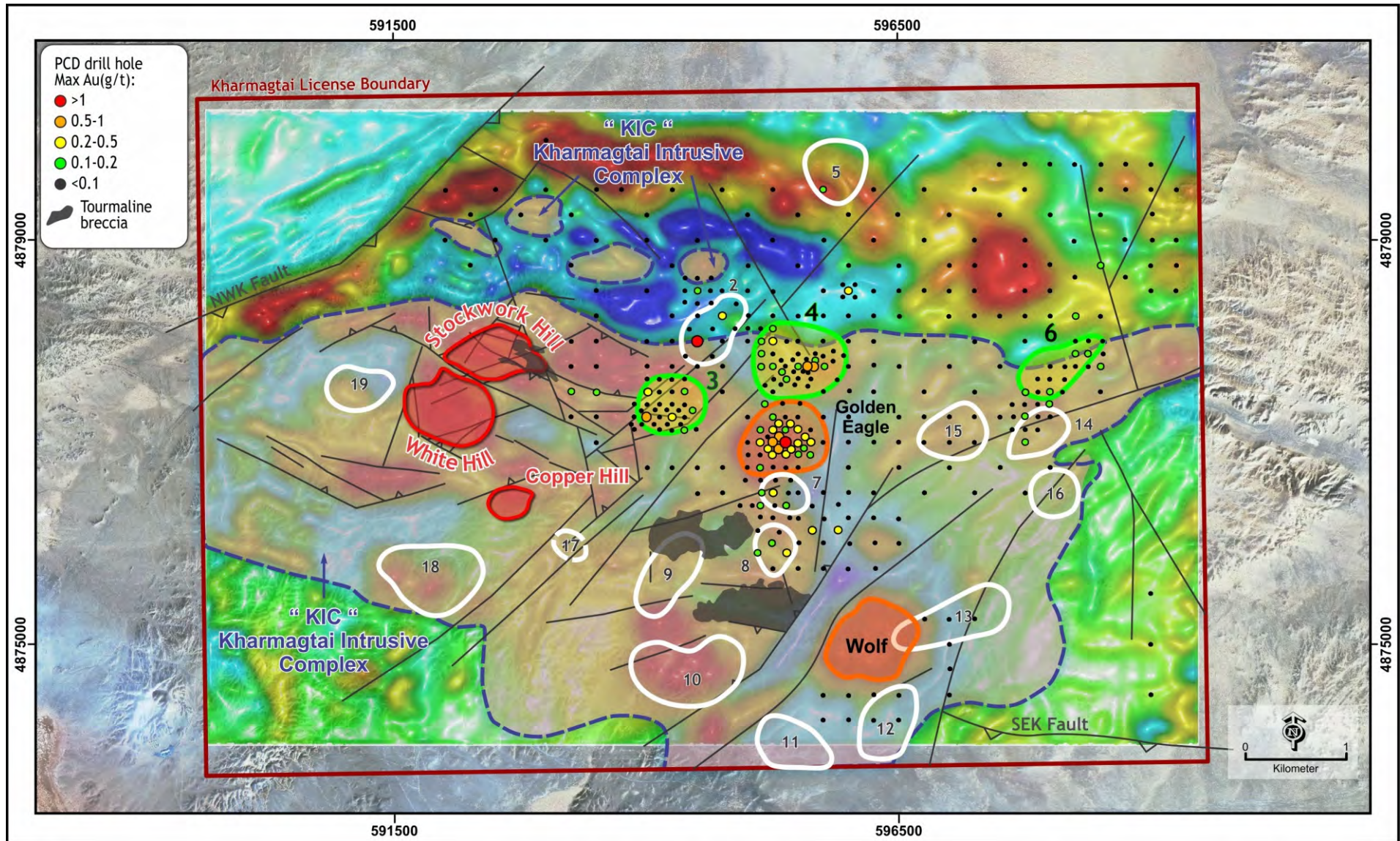
# KHARMAGTAI PORPHYRY CU-AU DISTRICT

## SHALLOW HIGH-GRADE GOLD-RICH PORPHYRY MINERALISATION



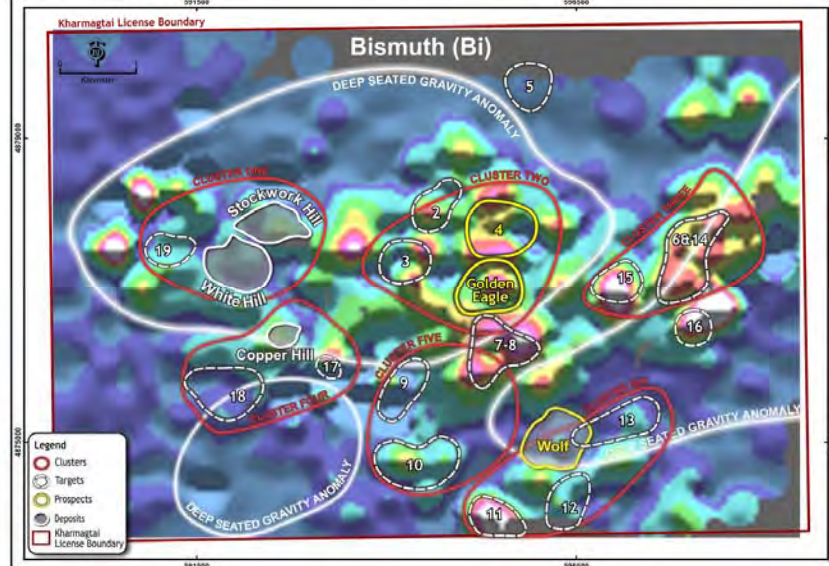
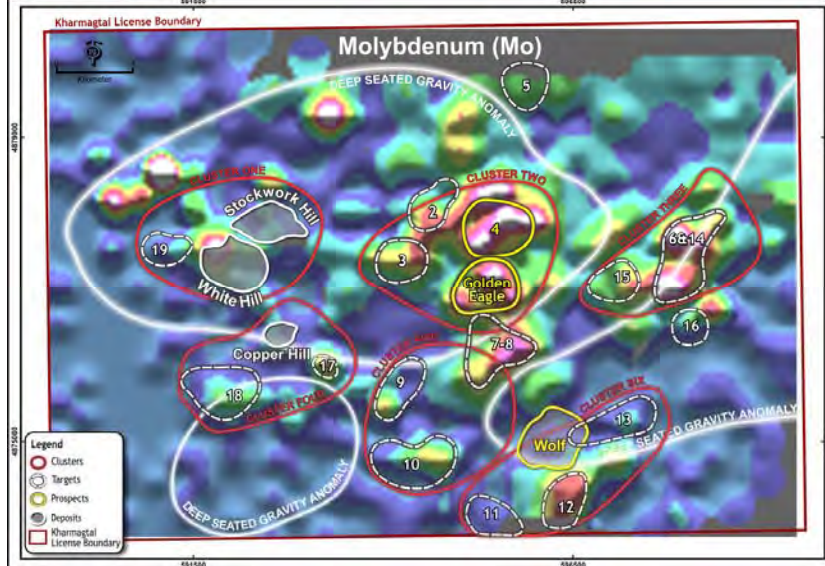
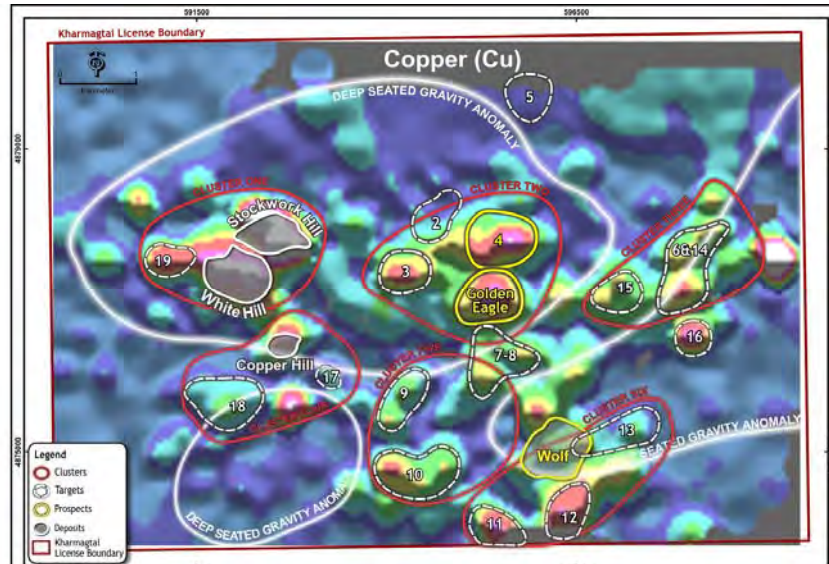
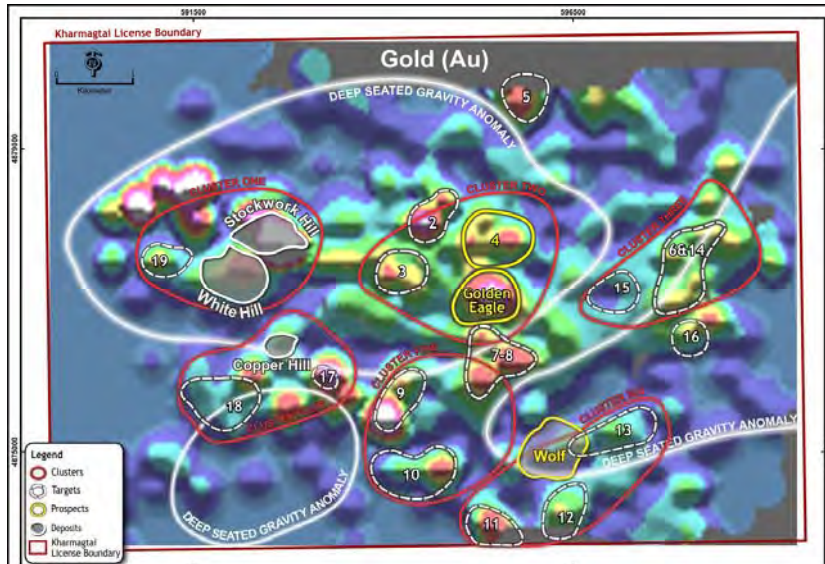
# KHARMAGTAI PORPHYRY CU-AU DISTRICT

## HIGH IMPACT DRILLING AT THE FLAGSHIP KHARMAGTAI PROJECT



# **KHARMAGTAI PORPHYRY CU-AU DISTRICT**

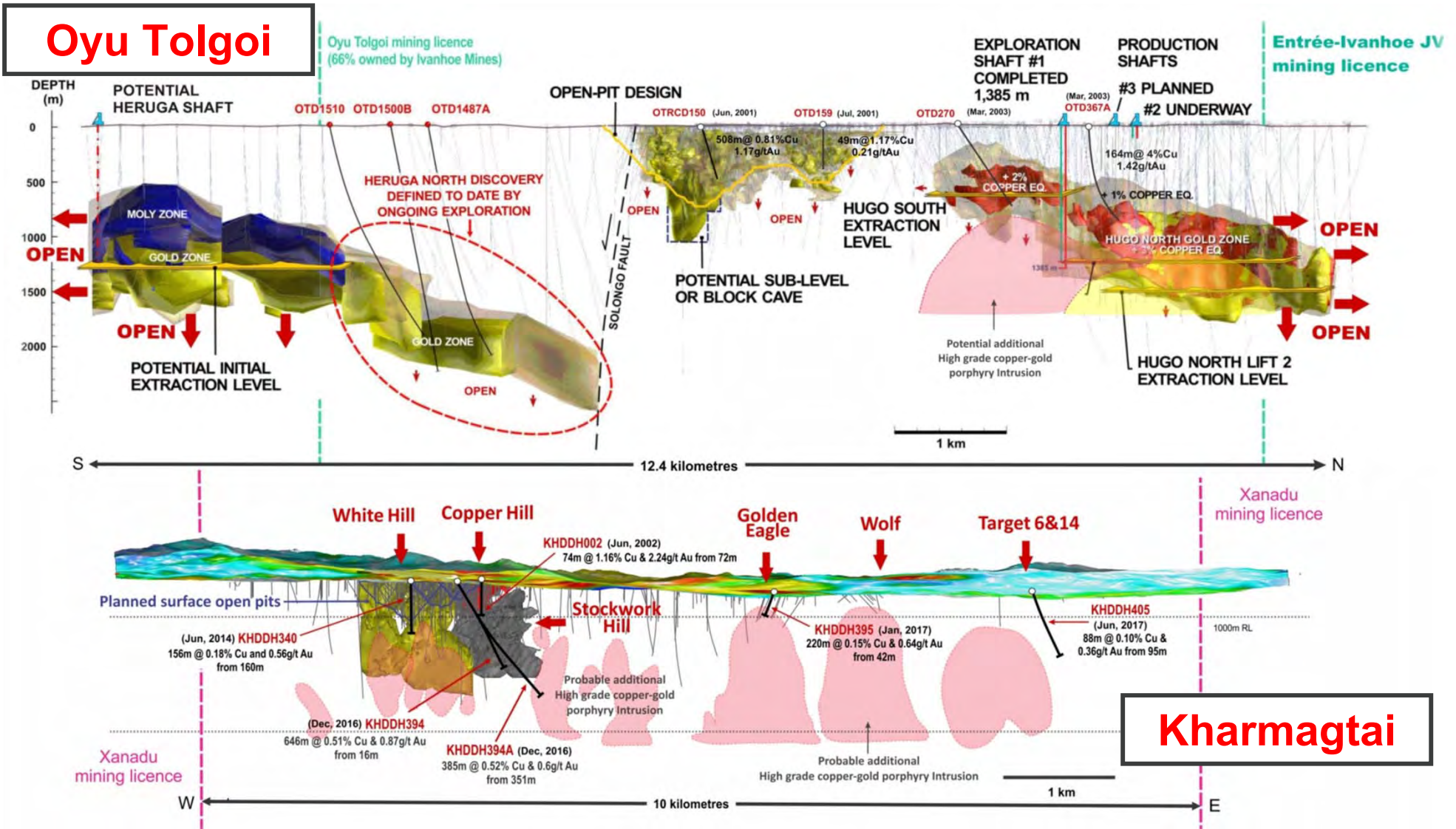
## GEOCHEMISTRY DEFINING NUMEROUS PORPHYRY





# KHARMAGTAI PORPHYRY CU-AU DISTRICT

## ARCHITECTURE OF SOUTH GOBI PORPHYRY COPPER-GOLD



\*Oyu Tolgoi section taken from the discovery history of the giant Oyu Tolgoi porphyry copper deposit, Doug Kirwin, 2008.

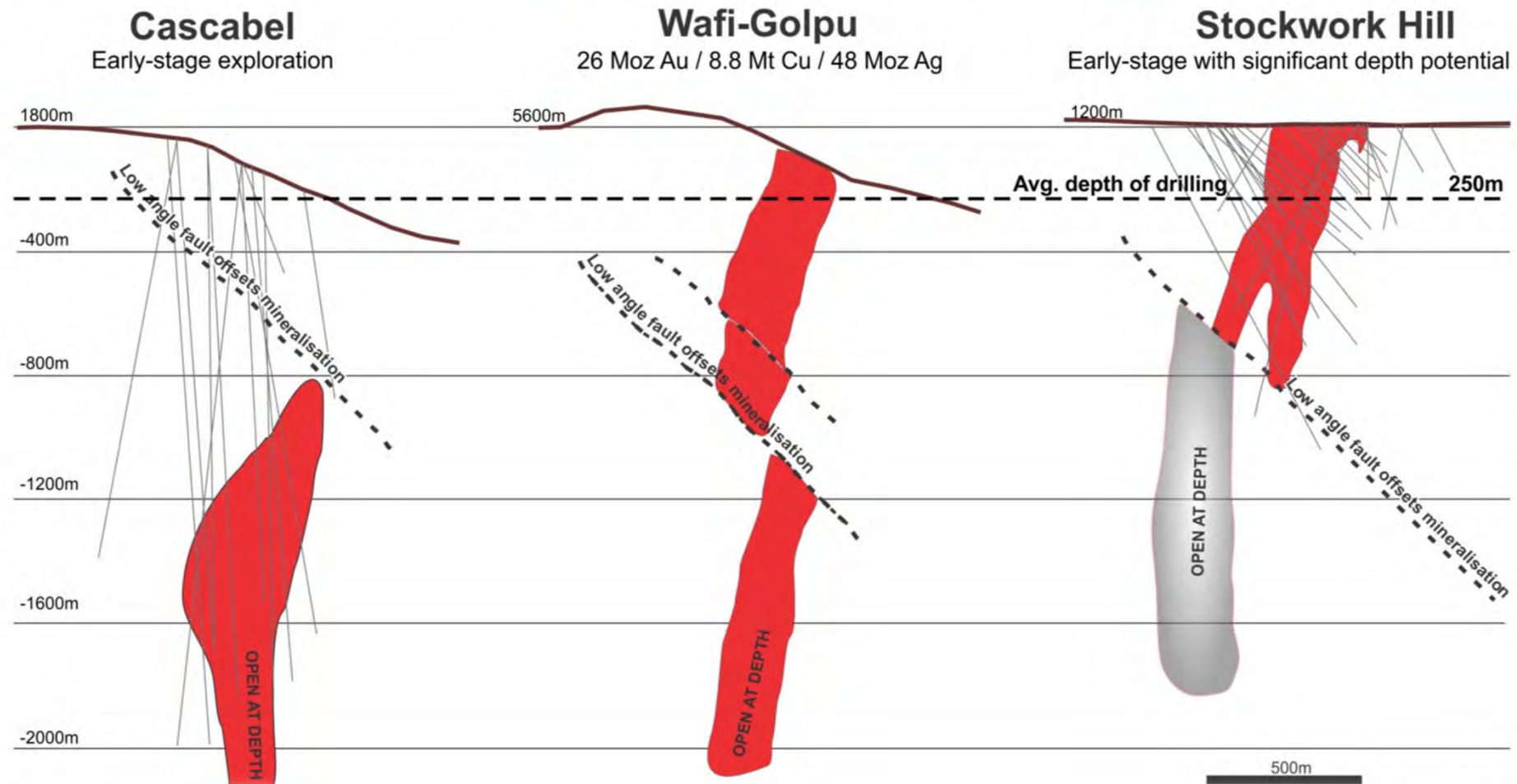
# GLOBAL PEER COMPARISON

## POTENTIAL TO HOST A GLOBALLY SIGNIFICANT DISCOVERY

 **SolGold** Market Cap: AUD \$1,112M

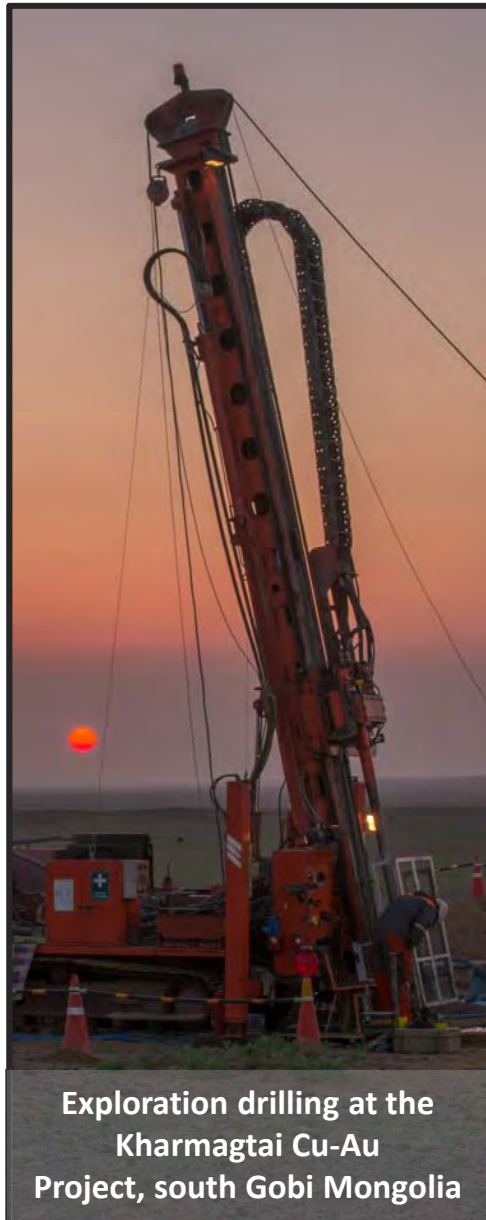
 **NEWCREST** MINING LIMITED Market Cap: AUD\$15,440M

 Market Cap: AUD \$107M



\*Figure adapted from Sol Gold corporate presentation dated 17 February 2017 and Newcrest corporate presentation to Adapting to Exploration in the 21st Century dated 27 June 2016..

# ACCELERATED DRILLING ON MULTIPLE TARGETS



## EXPLORATION PROGRAM & NEWS FLOW

### Accelerated Kharmagtai drilling on multiple targets

Unlocking the potential of the Kharmagtai Cu-Au District

Bedrock drilling successfully defines new porphyry targets

Exploration drilling to be accelerated with extra drill rigs

Numerous shallow high-priority targets under-cover

Drill test high-grade mineralisation below current resources.

### Strong drilling results at Red Mountain raise its status

Drilling is continuing to test multiple near surface priority targets.



For further information please visit  
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# COMPETENT PERSON STATEMENT

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## IMPORTANT NOTICES

**Kharmagtai Mineral Resource estimate:** The Company confirms that it is not aware of any new information or data that materially affects the information included in the original 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 announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not materially changed from the original market announcement.

The information in this presentation that relates to Mineral Resources is based on information compiled by Mr. Andrew J. Vigar, who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr. Vigar is employed by Mining Associates Limited Hong Kong. Mr. Vigar 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. Vigar consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

Exploration Results: The information in this presentation that relates to Exploration Results is based on information compiled by Dr. Andrew Stewart who is responsible for the exploration data, comments on exploration target sizes, QA/QC and geological interpretation and information, which is incorporated in the database that was provided to Mining Associates for undertaking the Resource estimate. Dr. Stewart is an employee of Xanadu and is a Member of the Australasian Institute of Geoscientists. Dr. Stewart has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the "Competent Person" as defined in the 2012 Edition of the "Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves". Dr. Stewart consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

Copper equivalence: When used is calculated using the following formula:  $CuEq = Cu(\%) + Au (g/t) * 0.6378$ , based on a copper price of \$2.60/lb, and a gold price of \$1300/oz, with assumed recoveries of 90% for copper and 70.85% for gold.

For the purpose of ASX Listing Rules 5.7.1, Xanadu refers to its Table 1 disclosure dated 28 July 2017 which continues to apply as at the date of this presentation. Xanadu is not aware of any new information or data that materially affects the information included in that announcement.