

# China Yunnan Copper Australia

## CYU – Mt Dorothy Discovery and Update - Queensland and Chile

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

ASX:CYU

25<sup>th</sup> August 2010



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# CYU – Exploring APEC Region





# CYU – The Company

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Price	A\$0.13
ASX Code	CYU
Shares	108.6M
Options	18.4M
Market Cap	A\$14M
Cash	A\$1.4M

## Board and Management

Norm Zillman – Co Chairman  
 Liang Zhong – Co Chairman  
 Jason Beckton – Managing Director  
 Zewen Yang – Executive Director  
 Richard Hatcher – Exploration Manager  
 Jim Cran – Chief Geologist  
 Paul Marshall – Company Secretary  
 Matthew Price – Geologist  
 Yan Wu – Administration Australia



## Major Shareholders

China Yunnan Copper (Australia) Development Co.	21.7%
Norm Zillman	7.4%
Elliott Nominees Pty Ltd	6.6%



## Copper Gold Uranium

### Target Dimensions

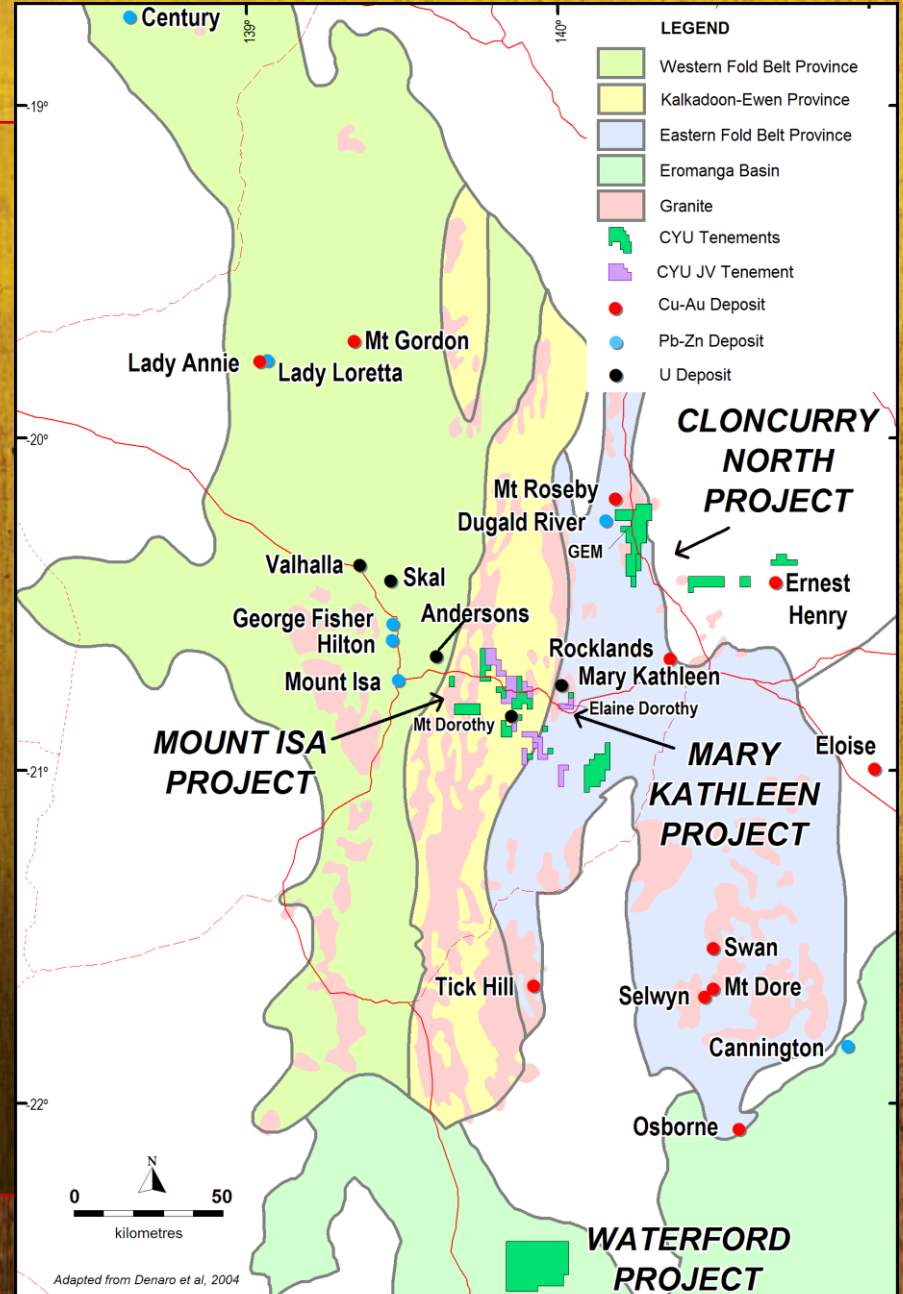
- Ernest Henry
- 167 Mt @ 1% Cu, 0.5 g/t Au
- Mary Kathleen
- 9.2 Mt @ 1.2 kg/t U<sub>3</sub>O<sub>8</sub>

### Target Progress – Cu Au

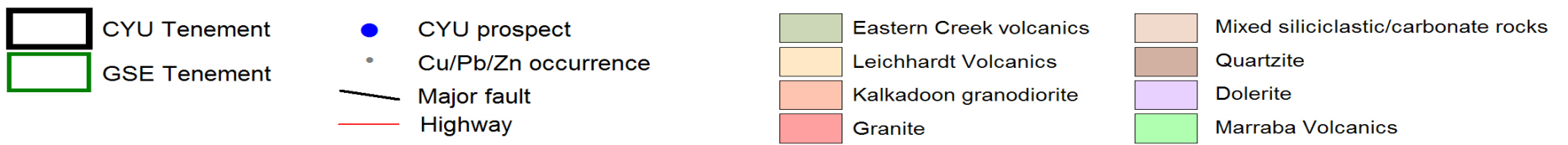
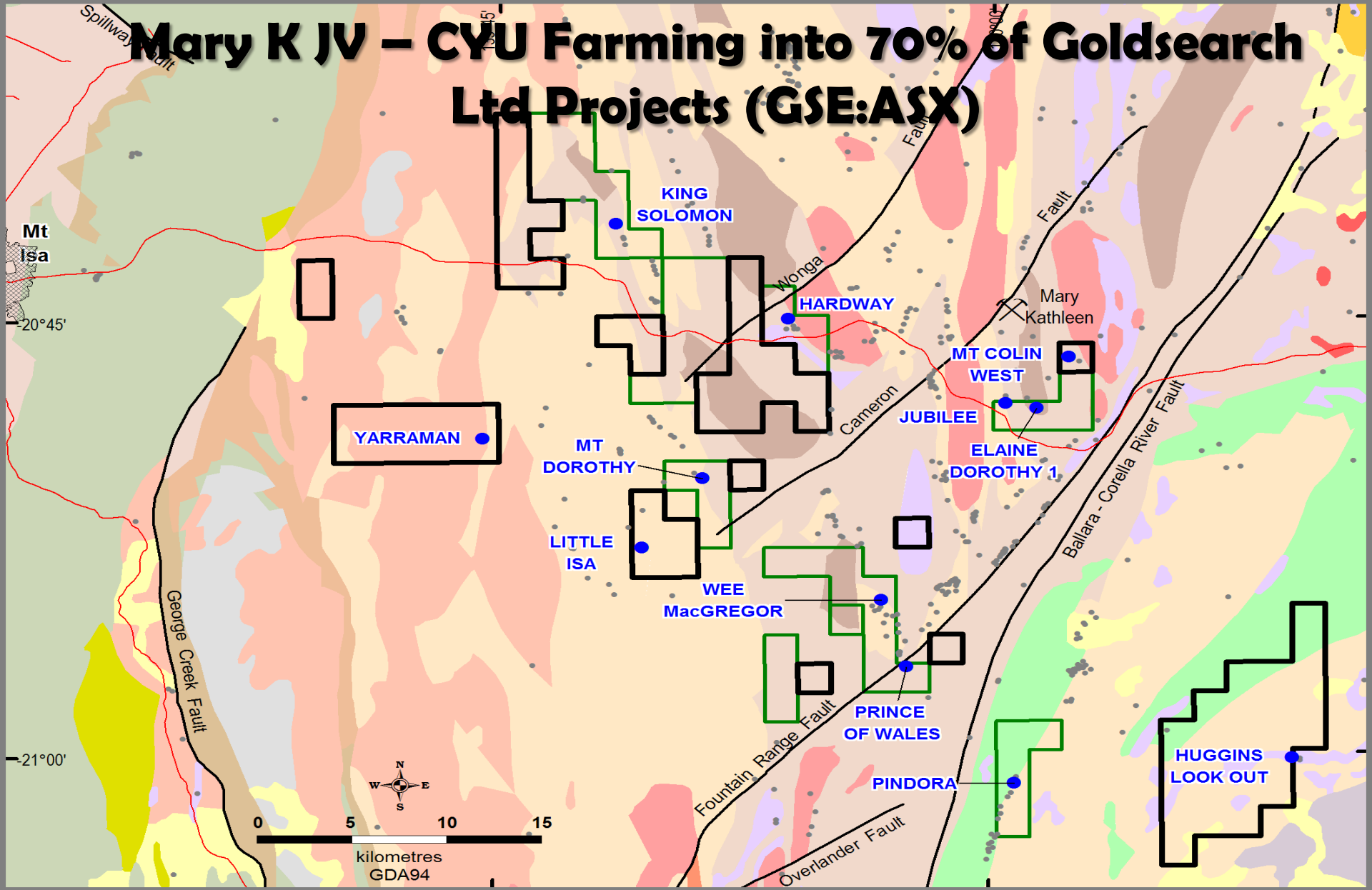
- Mt Dorothy Drill Results
- Gem JORC Inferred Resource
- 490,000t @ 0.5% Cu

### Target Progress – U REE

- Elaine JORC Inferred Resource
- 83,000t @ 3200 ppm REO,
- 0.28 kg/t U<sub>3</sub>O<sub>8</sub>



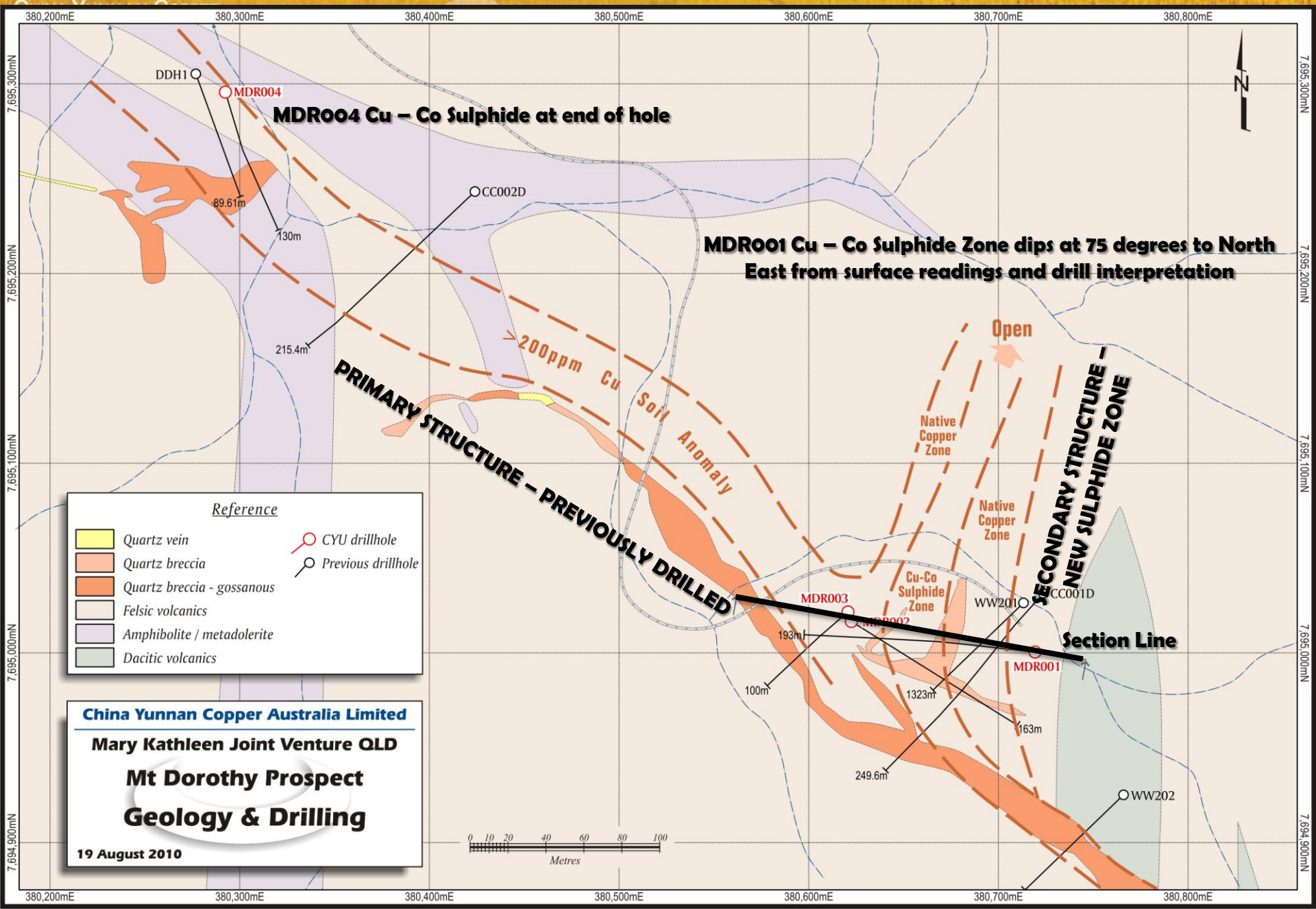
# Mary K JV – CYU Farming into 70% of Goldsearch Ltd Projects (GSE:ASX)











**Mary K JV – CYU Farming in to 100% Goldsearch  
Ltd Projects (GSE:ASX) including Mount Dorothy;  
MDR002 35m @ 1.52% Cu, 397ppm Co from 17m**



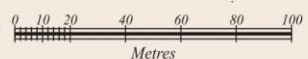
# Mount Dorothy Plan



Reference

- |   |                            |   |                    |
|---|----------------------------|---|--------------------|
|    | Quartz vein                |  | CYU drillhole      |
|    | Quartz breccia             |  | Previous drillhole |
|    | Quartz breccia - gossanous |   |                    |
|   | Felsic volcanics           |   |                    |
|  | Amphibolite / metadolerite |   |                    |
|  | Dacitic volcanics          |   |                    |

**China Yunnan Copper Australia Limited**  
**Mary Kathleen Joint Venture QLD**  
**Mt Dorothy Prospect**  
**Geology & Drilling**  
**19 August 2010**





# Mt Dorothy - Section

## Target Dimensions

- Ernest Henry style breccia mineralisation.

## Target Progress – Cu Au

- Mt Dorothy Drill Results
- 35 metres @ 1.52% copper and 397 ppm Co
- Chalcopyrite and chalcocite sulphide breccia surrounded by lower grade native copper ‘envelope’.
- Phase 2 - Depth and along strike drilling to build dimension in September.
- Cobalt credits.
- Possible metallurgical test work after Phase 2 drilling.





***MDR002 shallow visible primary sulphide mineralisation in RC drill chips. The interval 20m – 25m returned assays of 5m @ 3.15% copper, 1,473ppm cobalt.***





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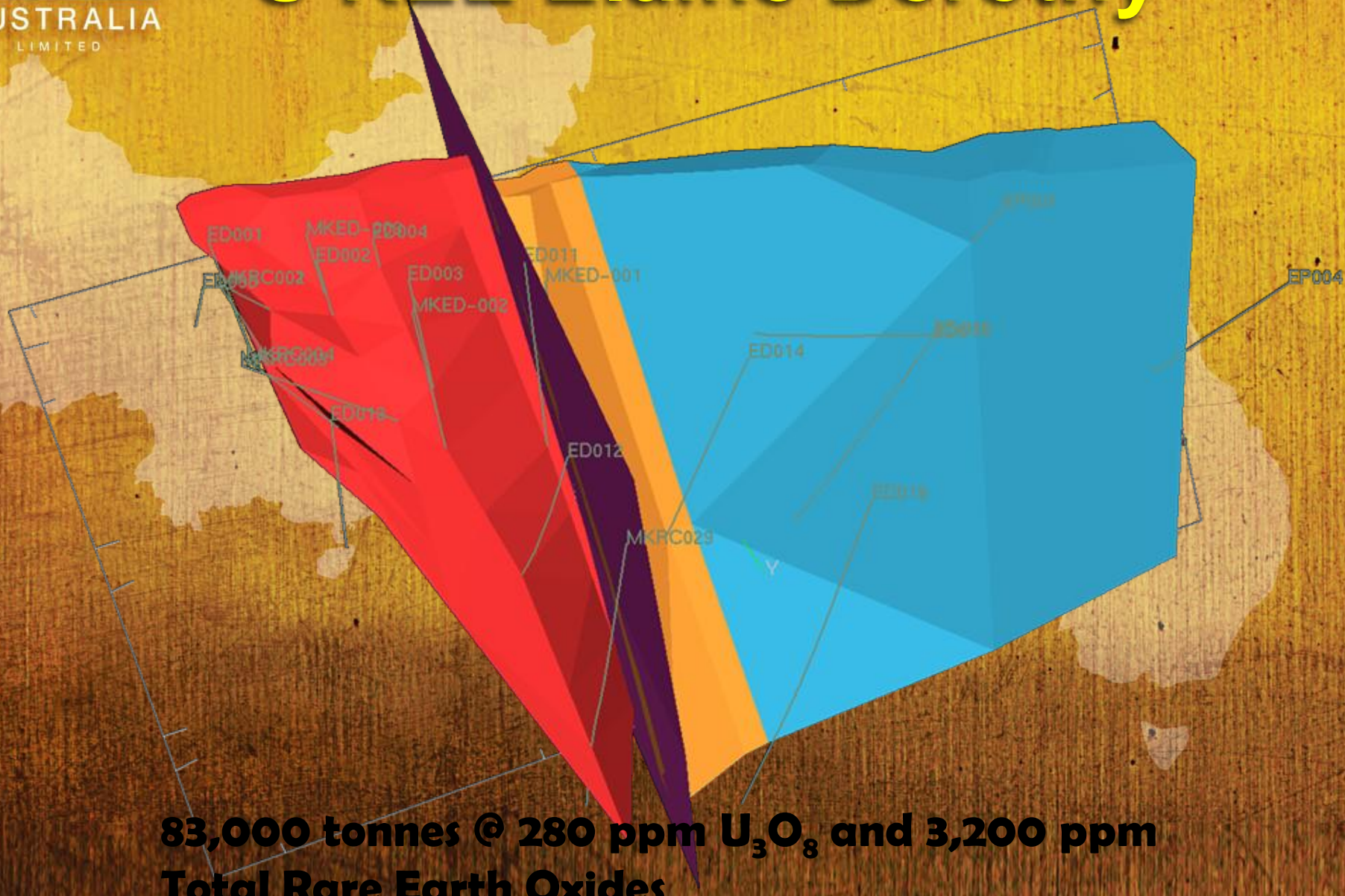
***MDR001, 002 and  
003 - Peripheral  
Native copper  
'envelope'***





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# U REE Elaine Dorothy

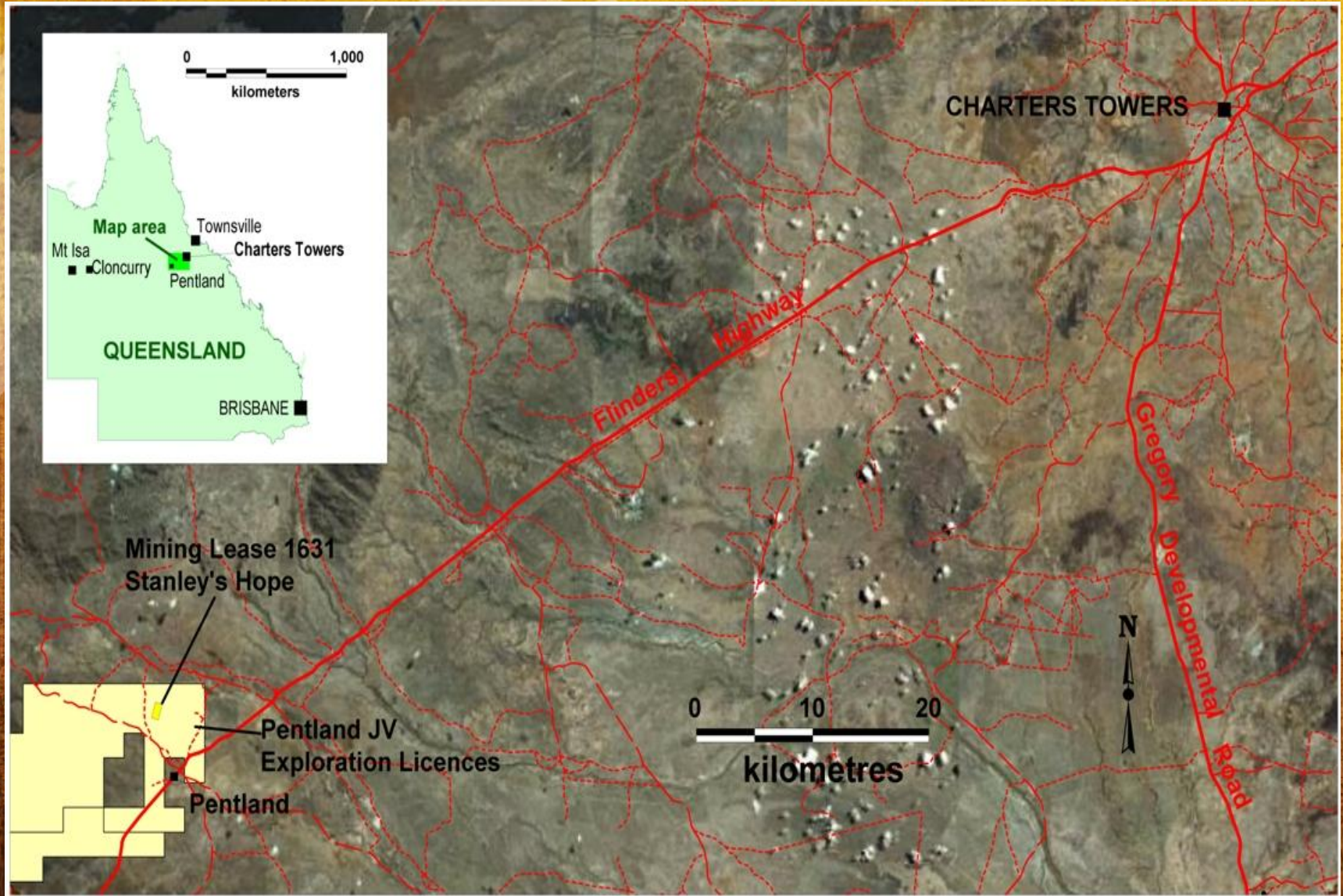


**83,000 tonnes @ 280 ppm  $U_3O_8$  and 3,200 ppm  
Total Rare Earth Oxides**



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# NE Qld – Gold Exploration

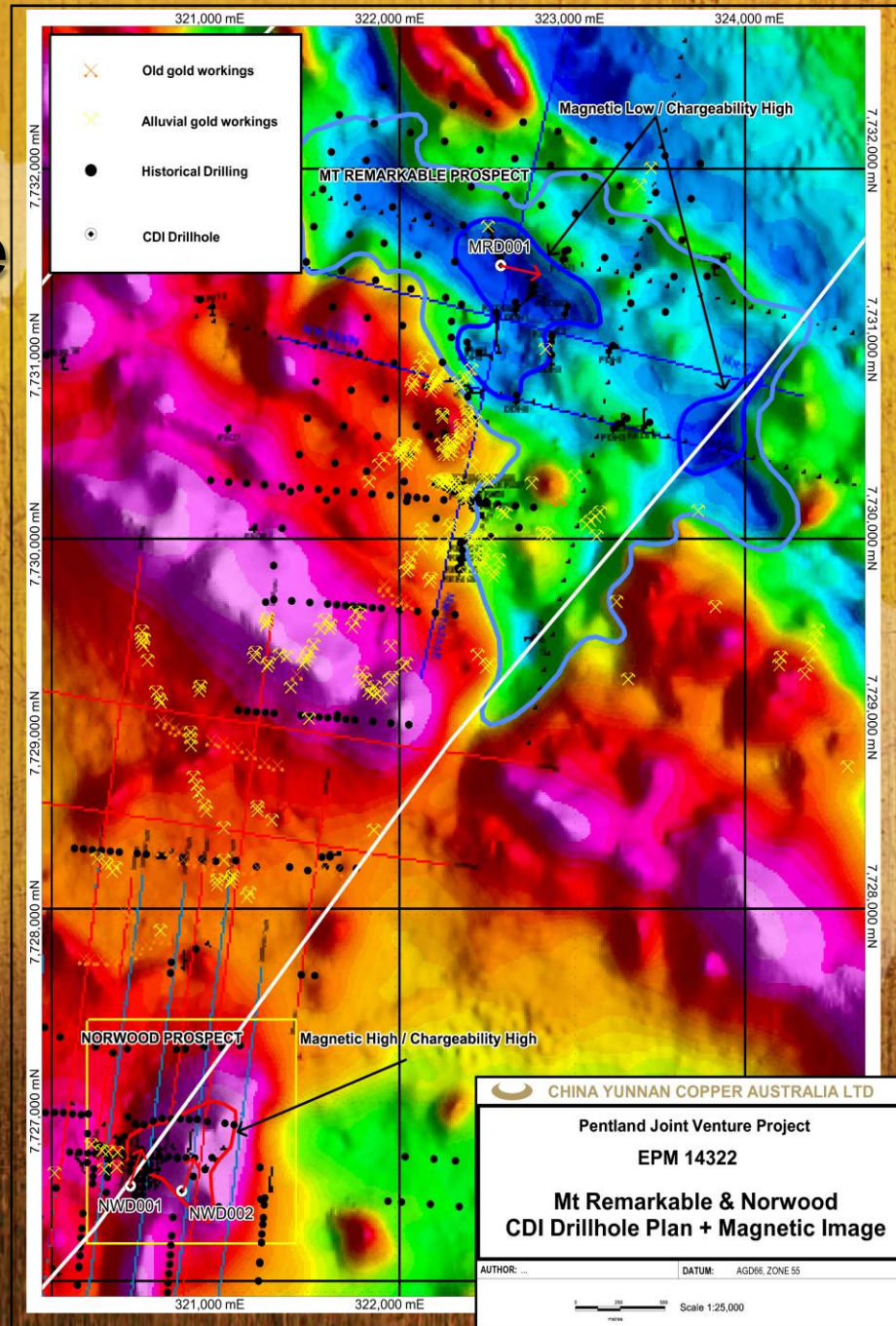




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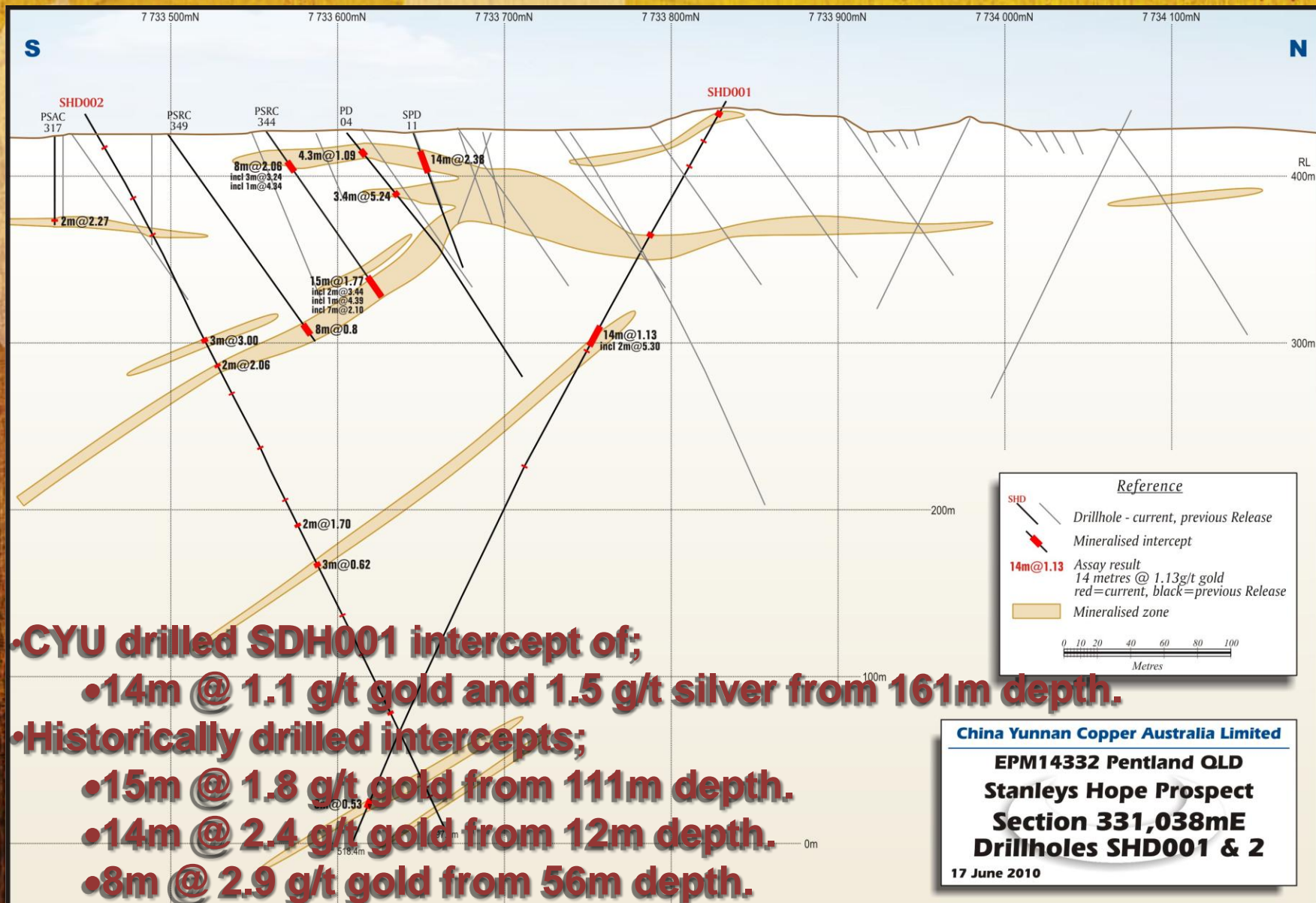
# Pentland Joint Venture

- Joint Venture with Activex Ltd
- Diamond drilling with Qld Government support for large scale gold copper porphyry
- Strong alteration, possibly related to a mineralised core in the case of Mount Remarkable
- Check mapping and some PIMA work to vector to core





# Stanley's Hope ML – Shallow Gold



•CYU drilled SDH001 intercept of;

•14m @ 1.1 g/t gold and 1.5 g/t silver from 161m depth.

•Historically drilled intercepts;

•15m @ 1.8 g/t gold from 111m depth.

•14m @ 2.4 g/t gold from 12m depth.

•8m @ 2.9 g/t gold from 56m depth.

China Yunnan Copper Australia Limited

EPM14332 Pentland QLD  
Stanleys Hope Prospect  
Section 331,038mE  
Drillholes SHD001 & 2

17 June 2010



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# Stanley's Hope Gold

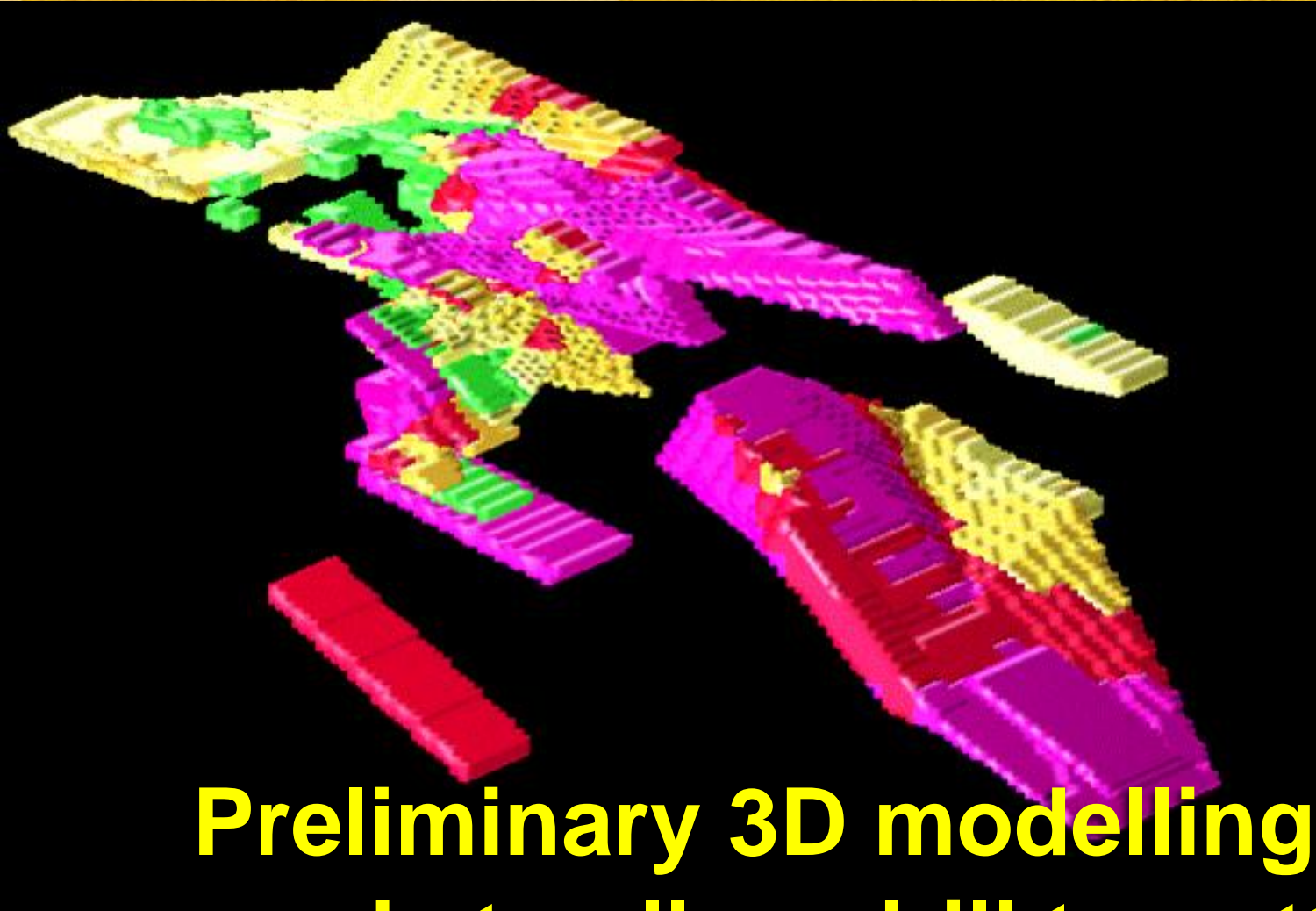
- Granted Mining Lease
- Epithermal Gold
- Shallow zone
- Diamond Drilling allowed structural model





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# Stanley's Hope – Open at shallow levels



**Preliminary 3D modelling of grade to allow drill targetting**





# Chile Copper - Humito

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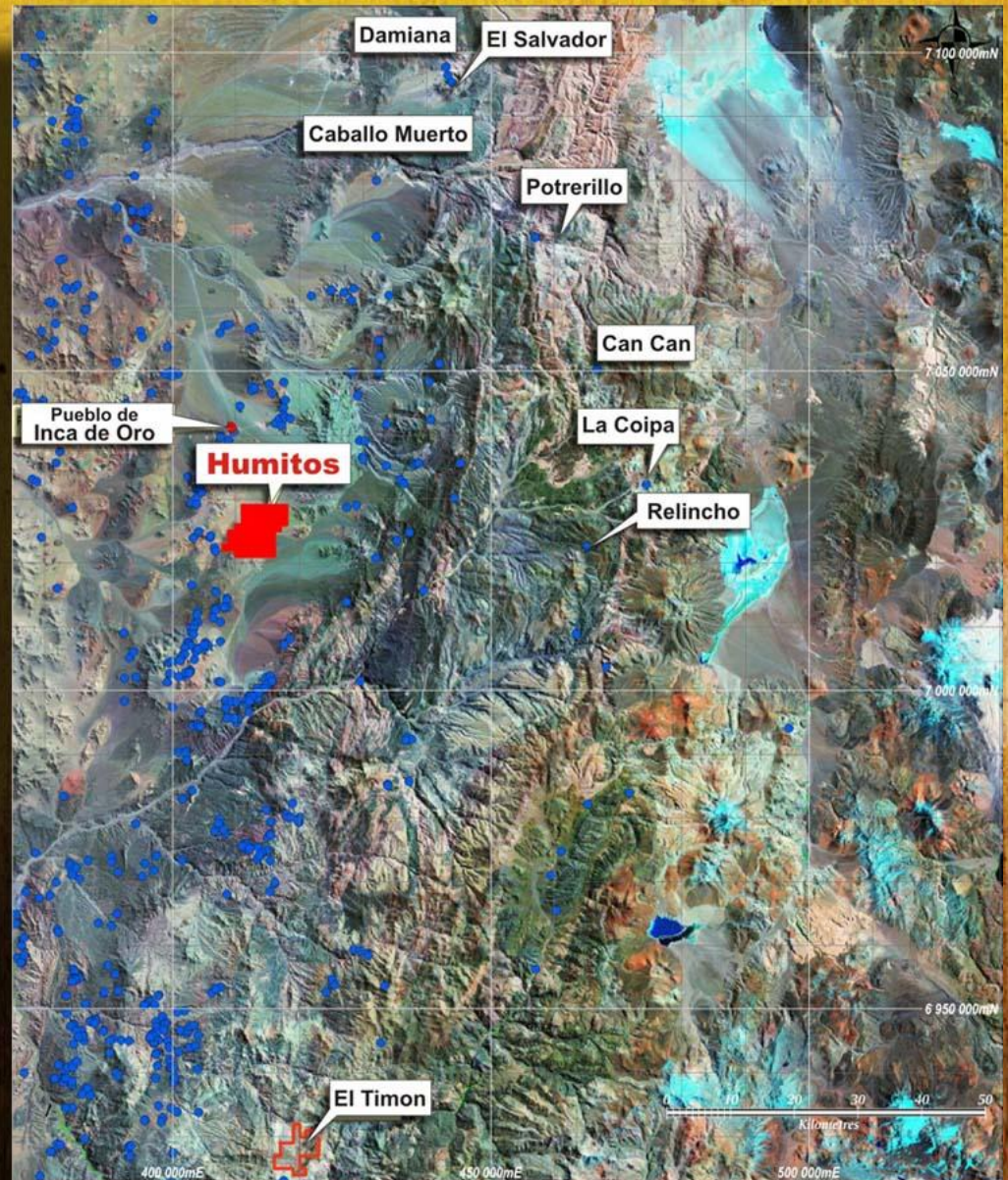
Chile – largest copper production industry globally.

CYU Management has proven track record in Chile/Porphyry systems.

Large scale system mapped and lightly drilled by Kennecott at Humitos.

Ground magnetics complete, geochem sampling complete, assays pending.

Concealed supergene Copper blanket probable.





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# Humito – Preserved Porphyry System



# Ground Mag Done - Geochem Done

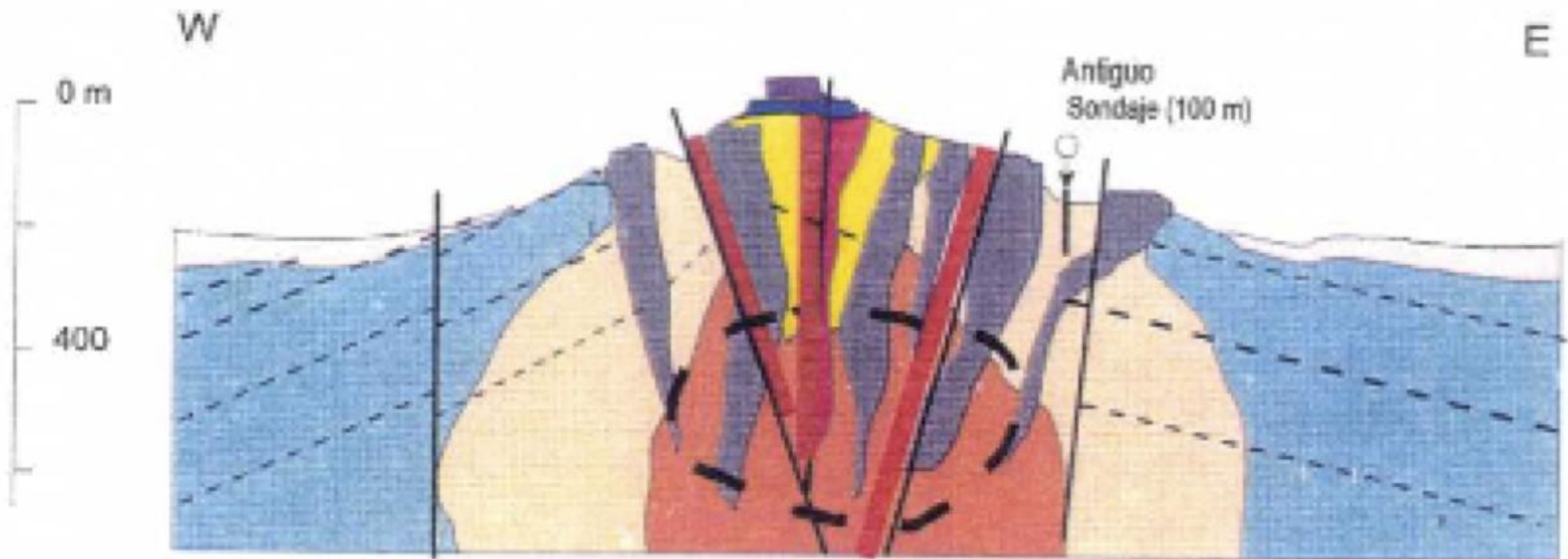




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# Large Scale Target - Humito

PORFIDO SIERRA EL HUMITO : PERFIL ESQUEMATICO TENTATIVO



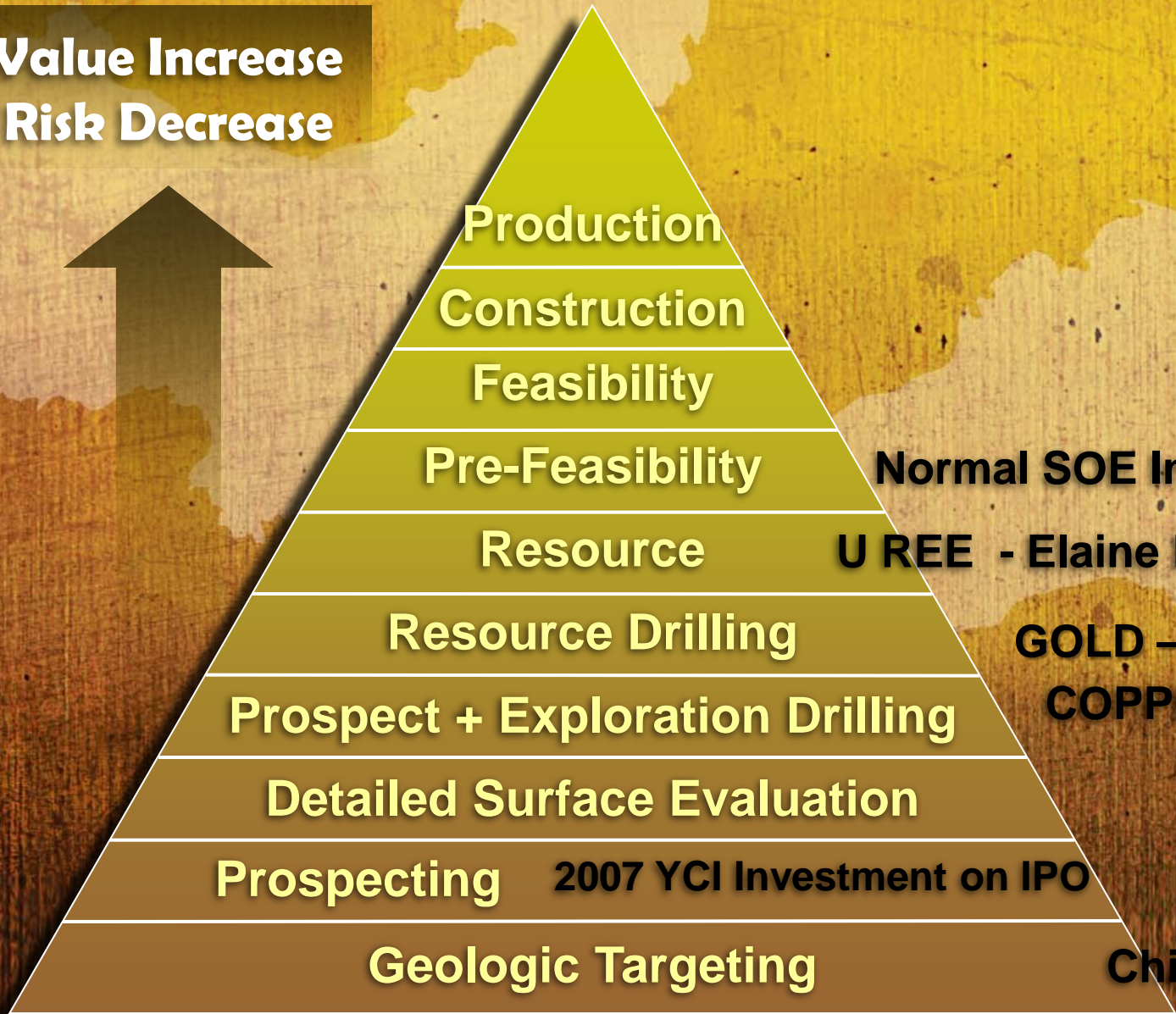
## Planning Drilling of Untested Copper Porphyry Target



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# Risk Reward Profile

**Value Increase**  
**Risk Decrease**



**Production**

**Construction**

**Feasibility**

**Pre-Feasibility**

**Resource**

**Resource Drilling**

**Prospect + Exploration Drilling**

**Detailed Surface Evaluation**

**Prospecting**

**Geologic Targeting**

**Normal SOE Investment here**

**U REE - Elaine Dorothy , Cu - Gem**

**GOLD - Stanley's Hope**

**COPPER - Humitos, Mt Dorothy**

**2007 YCI Investment on IPO**

**Chile, Australia, China**



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# Chinalco Yunnan Copper –

CYU's cornerstone investor



Chinalco

49%

Yunnan Copper Industry Group  
(YCI)

22%

China Yunnan Copper Australia  
(ASX:CYU)



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# Chinalco. Yunnan Copper



- 6 mines in production
- 3 mines in development
- Most are IOCG Style

## Yunnan Copper 2009

- 286,000t copper cathode
- 310 tonnes silver
- 8 tonnes gold
- 12,000 employees
- Revenue A\$2.75 B

## Elsewhere

- Zambia
- Laos, Philippines





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# CYU – Testing a Quality Pipeline

- More Exploration Ventures Probable.
- Communicate in transparent manner all results.
- Assets ranked by geological quality first.
- Only large target styles in low risk jurisdictions.

## CYU Track Record

- Resources from greenfields exploration.





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**ASX : CYU**

**上市代码 : CYU**

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# Cautionary Note and Competent Persons Statement

## *Cautionary Note*

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## *Competent Persons Statement*

*The information in this report that relates to Inferred Resource for Gem, and exploration results for Mount Dorothy, Stanleys Hope and Humito is based on information compiled by Jason Beckton, who is a Member of the Australian Institute of Geologists and a member of the Australasian Institute of Mining and Metallurgy, and is the Managing Director of China Yunnan Copper Australia Ltd. Mr Beckton has sufficient experience relevant to the styles of mineralisation and type of deposits under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results and Mineral Resources". Mr Beckton consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

*The information in this report that relates to the Inferred Resource for the Elaine Dorothy is based on information compiled by Arnold van der Heyden, who is a Member of the Australasian Institute of Mining and Metallurgy and is a Consulting Geologist for Hellman and Schofield Pty Ltd. Mr van der Heyden 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 a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results and Mineral Resources". Mr van der Heyden consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*