

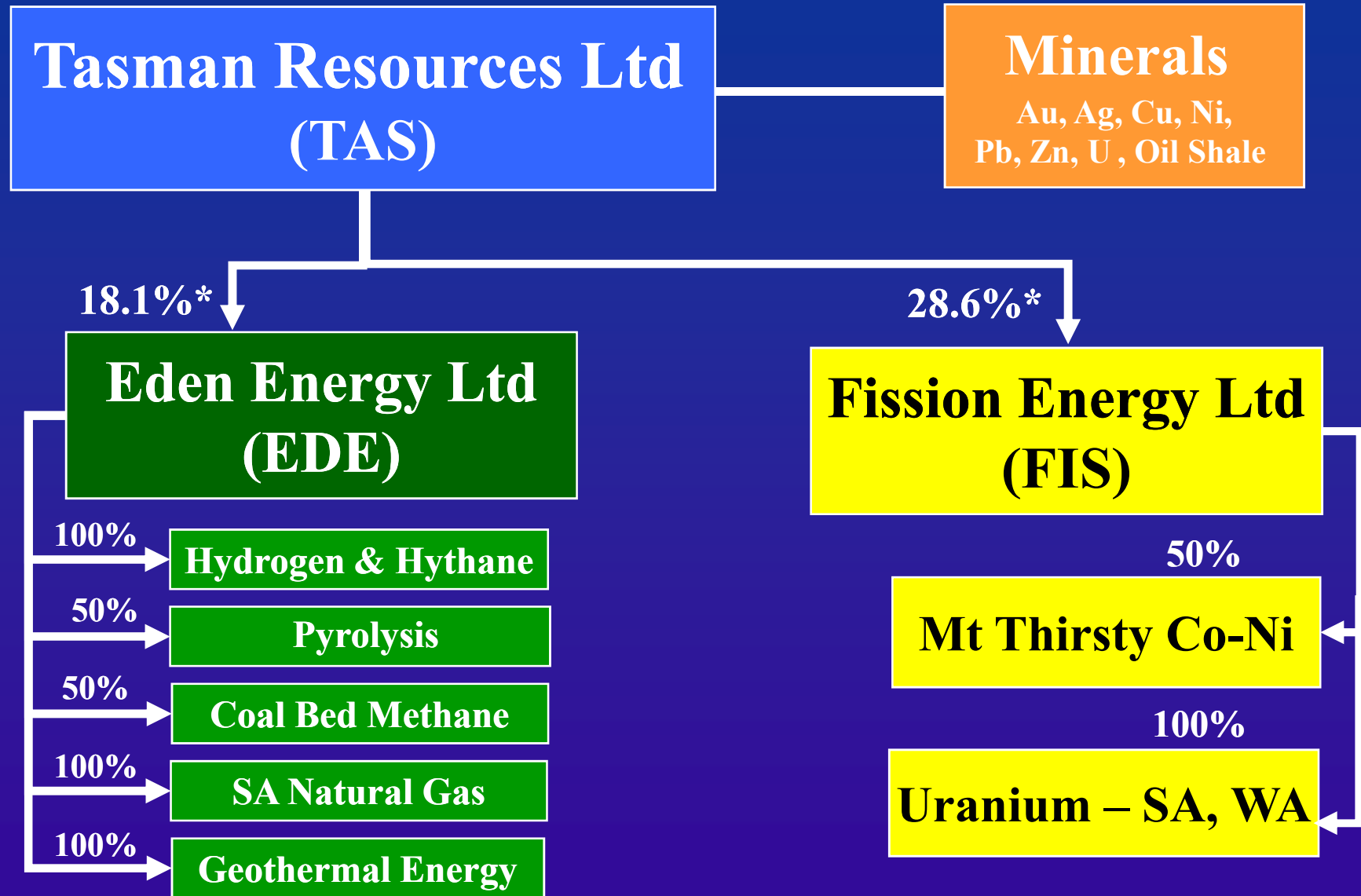


# **A Promising Year Ahead**

**Greg Solomon and Rob Smith**

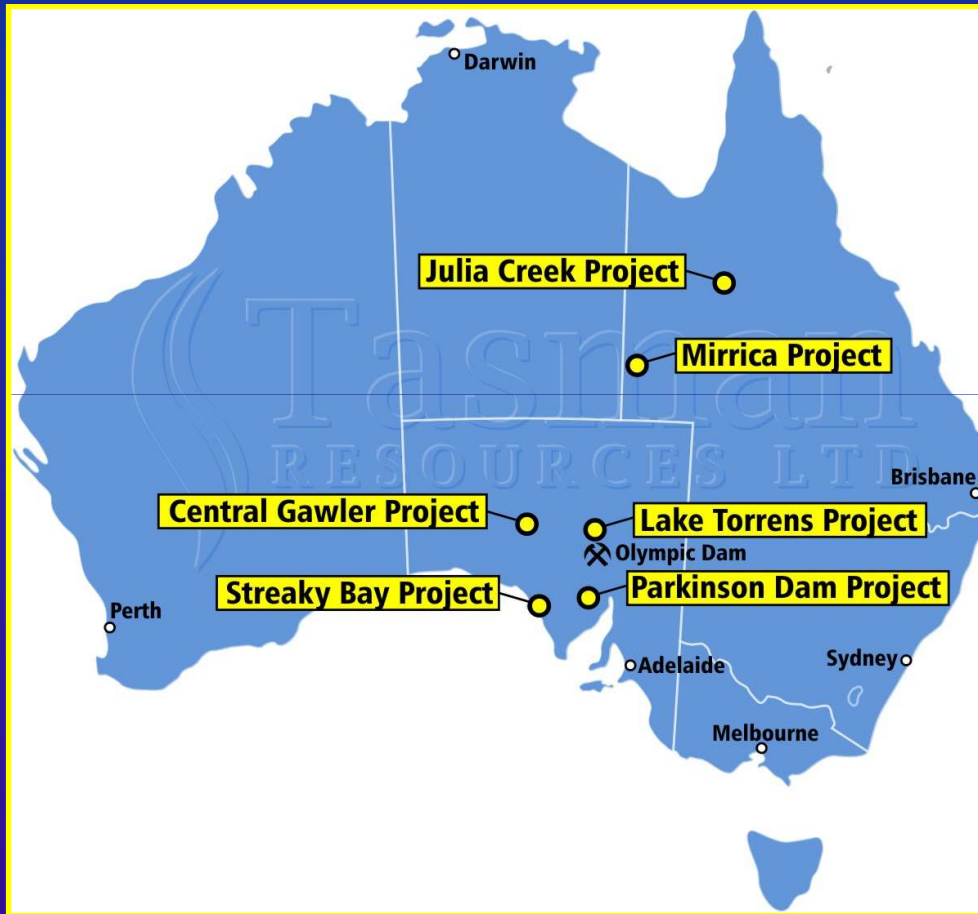
**October 2009**

# Tasman Group Corporate Overview



\* = fully diluted

# Tasman Resources: Project Locations



**Julia Creek: Oil Shale**

**Mirrica: Au, Cu/Zn/Pb**

**Lake Torrens: IOCGU**

**Parkinson Dam:  
Au/Ag/Zn/Pb**

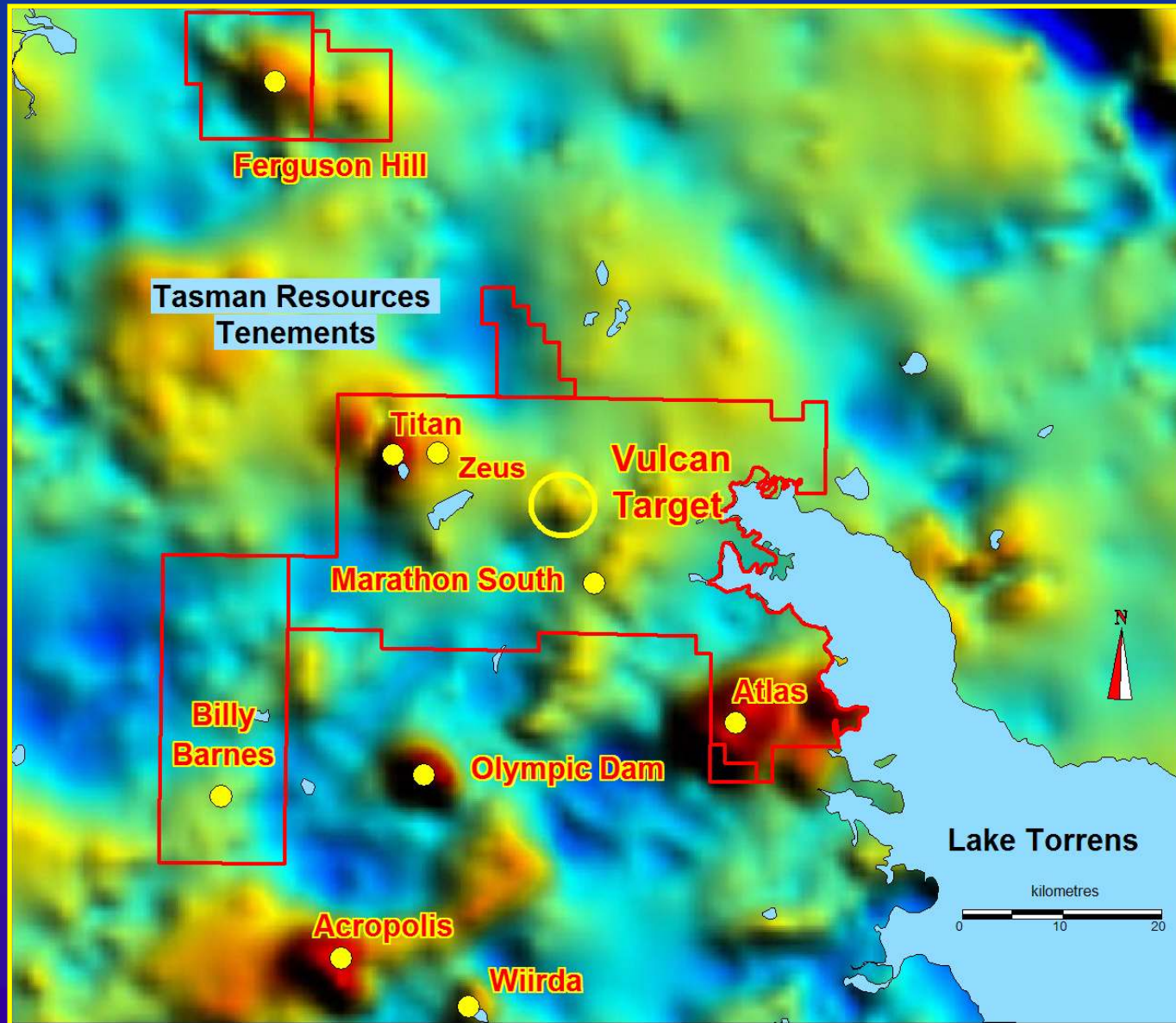
**Central Gawler: Au, Ni**

**Streaky Bay: U**

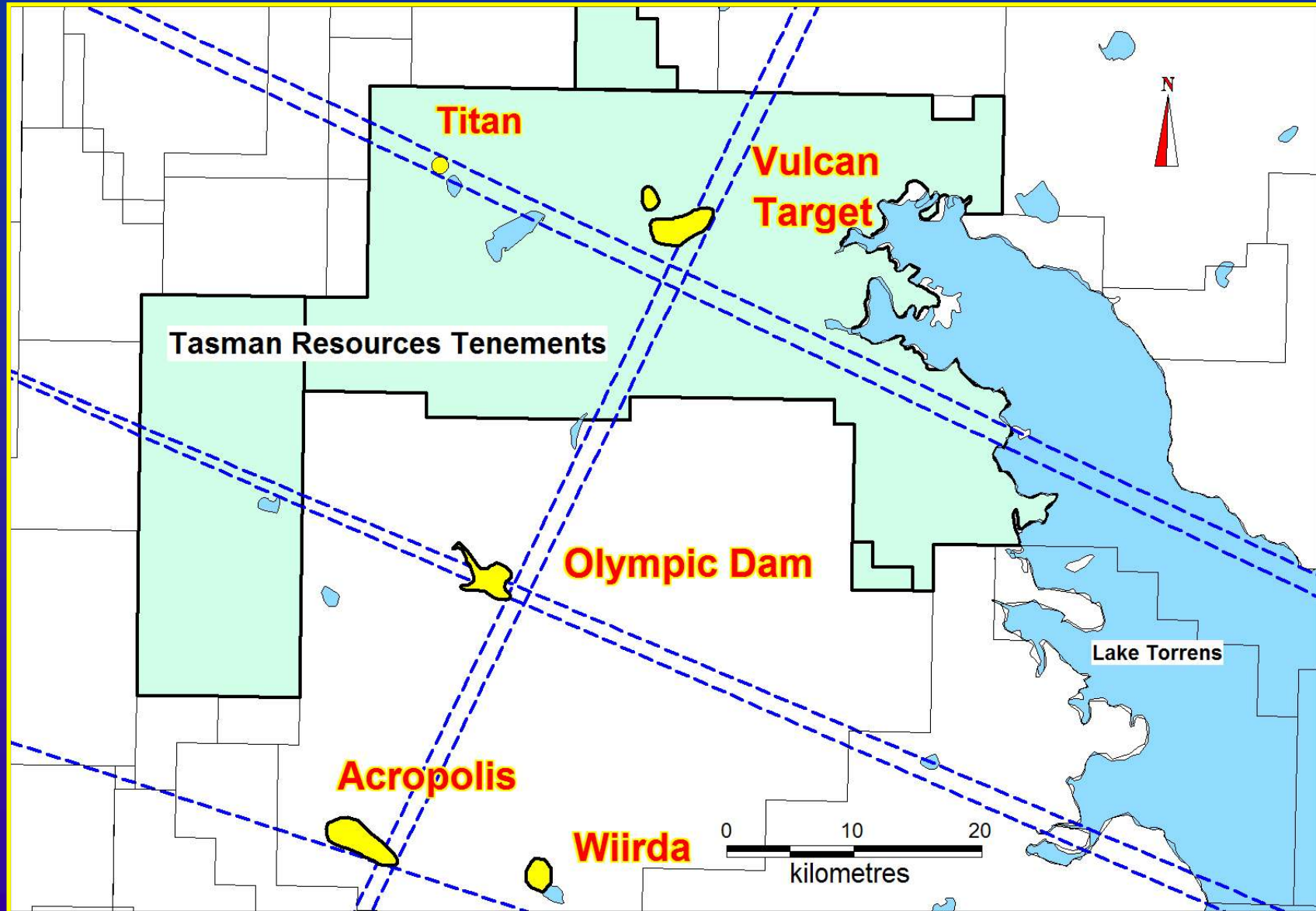
## Lake Torrens Project

- **2,007 km<sup>2</sup> of tenements adjacent to Olympic Dam**
- **High quality target at Vulcan – drilling October 2009**
- **IOCGU mineralisation at Titan (inc. 334m @ 0.1% Cu)**
- **Untested targets at Marathon Sth, Zeus, Billy Barnes, Atlas**

# Lake Torrens Project: Targets

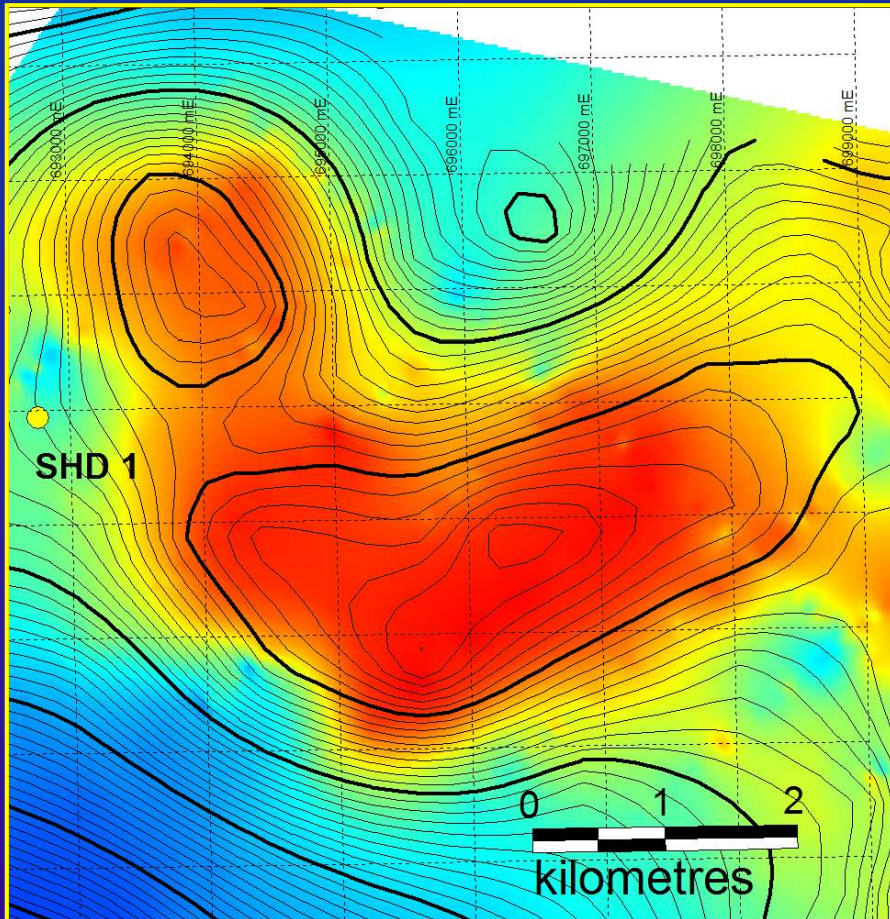


# Lake Torrens Project

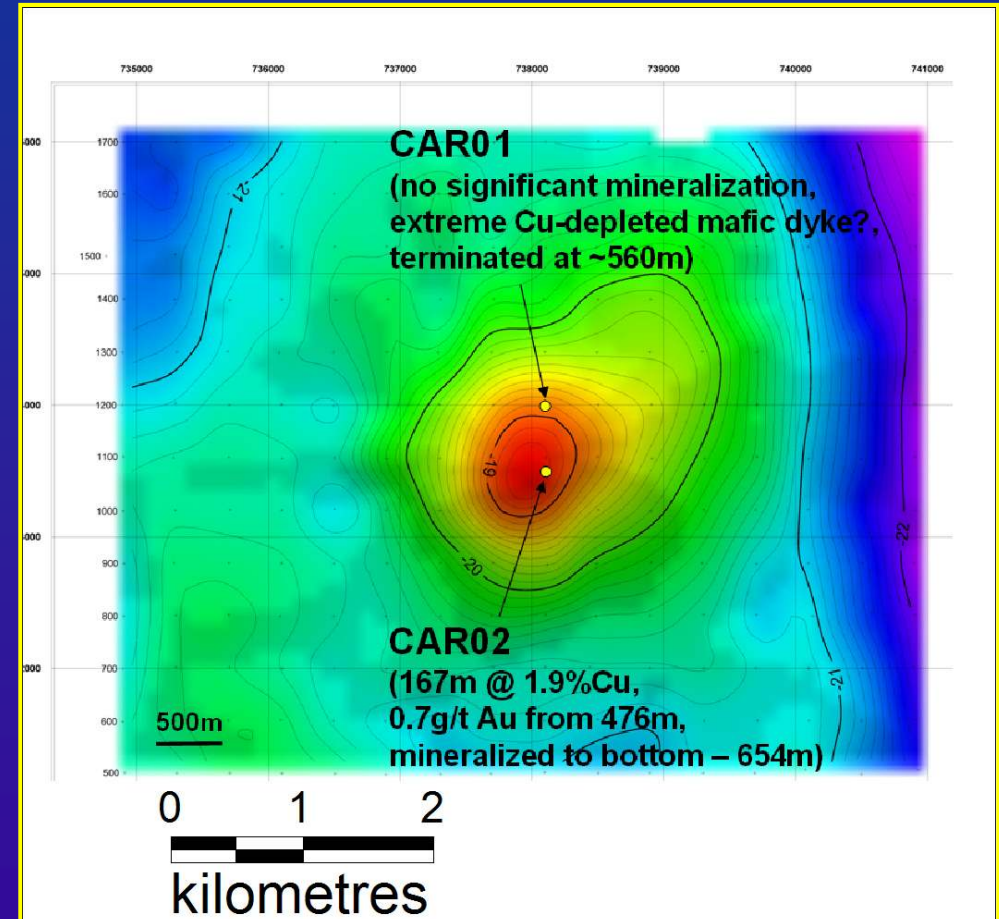


# Bouguer Gravity Comparison

## Vulcan

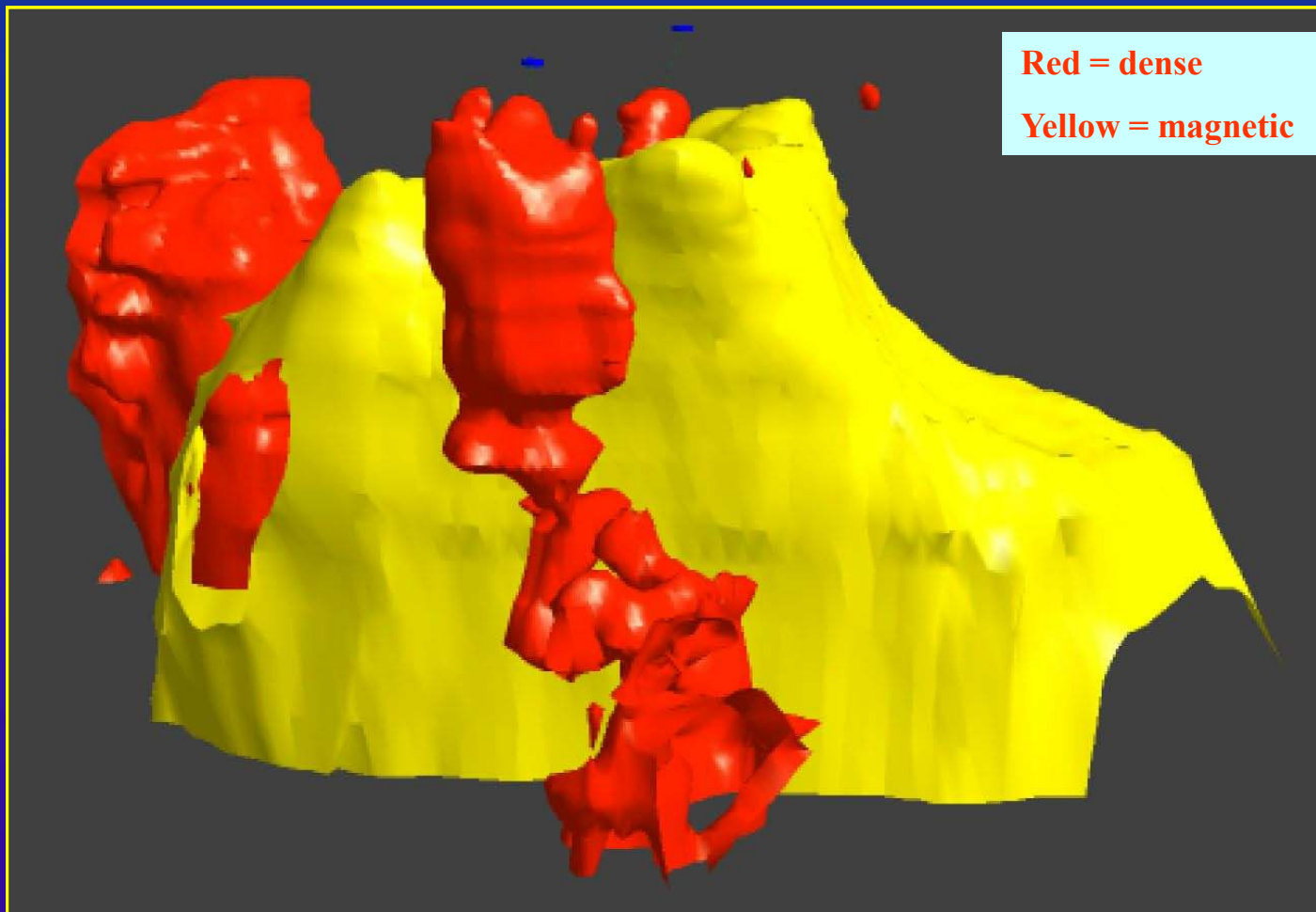


## Carapateena



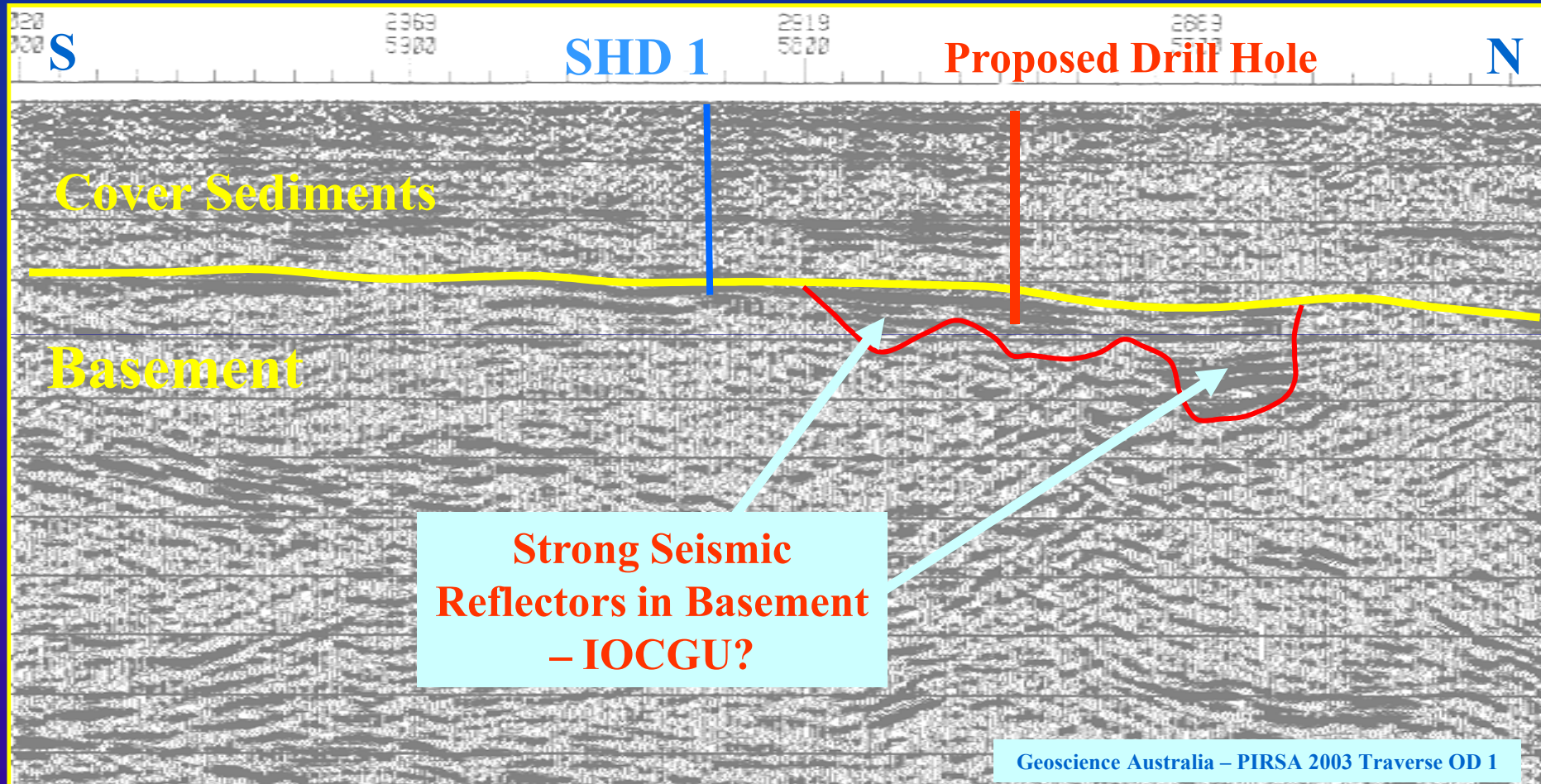
# Tasman Resources: Vulcan Prospect

## 3-D Geophysical Model (UBC)

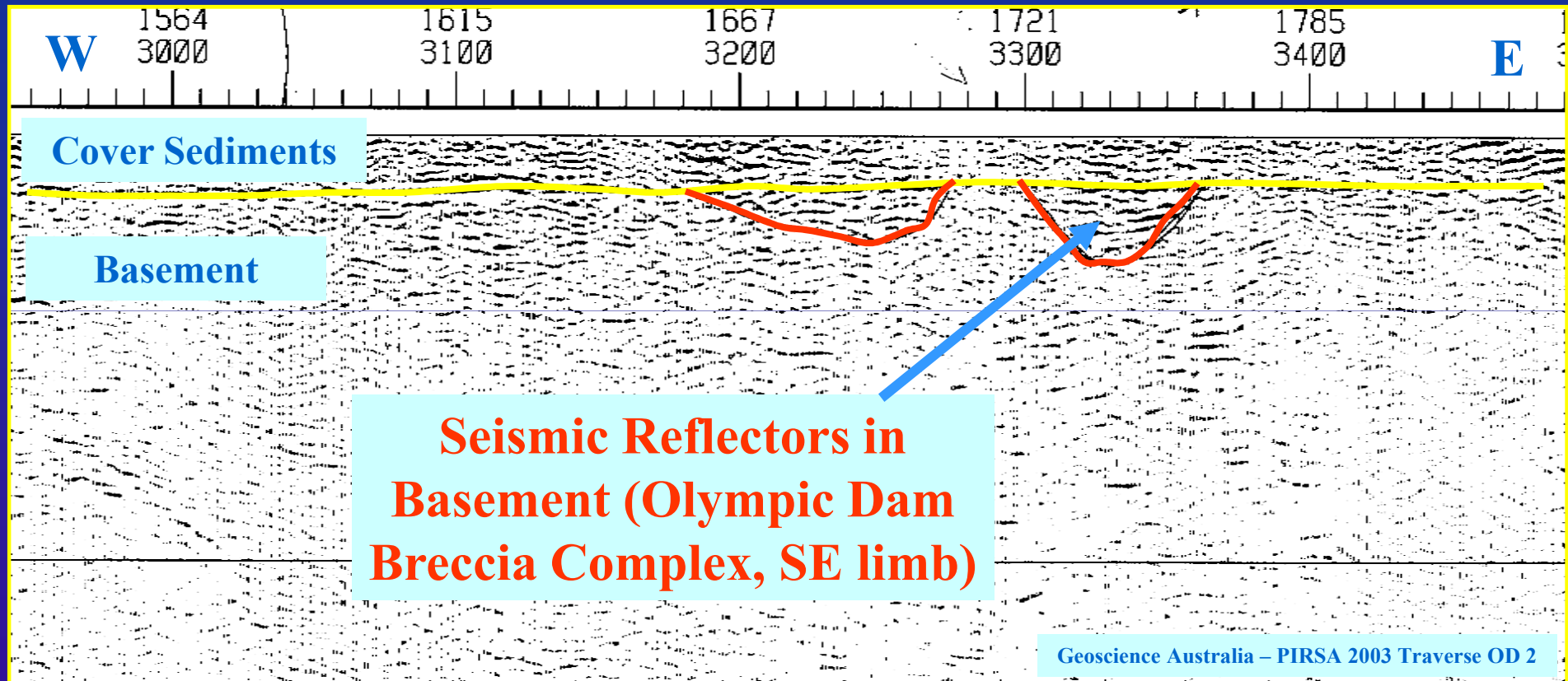




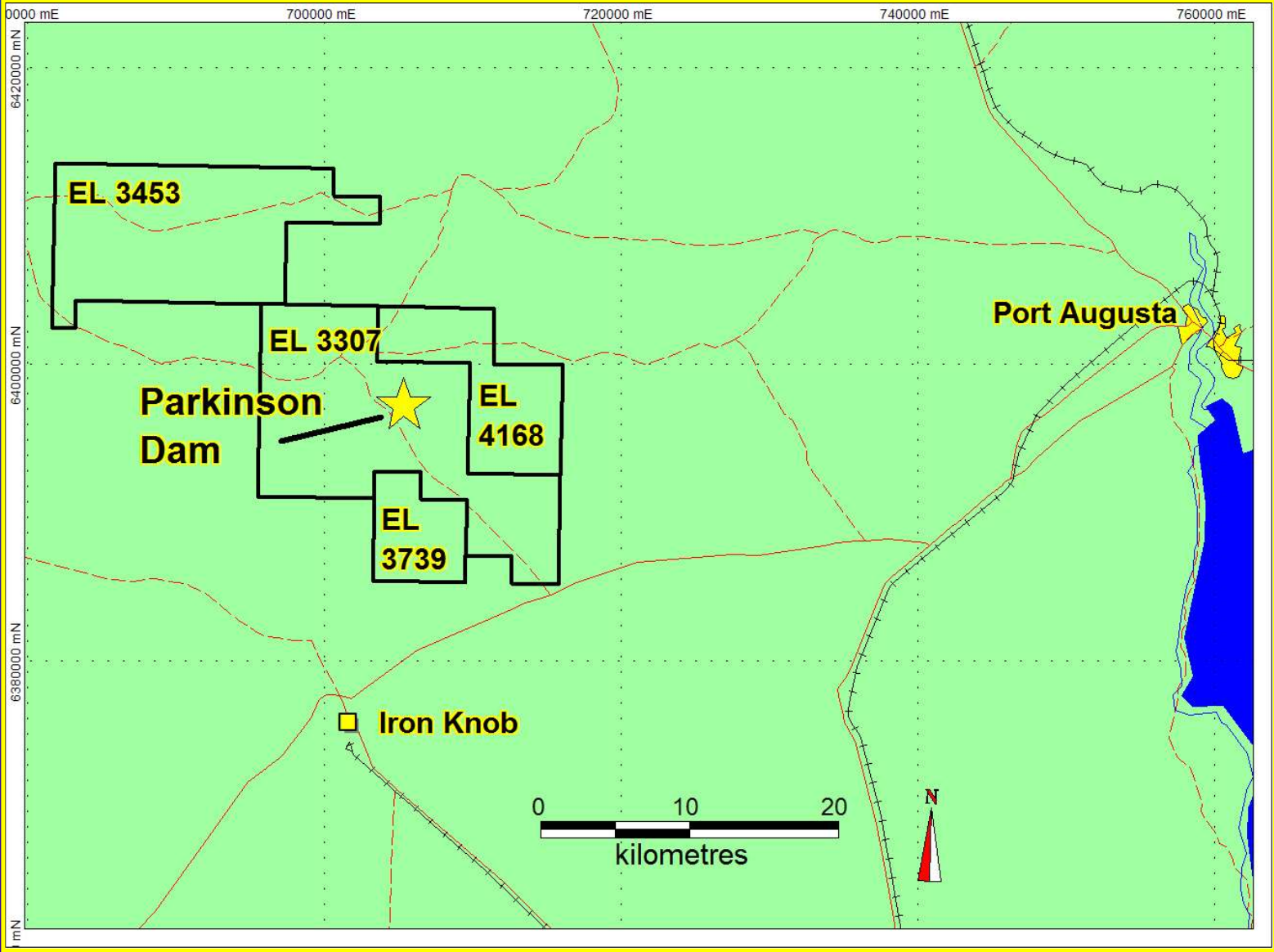
# Vulcan: S-N Seismic Reflection Profile



# Olympic Dam: W-E Seismic Reflection Profile



# Parkinson Dam Location

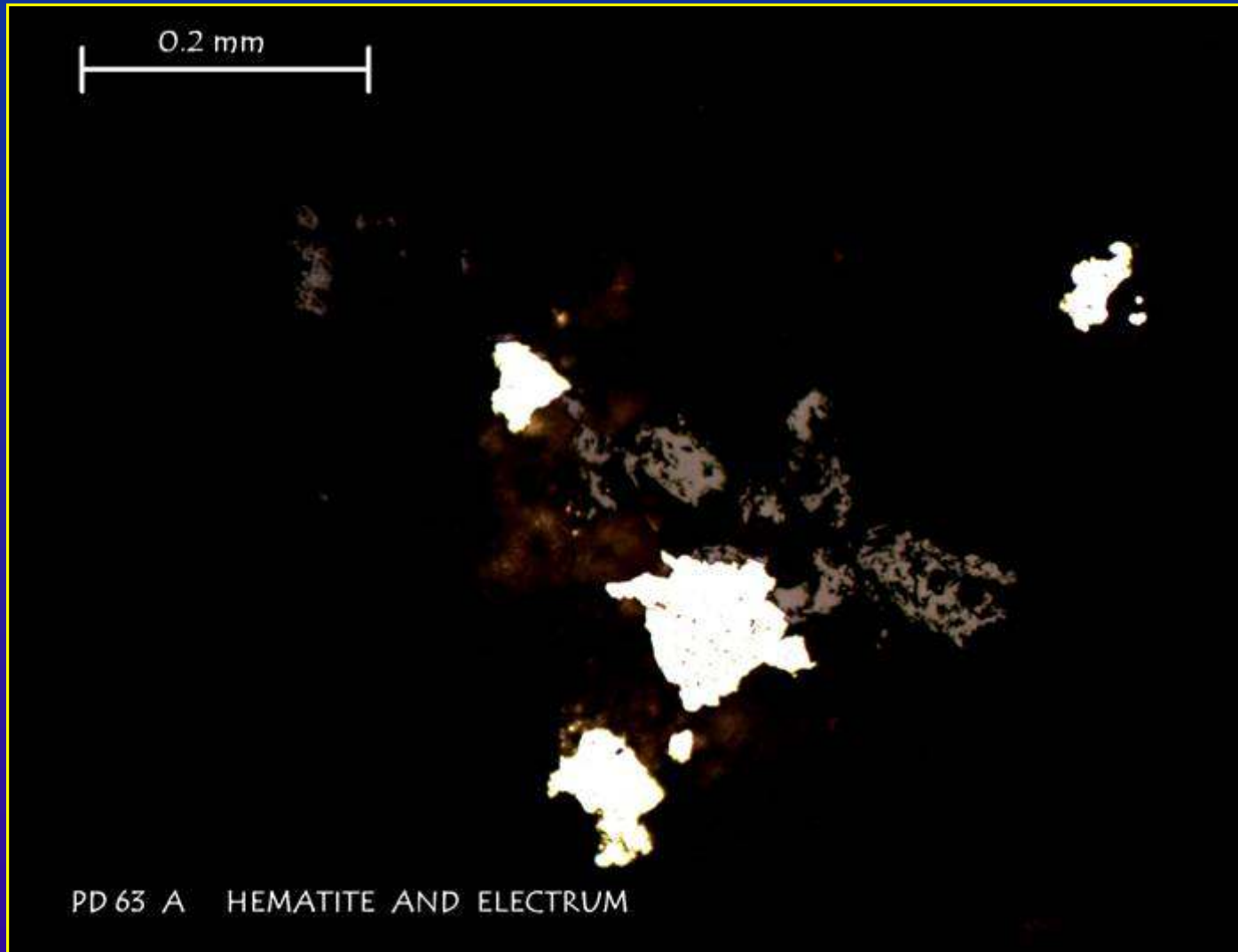


# Parkinson Dam – High Grade Mineralisation



- **PD 63: 21m @ 21g/t Au, 83g/t Ag (inc 9m @ 31g/t Au, 152 g/t Ag)**
- Classic epithermal veining
- Gold (electrum ~ 35% Ag)
- **PD 64: 3m @ 18.1% Pb, 1.1% Zn, 44.2g/t Ag**
- Epithermal mineralisation > 4.5 km<sup>2</sup>

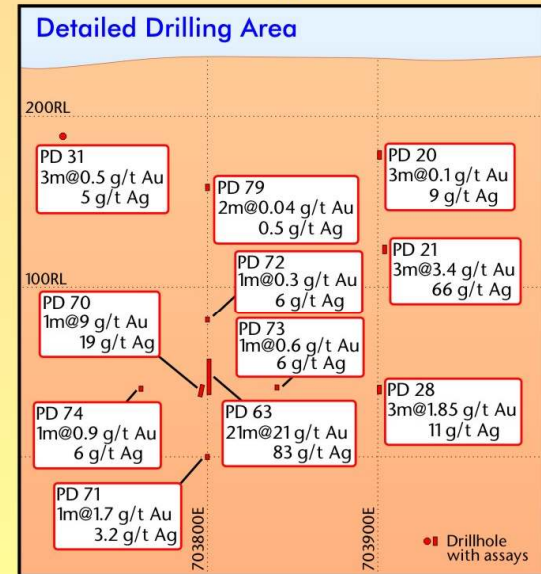
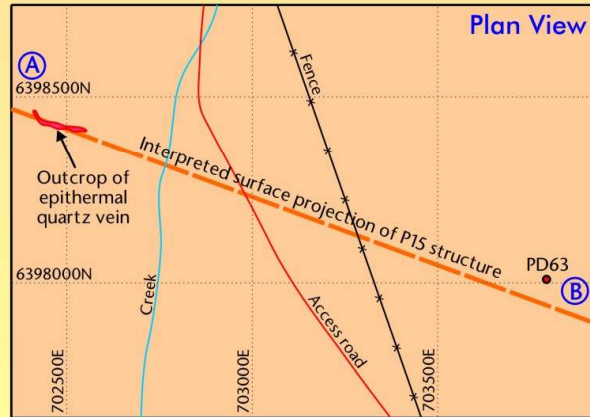
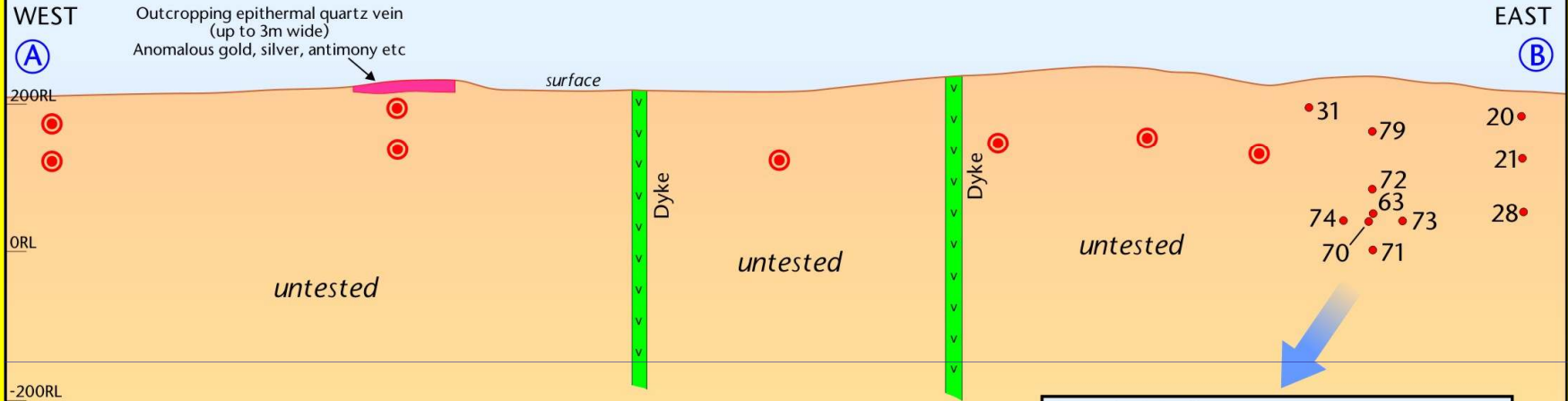
# Parkinson Dam: Gold-Silver Mineralisation



Free gold (electrum) associated with epithermal quartz and haematite

# Parkinson Dam: Recent Drilling

## Parkinson Dam Project : Longitudinal Section of P15 Structure (looking North)



702000E

702500E

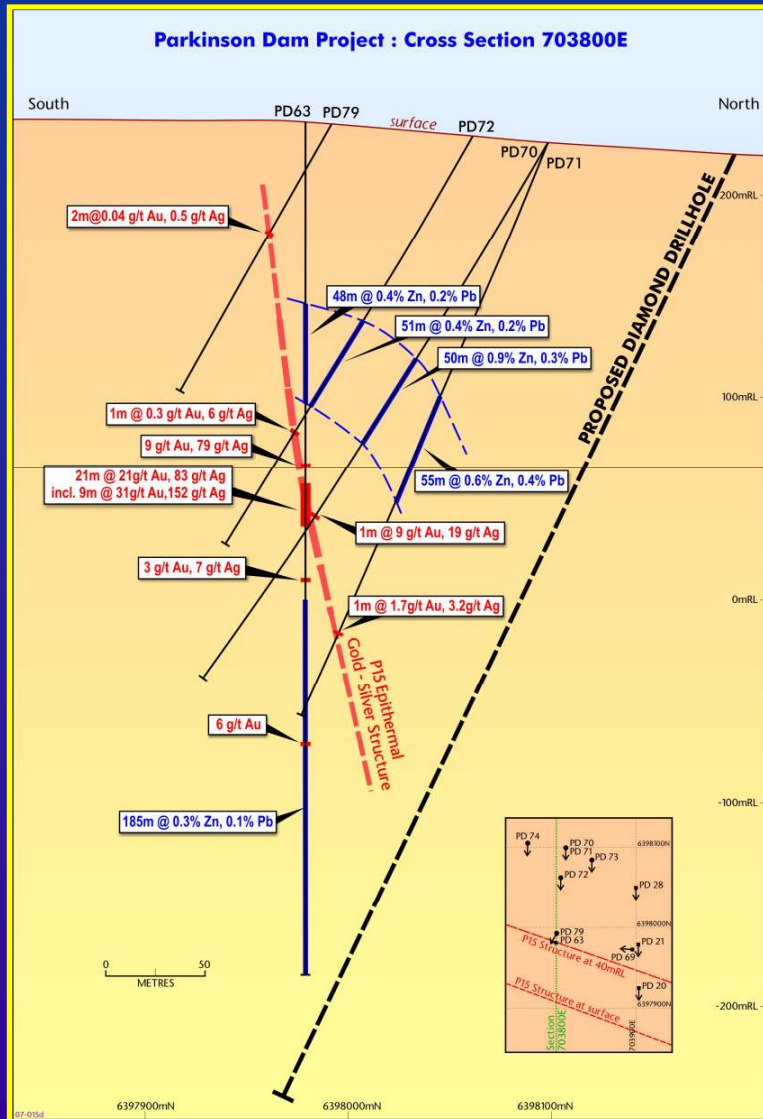
703000E

703500E

704000E

08-003c

# Parkinson Dam: High Grade Au/Ag plus Zn/Pb



PD 63 - high grade Au/Ag

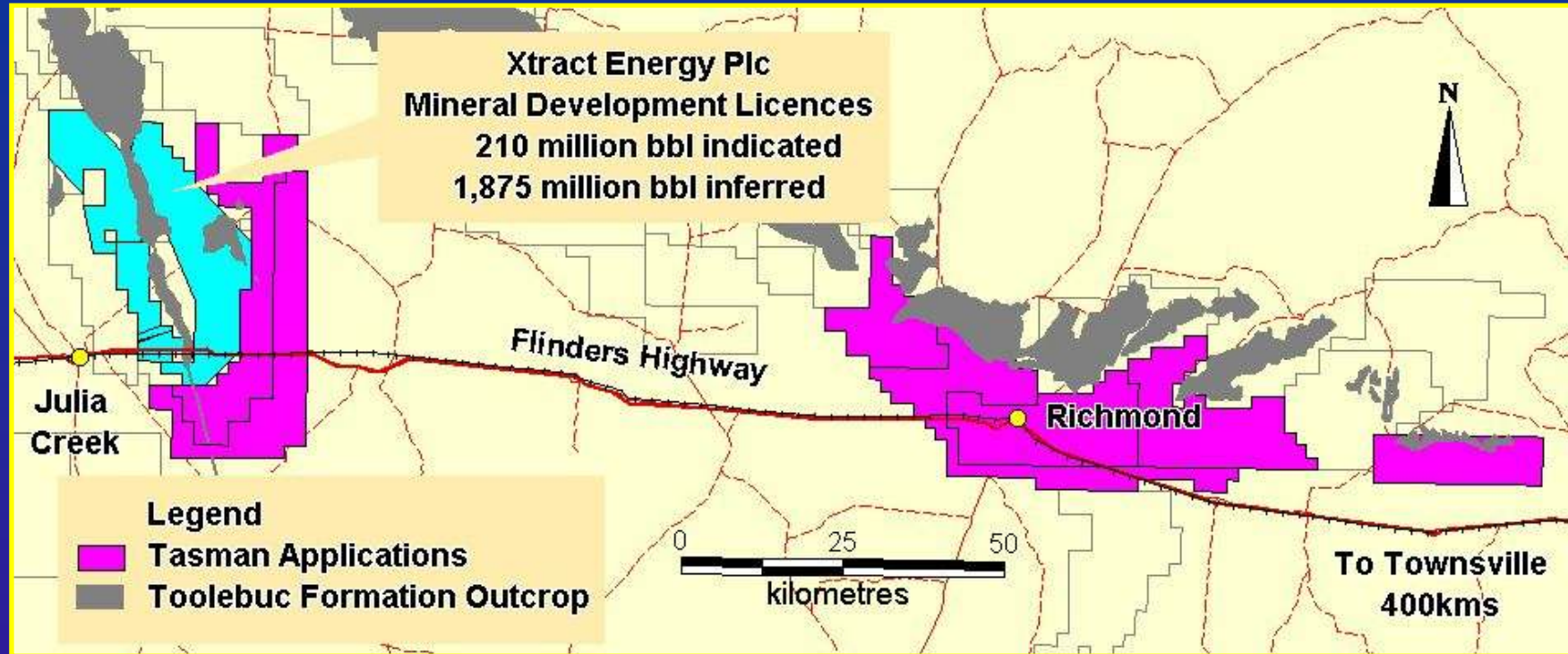
Multiple Zones of thick Zn/Pb (Ag), e.g.

**\*50m @ 0.9% Zn, 0.3% Pb**

**\*185m<sup>+</sup> @ 0.3% Zn, 0.1% Pb**

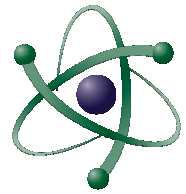
Vector pointing towards higher grades to be drilled

# Julia Creek Oil Shale Project, Qld



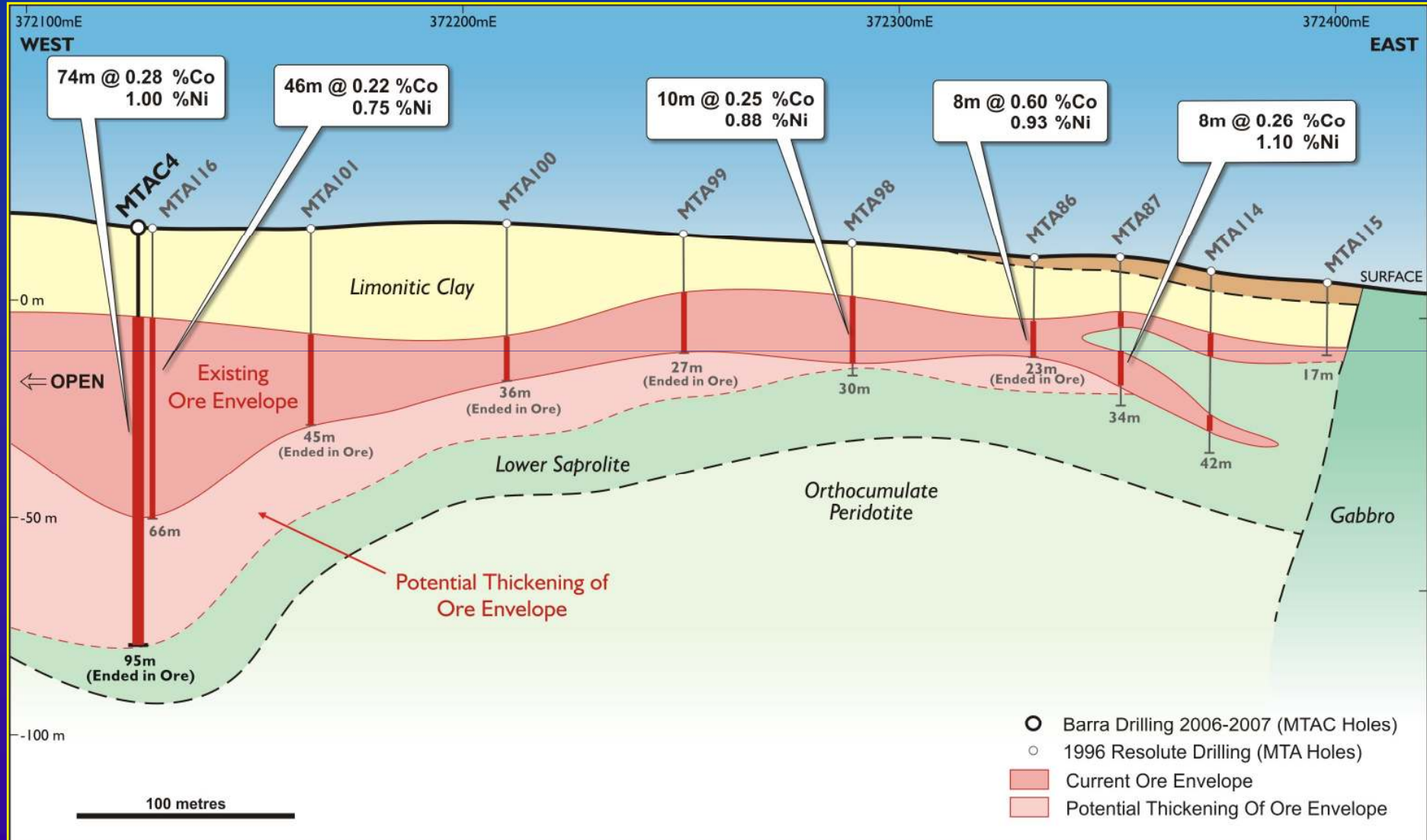
- EPM Applications 1800km<sup>2</sup> over Toolebuc Formation
- Shallow, potentially open-pittable areas selected
- Reported conventional oil shale yields 65-75 l/t
- Extract developing higher yielding hydrogenation process





***Fission Energy Ltd***

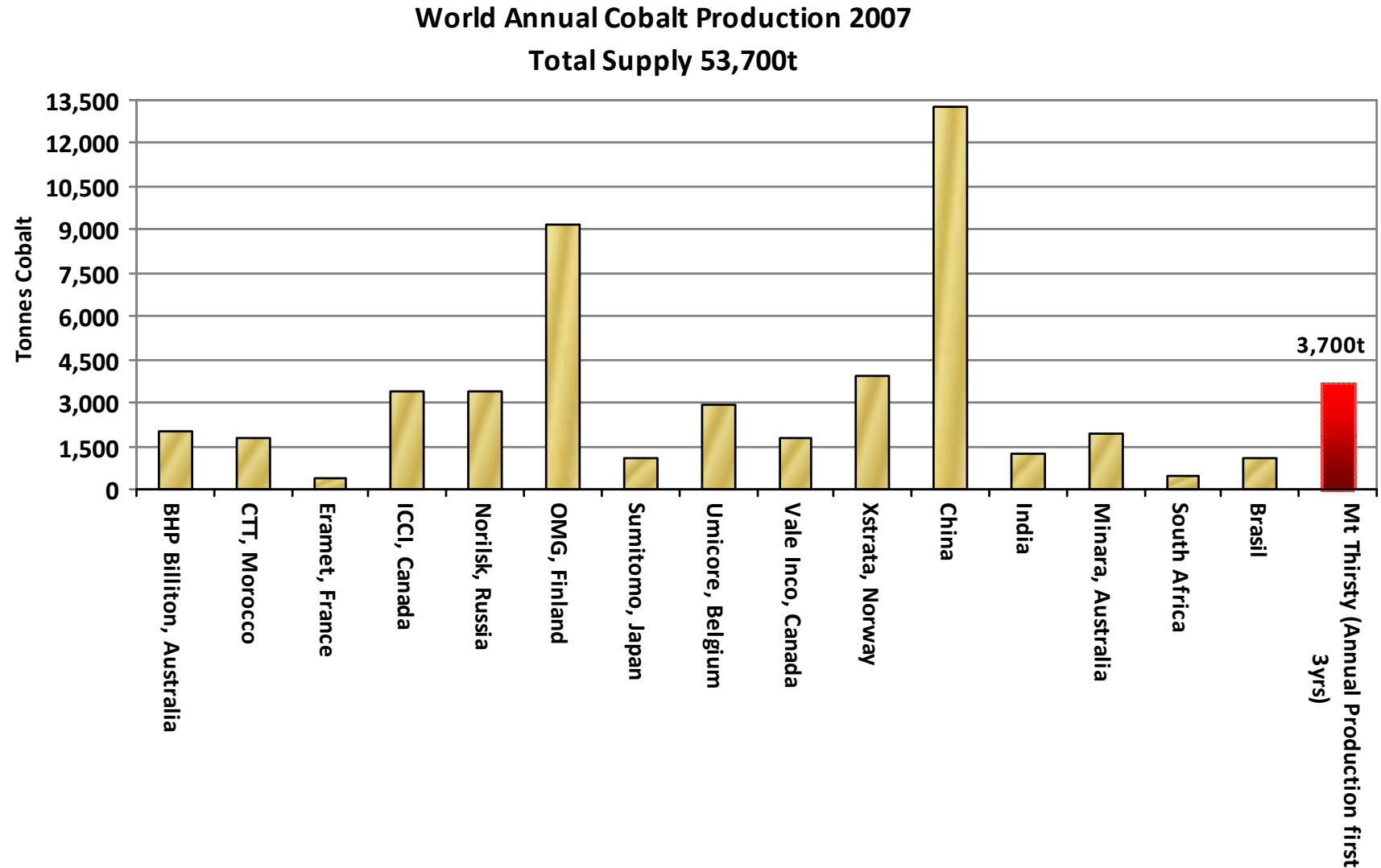
# Mt Thirsty JV: Co-Ni-Mn Oxide Deposit



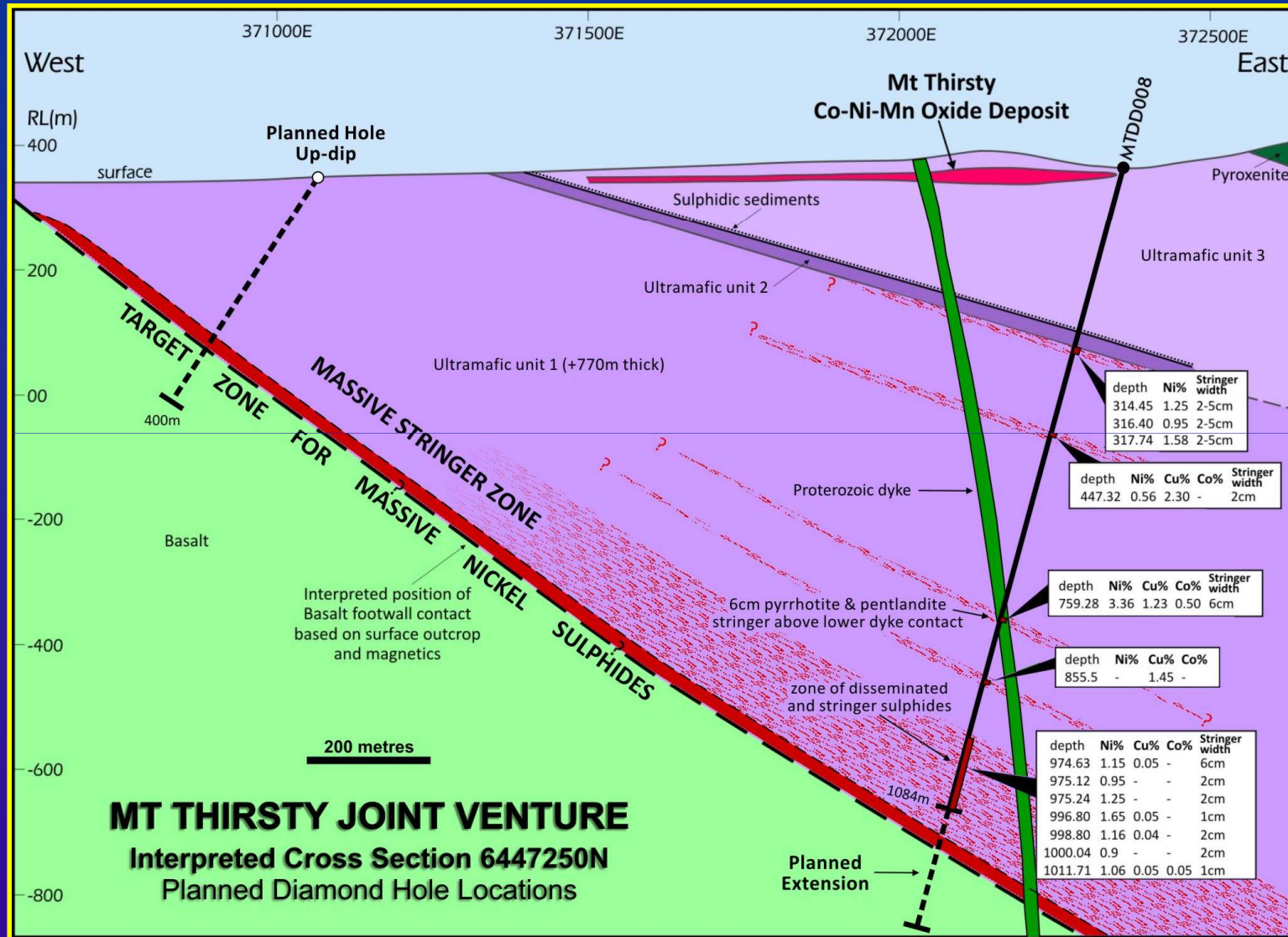
## Mt Thirsty: JORC - Compliant Resources

	<b>Mt</b>	<b>Co</b>	<b>Ni</b>	<b>Mn</b>
<b>Indicated</b>	14.8	0.14%	0.59%	0.99%
<b>Inferred</b>	14.2	0.11%	0.52%	0.77%
<b>Total</b>	<b>29.0</b>	<b>0.14%</b>	<b>0.56%</b>	<b>0.88%</b>
<b>Contained Metal</b>		<b>40,600t</b>	<b>162,400t</b>	<b>255,200t</b>

# Mt Thirsty: World Class Cobalt Potential



# Mt Thirsty Ni-S Exploration: Diamond Drilling



Note: Assays for MTDD008 are spot results using a Niton XLT 592 portable analyser. They are not a substitute for conventional laboratory analyses.



## **Products and Projects**

- **Hythane®- a hydrogen enriched premium blend of natural gas – India and US**
- **OptiBlend Dual Fuel – diesel gensets -India/ US**
- **Hydrogen/ Solid Carbon technology- UQ JV**
- **CBM, NG and Shale Gas- UK/ SA**
- **Geothermal – South Australia**

# GAIL CITY GAS / CNG

- Growth From Existing Cities to 28 Cities
- More Cities as Pipelines Reach New Areas
- Target - 230 Cities (5-10 years)



**City Gas/ CNG**

- Existing (8 cities)
- Planned (28 Cities)

Courtesy of Gas Authority of India



# Eden Energy Ltd- Market Progress

## India

Hydrogen Roadmap/Hythane standards- completed

Indian Oil-1<sup>st</sup> Public Hythane Station- completed

Ashok Leyland –Hythane Bus engines- part completed

Larsen & Toubro- Indian reformer- completed

GSPC- Hythane 50 bus demonstration- 2010

GAIL/ MGL-Hythane 50 bus demonstration- 2010

Mahindra & Mahindra- Hythane SUV- 2010

Williamson Magor- 3 dual fuel kits- 2009

## USA

BAF- Ford E450 Hythane engine conversion- completed

San Francisco Airport- Hythane station/27 shuttle buses- 2010

# First Public Indian Hythane® Station

## Built by Hythane Co - Delhi 2009



# Production of H<sub>2</sub> and Carbon Nanotubes and GTL

- 50%- JV with UQ - 2 New processes
- 4 Patents applied for Pyrolysis and GTL

## ▪ **Pyrolysis**

- No CO<sub>2</sub> – Produces carbon nanotubes, carbon fibres and H<sub>2</sub> as byproduct

- tensile strength <200-300 times steel

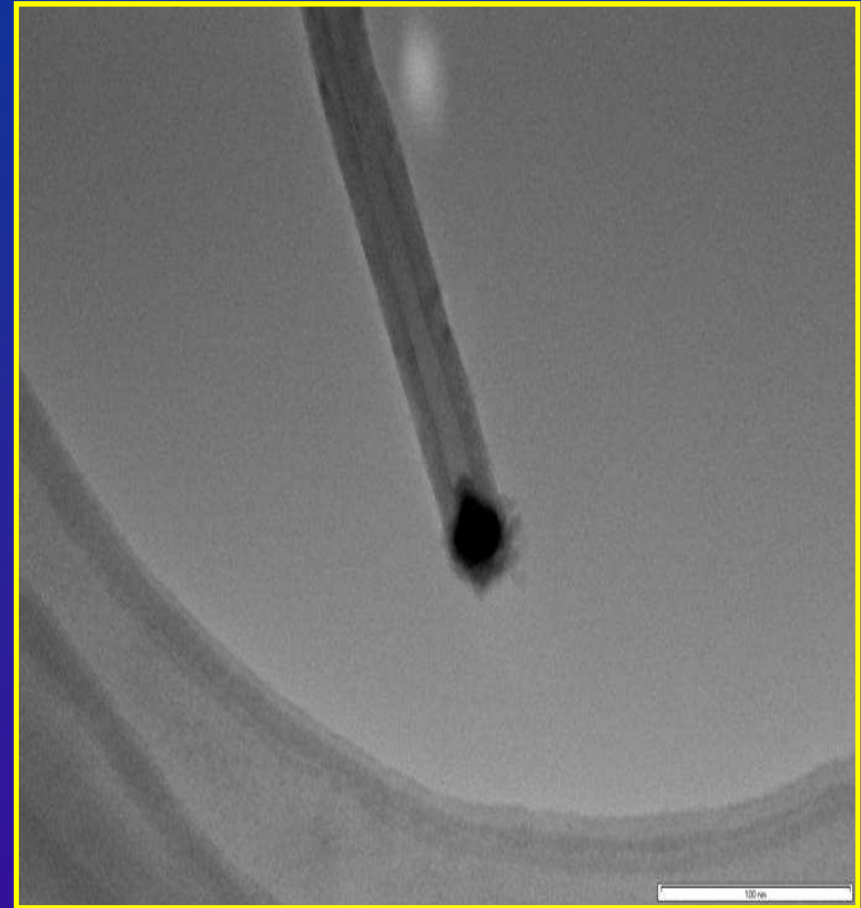
- approx 17% the weight of steel

- great electrical / structural qualities

- replacement for steel/aluminum in vehicles, aircraft and other applications

JV with Indian major under negotiation

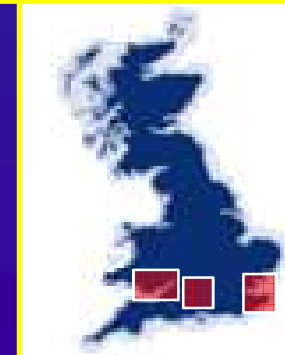
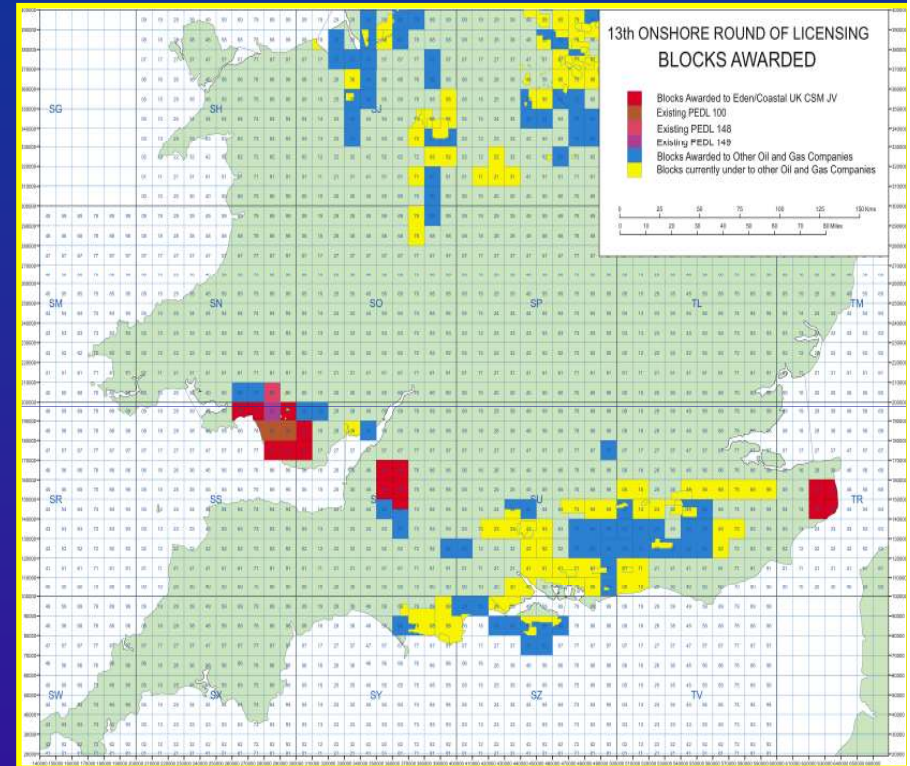
- **GTL**- ARC Grant for \$500,000 for development



# Energy Assets

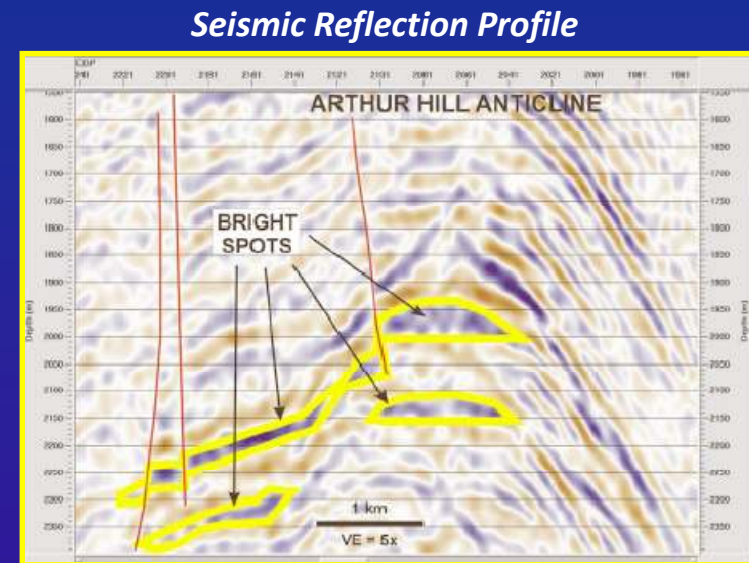
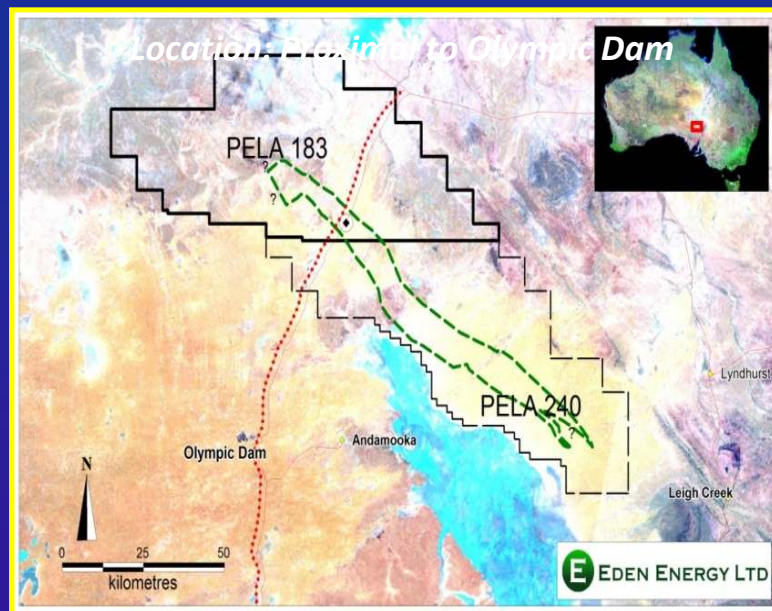
## COAL SEAM METHANE/ CONVENTIONAL GAS (WALES, UK)

- 17 PEDLs in S Wales, Bristol and Kent
  - 50% Joint venture -14 PEDLs (Licences)
    - 50% Farm-in -3 PEDLs- Shale/ Conventional
    - 5% Joint venture -4 PEDLs- CSM
- Modelled on Appalachian Trend in USA
- - Coal Seam Methane 380-670bcf (3 PEDLs)
  - Abandoned Mine Methane
  - Conventional Natural Gas
  - Shale Gas
- Total area 1800km<sup>2</sup>
- Digitised Welsh coal mine data
- High UK Gas Prices



# Energy Assets

## NATURAL GAS (SOUTH AUSTRALIA)



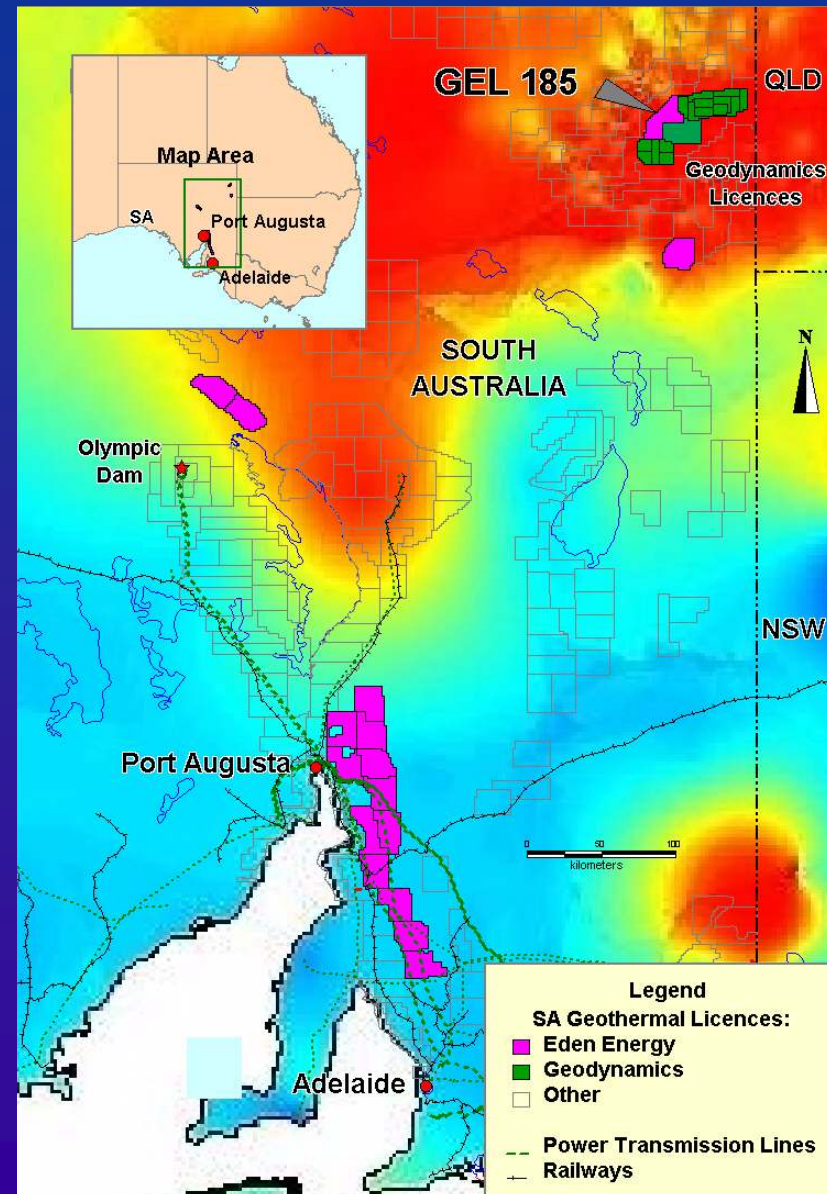
- Drill target identified
- Intention to combine with CSM in new gas company
- Drilling within next 18 months

- Proterozoic age, but very close to huge industrial gas market (Olympic Dam)

# Energy Assets

## TERRATHERMA LTD (GEOHERMAL) SOUTH AUSTRALIA

- 4 project areas, 15 licences/applications
- GEL 185-adjacent to Geodynamics
- GEL 185- JV with Origin Energy-  
\$1m + \$500k expenditure for 70%.
- Planned float of *Terratherma* on the  
ASX



# Corporate Structure and Asset Values

## Tasman Issued Securities

Listed shares TAS - 160,708,198

Listed Options- TASO- 20c- 31/12/ 09- 30,131,775

Listed Options- TASOB- 10c- 30/6/ 12- 20,612,633

Unlisted Options- Employees- 4,074,804

## Major Shareholders

Arkenstone Pty Ltd- 18.43% fully diluted

March Bells Pty Ltd- 18.23% fully diluted

## Share and Option Holdings

Eden- EDE- 35,121,988- \$3.5m ( at 10c) = 2.1c/share

Fission- FIS- 25,000,000- \$3.75m ( at 15c )= 2.3c/share

Fission- FISO- 25,000,000- \$1m ( at 4c) = 0.6c/share

Total = 5c/share

## **Competent Person's Statement**

The information in this presentation that relates to Exploration Results and Activities is based on information compiled by Robert Smith and Michael Glasson who are Members of the Australian Institute of Geoscientists. Robert Smith and Michael Glasson are full-time employees of the Company. Robert Smith and Michael Glasson have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Robert Smith and Michael Glasson consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.



## Disclaimer

The interpretations and conclusions reached in this presentation are based on current geological theory and the best evidence available to the authors at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for complete certainty. Any economic decisions that might be taken on the basis of interpretations or conclusions contained in this report will therefore carry an element of risk.

It should not be assumed that the reported Exploration Results will result, with further exploration, in the definition of a Mineral Resource.



Tasman Resources Ltd  
Level 40 Exchange Plaza,  
2 The Esplanade,  
Perth. WA  
Australia 6000

Tel- +61 8 9282 5889

Fax + 61 8 9282 5966

Email: [mailroom@tasmanresources.com.au](mailto:mailroom@tasmanresources.com.au)

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