

The logo for Orion Metals Limited features the word "ORION" in black, "METALS" in yellow, and "LIMITED" in black, all in a bold, sans-serif font. A yellow diagonal line is positioned to the left of the text.

**ORION  
METALS  
LIMITED**



# **GOLD - TECH METALS**

## **ASX:ORM**

**James Canning-Ure**  
Managing Director

Broker Presentations  
Perth – Sydney 3<sup>rd</sup> to 5th May 2010

ABN : 89 096 142 737

# Board & Major Shareholders

- Board
  - David Barwick Chairman
  - James Canning-Ure MD
  - Andrew Gillies Director/Geologist
  - Adrian Day Director/Geologist
- Shareholders post rights issue
  - Directors 13 %
  - Metallica 34 %
  - Jein Mining China 16 %
  - Public 37%

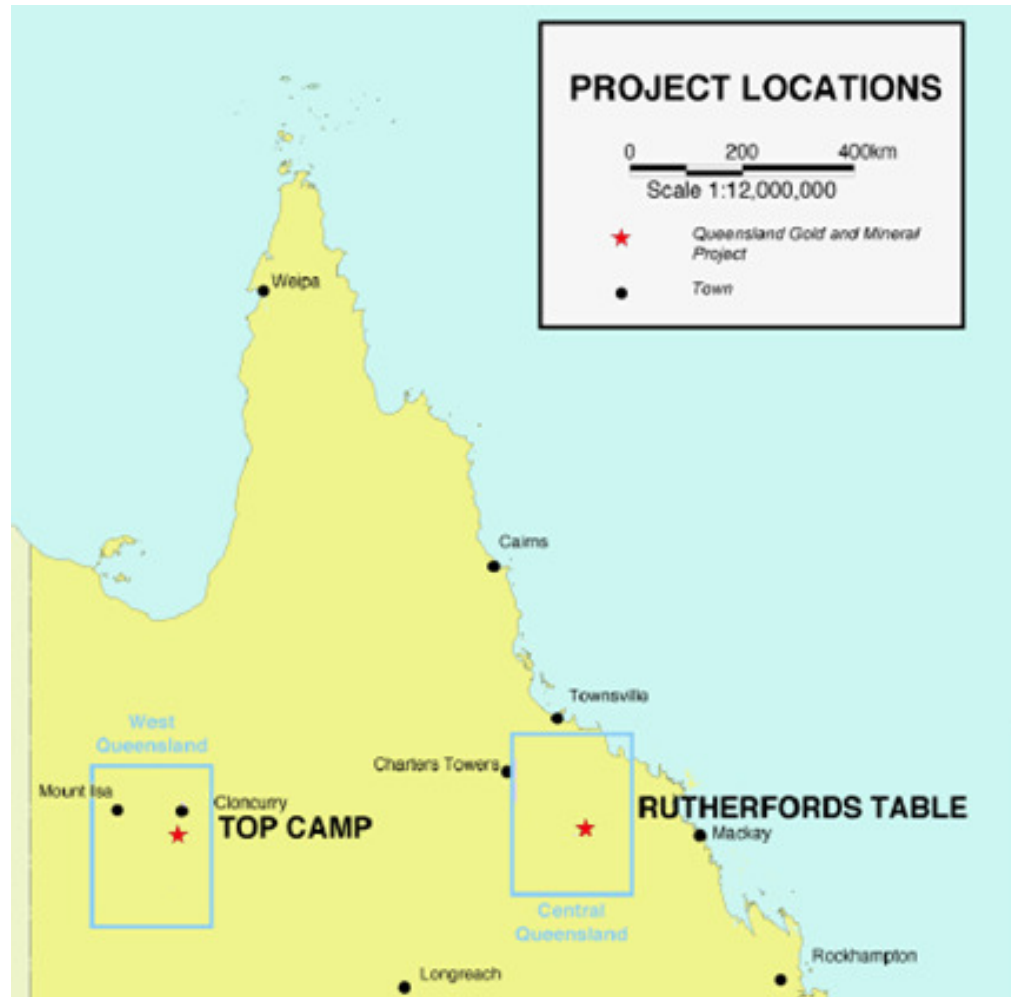
# Corporate Overview

- Shares on issue
  - 24.7 Million
  - after rights issue 49.3 Million
- 1:1 Rights Issue
  - Fully underwritten
  - Closes 12 May 2010
  - At \$0.05 to raise \$1.235M
- 1:2 Attaching Option
  - At \$0.12 expiring February 2011
- Funds for
  - Drilling at Top Camp for Gold & Copper
  - Evaluation of Tech Metals portfolio and strategy

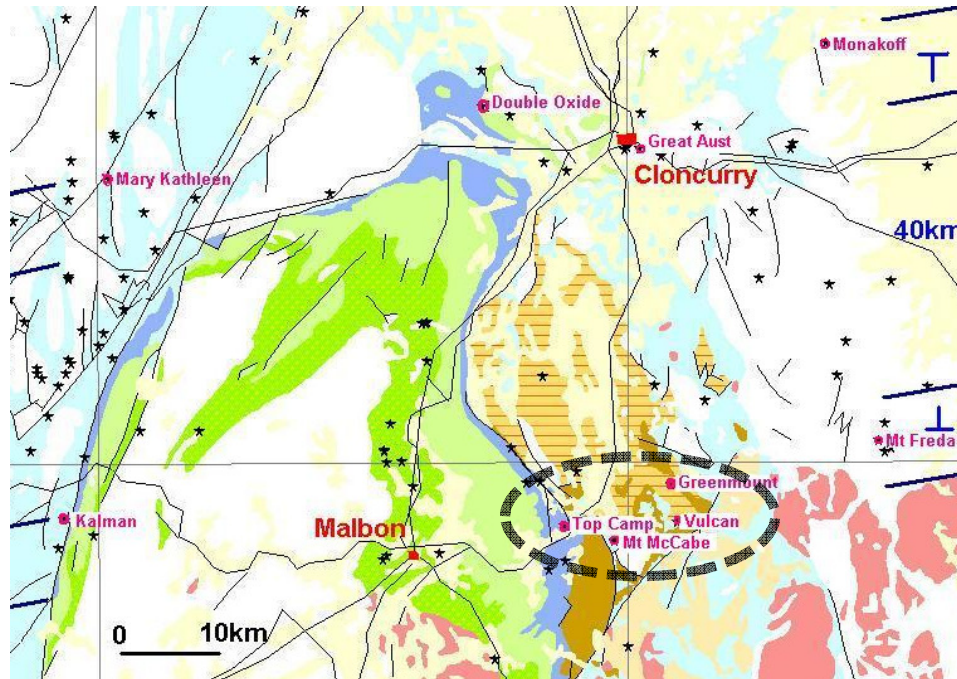
# STRATEGY

- Top Camp
  - Drilling program commences July 2010
- Tech Metals
  - 3 EPM's in North Qld.
  - Monazite and Xenotime sources
  - High value / high demand Rare Earth Metals
  - Value added Tech Metal applications
- Newmont Gold JV – Malcolms Creek
  - Continued agreed expenditure in 2010

# GOLD PROJECT LOCATIONS



# TOP CAMP ORIGINAL CLONCURRY GOLD FIELD



- Source of gold remains undiscovered
- Gold - copper mineralisation
- Geochemical and geophysical anomalies

# TECH METALS



- Monazite & Xenotime
  - Unexploited sources of Tech Metals
  - Fulford & Bonner's Creeks (North Qld.)
  - Blacks Springs & Dicksons Creek (North Qld.)
- Specific Portfolio of Rare Earth Metals
  - Scandium (Sc)
  - Lanthanum (La)
  - Cerium (Ce)
  - Praseodymium (Pr)
  - Neodymium (Nd)
  - Europium (Eu)
  - Gadolinium (Gd)
  - Dysprosium (Dy)
  - Yttrium (Y)

# TECH METAL APPLICATIONS

	Catalytic	Magnetic	Electrical	Chemical	Optical
Lanthanum (La)	✓		✓	✓	✓
Cerium (Ce)	✓		✓	✓	✓
Praseodymium (Pr)		✓	✓	✓	✓
Neodymium (Nd)	✓	✓	✓		✓
Europium (Eu)					✓
Gadolinium (Gd)		✓			✓
Terbium (Tb)		✓			✓
Dysprosium (Dy)		✓			✓
Yttrium (Y)					✓

Scandium (Sc) and Yttrium (Y) are key for Solid Oxide Fuel Cells





# TECH METALS

- Strategy for Value added applications
  - Rare Earth Metal Alloys
  - Stabilized Zirconia Powder
    - Fuel Cells
      - Yttrium and Scandium
    - Structural Ceramics
      - Partially Stabilized Zirconia (PSZ)
  - High purity focus
  - Securing supplies of Scandium, Zircon and Monazite

