



# 20:20 INVESTOR SERIES NEW FRONTIERS JUNE 2011

BRUCE GRIFFIN – CHIEF EXECUTIVE OFFICER

# MIL RESOURCES LTD

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*The information contained in this document that relates to Exploration Results or Mineral Resources or Ore Reserves is based on information compiled by John Haggman who is a Member of the Australian Institute of Geoscientists. Mr. Haggman is a director of MIL Resources Ltd. Mr. Haggman has sufficient experience which is relevant to the style of mineral deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves". Mr Haggman consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.*

# MIL Resources (ASX:MGK)

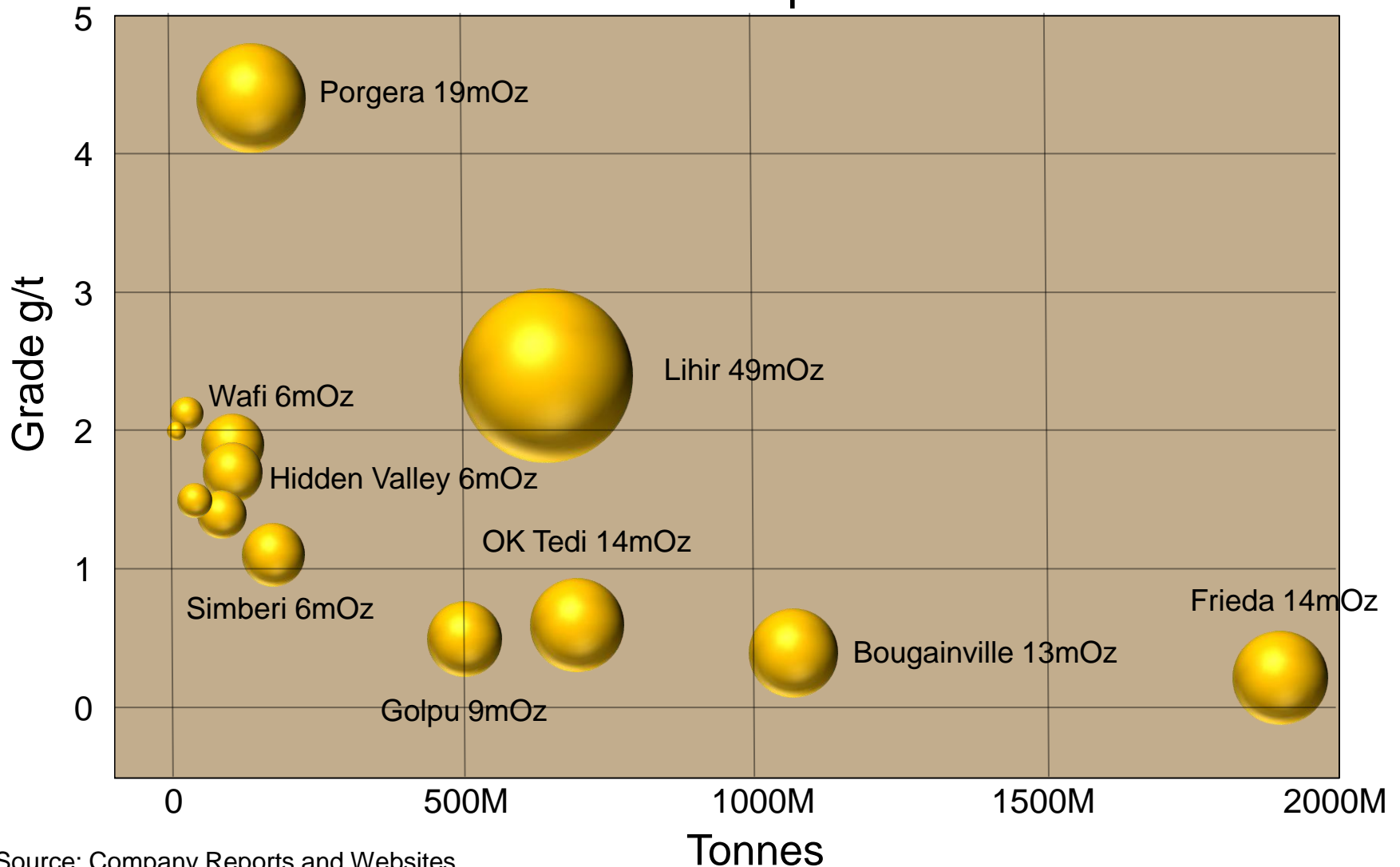
## Large Papua New Guinea land position

- Eight 100% owned gold/copper projects
- More than 8,000km<sup>2</sup>
- 5 licences EL's and 6 ELA's
- Located in South East Papua, New Britain and New Ireland
- Earning 51% of Amazon Bay
- Vanadium rich titanomagnetite ironsand



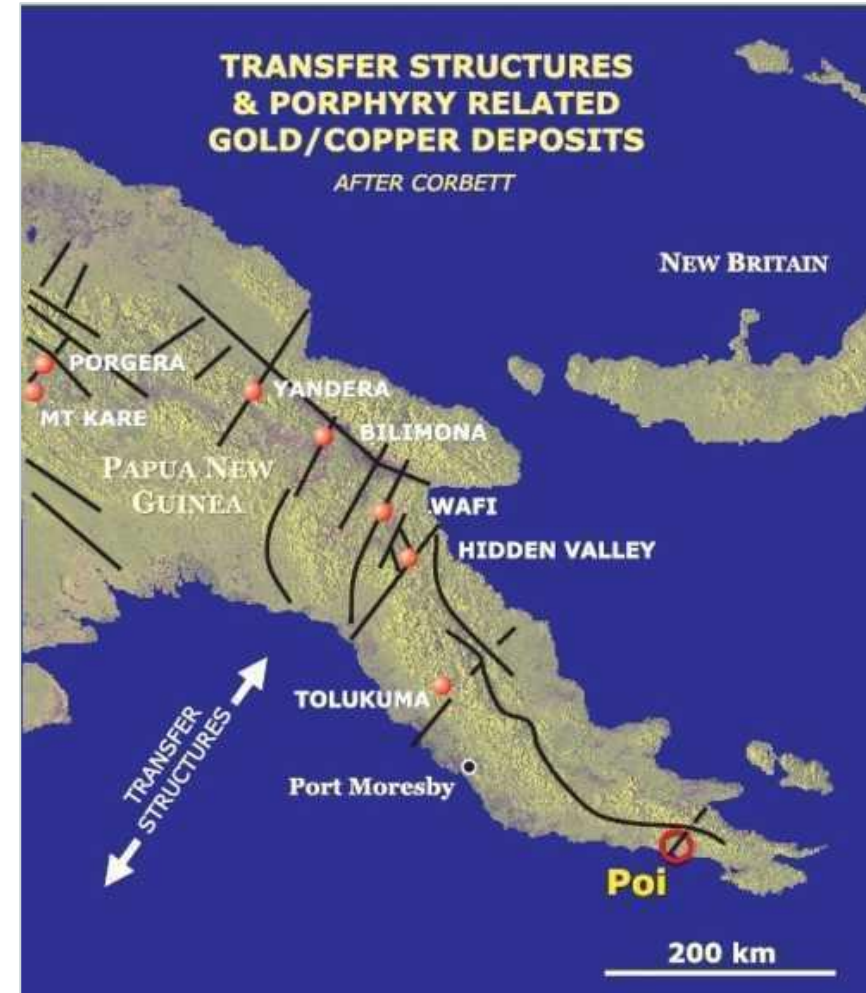
# Why PNG?

## Selected Gold Deposits in PNG



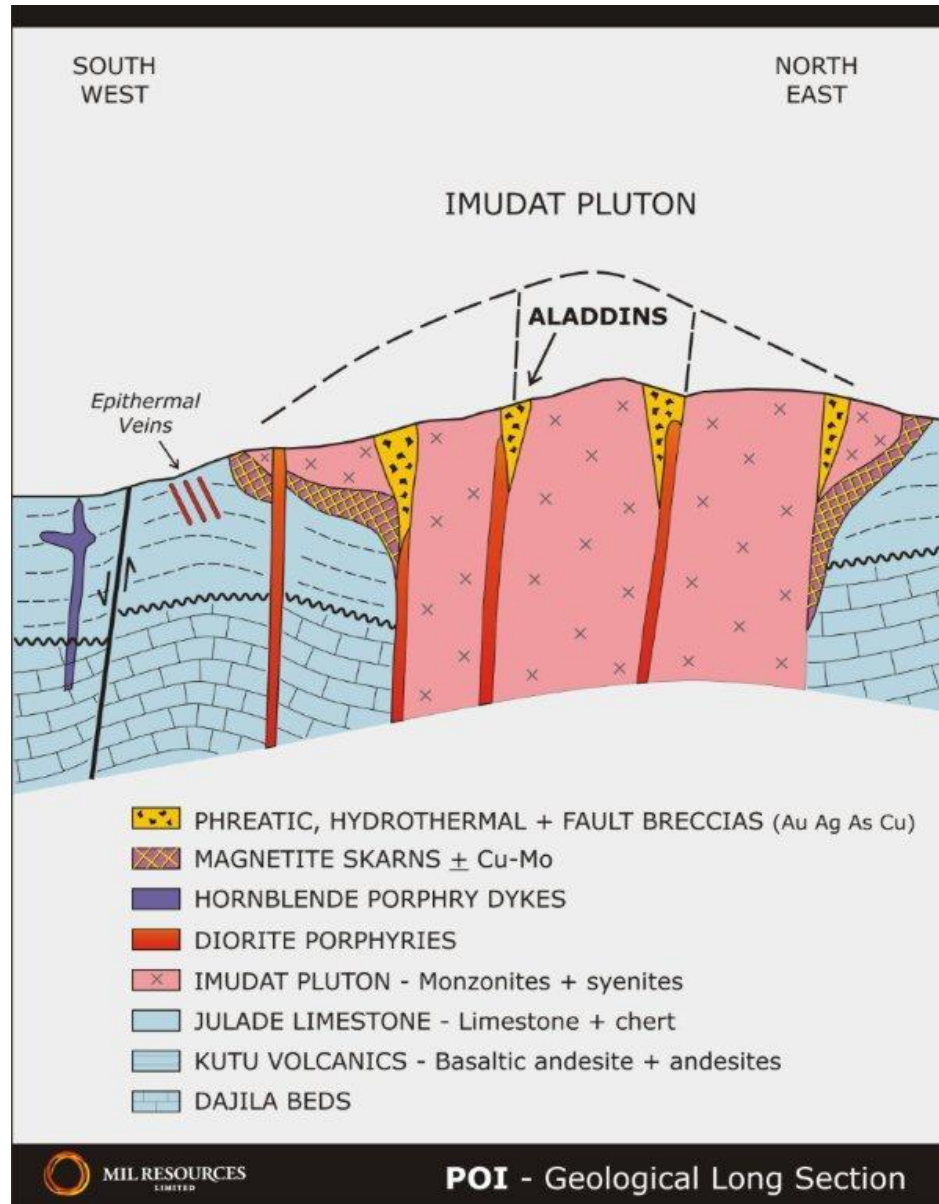
# Poi

- Prominent NE – SW transfer structure
- Radiometric anomaly 11km x 1.5km open along strike
- Coincident with cross-cutting radiometric structures and anomalous geochemistry
- Aladdins – trenching
  - 20m of 7.17 g/t Au, 0.5% Cu, including 2m @ 41.5 g/t Au
- Morti – trenching
  - 38m @ 0.61 g/t Au , including 12m @ 1.21g/t Au
  - 17.6m @ 0.21 g/t Au , including 3m @ 0.53 g/t Au
  - 9m @ 1.5g/t Au, including 3m @ 4.1 g/t Au
- Wallaby Ridge – soil sampling
  - 860m @ 0.06 g/t Au, 0.02% Cu
  - 500m @ 0.13 g/t Au, 0.01% Cu



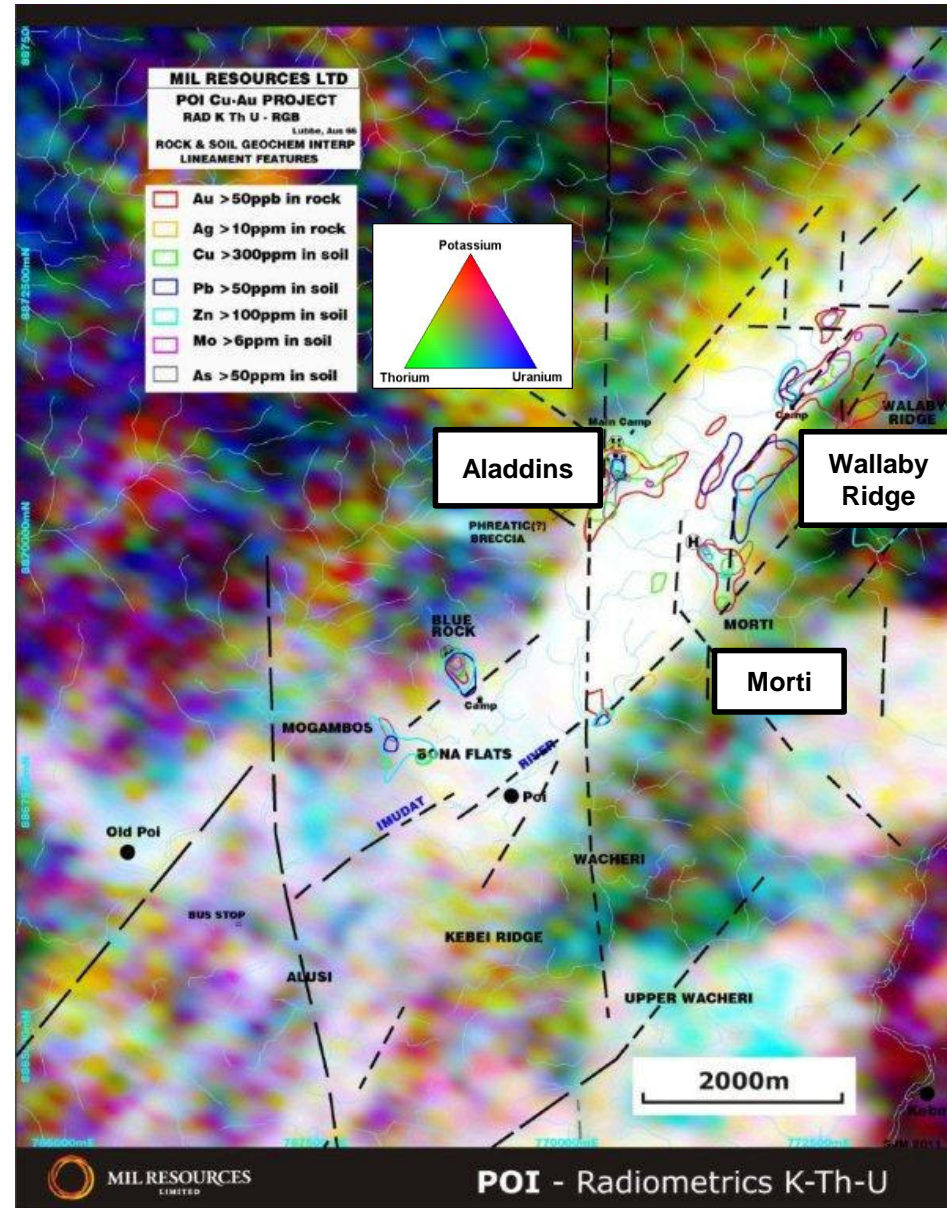
# Poi

- Expert review completed
- Improved target understanding
- Diorite porphyry bodies and associated breccias along major faults
- Marginal skarns
- Epithermal veins



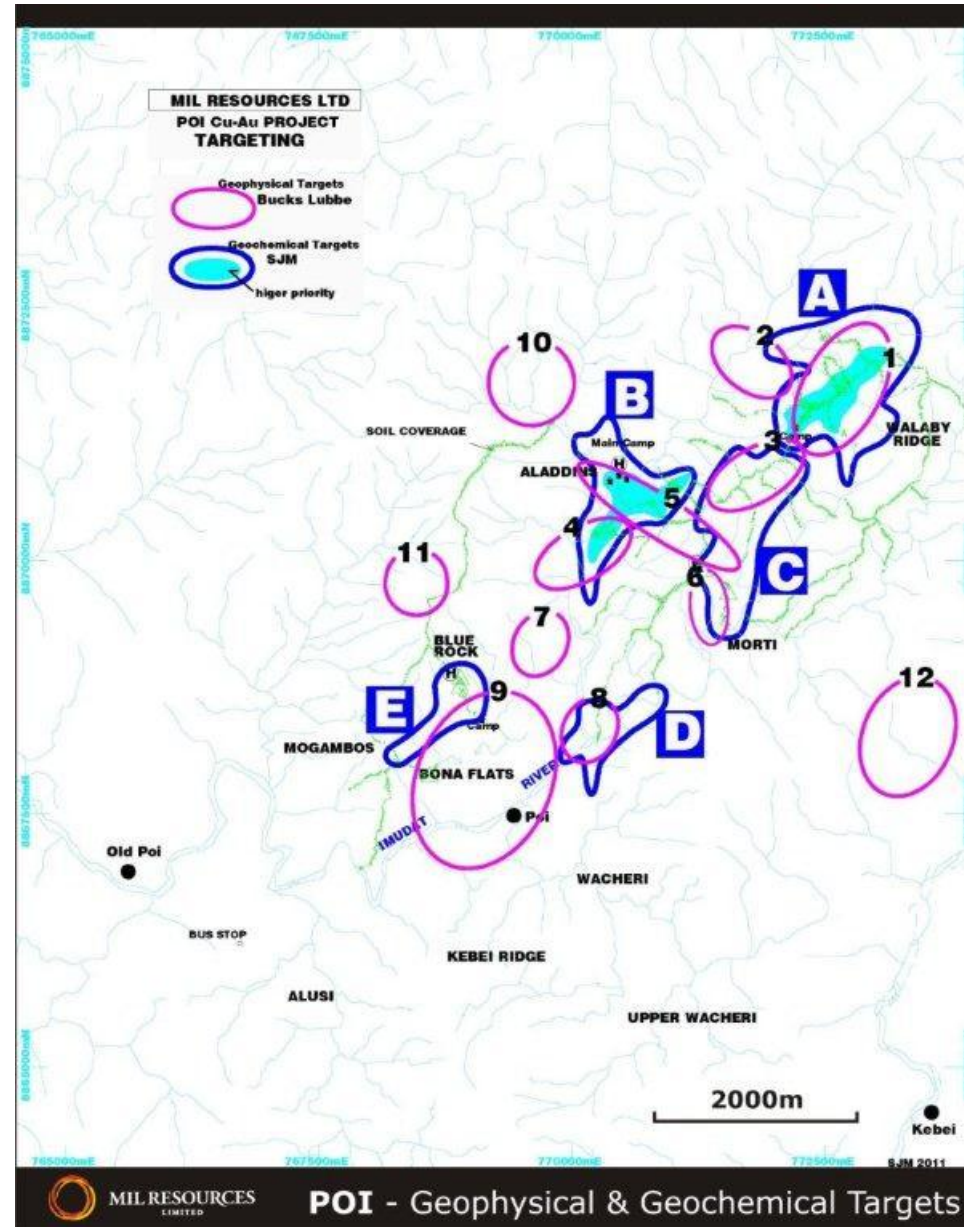
# Poi

- Clearly defined radiometric anomaly
- Anomalous geochemistry associated with cross cutting faults on margin of intrusion
- Aladdins:
  - ~1000m x 500m
  - Mineralised breccias and intrusions
- Wallaby Ridge
  - > 1000m by 200m
  - Au-Cu-Mo soil anomaly
- Morti
  - Magnetite skarn exposures
  - +300m long and up to 38m wide



# Poi

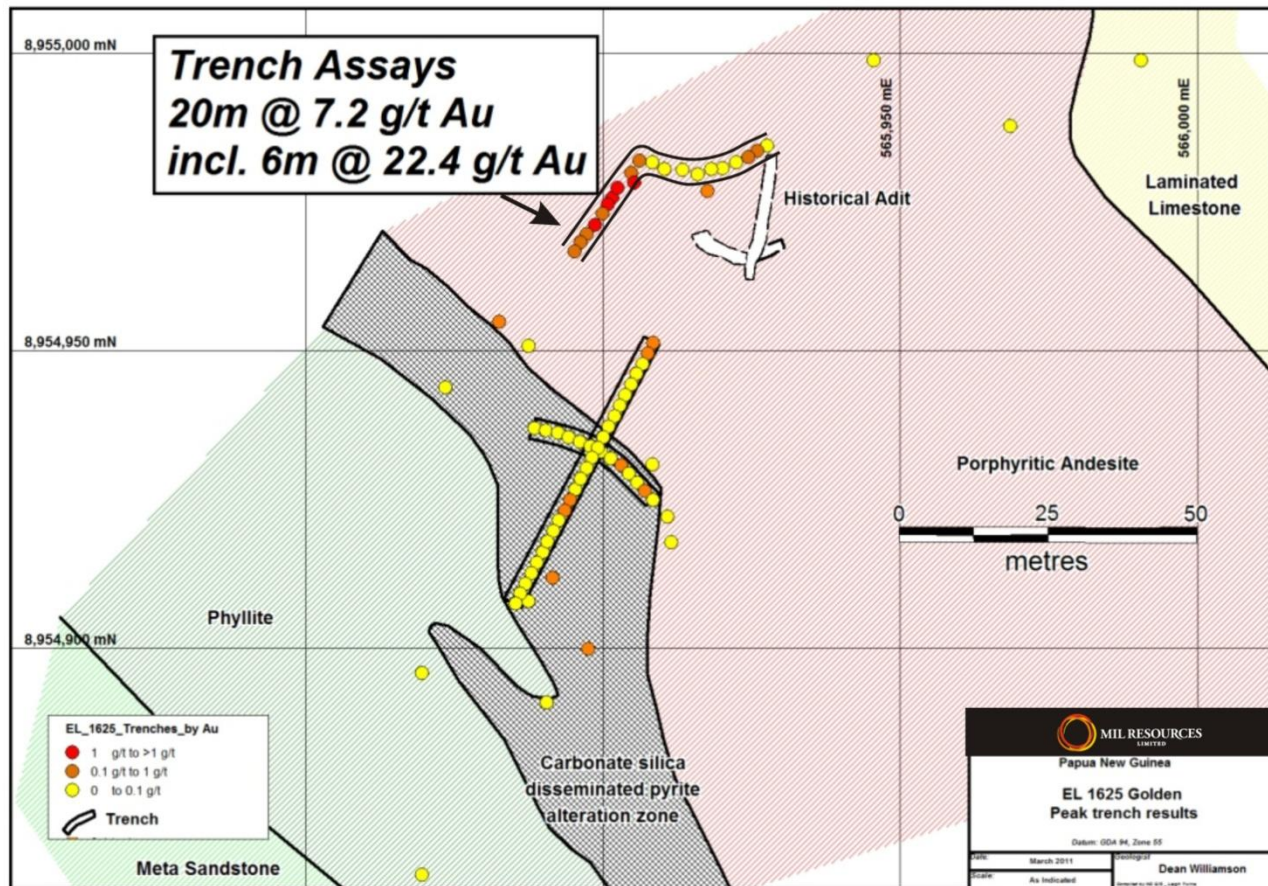
- Five geochemical and 12 geophysical prospects identified
- 3 high priority drill targets
  - Wallaby Ridge (A)
  - Aladdins (B)
  - Morti (C)
- Working to define drill program
  - Detailed ground magnetic survey
  - Focussed geochemical sampling
  - 3000m drilling program in 2H 2011
- Currently securing a drilling rig for Poi and Golden Peak



**Meldrum and Lubbe 2011**

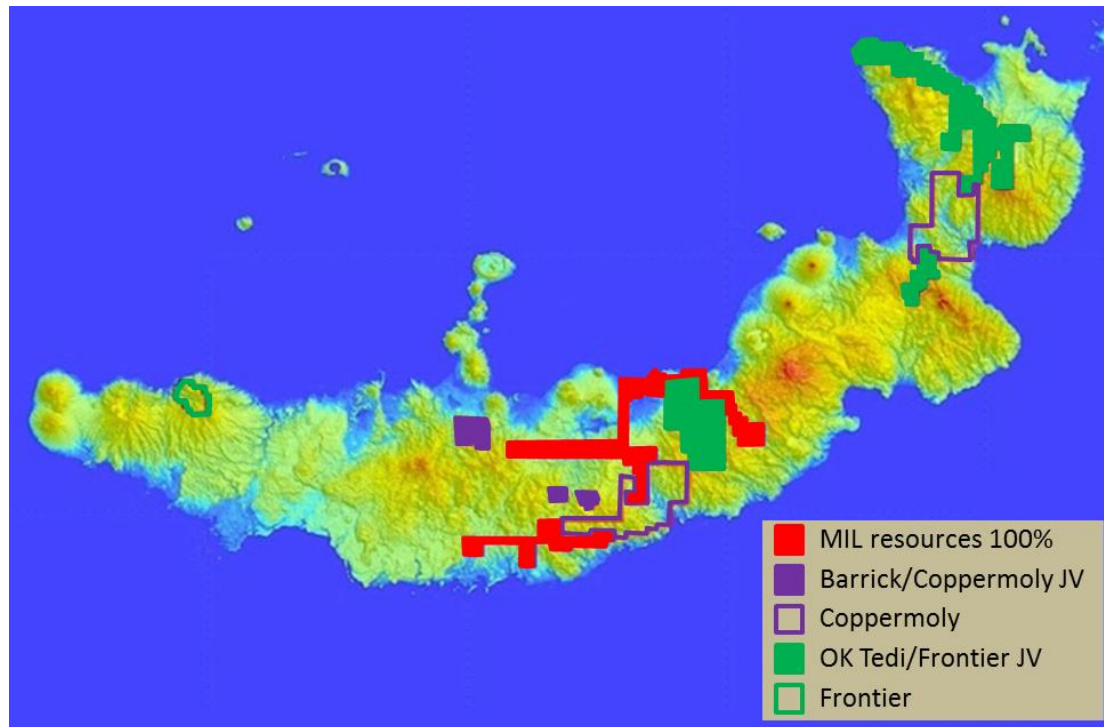
# Golden Peak

- 20m of 7.2 g/t Au
- Including 6m of 22.4 g/t Au
- 40 km east of Port Moresby
- Currently defining the extent of the high grade mineralization
- Drilling in 2H 2011



# New Britain Gold

- Copper-molybdenum-gold systems
- EL's located close to :
  - Barrick / Coppermoly \$20M JV area
  - Ok Tedi / Frontier's \$36 million JV areas
- Esso Minerals (1982-3) & CRA (1985) identified high-grade gold:
  - Dagi South (18.4g/t Au)
  - Ania South (10.7g/t Au)
  - Gasmata (10.8g/t Au)
  - Yonathan River (50.1g/t Au)



# New Ireland Gold

## Legusulum

- Legusulum Cu/Au/Mo deposit
  - 70m thick leached cap over 1km<sup>2</sup>
  - Rockchips to 6.1g/t Au
- Explored by Swiss Aluminium during early 1970's
  - 13 DDH's total 1500m
  - Ave depth 115m, Ave grade 0.25% Cu

## Palabong

- Porphyry copper-gold targets
- Weitin River caldera with copper stream sediment anomaly

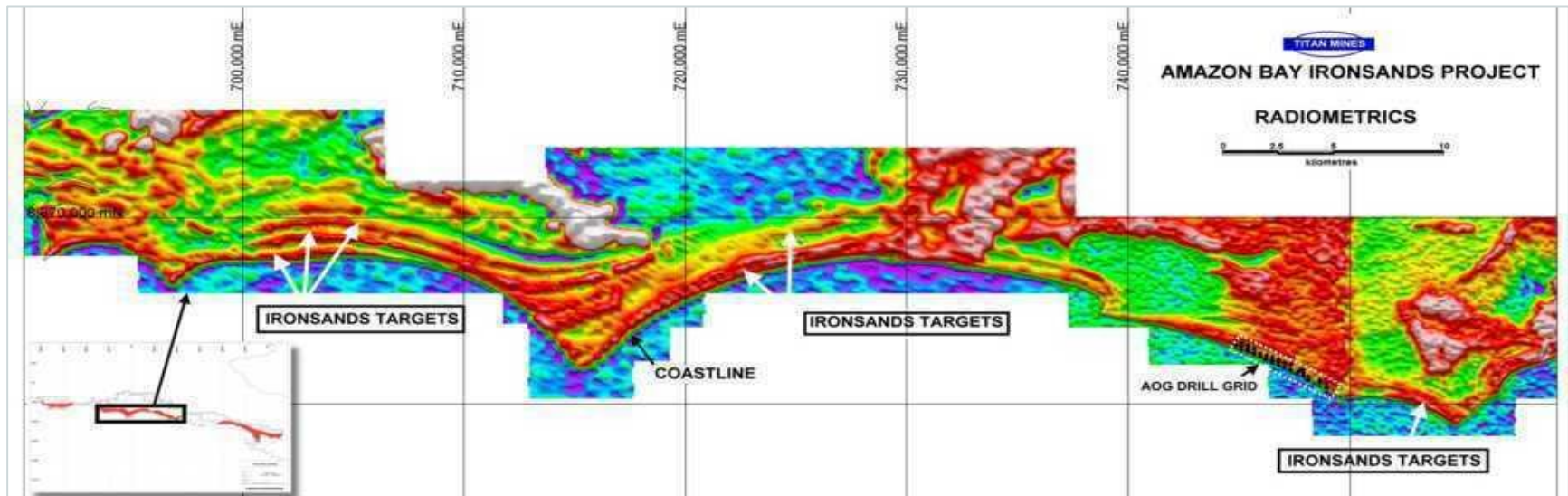
## Mussau and Tanga Islands

- Located on the Simberi – Lihir – Tanga – Feni Island chain (hosts over 49 mOz of gold resources)
- 10km x 5km zone of epithermal quartz float - rock chips returning 28 g/t Au at Mussau
- Epithermal gold with assays to 2.0g/t Au at Tanga



# Amazon Bay

- Earning to 51%
- Strandlines along 70km of coast
- Exploration target of 3 – 4 billion tonnes of vanadium rich magnetite ironsands potentially containing +200Mt of concentrate
- Preliminary metallurgy produced concentrate grading  $>1\% \text{V}_2\text{O}_5$ , 52% Fe, 17%  $\text{TiO}_2$
- Preliminary metallurgical process not optimised for vanadium
- Vanadium content  $>1\% \text{V}_2\text{O}_5$  compares favourably to other projects



# Capital structure

## **MIL Resources (ASX:MGK)**

- Market Capitalisation \$11m as at 13 May 2011
- \$4.7m cash on hand as at 7 April 2011 – completion of capital raising
- 571,483,821 shares
- 61,327,782 listed 31 May 2012 options
- 33,333,333 unlisted redeemable preference shares
- 26,901,329 unlisted options (various exercise dates and prices)

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