

**PepinNini – what we are doing and how we do it**  
SACOME 20 August 2015

# We Explore

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[pepinnini.com.au](http://pepinnini.com.au)

# PepinNini – Corporate – 30 June 15

ASX Code	PNN
Shares on issue	195,047,948
Options on issue	8,100,000 ( unquoted)
Shareholders	1,566
Top 20 shareholders	69.4% of capital
Working Capital	A\$1.7m
Funds raised from equity 2014-15	\$1.24m
Funds raised from asset sales 2014-15	\$2.34m
Exploration expenditure 2014-15	A\$1.58m



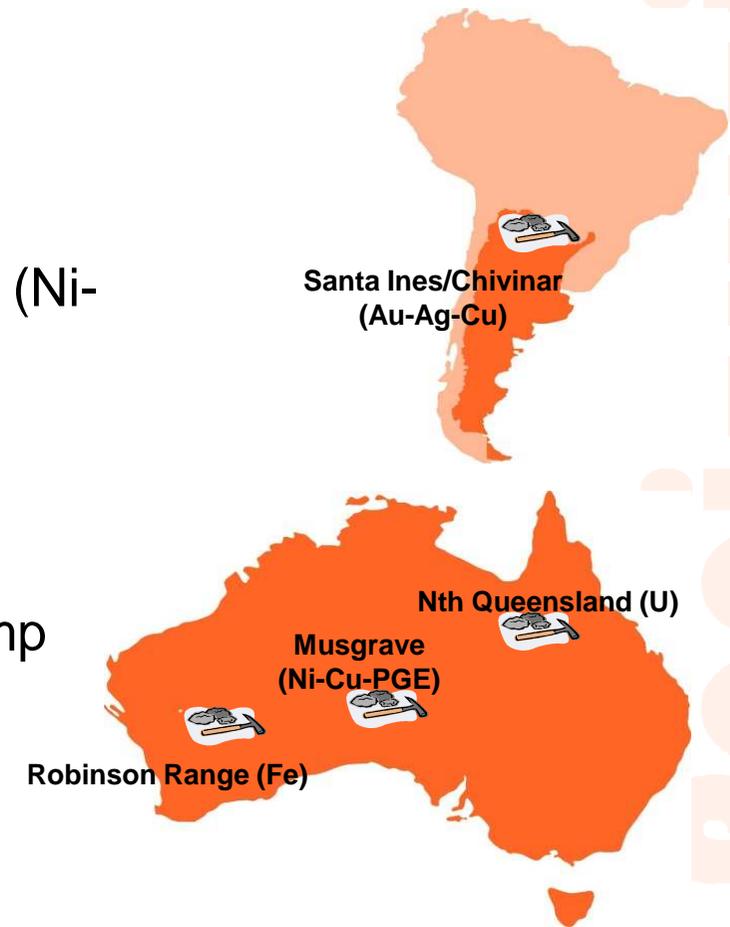
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# PepinNini – Diversified explorer

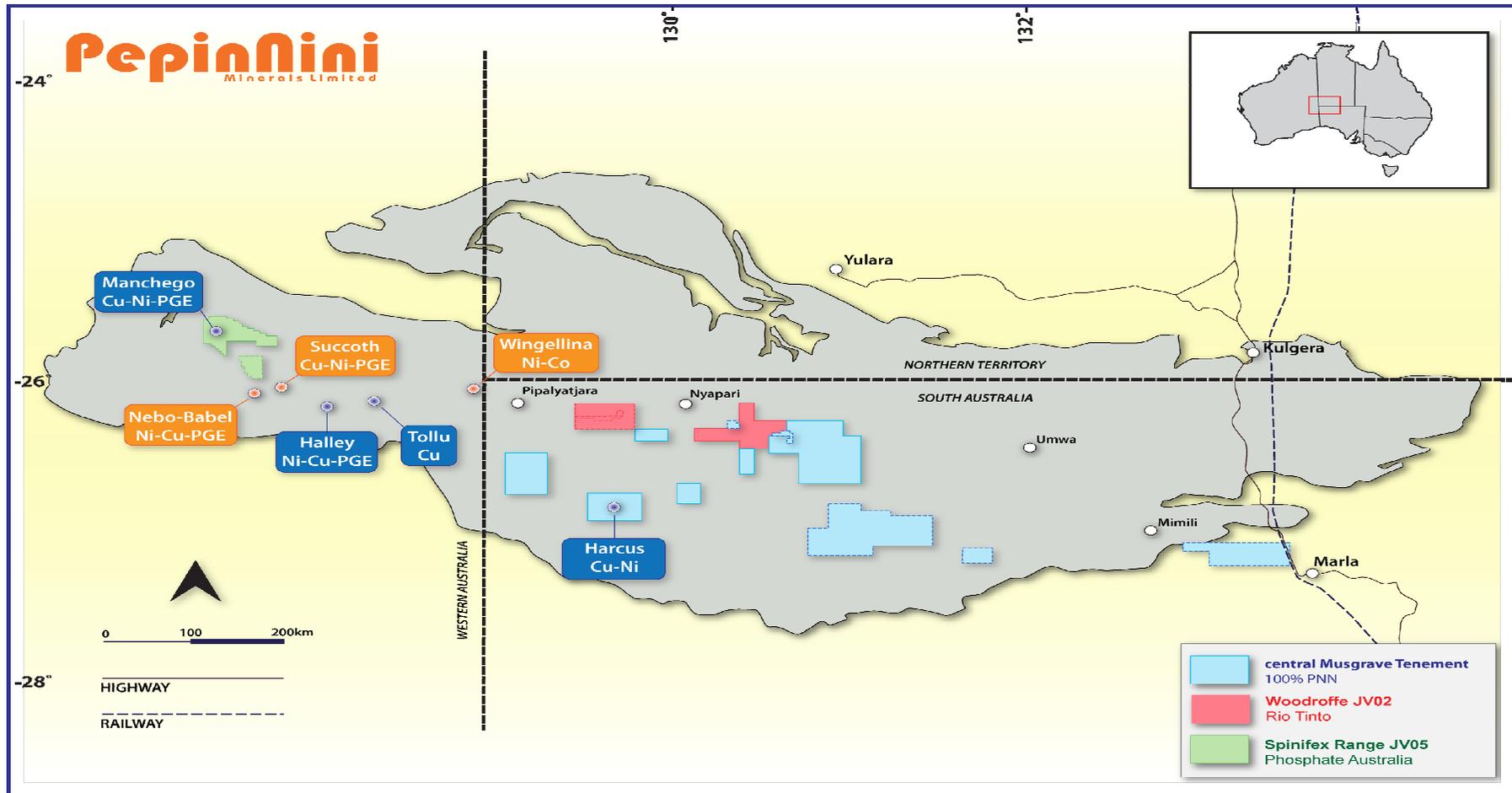
- Quality exploration portfolio
  - Diversified commodity exposure - Ni, Cu, Au, Ag, PGE, Fe, U
  - Strategic position in emerging Musgrave province (Ni-Cu-PGE)
  - Promising tenements in Andean belt (Cu-Au-Ag)
  - JV partners – Rio Tinto, Phosphate Australia
- Proven low-cost, innovative exploration model
  - Company-owned infrastructure – drill rig, field camp (Musgrave)
  - CSIRO R&D exploration partnership

***Strategic position in untapped Musgrave region –***



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# Musgrave Project



# PepinNini Camp Cooperinna



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# Camp Relocation to Central Plains - Prospect



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# PepinNini the active explorer – doing it right



Traditional owners participate – Good relations

Engagement with Traditional Owners ongoing



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# Vacuum Rig – regolith sampling



# Diamond Drilling



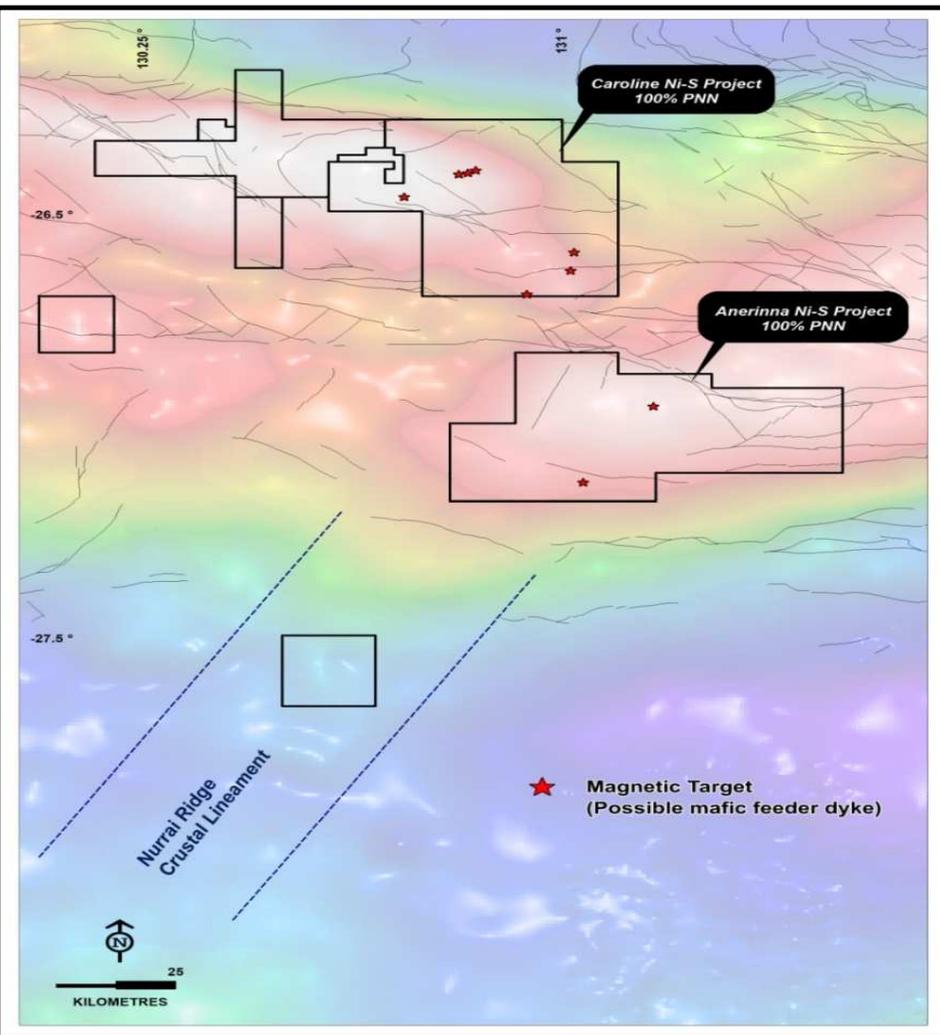
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# Two pipeline projects – Caroline & Anerinna



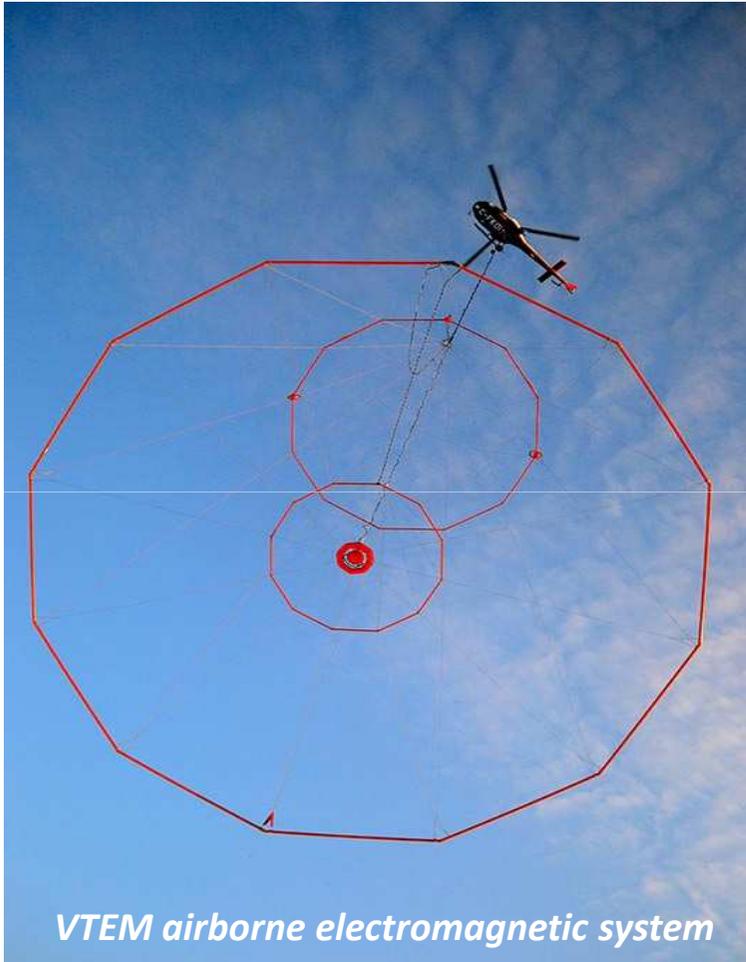
- ❑ Favorable geological setting
  - ✓ Nurrui Ridge crustal structure
  - ✓ Untested gravity lineament
  - ✓ Multiple magnetic ‘bulls-eye’ targets (possible Ni-Cu host rocks)
- ❑ No existing regional airborne EM



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# CSIRO Partnership – refining Musgrave targets



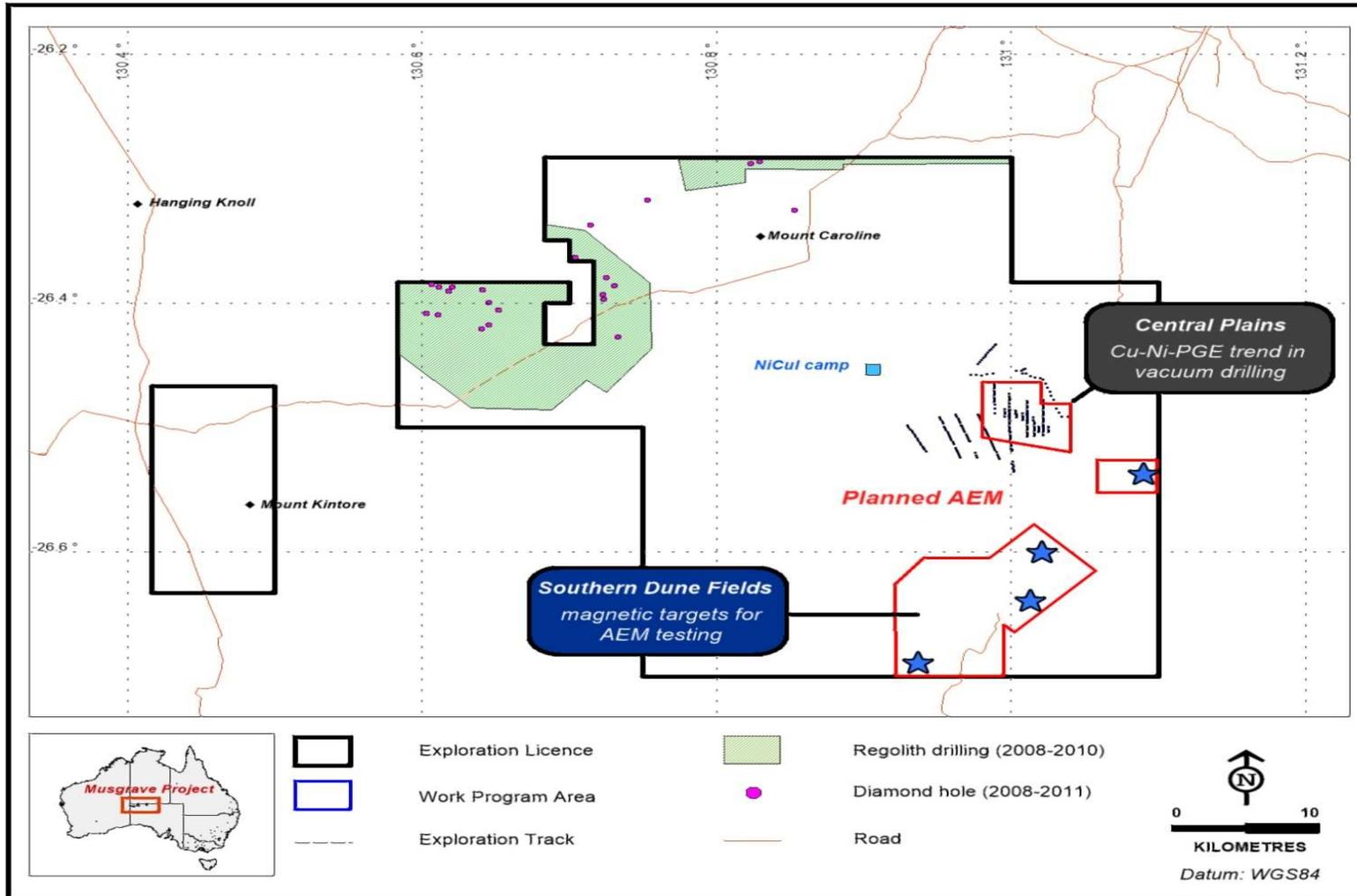
CSIRO R&D collaboration established 2014 and is ongoing, with aim to...

- ❑ Underpin exploration strategies with ‘good science’
- ❑ Co-funded target generation
  - ❑ \$172k CSIRO funding received to date
- ❑ Province- to project-scale area selection
  - ❑ *‘where to look strategy’*
- ❑ Testing innovative geophysical techniques
  - ❑ *‘how to look strategy’*



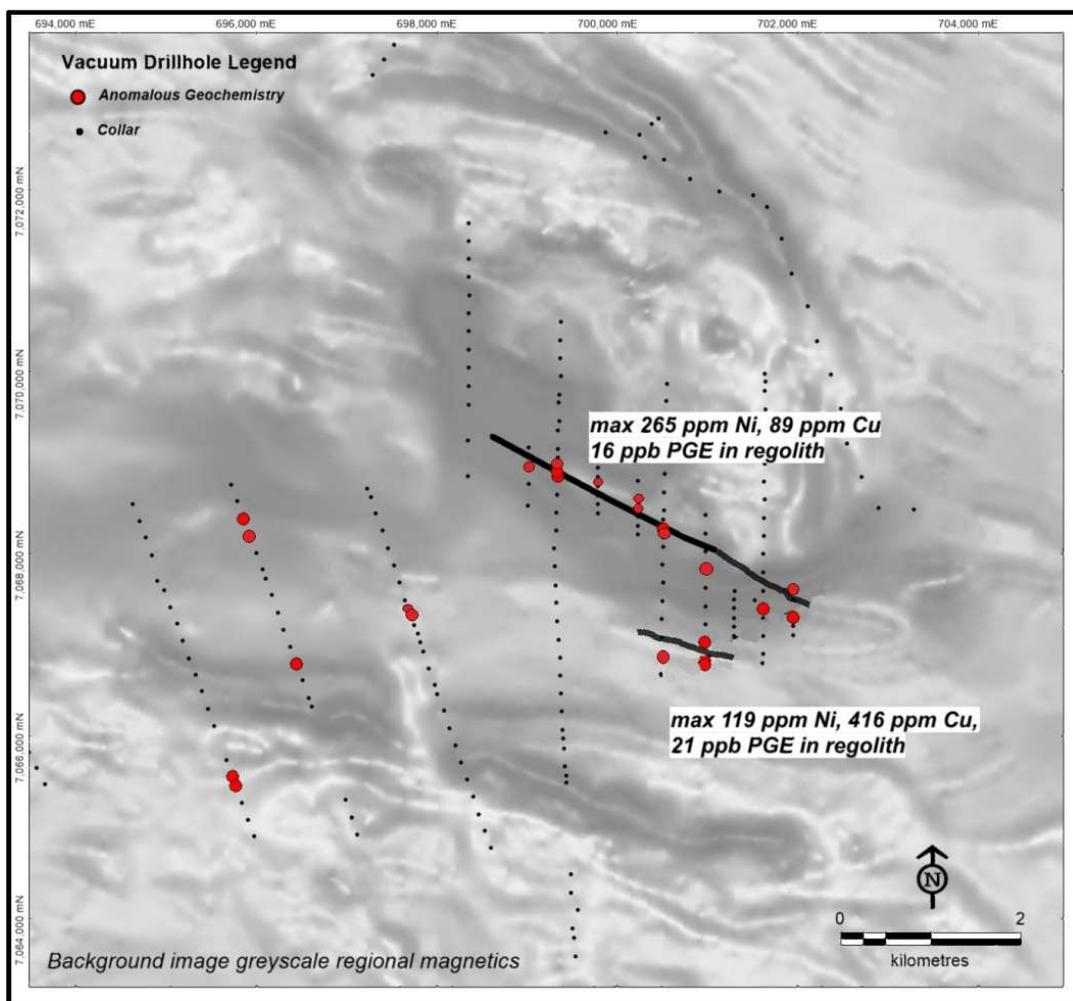
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# Current Focus EL5220 'South Caroline'



- 2 Work Program Areas
  - ✓ Central Plains
  - ✓ Southern Dune Fields
- No previous exploration
- Wandilla vacuum drilling complete
- AEM prioritised for three areas

# Multiple geochemical targets for AEM testing



## Shallow regolith drilling

- 253 holes totalling 3004m
- Targeting structure and interpreted mafic intrusives
- Positive Ni-Cu-PGE geochemistry

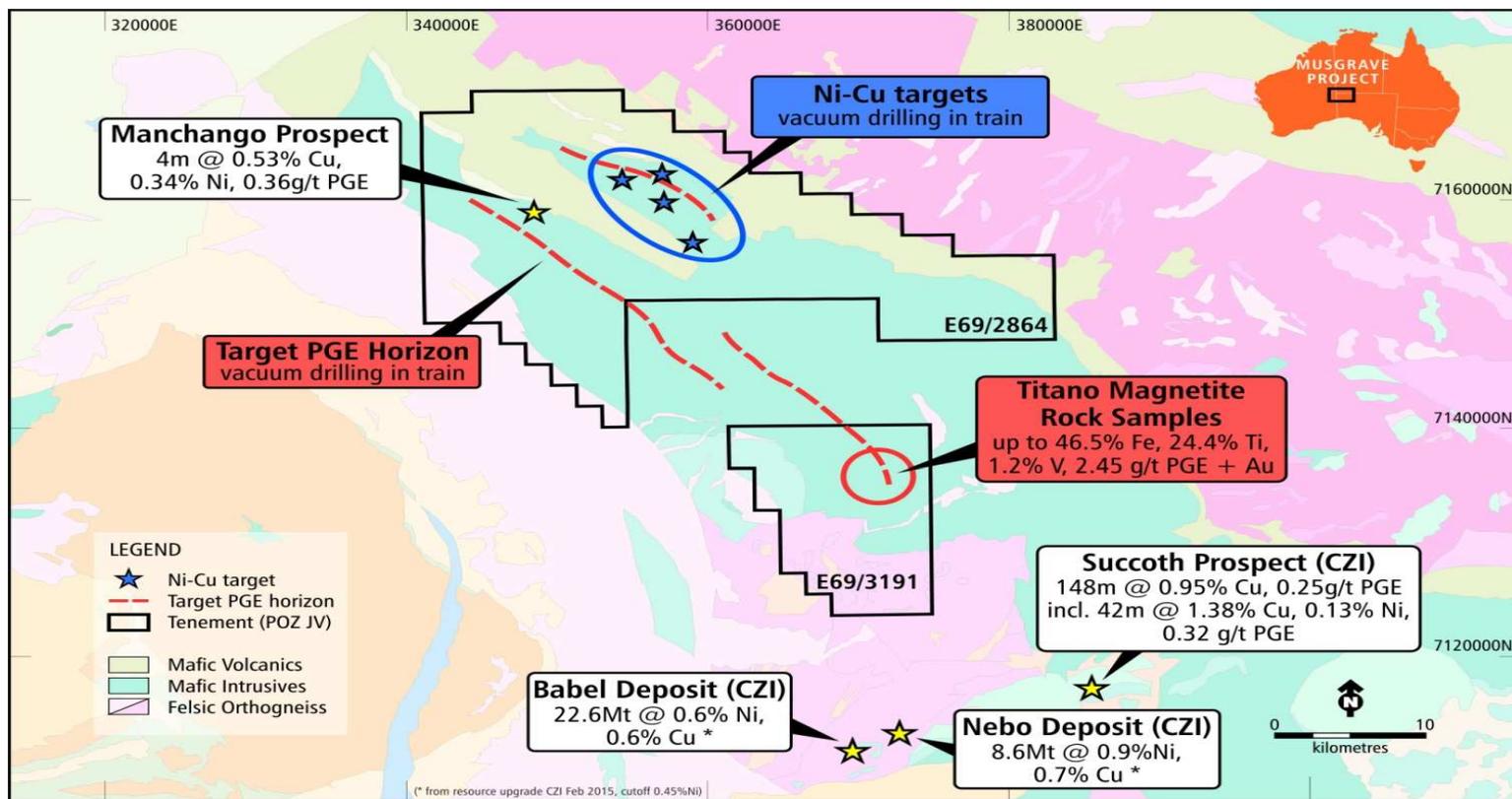
***AEM to target massive Ni-Cu sulphide beneath shallow cover***



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# West Musgrave Ni-Cu and PGE targets



## Two prospectivity options

### Nebo-Babel Ni-Cu

4m @ 0.53% Cu, 0.34% Ni, 0.36 g/t PGE at Manchengo

### Reef-style PGE

11 magnetite seams prospective for PGEs

Up to 2.14 g/t PGE, 0.25% Cu in surface samples

**Vacuum drill testing of priority Ni-Cu and PGE targets underway**

600 holes for 3000 metres planned



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# Musgrave exploration Schedule - Jan-Dec 2015

## Central Musgrave Project

Q1

Camp relocation – Community Relations – Geology Target Models

Q2

Q3

Q4

CSIRO Airborne Electromagnetic program

## West Musgrave Project

Aerial Magnetic survey, interpretation and target generation

Scout Vacuum drilling, ground electromagnetic program

Scout Vacuum Drilling

Drill test of priority Ni-Cu-PGE targets



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# Corporate Social Responsibility - CSR

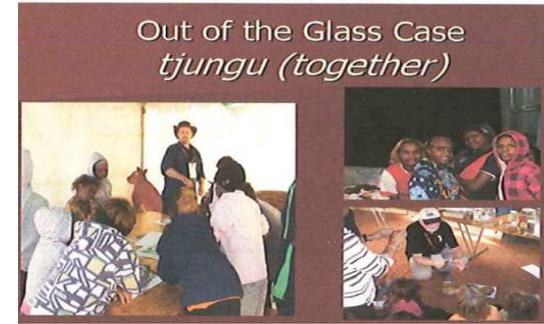
- ✓ Contribute to the society in which we explore
- ✓ South Australian Museum – Cloud Chamber 2007 and APY Lands education outreach programs for school children – PNN sponsor since 2010
- ✓ Adelaide Fringe – since 2010
- ✓ ABICSA – Aboriginal Business Chamber Inaugural Summit in Adelaide – PNN sponsor Wiltja Constructions APY lands
- ✓ Gender diversity within the company important and balanced board and employees
- ✓ Contribute to PepinNini's Sustainability

## ABICSA

Aboriginal Business Industry Chamber of South Australia



## South Australian Museum



## ADELAIDE FRINGE



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# PepinNini – the active responsible explorer

- ✓ **Strategic tenement holdings** – Large areas, promising geology, strategic minerals (Ni, Cu, PGE)
- ✓ **First-mover advantage** – exploring ground never before explored
- ✓ **Technical innovation** – Airborne EM surveys for accelerated targeting - CSIRO
- ✓ **Cost-effective operations** – PNN-owned and operated drilling equipment, co-funding DSD and CSIRO
- ✓ **Momentum building** – Ambitious target-generation and drill-test program underway for 2015 to 2017



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# Thank you



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- The information in this presentation that relates to Exploration Results and Mineral Resources is based on information compiled by Philip Clifford BSc MAusIMM. Mr Clifford is the Technical Director of PepinNini Minerals Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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 Clifford consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



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