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30 November, 2007

Companies Announcement Office
Australian Stock Exchange Limited
20 Bridge Street
Sydney NSW 2000
AUSTRALIA

Electronic Lodgement

PRESENTATION AT THE ANNUAL GENERAL MEETING OF SHAREHOLDERS

The following presentation was made at the Annual General Meeting of Shareholders of PepinNini Minerals Limited held at 11am (Adelaide time) today.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'N. Kennedy', written over a white background.

NORMAN KENNEDY
CHAIRMAN AND MANAGING DIRECTOR

A photograph of a drilling site at sunset. The sky is filled with orange and yellow clouds, with the sun low on the horizon. In the foreground, a large drilling rig is visible, with two workers in high-visibility vests and hard hats standing near it. The rig has 'Pepini' written on its side. The overall scene is industrial and dramatic.

Pepini
Minerals Limited

2007

2007 Highlights

- **\$25.7million before tax profit for the year. Net earnings per share of 33 cents (after tax). \$33.4million cash in bank**
- **Purchase of Longyear LF90D drilling rig and support equipment specifically designed to explore our Musgrave Province tenements. Engagement of experienced drillers to operate and maintain the equipment**
- **Completion of a joint venture alliance with the Chinese state owned enterprise Sinosteel Corporation for the development and operation of the Crocker Well and Mt Victoria Uranium Deposits and other commodities in the Curnamona Province of South Australia**



- **Commitment from our joint venture partner Sinosteel Corporation to spend \$11 million dollars over the next 2 years exploring our Curnamona Province tenements for uranium and other commodities**
- **Opening of an Adelaide office as the Company's principal place of business**
- **Acquisition of a granted exploration tenement covering 1,382sq.kms with previously indentified copper, nickel and gold prospects located in the Musgrave Province from Rio Tinto Exploration Pty Limited**



- **Completion of an extensive surface geochemical sampling program and ground magnetometer survey over prospective nickel targets in the Musgrave Province and a commencement of a drilling program utilizing the Company's drilling rig to explore drill targets generated by the surveys**

- **Identification of 100 tonnes of ore grade material potentially suitable for the collection of bulk samples of sufficient size for metallurgical and pilot scale process testing contained within mullock heaps beside historic shafts at Crocker East Uranium Deposit**



- **Intersection of continuous uranium mineralisation from a depth of 10 metres to 99 metres with an average grade of 0.05%(eU₃O₈) in a fully cored borehole drilled at the Crocker Junction Uranium Deposit**
- **Prioritisation of four uranium prospects with extensive radiometric anomalies associated with surface uranium mineralisation in the vicinity of Crocker Well. Very high grade uranium assays of up to 2.62% were obtained from surface samples collected from three of the prioritised areas**
- **Expansion of our North Queensland project with application for additional exploration permit areas considered prospective for hard rock volcanic type uranium deposits, large intrusion related gold deposits and silver/lead/zinc mineralisation**



Share Capital Details

(29th November, 2007)

- **69,207,499 shares on issue**
- **Currently 2,090 shareholders**
- **62% of issued capital held by top 20 shareholders**
- **Currently capitalised at AUS\$72 million**
- **Current cash = AUS\$34 million**



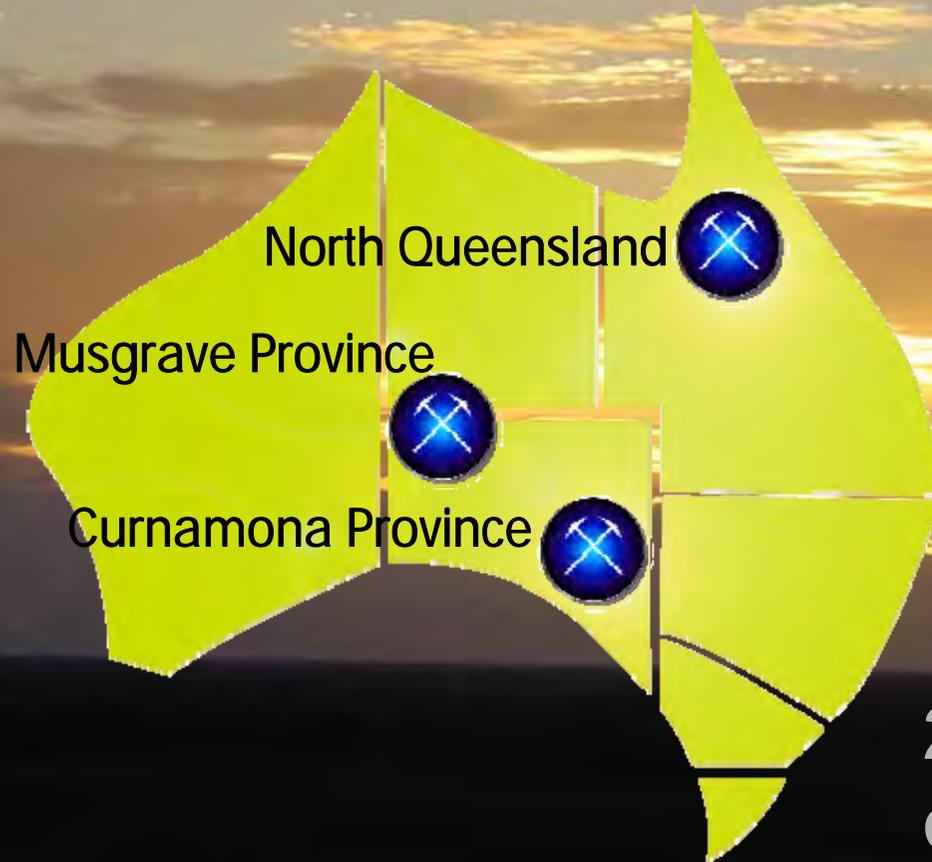
Peppinini Minerals Limited

Uranium

Nickel

Copper

Gold



20 exploration tenements
covering 13,173 sq.kms.

Curnamona Province Project

Advanced Uranium Project

- 19.8 million lbs of U_3O_8 at Crocker Well with the potential to be in production within 3 years
- Strategic alliance with Sinosteel Corporation to jointly develop the Uranium Project
- 26 additional known uranium prospects

Other Projects

- More than 30 Base Metal (Copper/Lead/Zinc) and Gold targets ready to drill



Pepinini

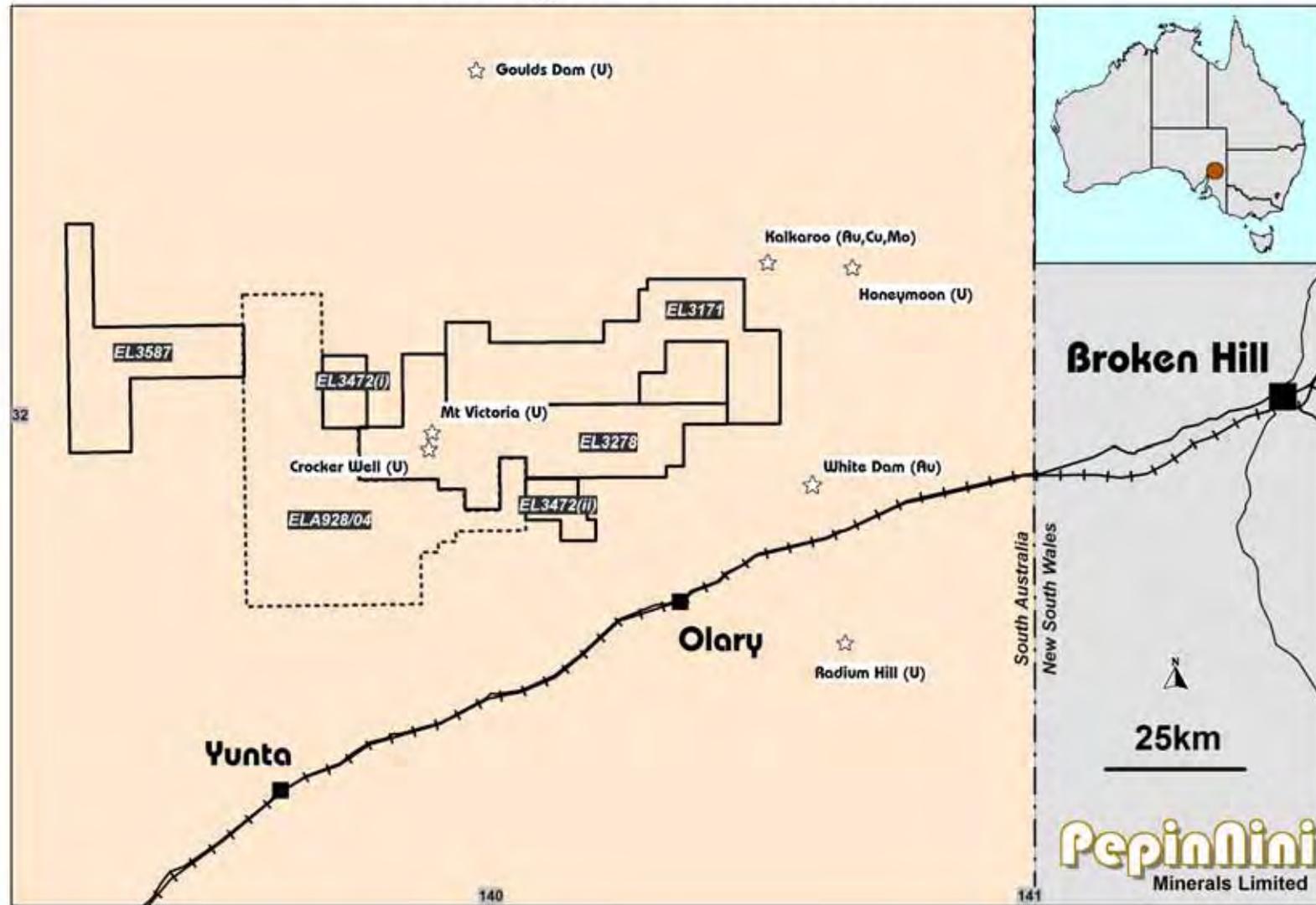


Peppinini Minerals Limited

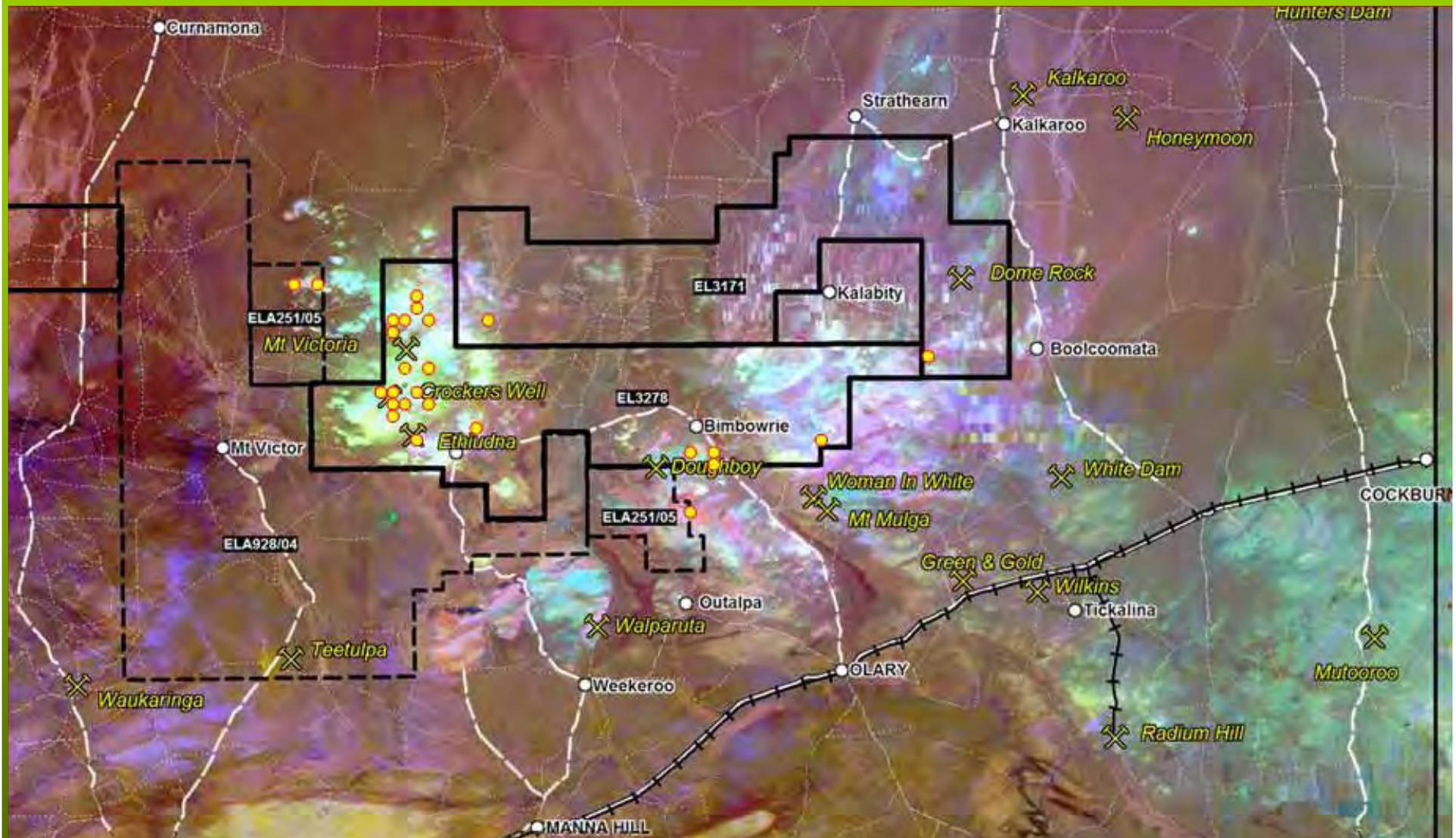


A\$11 million budget over 2 years to explore and develop uranium prospects and investigate the non uranium potential of the tenements

Curnamona Project - Tenement Location Plan



An Advanced Uranium Project covering 3,778sq kms under 4 granted exploration licences and 1 exploration licence application

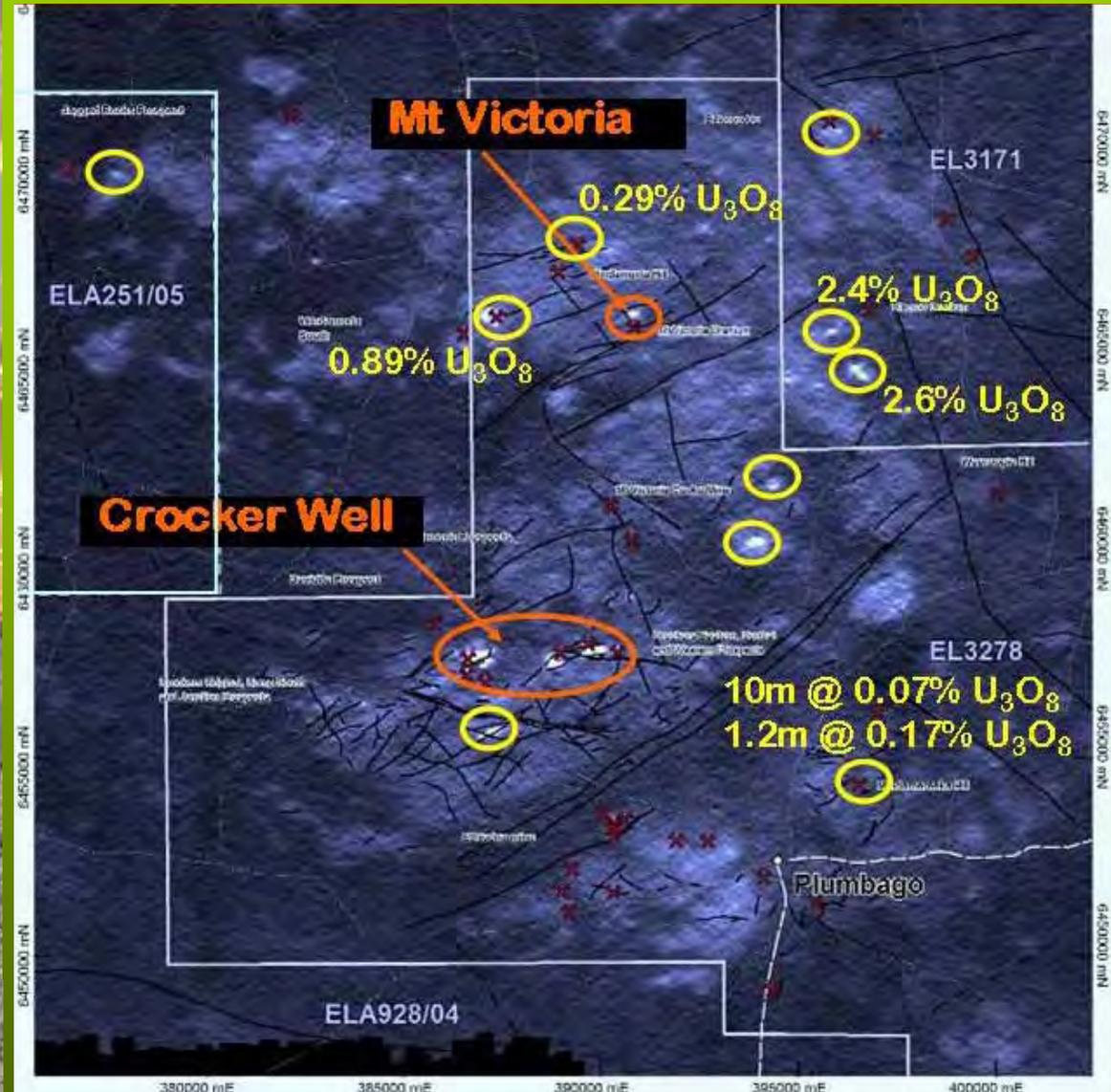


26 additional known primary uranium prospects other than Crocker Well and Mt Victoria. Potential for secondary palaeochannel style deposits as well as unconformity related uranium mineralisation

Crocker Well Project

Curnamona Province

South Australia



Ten Prospects identified in the vicinity of Crocker Well and Mt Victoria. High grade surface samples ($> 2\% U_3O_8$) from newly discovered Becaroo and Anomaly A Prospects



Drilling at Crocker Well – June, 2007

Uranium mineralisation from
10m to 99.2m with an average
grade of 0.05% (eU₃O₈)



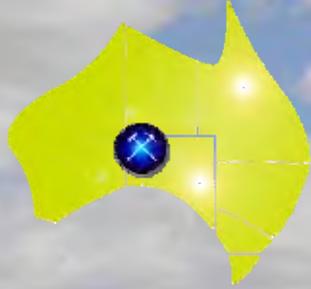
Drilling at Crocker Well – June, 2007



Summary

Uranium Project – South Australia

- An advanced exploration project with a defined resource of U_3O_8 ready to develop
- 19.8 million lbs of U_3O_8 JORC compliant resource at Crocker Well and Mt Victoria
- 26 additional known uranium prospects to be investigated. 10 surface outcrops ready to drill
- Very high grade surface samples (up to 26kgs/tonne U_3O_8) from newly discovered Becaroo and Anomaly A Prospects
- Potential for Palaeochannel Uranium Deposits
- Potential for unconformity related Uranium Deposits on the Willyama Fm/Adelaidean contact



Musgrave Province Project (Nickel)



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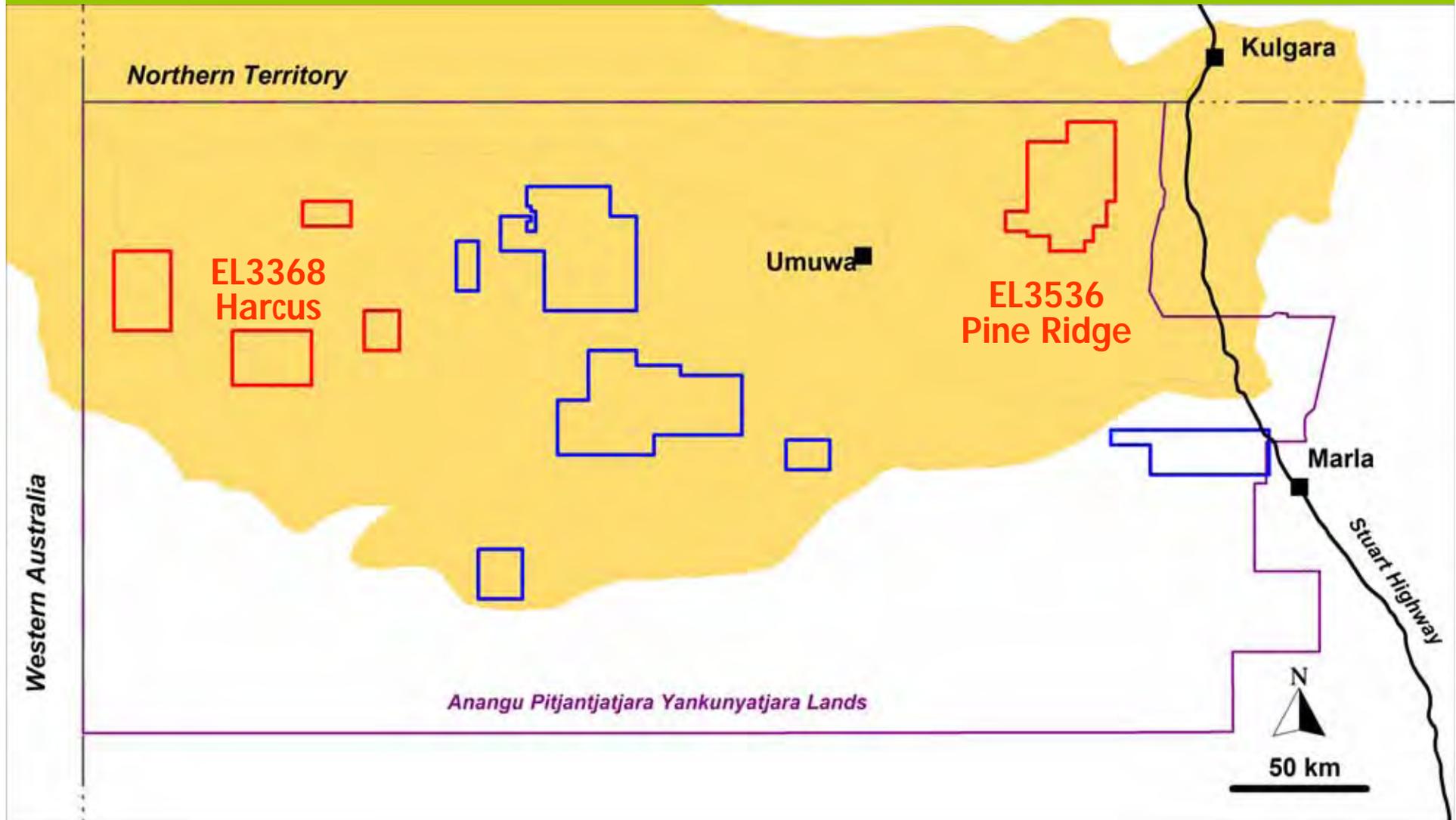
Musgrave Project

- Exploration of province in infancy
- Highly prospective & widely untested
- Similar setting to Voisey's Bay (Canada)
- Primary target Nickel-Copper Sulphide & PGE's associated with Giles Complex mafic intrusives
- Secondary targets include basemetals, gold, ferrous metals, rare earths & diamonds.

Project Summary

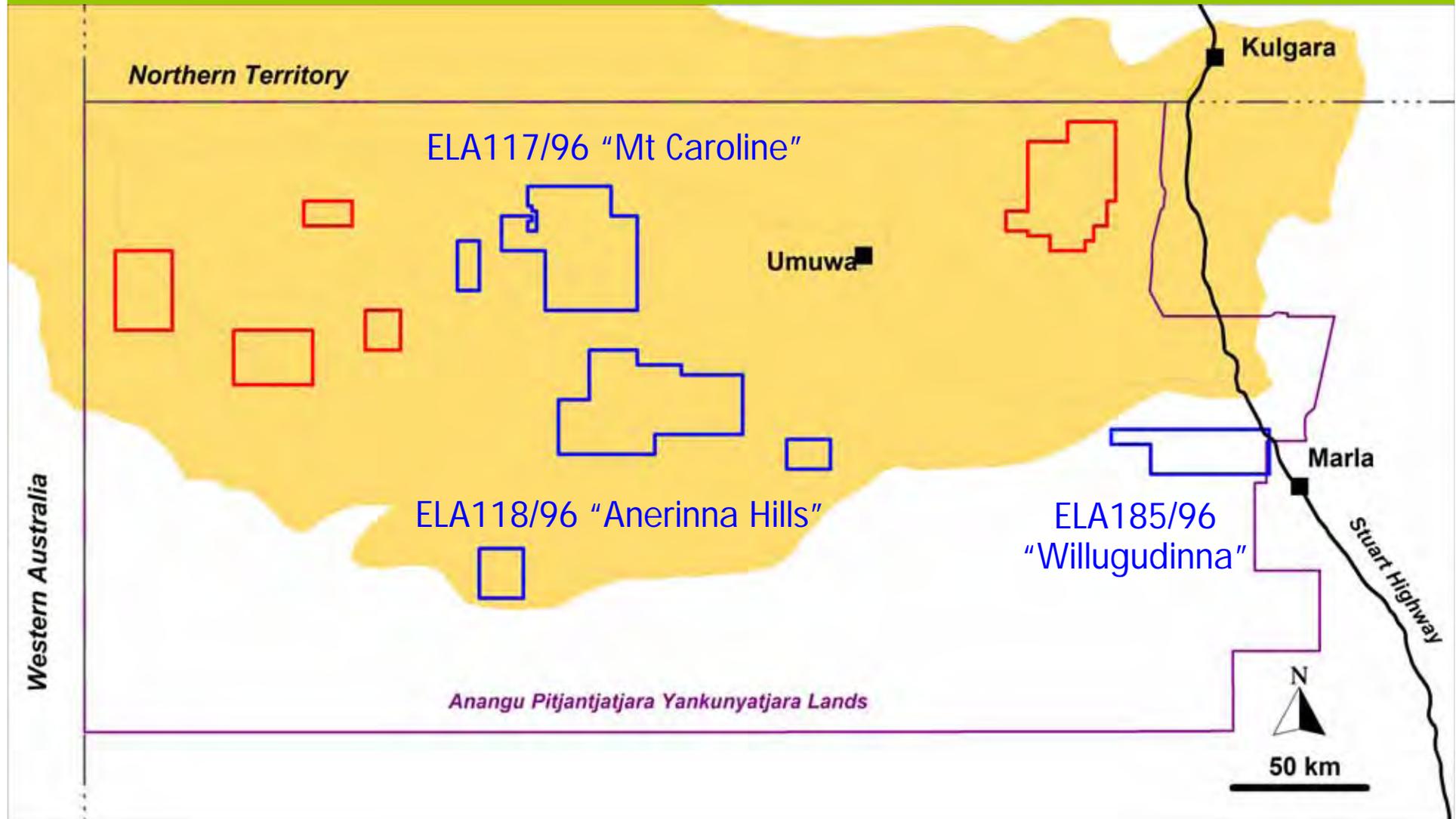
- Tenement portfolio covers 8,143 km²
- Exploration activities commenced Sept 2005.
- Prior to 2007 company had completed
 - ✓ Helicopter electromagnetic / magnetic surveys
 - ✓ Ground Electromagnetic Surveys
 - ✓ Reverse Circulation Drilling
 - ✓ Rock chip sampling & mapping
- Identification of sulphide and priority targets for further investigation.

Musgrave Tenement Status (Nov 07)



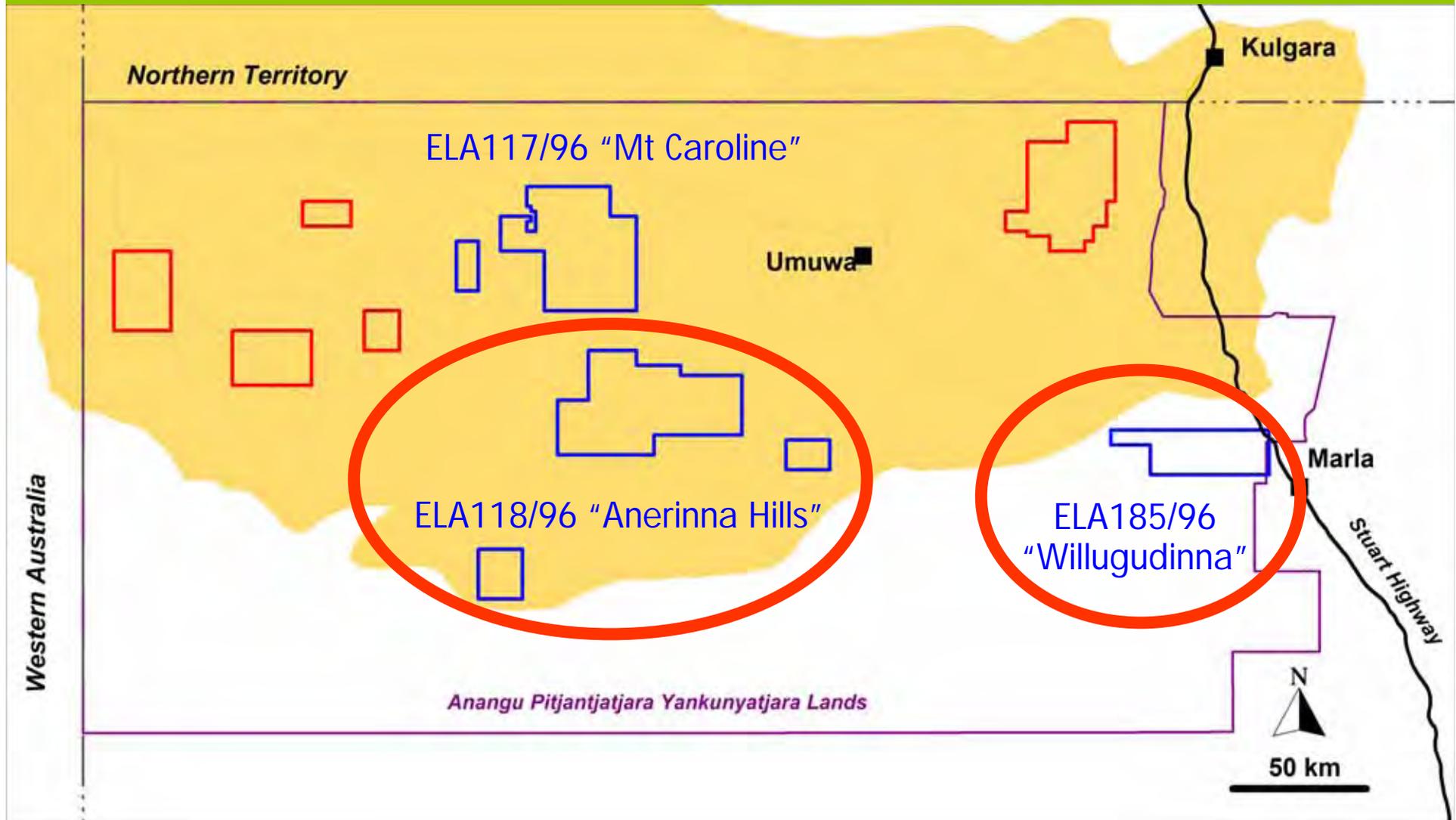
2 Granted Exploration Licences (5 blocks = 2,989 km²)

Musgrave Tenement Status (Nov 07)



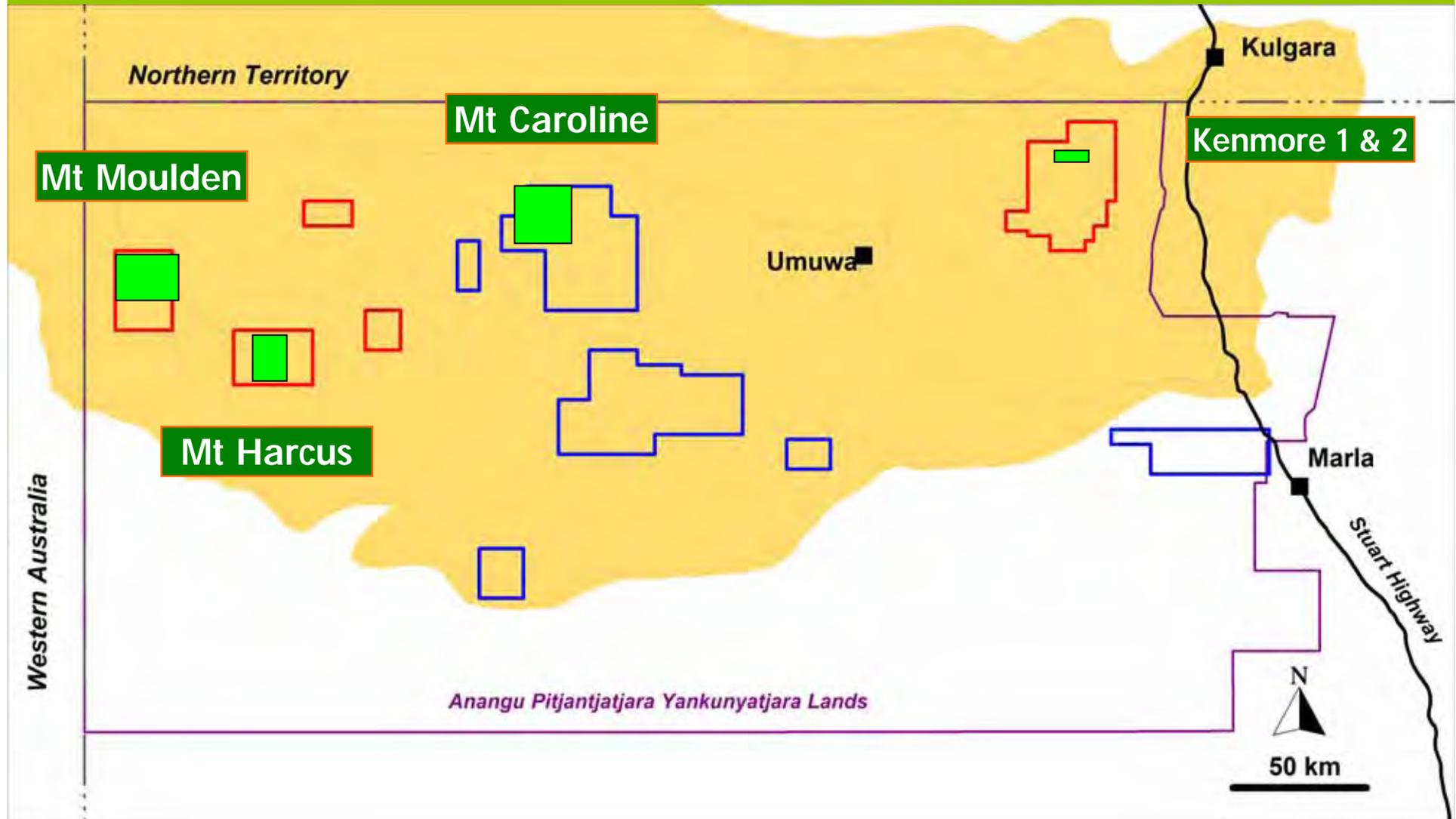
3 Exploration Licence Applications (6 blocks = 5,154 km²)

Musgrave Tenement Status (Nov 07)



Initial consultation of remaining tenement shortly.

Nickel Sulphide Target Locations



Highest priority Ni-Cu sulphide targets.

Exploration Activities 2007

- **Soil Auger Sampling**



- **Ground Geophysical Surveying
(Magnetic & Gravity)**

Exploration Activities 2007

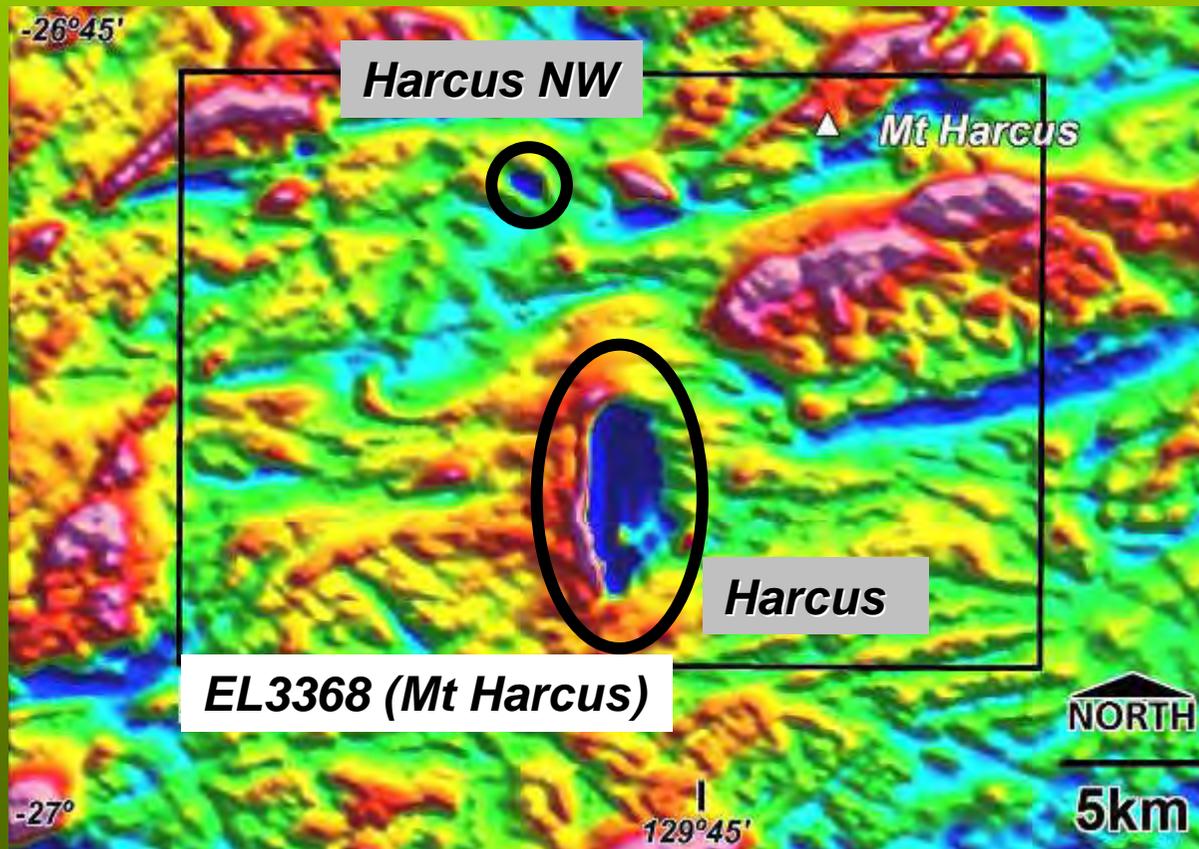


- Drilling with LD90F commenced July '07
- 8 holes for ~2,900m
 - 5 holes (Harcus)
 - 2 holes (Harcus NW)
 - 1 hole (Moulden)
- *PACE* funding of 3 holes



Drilling continues...

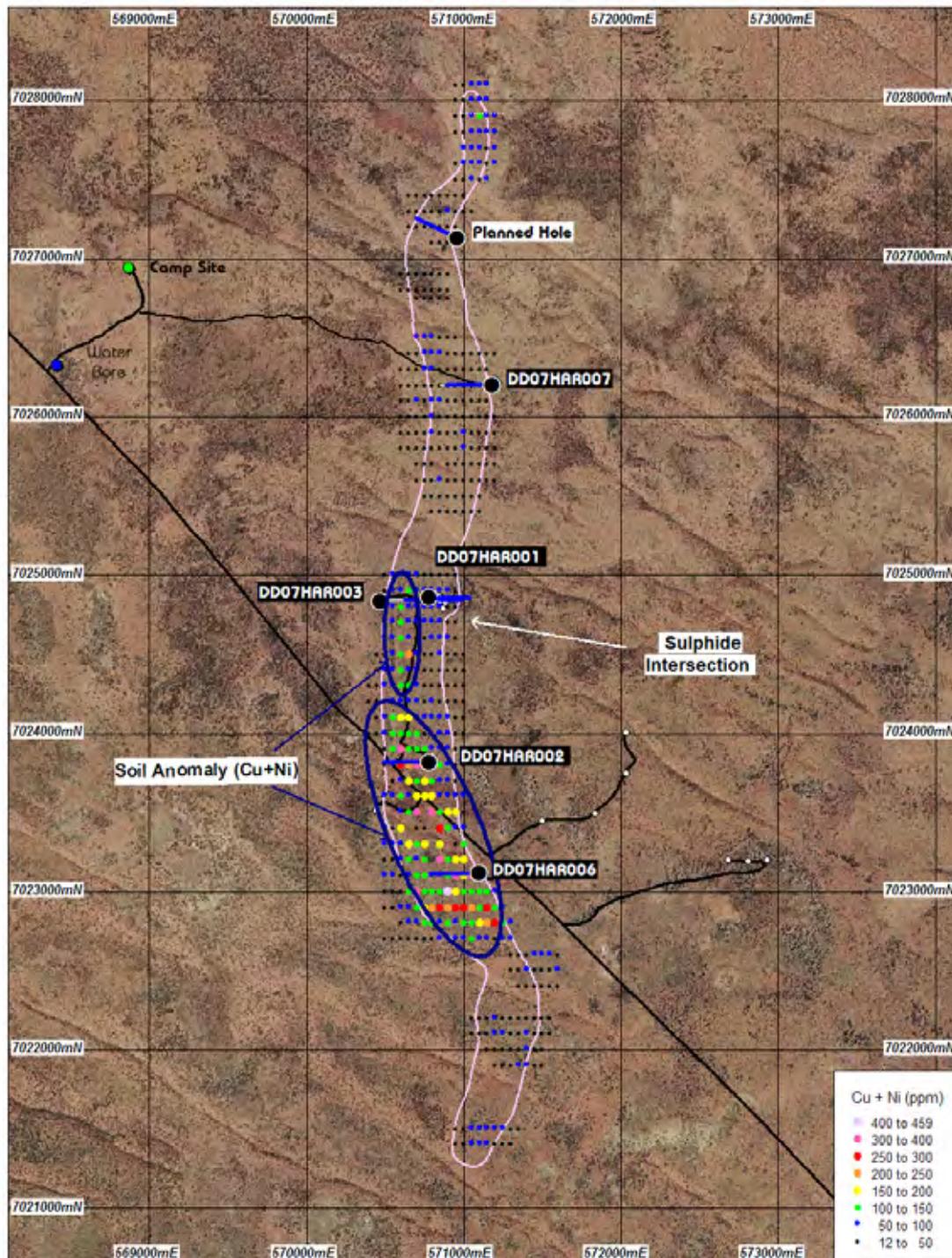
Mt Harcus Block - Nickel Sulphide Targets



- Nickel copper sulphide platinum group metal target
- Similar geological setting to Voisey's Bay
- Extreme magnetic anomalies ($>20,000\text{nT}$)
- Harcus Intrusion 7km x 350m (mag-gravity)
- Harcus NW (mag-EM – gravity)

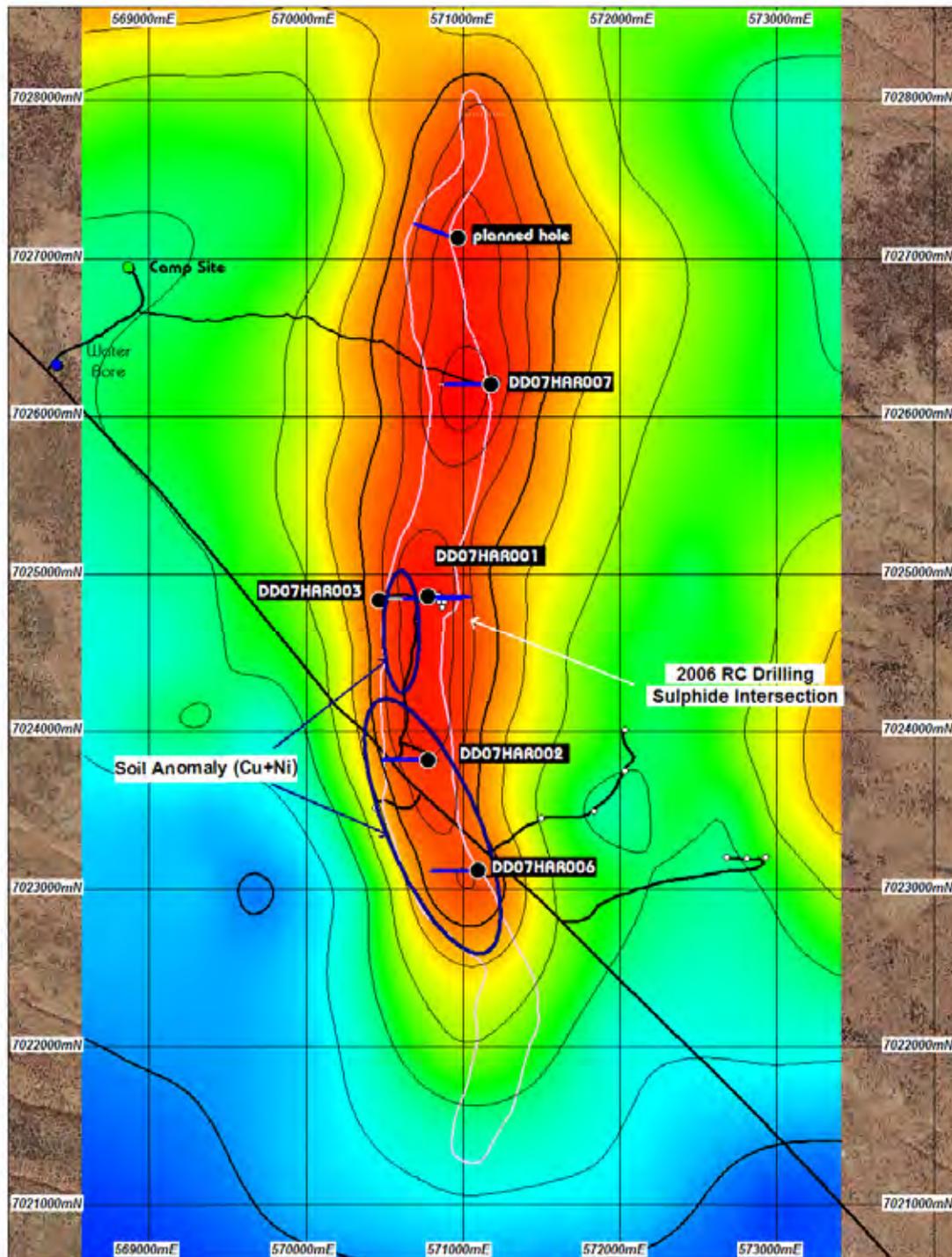
Harcus Prospect

- Soil auger sampling
- Ground mag surveying
- Gravity surveying
- 2007 drilling
 - 5 holes (~2165m)
 - Incl. 2 *PACE* holes
- Sulphides intersected
 - Pyrrhotite Dominant (Fe)
 - Minor Chalcopyrite (Cu)
 - Trace Pentlandite (Ni)
 - Max results (to date)
 - 0.2% Cu, 254ppm Ni
- *more results pending...*



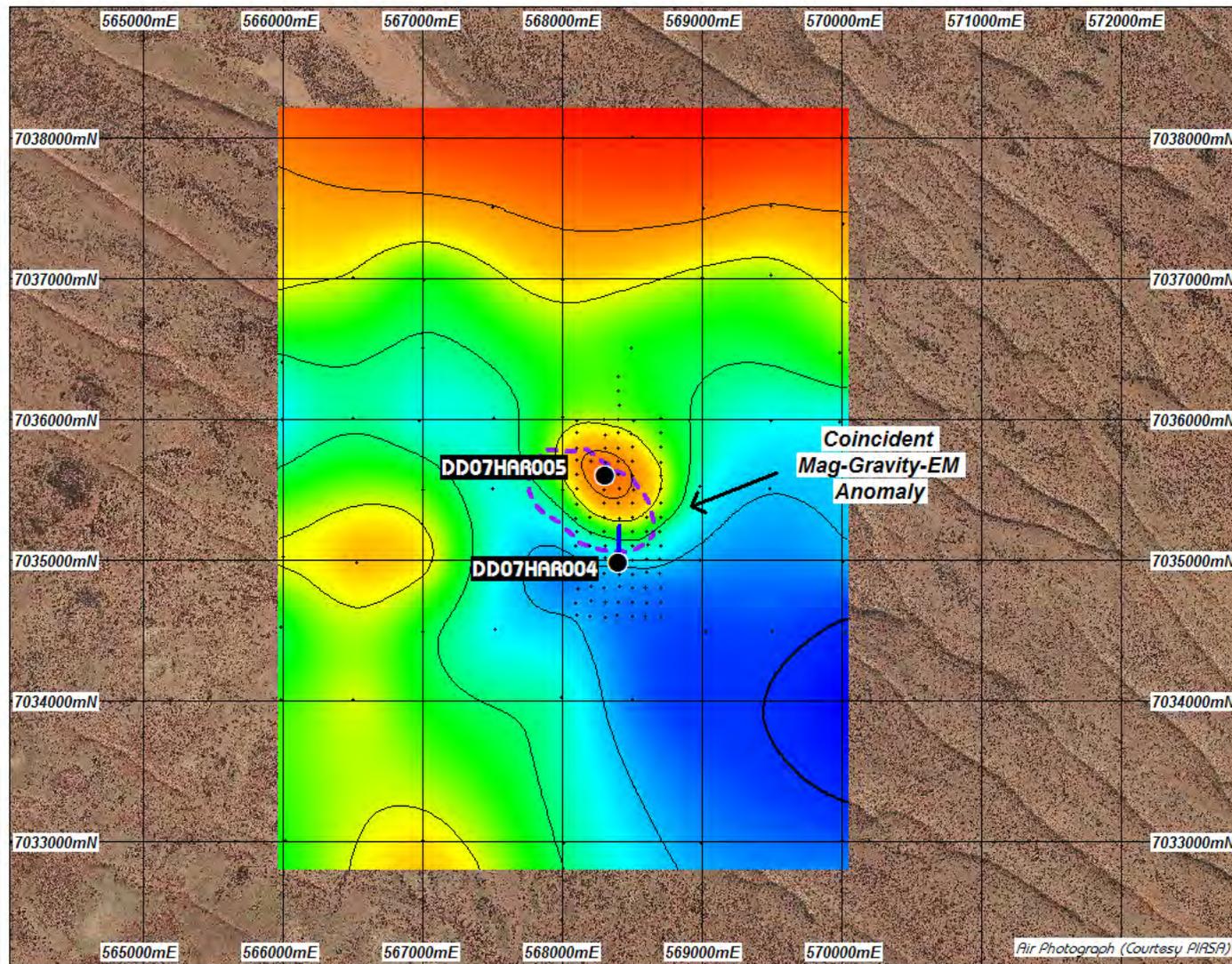
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- Core Drill Hole (2007) (completed or in progress)
- Reverse Circulation Drill Hole (2006)
-  Gravity Survey (1 mGal Contour Intervals)

Harcus NW Prospect - Nickel Sulphide Target



GDA94 - MGA Zone 52

▪ Gravity Station (June 2007)

 Interpreted Giles Complex Intrusion (Intense Magnetic Low)

 '07 Drill Hole

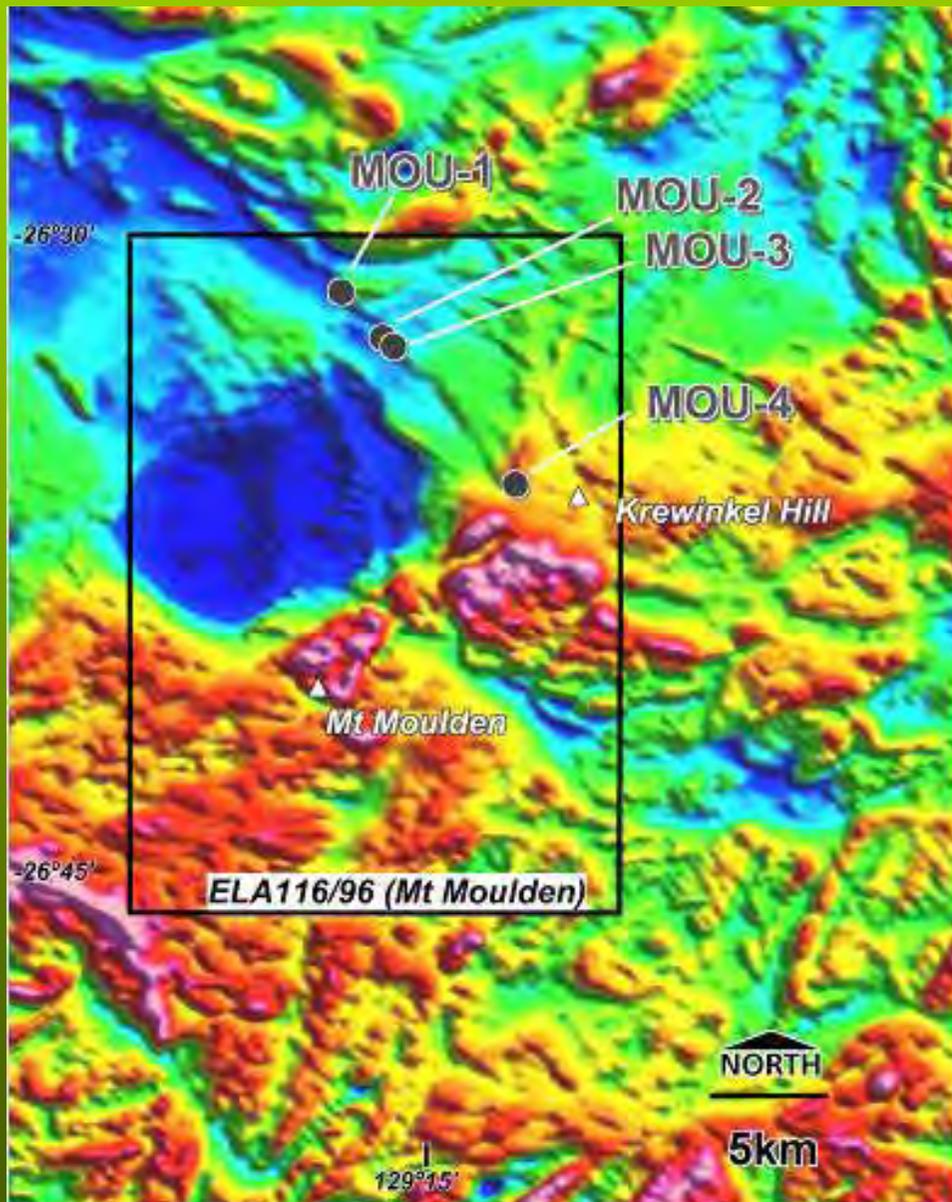
 Bouguer Anomaly Gravity (1 mGal Contour Interval)

500m
(1:40,000)

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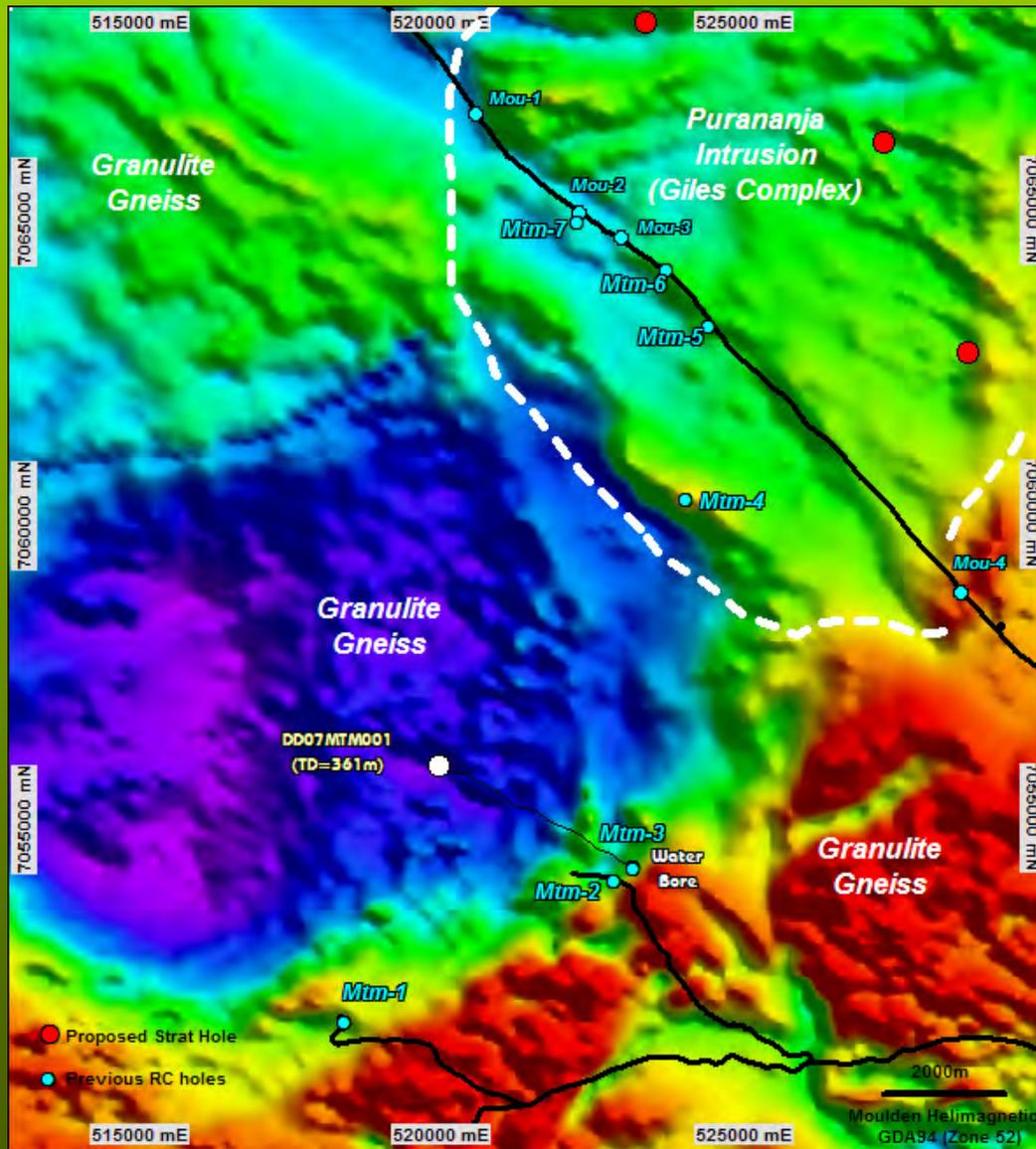
Air Photograph (Courtesy PIRSA)

Mt Moulden Block - Nickel Sulphide Targets



- Nickel copper sulphide & platinum group metal targets
- Similar geological setting to Voisey's Bay
- Large 10x15km magnetic anomaly
- Strong gravity features
- Prospective Giles Complex rocks in NE of block
- Sulphides in PIRSA drilling
- Elevated Ni, Cu, Au, Pt in chip samples

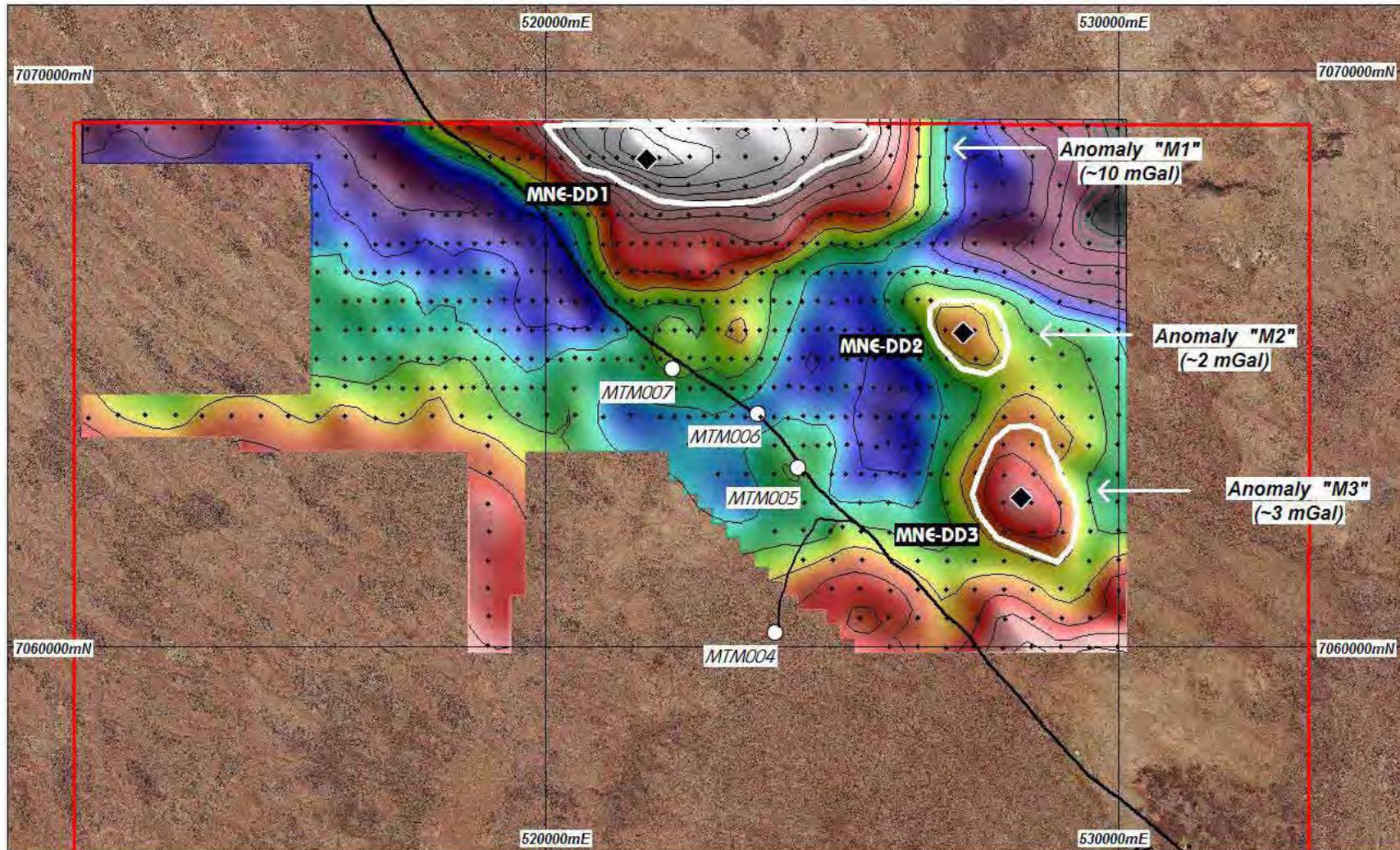
Moulden - Nickel Sulphide Target



- Gravity Surveying
- 2007 Drilling
 - 1 hole (361.16m)
 - PACE hole
- Stratigraphic test of large magnetic anomaly
- Further drilling of gravity anomalies planned

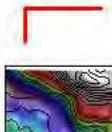


EL3368 (Mt Moulden Block): Moulden NE Prospect - Gravity Survey.



GDA94 - MGA Zone 52

Air Photograph (Courtesy PIRSA)



EL 3368 (Mt Moulden Block)

■ Gravity Station (June 2007)

◆ Proposed Drill Hole

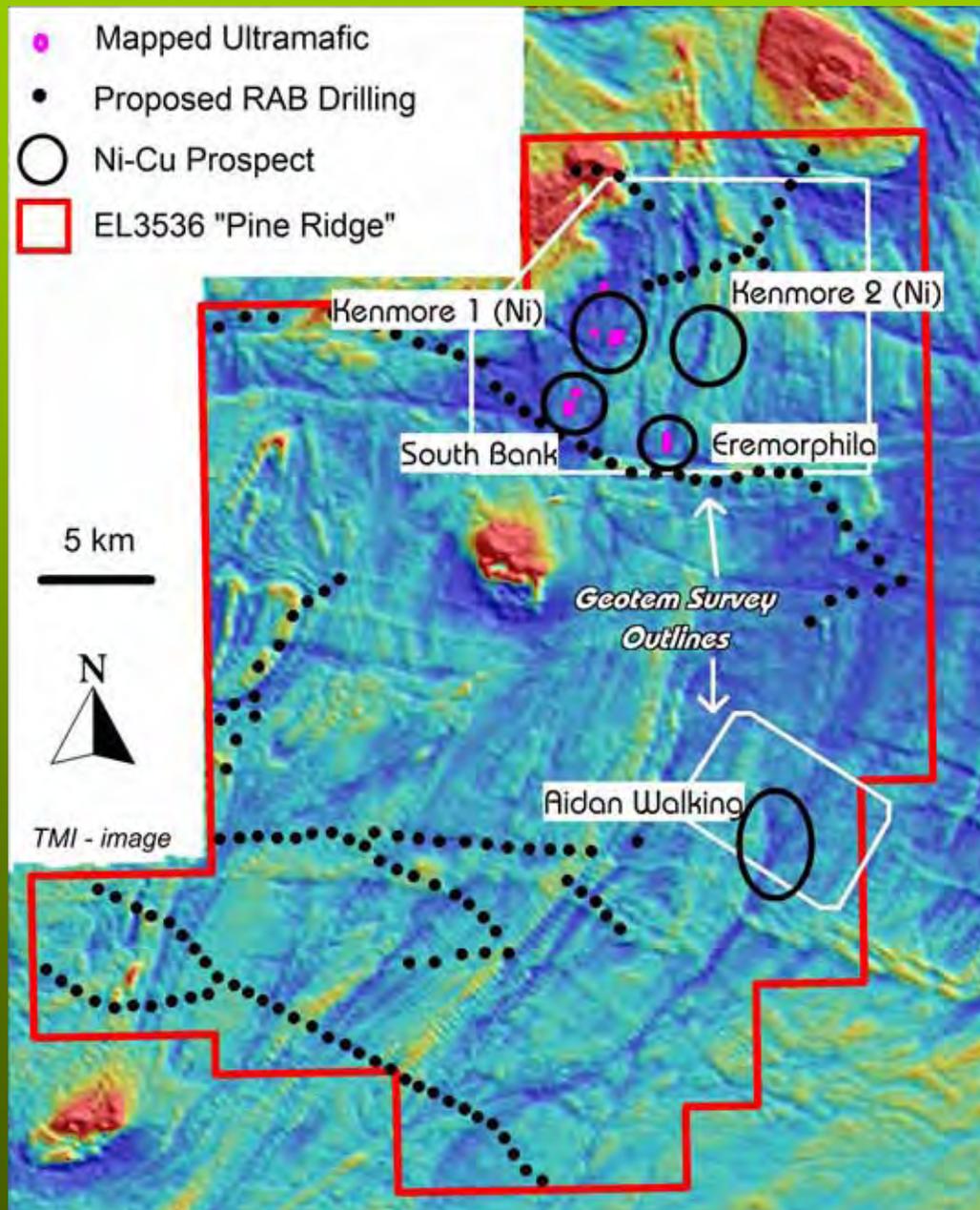
1000m

1st Order Residual Filter Gravity

○ RC Hole 2006

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Pine Ridge EL3536



- Acquired from Rio Tinto
- Mapped ultramafic rocks
- Known Ni & Ni-Cu prospects
- Drilling of nickel targets planned during 2008
- Basement rocks similar to Broken Hill region.
- Potential base metal targets
- Regional shallow drilling to generate base metal targets planned during 2008

Mt Caroline ELA117 / 96

- APY executive has approved access (documentation awaited)
- Largest interpreted undeformed intrusive complex in the Musgrave Province
- Mapped ultramafic rocks.
- Proximal to chalco-pentlandite discovery at West Mt Caroline by PIRSA
- Free “over-flight” airborne electromagnetic data provided by Rio Tinto
- Eleven targets identified for immediate drilling
- Expect to have granted tenement and heritage clearance approvals early 2008.
- Drilling operations will progress from completed activities at Marcus / Moulden to Caroline (anticipated March 2008)

Mt Caroline ELA117 / 96

 Mt Caroline ELA117/96

 Immediate Drill Targets

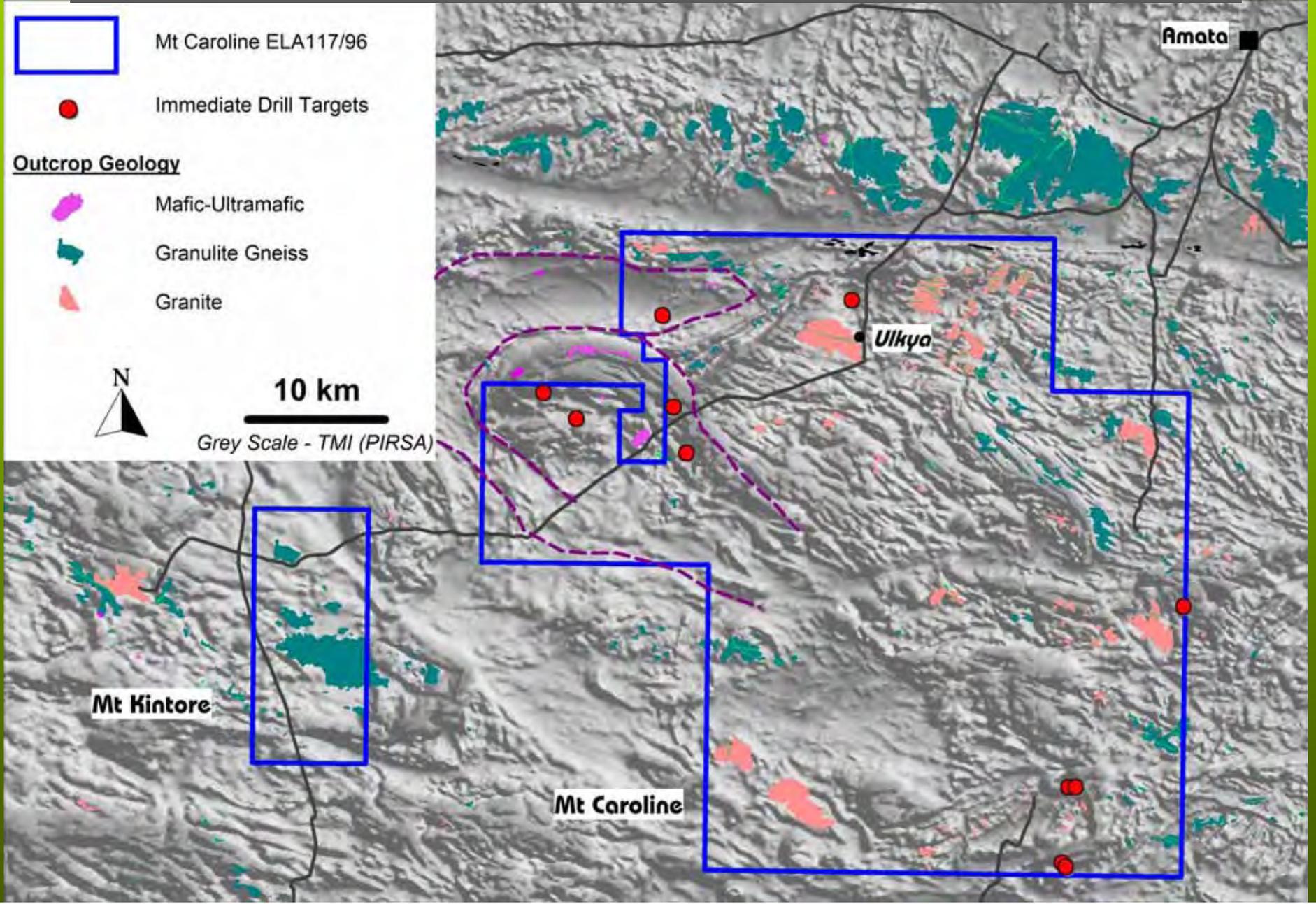
Outcrop Geology

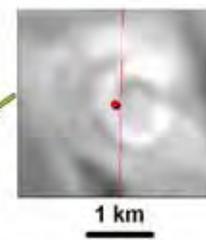
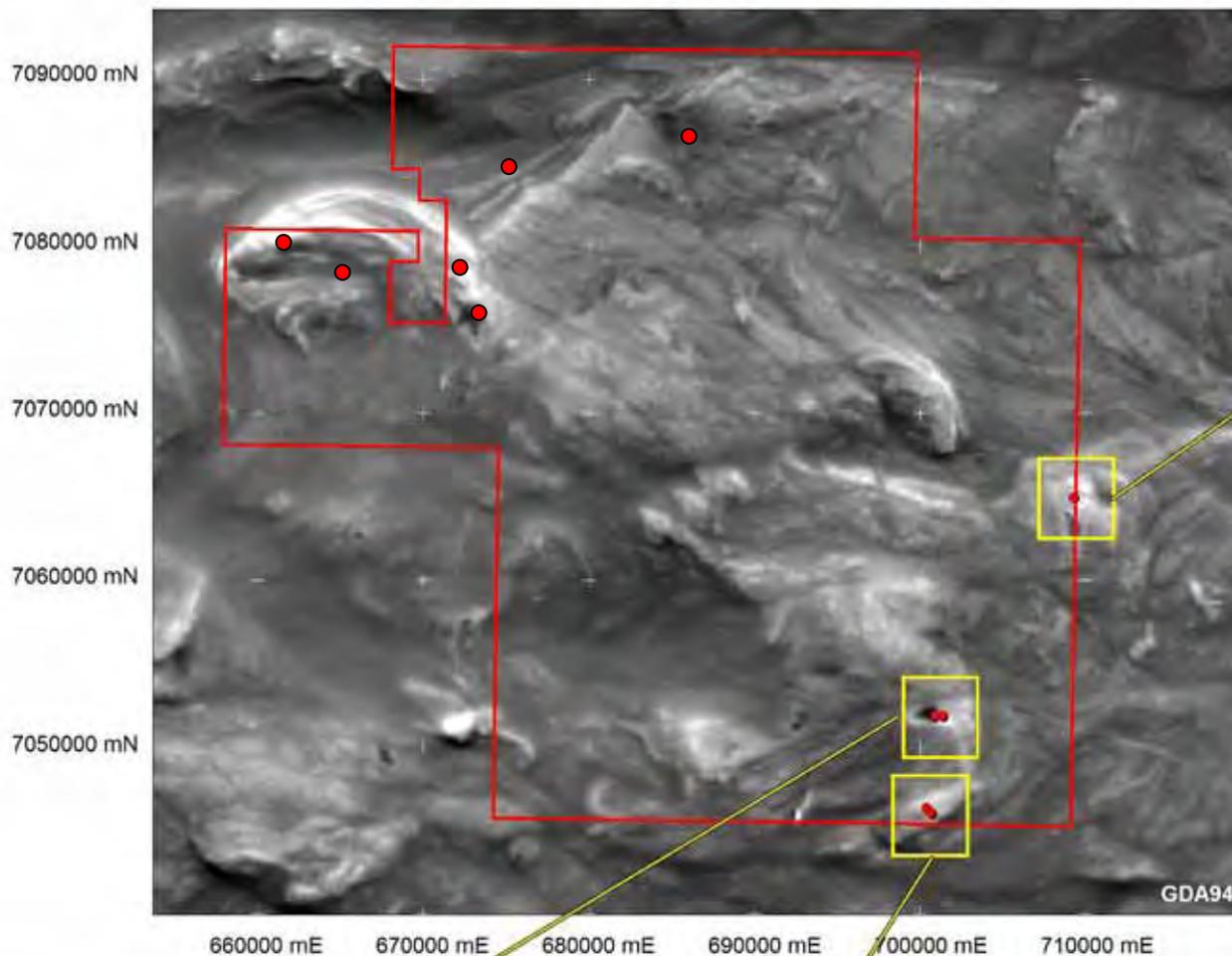
-  Mafic-Ultramafic
-  Granulite Gneiss
-  Granite

 N

 10 km

Grey Scale - TMI (PIRSA)



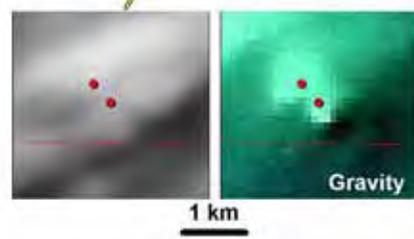
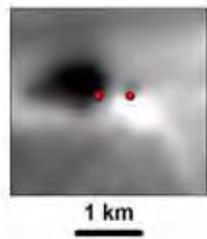


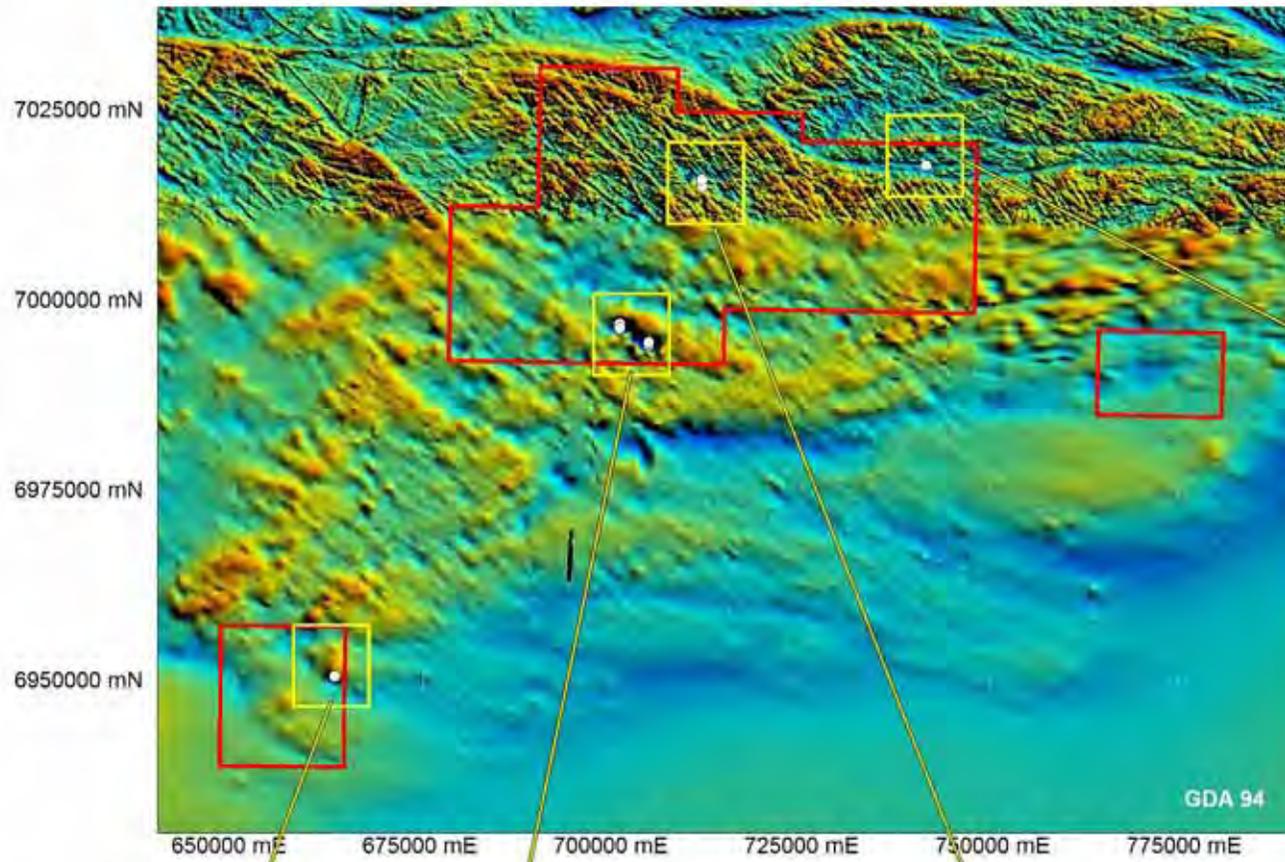
• Proposed borehole

**ELA 117/96
MOUNT CAROLINE**

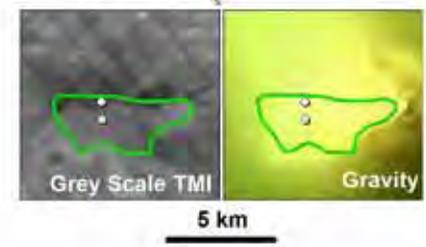
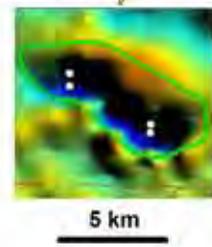
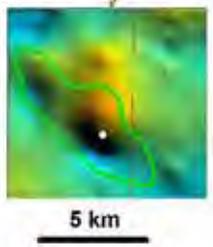
Regional Magnetic Targets

**Grey Scale TMI
(courtesy of PIRSA)**





-  Interpreted Mafic / Ultramafic Intrusion
-  Proposed borehole



ELA 118/96
ANERINNA HILLS, ILTUR
Regional Magnetic Targets
Colour TMI
(courtesy of PIRSA)

SUMMARY

- Actively drill testing targets at Moulden and Harcus
- Discovery & confirmation of sulphides at Harcus
- Testing for zones of sulphide accumulation at Harcus.
- Gravity targets yet to test at Moulden
- Extensive exploration programs planned for Mt Caroline and Pine Ridge

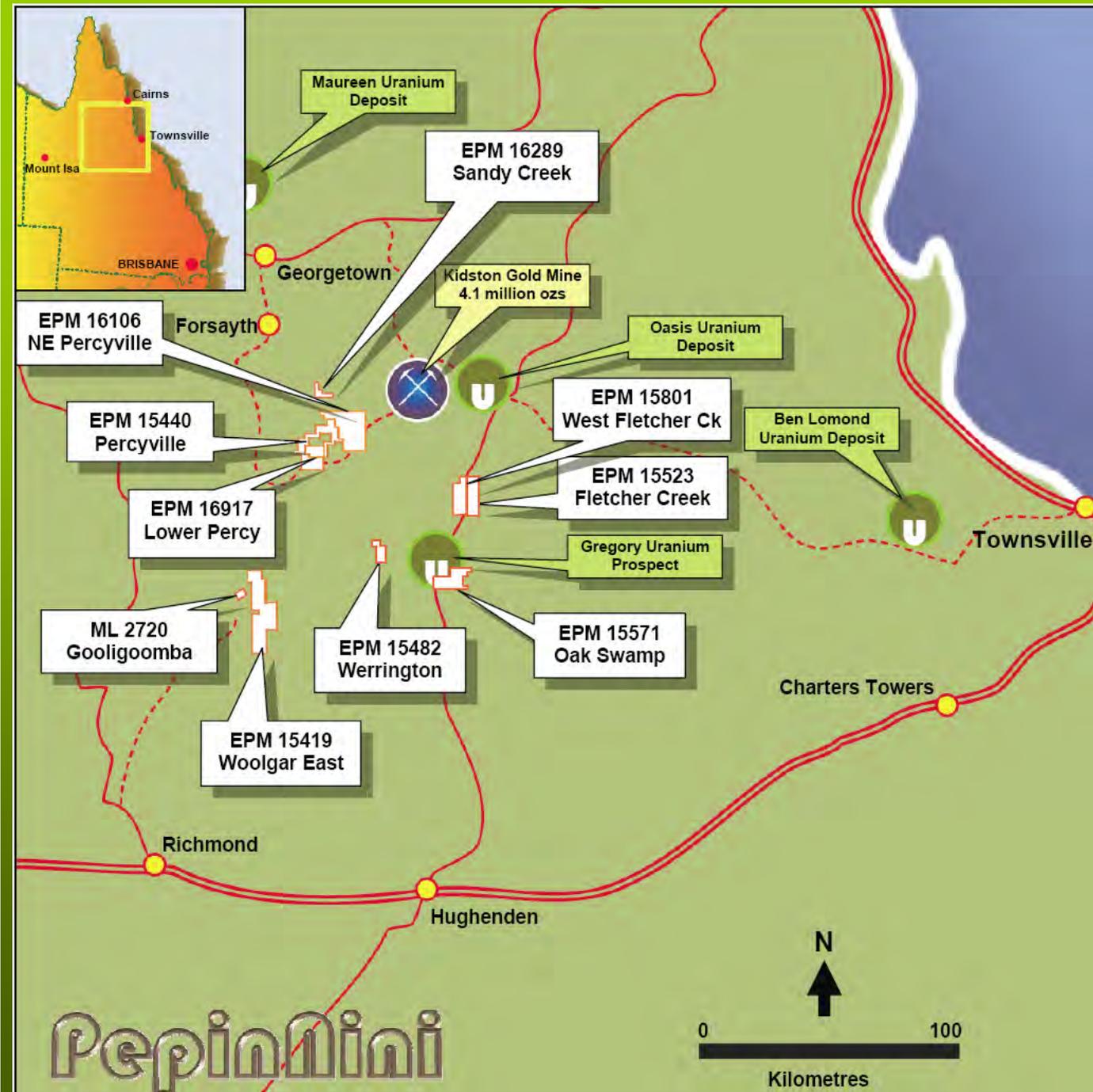






Georgetown Inlier Woolgar Project (Gold, Uranium, Base Metals)

Pepinini



10
Tenements
1,250 sq.kms

Pepinini



Uranium

- Uranium occurrences which have been inadequately tested by previous explorers and favorable geological settings for uranium mineralisation occur in all tenements
- The uranium targets are hard rock volcanic type deposits similar to the nearby Maureen and Ben Lomond Uranium Deposits. Ben Lomond represents one of the highest value per tonne uranium resources in Australia with an average grade of 0.25% U_3O_8 and molybdenum credits of 0.15%



Gold & Base Metals

- Widespread copper, gold, silver and lead mineralization has been identified in rock chip samples

- 65.1g/t gold, 435g/t silver, 9.98% copper
- 3.6g/t gold, 653g/t silver, **20.30% copper**
- 5.65g/t gold, 42g/t silver, 5.72% copper
- 0.7g/t gold, 22g/t silver, 16.90% copper
- 3.72g/t gold, 732g/t silver, 13.8% copper, 1.07% lead
- 0.6g/t gold, 637g/t silver, 11.25% copper, 3.4% lead
- 0.27g/t gold, 165g/t silver, 10.8% lead
- 1.63g/t gold, **957g/t silver, 64.7% lead**



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2008 Program

Uranium Project

- Drilling for resource definition at Crocker Well and investigation of other uranium prospects
- Metallurgical testing of Crocker Well ore
- Commence Regulatory Approvals Process, Environmental Impact Statement and Bankable Feasibility Study for Crocker Well Uranium Deposit

*A\$5 million budget over 18 months
(Sinosteel Corporation commitment)*

Curnamona Base Metals Project

- Extensive drilling program of identified prospects with copper/gold and lead/zinc potential

*A\$6 million budget over 18 months
(Sinosteel Corporation commitment)*



Pepini

2008 Program

Musgrave Province Nickel Project

- Geophysical and geochemical surveys over all granted tenements
- Drilling programs at Mt Marcus, Mt Moulden, Mt Caroline and Pine Ridge targets
A\$3 million budget over 12 months

Queensland Project

- Commence field operations including a drilling program
A\$1.5 million over 12 months

Acquisition Opportunities

- Continually assess potential acquisition opportunities as and when they present



Thank You

Disclaimer:

- The information in this presentation is published to inform you about PepinNini Minerals Limited and its activities. All reasonable effort has been made to provide accurate information, but we do not warrant or represent its accuracy and we reserve the right to make changes to it at any time without notice.
- To the extent permitted by law, PepinNini Minerals Limited accepts no responsibility or liability for any losses or damages of any kind arising out of the use of any information contained in this presentation. Readers are advised to consult a stockbroker or professional adviser before making any investment decisions.
- The information in this presentation that relates to Exploration Results and Mineral Resources is based on information compiled by Norman Kennedy BSc MAusIMM. Norman Kennedy is the Managing 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 2004 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Norman Kennedy 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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