



**Pepinini**  
Minerals limited

**2010**

# Capital Structure

(21<sup>st</sup> November, 2010)

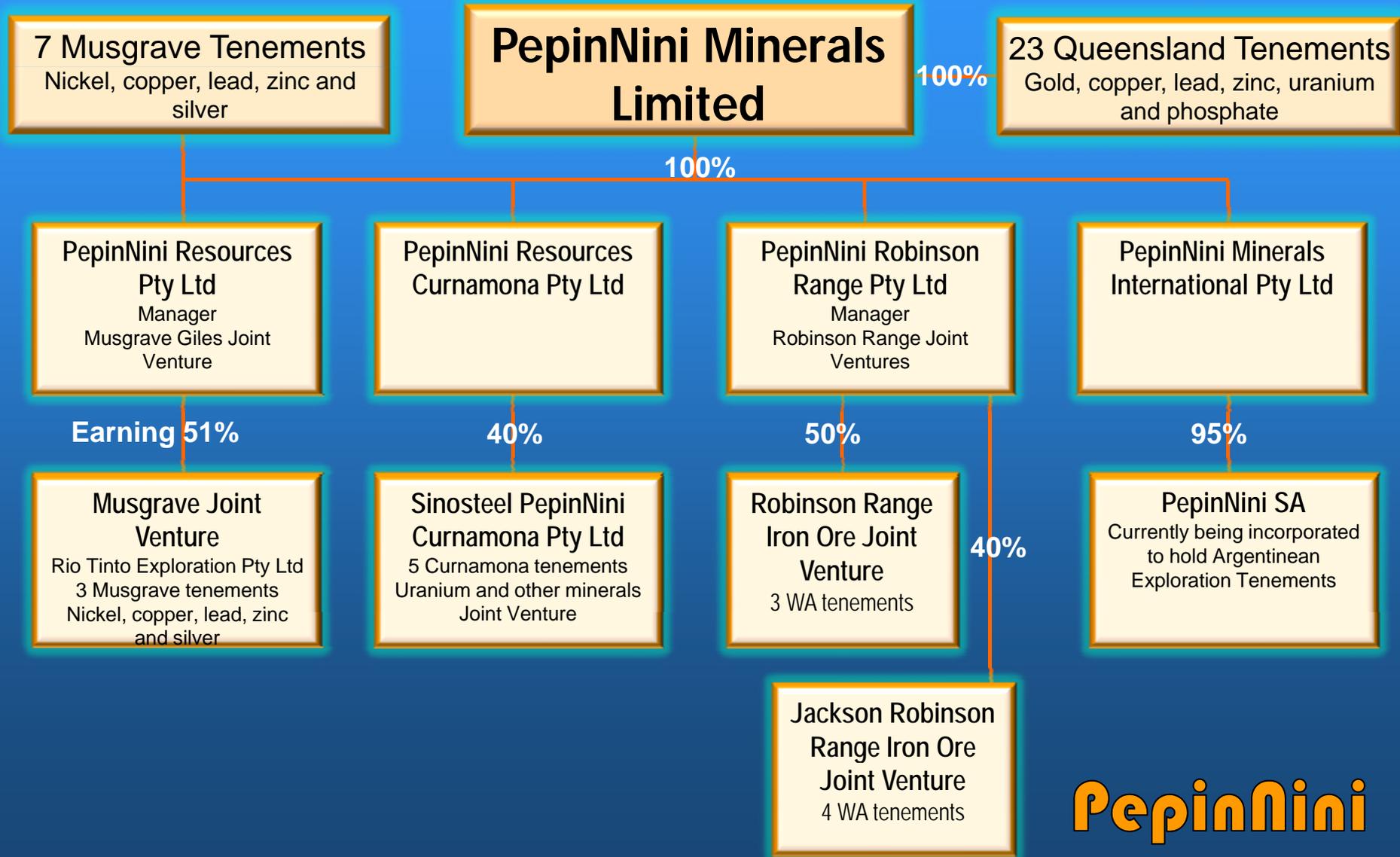
- 78,202,499 shares on issue
- Currently 1,880 shareholders
- 54% of issued capital held by top 20 shareholders
- Currently capitalised at AUD\$15.6 million
- Current cash AUD\$4 million  
(+ AUD\$5 million expenditure from Sinosteel)



**Pepinini**

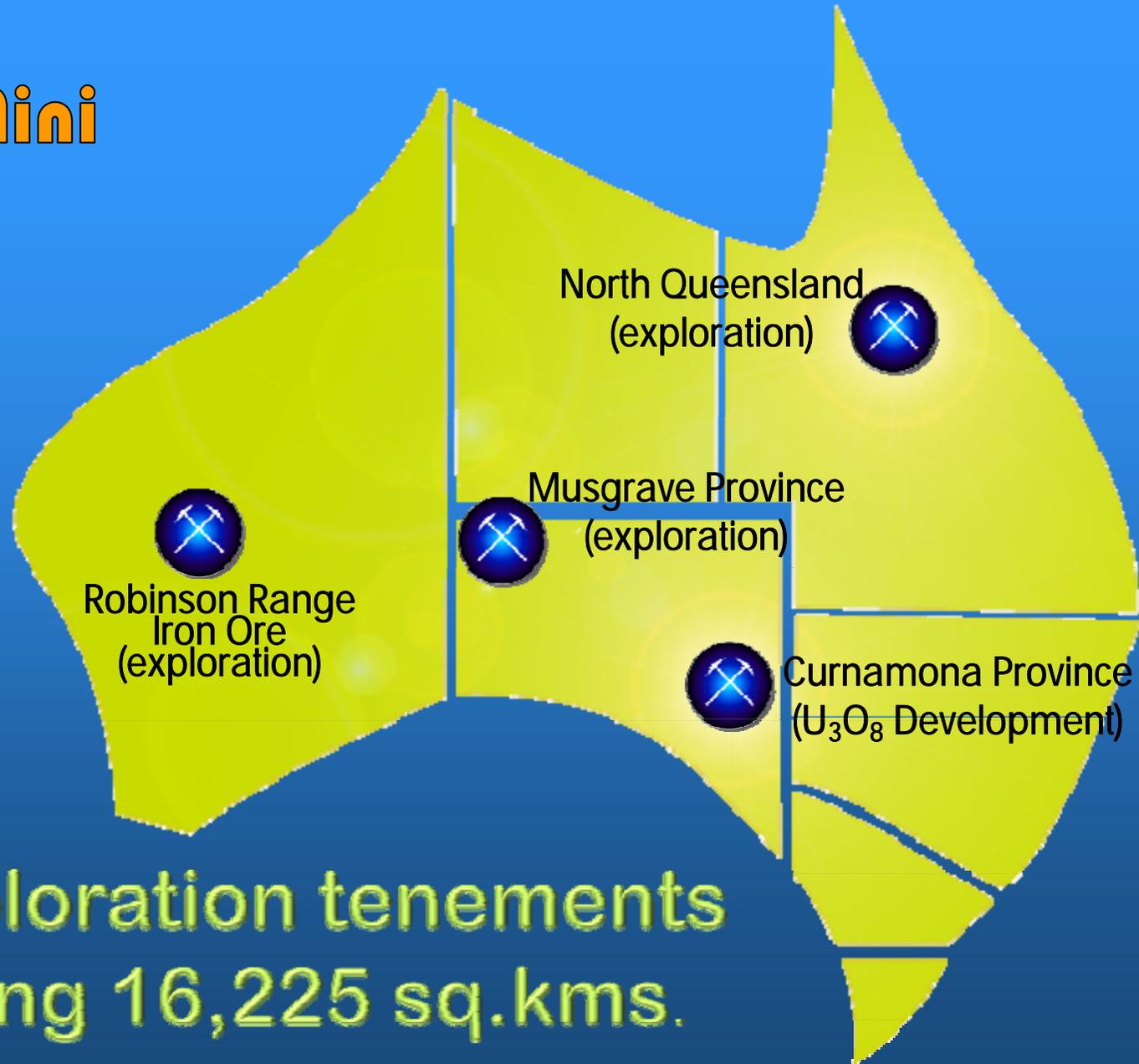
# Corporate Structure

(21<sup>st</sup> November, 2010)



**PepinNini**

# Pepinini



45 exploration tenements  
covering 16,225 sq.kms.

Currently incorporating an Argentinean entity to acquire exploration tenure and assessing opportunities in Argentina and other South American countries



# 2010 Highlights

## Robinson Range Iron Ore Project

- **Completion of Farm-in obligations to earn a 50% interest in 3 tenements and a 40% interest in 4 tenements with iron ore potential in the Midwest of WA. Execution of a JV Agreement to explore and develop the identified Direct Shipping Ore (DSO) potential. Substantial iron mineralisation identified in outcrop at 12 prospect sites with surface sample grades of up to 67.3% Fe**



# 2010 Highlights

## North Queensland Project

- Drilling program of 25 RC boreholes completed on Queensland tenements targeting high grade gold and copper. Encouraging early results including :
  - 2 metres @ 10.1g/t gold, 33g/t silver and 0.6% copper
  - 1 metre @ 20.3 g/t gold, 35g/t silver and 0.6% copper
  - 3 metres @ 7.2 g/t gold, 13g/t silver and 0.2% copper
  - 1 metre @ 14.9g/t gold and 223g/t silver
  - 4 metres @4.7g/t gold and 70g/t silver
  - 2 metres @ 3.5g/t gold and 4.7g/t silver



# 2010 Highlights

## Musgrave Project

- Awarded an additional two exploration licence applications in the Musgrave Province through a tender process conducted by Primary Industries & Resources South Australia (PIRSA). The areas are considered highly prospective as they are dominated by Giles Complex mafic-ultramafic which is prospective for Ni-Cu sulphide mineralisation.



## 2010 Highlights

### Musgrave Project (cont.)

- Completion of a 8 diamond boreholes and 327 vacuum boreholes within EL 4048 Mt Caroline. Disseminated sulphides and favourable lithologies for Ni-Cu sulphide mineralisation were observed in all diamond boreholes
- Ten diamond boreholes drilled within EL 3931 Woodroffe. Elevated nickel, copper and chromium values were assayed for a number of intervals including 6metre @ 0.14% nickel, 0.10% copper and 0.12% chromium and 53metres @ 0.09% nickel, 0.06% copper and 0.15% chromium



## 2010 Highlights

### Curnamona Project

- An independent JORC compliant estimate of the mining recoverable uranium resources of the Crocker Well Uranium Project was completed. At a cutoff grade of 150ppm  $U_3O_8$  the combined deposits at Crocker Well consists of an Indicated Resource totalling 13,250,000 tonnes at 283 ppm  $U_3O_8$  for 3,750 tonnes (8.27 Mlbs) contained  $U_3O_8$ , and an Inferred Resource totalling 5,590,000 tonnes at 275 ppm  $U_3O_8$  for 1,537 tonnes (3.39 Mlbs) contained  $U_3O_8$



# Musgrave Project Summary

- 10 tenements covering 9,601 kms<sup>2</sup>
- Long term commitment to explore potential for world class size mineral deposits
- Targeting Giles Complex mafic-ultramafic intrusions – prospective for Ni-Cu sulphide & PGE mineralisation
- JV alliance with Rio Tinto to explore potential for large nickel copper sulphide deposits in 3 tenements





- Long term commitment to explore potential for world class size mineral deposits
- Company owned drilling rigs and support equipment
- Company owned field camp
- Cost effective exploration

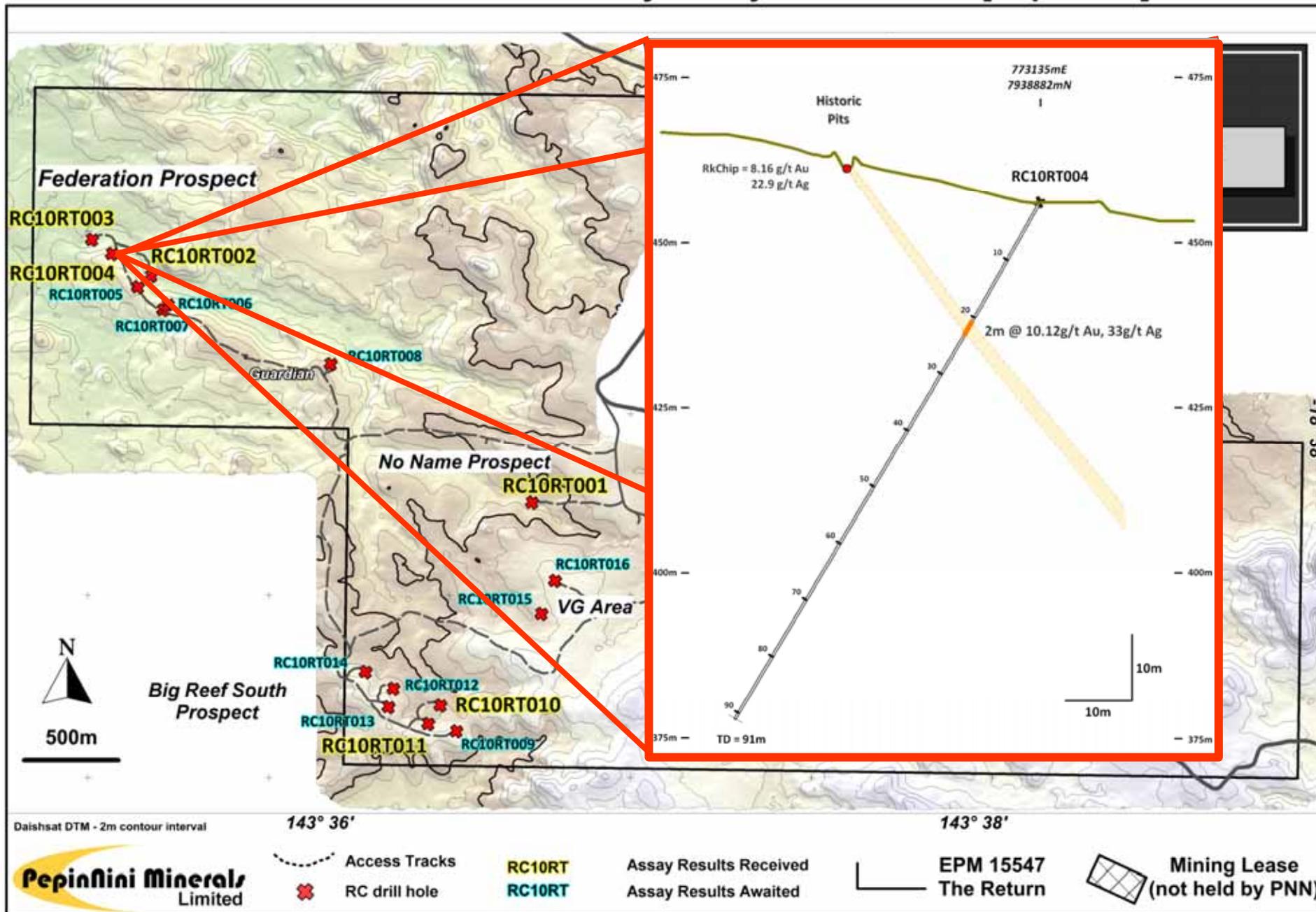


# Queensland Project Summary

- 100% interest in 23 tenements covering 2,146 kms<sup>2</sup>
- Confirmed high grade gold, copper, uranium, phosphate and potash potential
- Encouraging early results from current drilling program investigating high grade shallow gold and copper targets

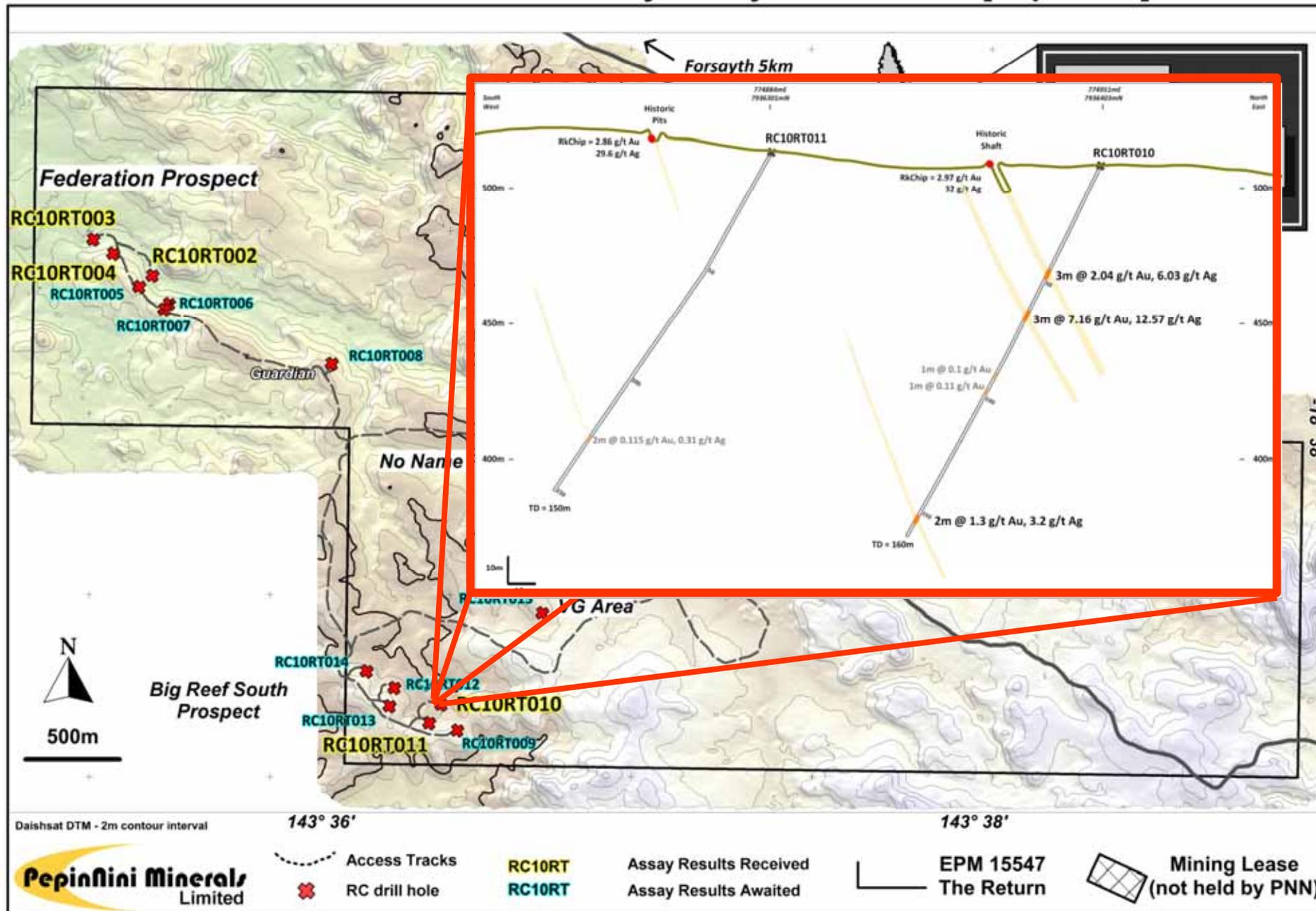


# The Return EPM15547 - Forsyth Project Drill Holes [Sept 2010]





# The Return EPM15547 - Forsyth Project Drill Holes [Sept 2010]



# Curnamoma Project Summary

- 40% interest in 5 tenements covering 3,778 kms<sup>2</sup>
- Joint Venture alliance with Sinosteel Corporation

## *Advanced Uranium Project – Crocker Well*

- JORC compliant uranium resource of 11.66million lbs. BFS currently on hold until there is an improvement in the uranium price and US dollar.

## *Other Projects*

- 26 additional known uranium prospects to be investigated
- More than 30 Base Metal (Copper/Lead/Zinc) and Gold targets ready to drill (AUD\$6million expenditure commitment by Sinosteel under JV agreement)
- Rare Earths Element (REE) potential.



# **JORC Resource**

## **Crocker Well Deposit**

*(estimated by Hellman & Schofield April, 2010)*

<b>Category</b>	<b>Pounds (U<sub>3</sub>O<sub>8</sub>)</b>	<b>Tonnes (U<sub>3</sub>O<sub>8</sub>)</b>	<b>Cut-off Grade</b>	<b>Ave. Grade</b>
<b>Indicated</b>	<b>8,270,000 lbs</b>	<b>3,750 tonnes</b>	<b>150ppm</b>	<b>283ppm</b>
<b>Inferred</b>	<b>3,390,000 lbs</b>	<b>1,537 tonnes</b>	<b>150ppm</b>	<b>275ppm</b>



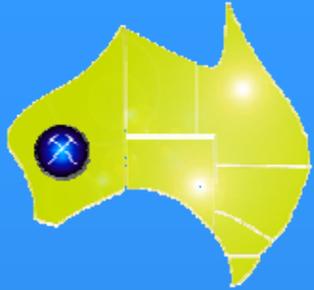


Encouraging drill intersections by previous explorers include  
10m @ 2.07g/t Au, 0.74% Cu, 5.6m @ 8.5% Cu and 32m @ 0.66% Zn

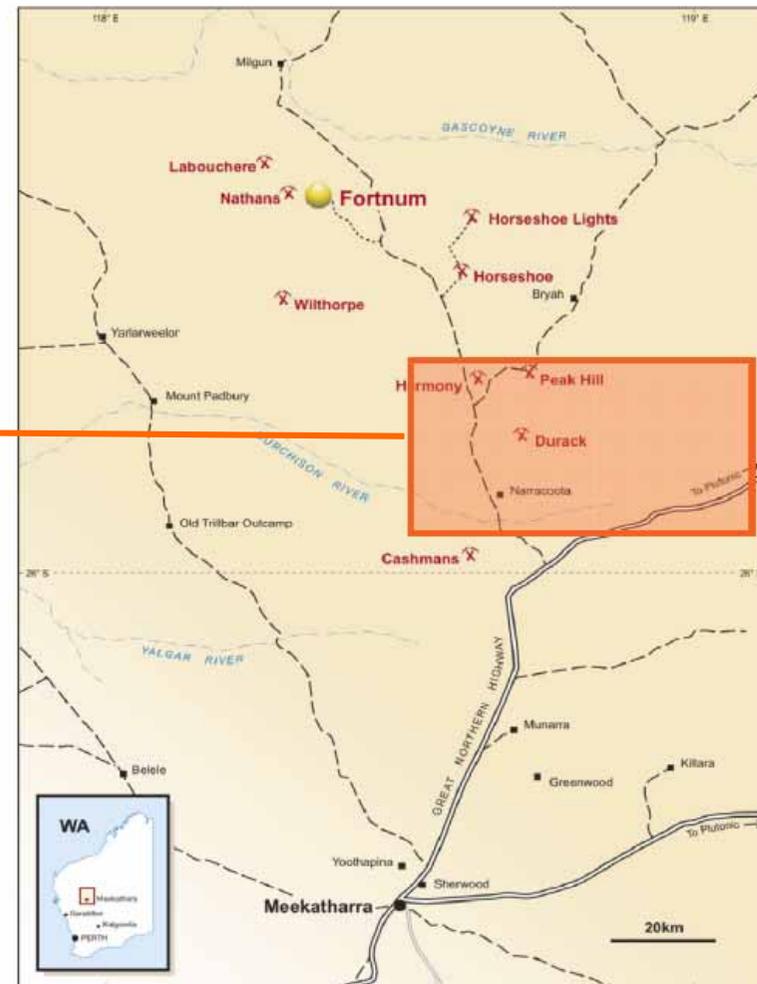
# Robinson Range Iron Ore Project Summary

- 7 tenements covering 700km<sup>2</sup> Fe prospective ground in Midwest Province
- PepinNini has a 50% interest in the iron ore rights of three tenements and 40% interest in an additional four tenements
- DSO grades, >60%Fe, low phosphorous and other contaminants
- At least 12 outcropping iron ore prospects identified

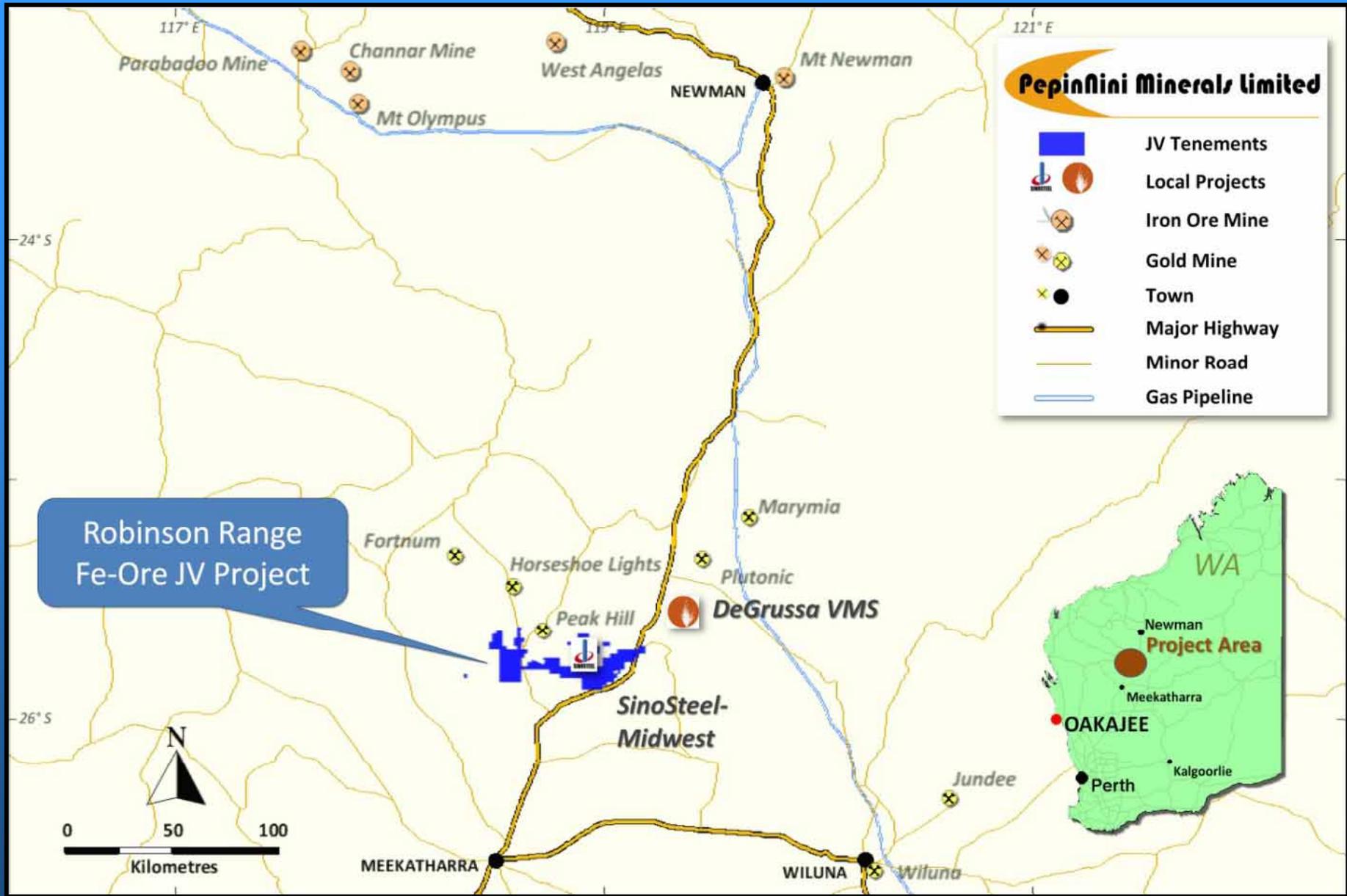




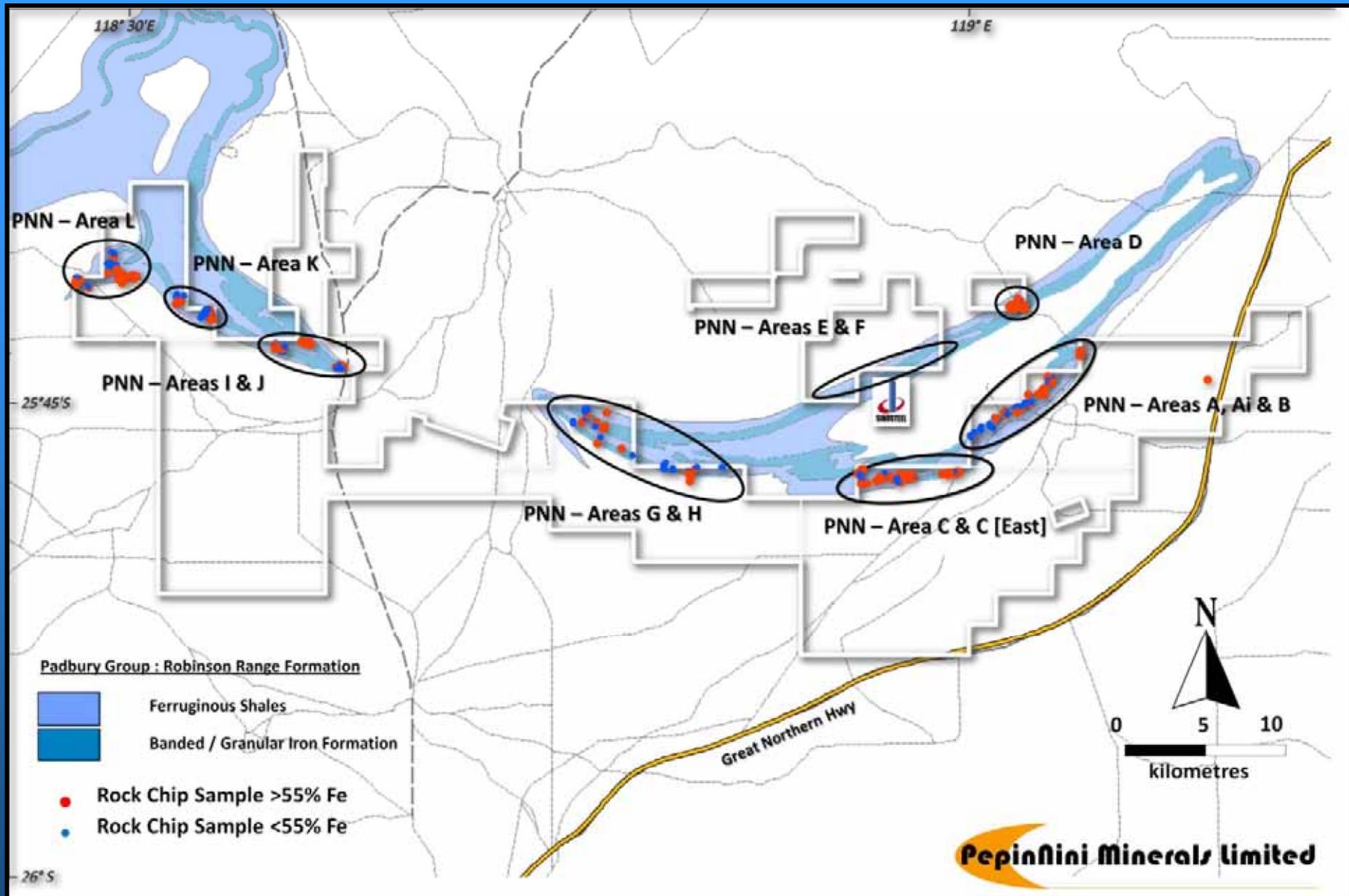
# Infrastructure and project location



LOCATION



## Robinson Range Project Location



## Identified Iron Outcrops Robinson Range Project



## Iron Outcrop Robinson Range Project



2011  
Program

## **Robinson Range Iron Ore**

- 70 RC boreholes for 5,000 metres about to commence at Robinson Range Project in WA.
- Initially targeting an Inferred JORC resource of at least 10 million tonnes DSO grade hematite and delineation of the potential for a resource of at least 100 million tonnes

## **Queensland Project**

- Assess results from recently completed drilling program. Follow up encouraging early results with additional drilling to determine continuity of high grade gold intercepts
- Investigate additional high grade gold and copper targets



## ***Curnamona Province Project***

- 4 deep(500m) precollared diamond cored boreholes investigating base metal targets to commence before end of 2010.
- 4,000m aircore program also to commence before the end of the year targeting shallow gold, base metal and uranium mineralisation.
- Assess the Crocker Well Uranium Project with regard to prevailing uranium price and value of the US dollar.

## ***Musgrave Province Nickel Project***

- On going drilling program using company rigs exploring for large nickel copper sulphide deposits and base metal deposits



**2011  
Program**

## ***Argentina Project***

- Establish a portfolio of projects through the application for prospective exploration tenure and the acquisition of quality existing projects
- Commence field exploration activities within Argentina
- Pursue opportunities in other South American countries



## Thank You

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