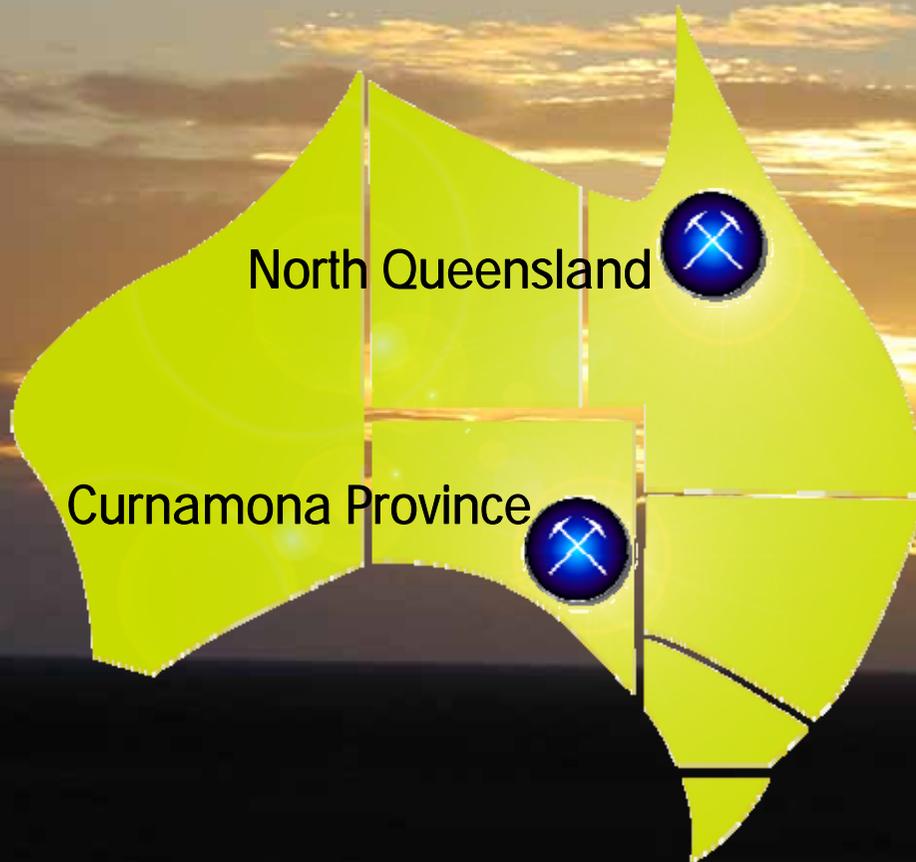


# Pepini Minerals Limited

## Australian Uranium Projects



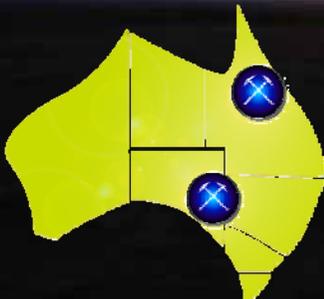
PAYDIRT'S 2007  
**URANIUM**  
CONFERENCE  
22-23 March - Hilton Adelaide

**March  
2007**

# Share Capital Details

(12 March, 2007)

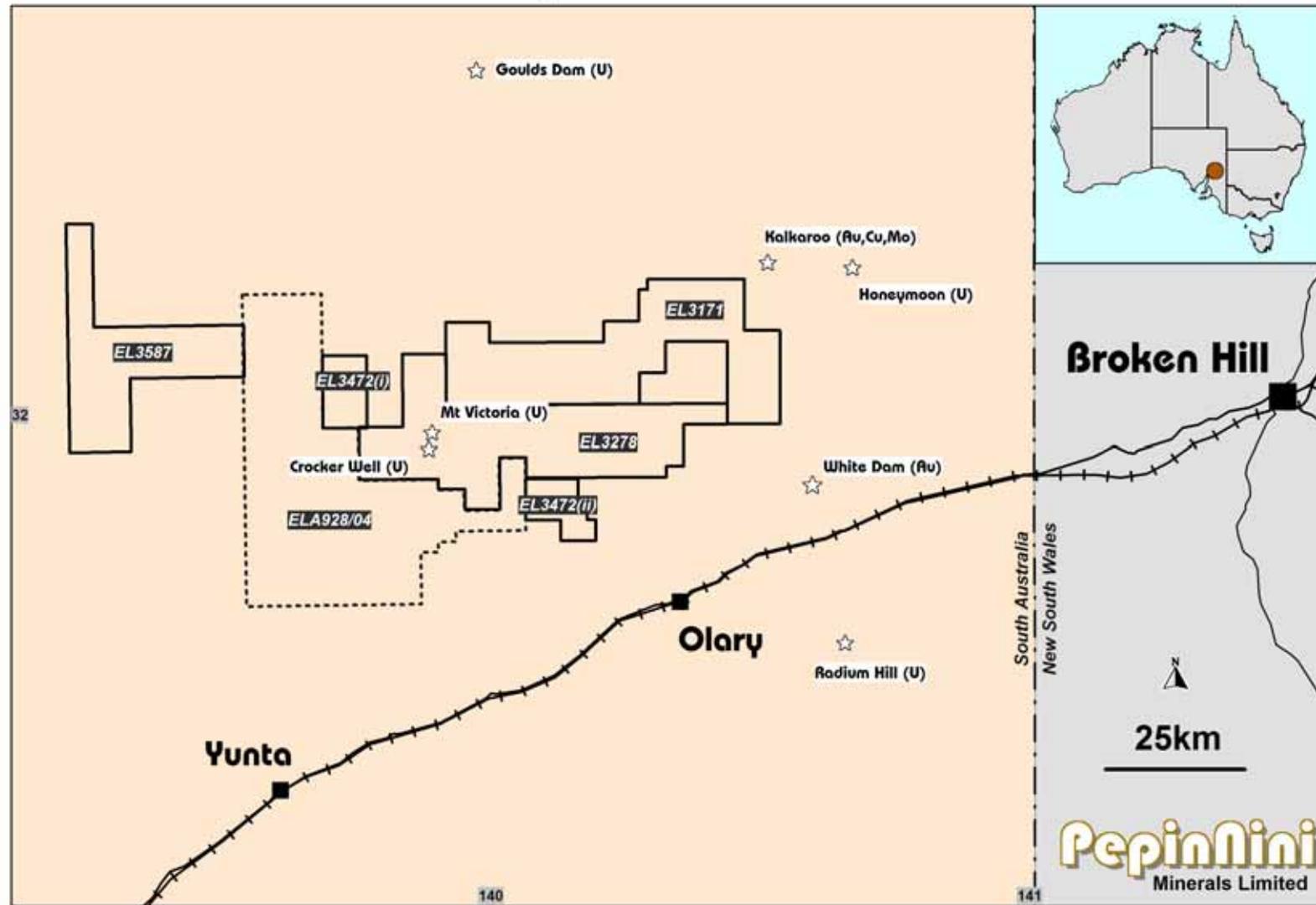
- Listed on ASX April 2005 - Code PNN
- 58,799,166 shares on issue (21,712,500 escrowed until 15 April, 2007)
- 10,408,333 unlisted 20¢ options
- Currently 1,500 shareholders
- 63% of issued capital held by top 20 shareholders
- Currently capitalised at A\$86 million  
(A\$54 million excluding escrowed shares)
- Current cash = AUS\$10 million



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## Curnamona Project - Tenement Location Plan



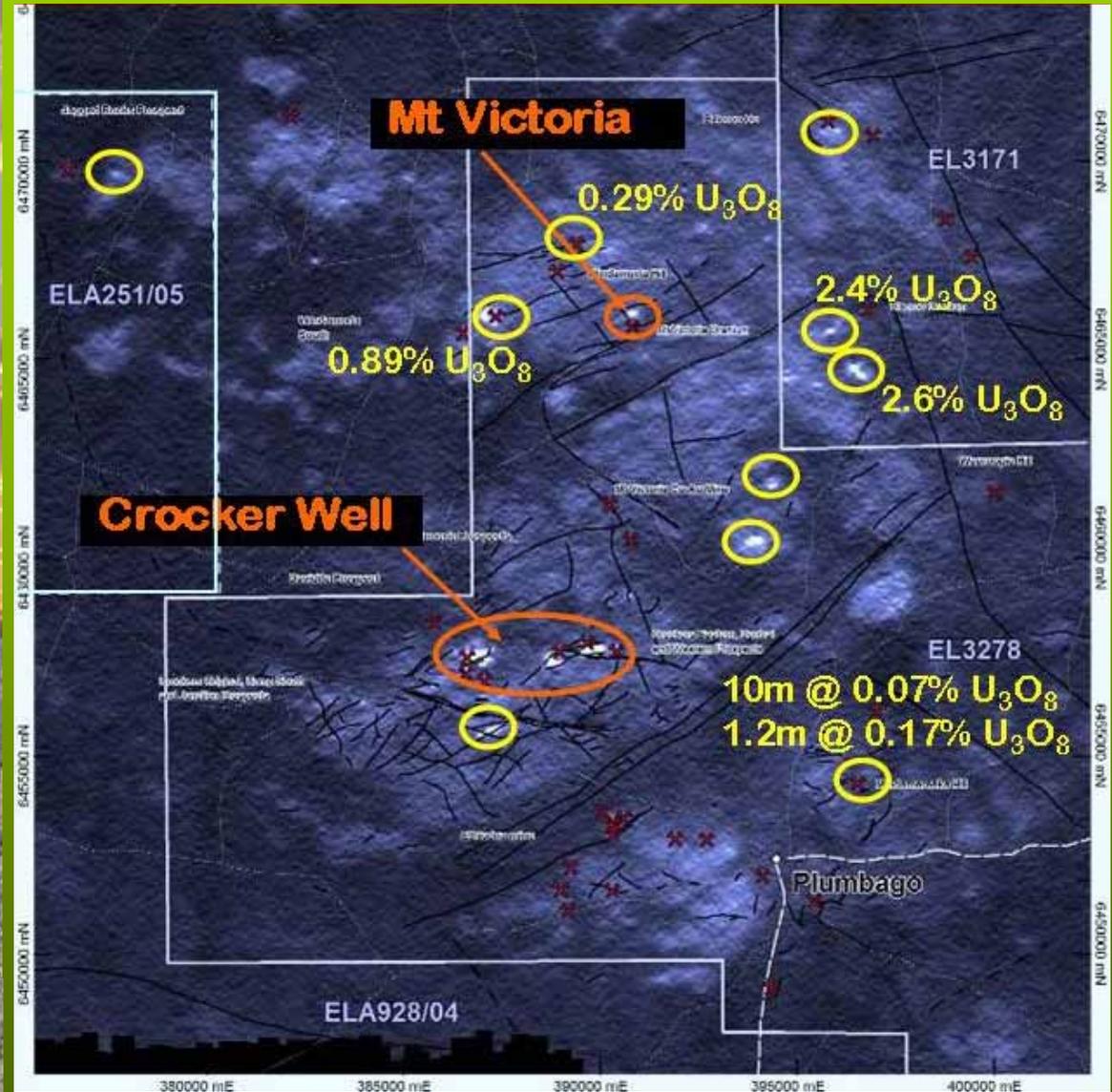
An Advanced Uranium Project covering 3,778sq kms under 4 granted exploration licences and 1 exploration licence application



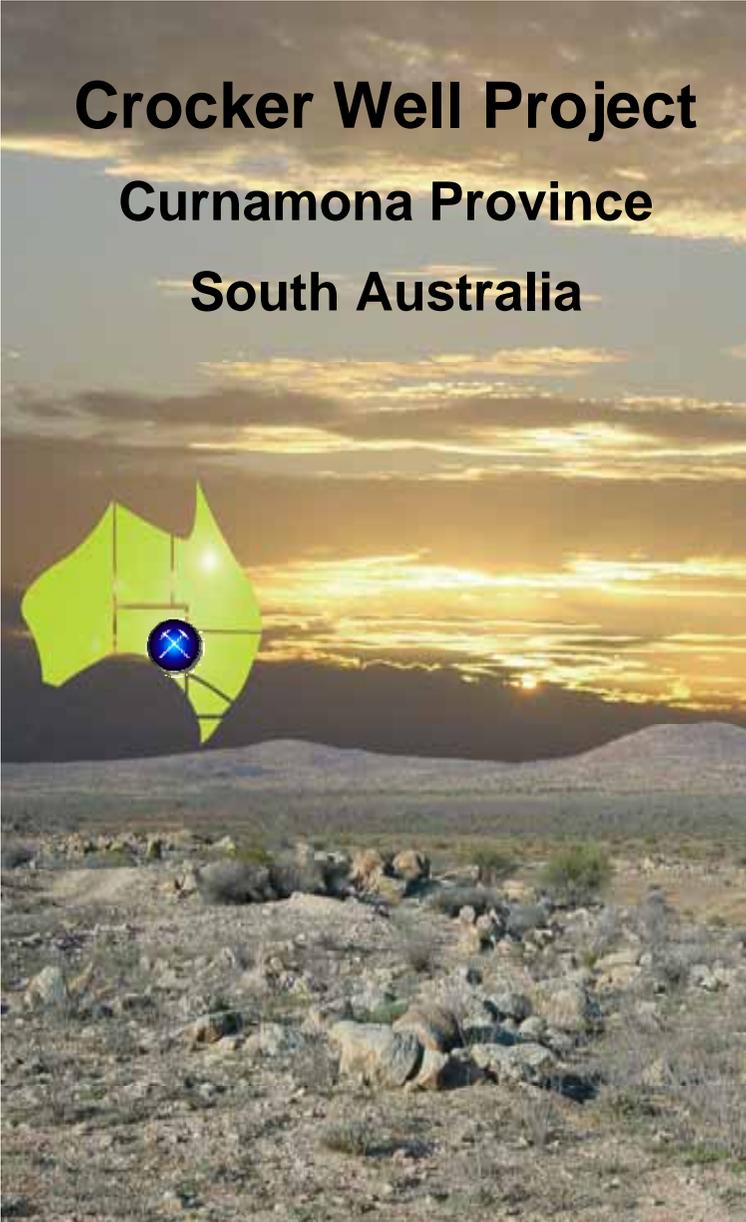
# Crocker Well Project

## Curnamona Province

### South Australia



Ten Prospects identified in the vicinity of Crocker Well and Mt Victoria. High grade surface samples ( $> 2.0\% U_3O_8$ ) from newly discovered Becaroo and Anomaly A Prospects



**Crocker Well Project**  
**Curnamona Province**  
**South Australia**

- **Inferred JORC Compliant Resource of 19,800,000 lbs of  $U_3O_8$  using a cut-off grade of 250ppm. (14,850,000 lbs using a cut-off grade of 300ppm)**
- **Scoping study completed for the development of a 5.7Mt/annum mine producing 585t/annum  $U_3O_8$  based on the currently defined resource**
- **At surface and amenable to opencut mining. Estimated mining costs are A\$2.50/tonne (A\$11.05/lb)**

**JORC compliant resource of 19,800,000 lbs of  $U_3O_8$  with a current inground value of A\$2.1 billion. Potential to be in production within 3 years with an annual cash flow of A\$175 million**

**Crocker Well Project**  
**Curnamona Province**  
**South Australia**



- Estimated processing costs are A\$12.93/tonne (A\$18.47/lb  $U_3O_8$ )
- At the current  $U_3O_8$  price of A\$108.50/lb and an estimated mining and processing cost of A\$29.52/lb the currently defined resource has the potential to generate a cash flow of A\$100 million per year based on producing 585t/annum (A\$175 million per year based on producing 1,000t/annum)
- Capital costs to establish the processing plant, mining contractor, waste disposal, water supply and rehabilitation estimated at A\$160 million

**JORC compliant resource of 19,800,000 lbs of  $U_3O_8$  with a current inground value of A\$2.1 billion. Potential to be in production within 3 years with an annual cash flow of A\$175 million**

# Peppin Minerals Limited

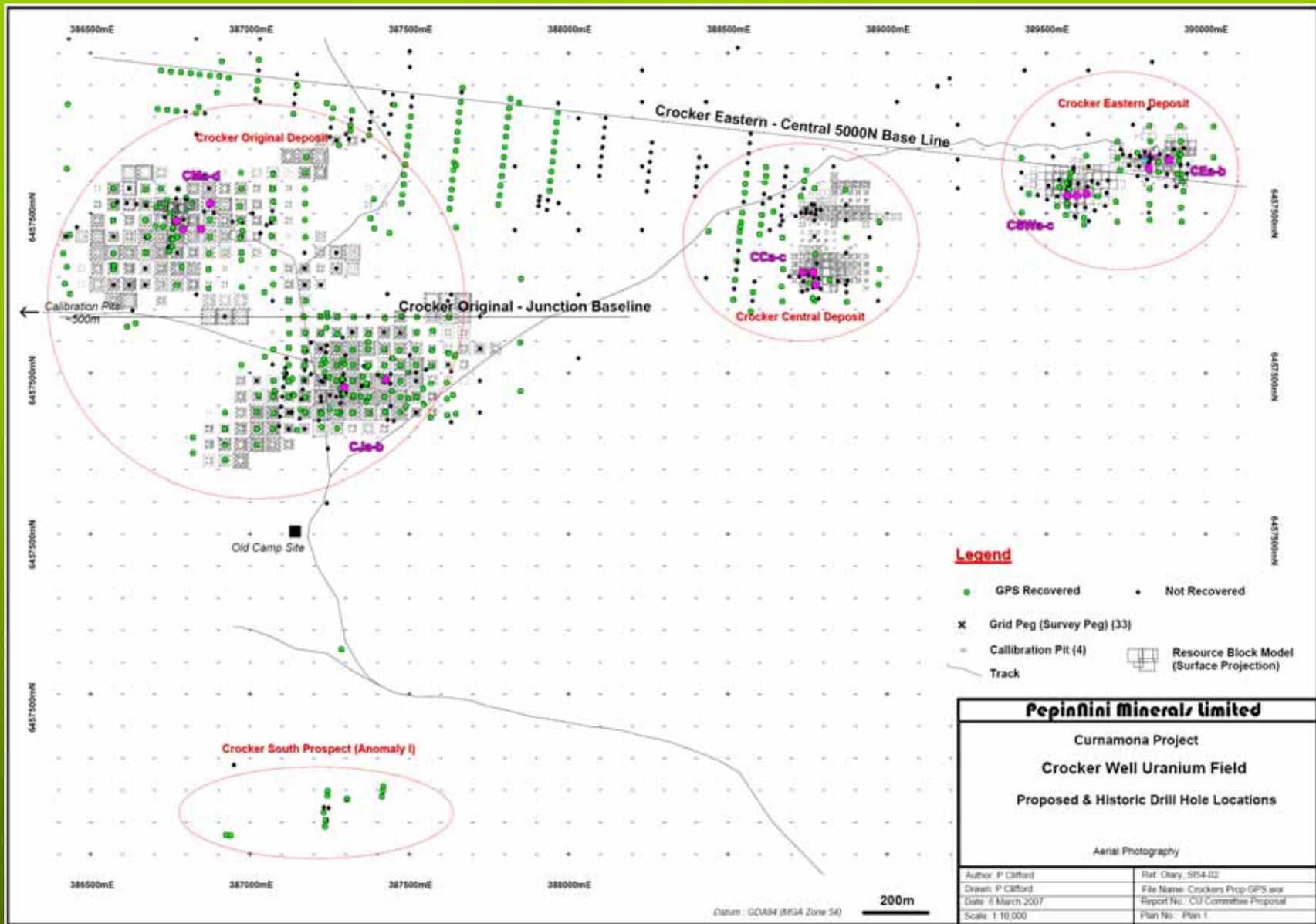


Strategic alliance with  
Sinosteel Corporation to  
jointly develop the  
Uranium Project

# 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



**Crocker Well GPS Grid – approximately 900 historic boreholes, 9 shafts**

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Geophysical calibration pits reinstated



**Historic cores have been well preserved at PIRSA core library**



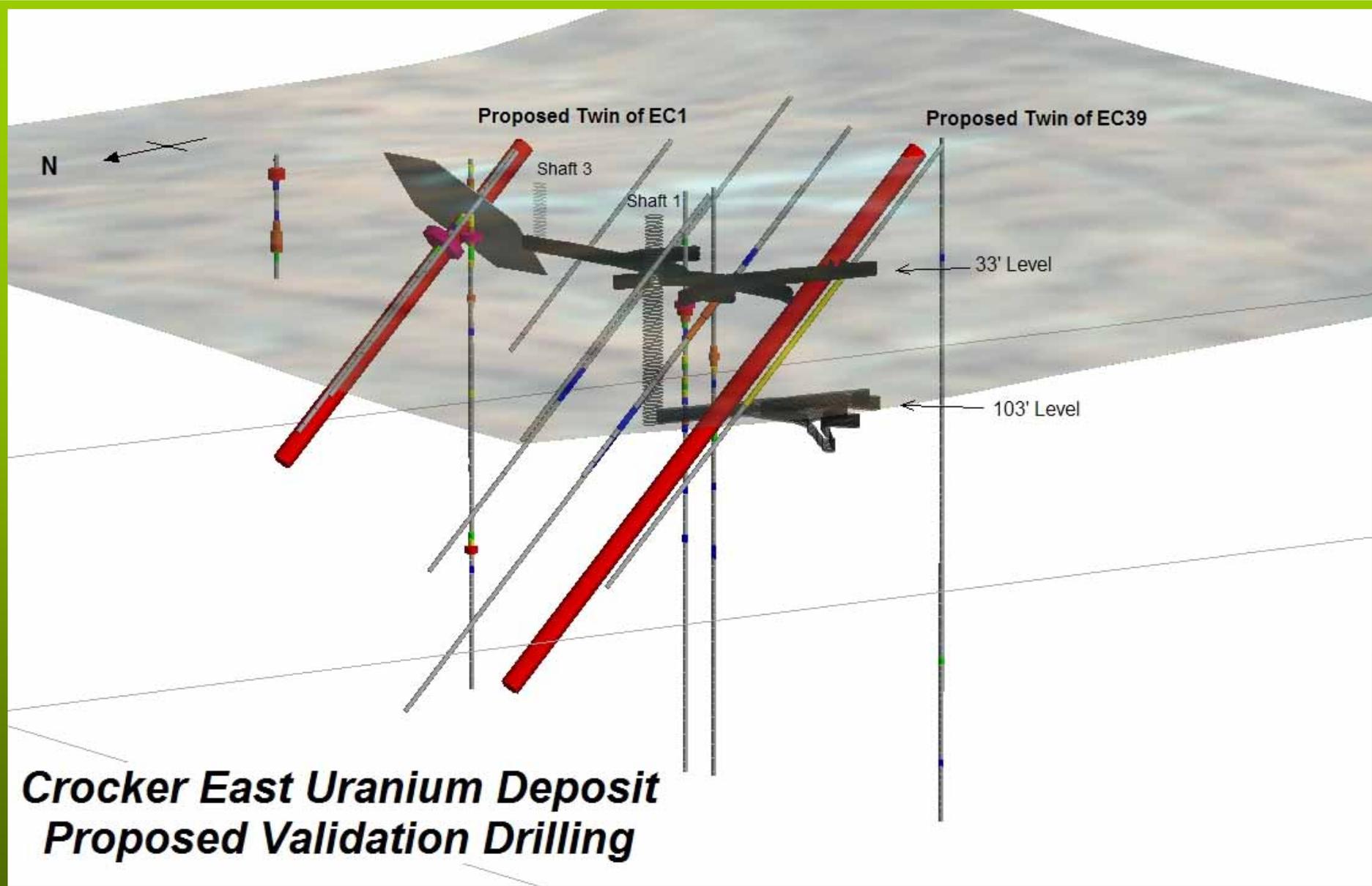
**Historic cores have been well preserved at PIRSA core library**



Historic cores have been well preserved at PIRSA core library

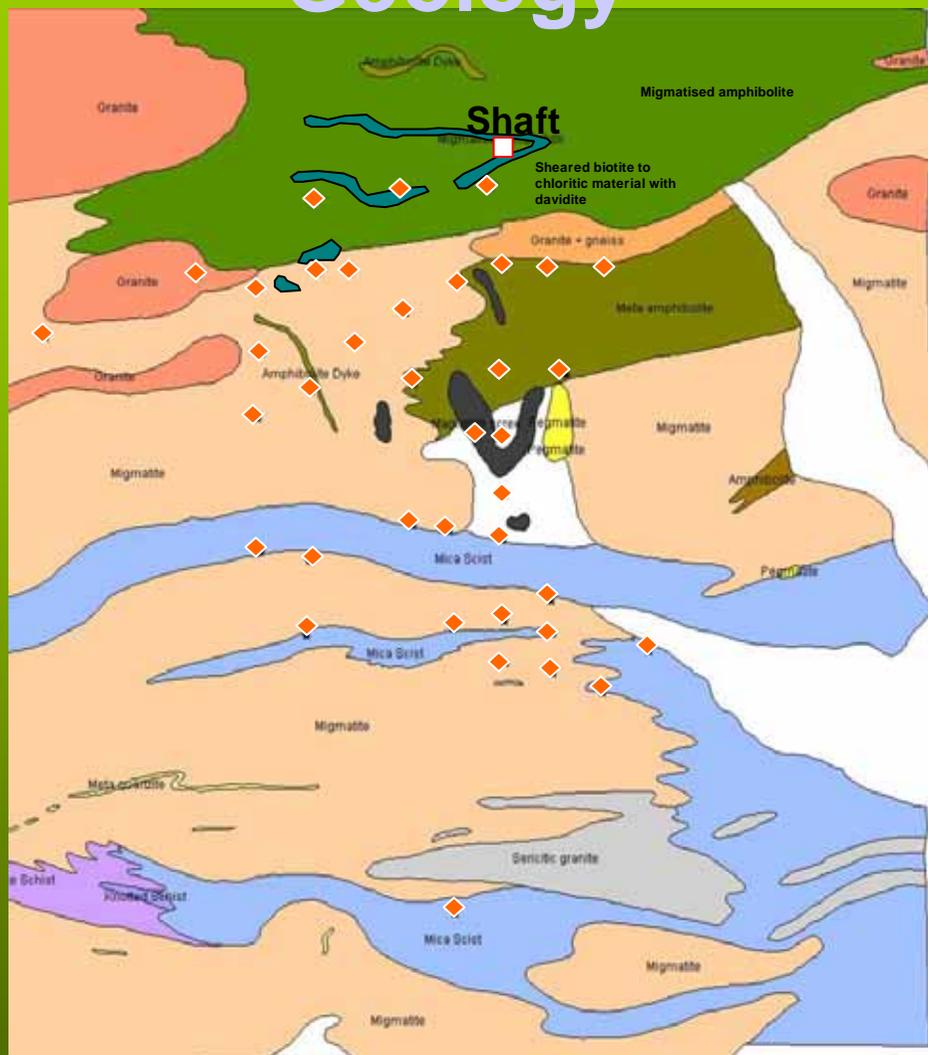


**Mullock heaps beside old shafts could provide bulk sample for metallurgical testing**

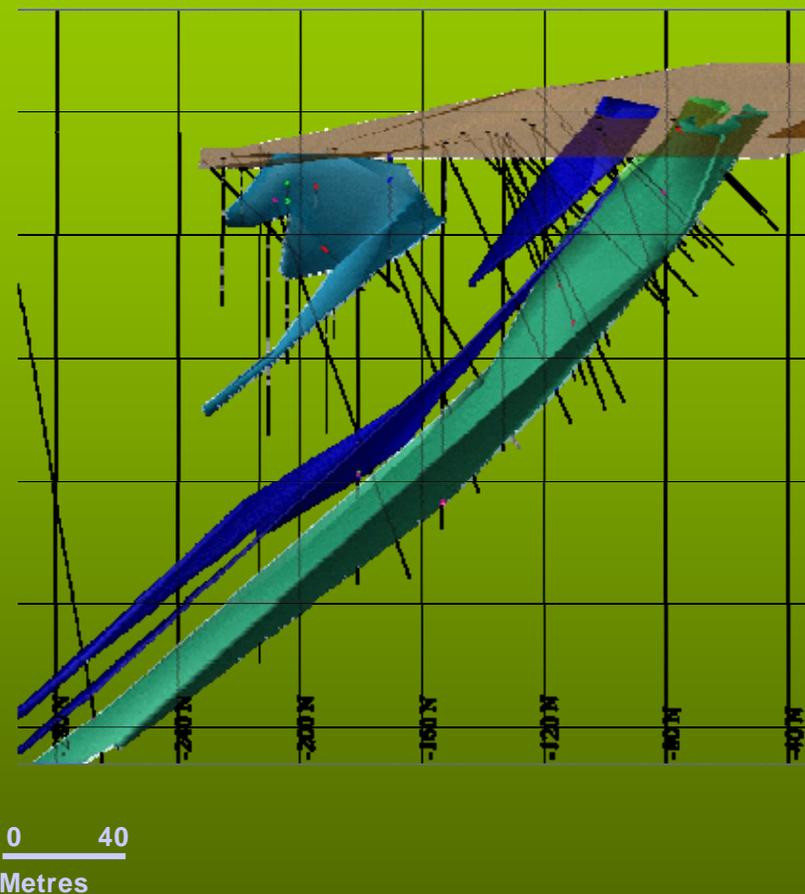


**Resource validation drilling is in preparation**

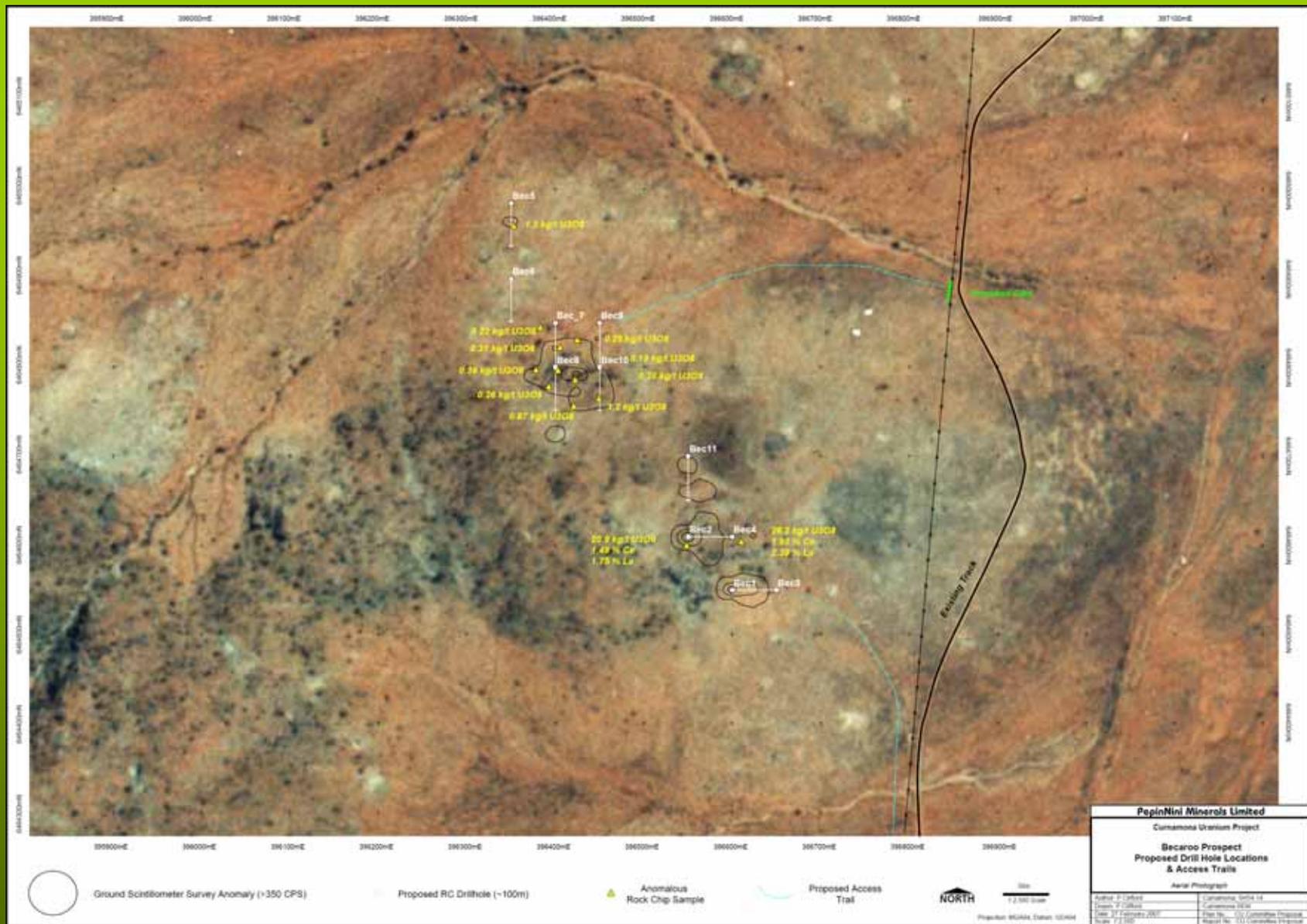
# Geology



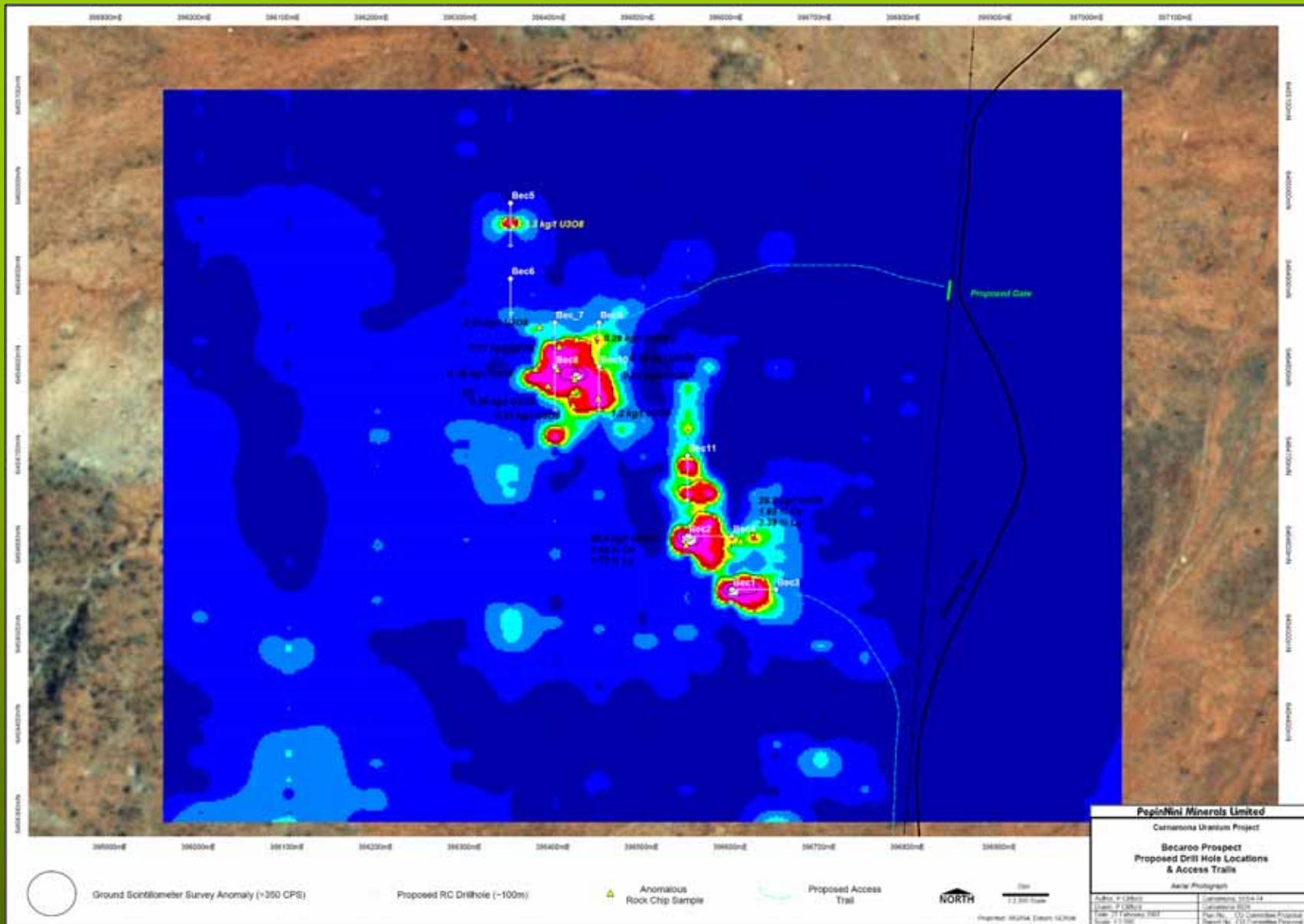
# Mt Victoria Deposit



Drilling program is also designed to validate Mt Victoria Resource



Drilling program will investigate potential additional Resources



Drilling program will investigate potential additional Resources



# Summary

## *Uranium Project – South Australia*

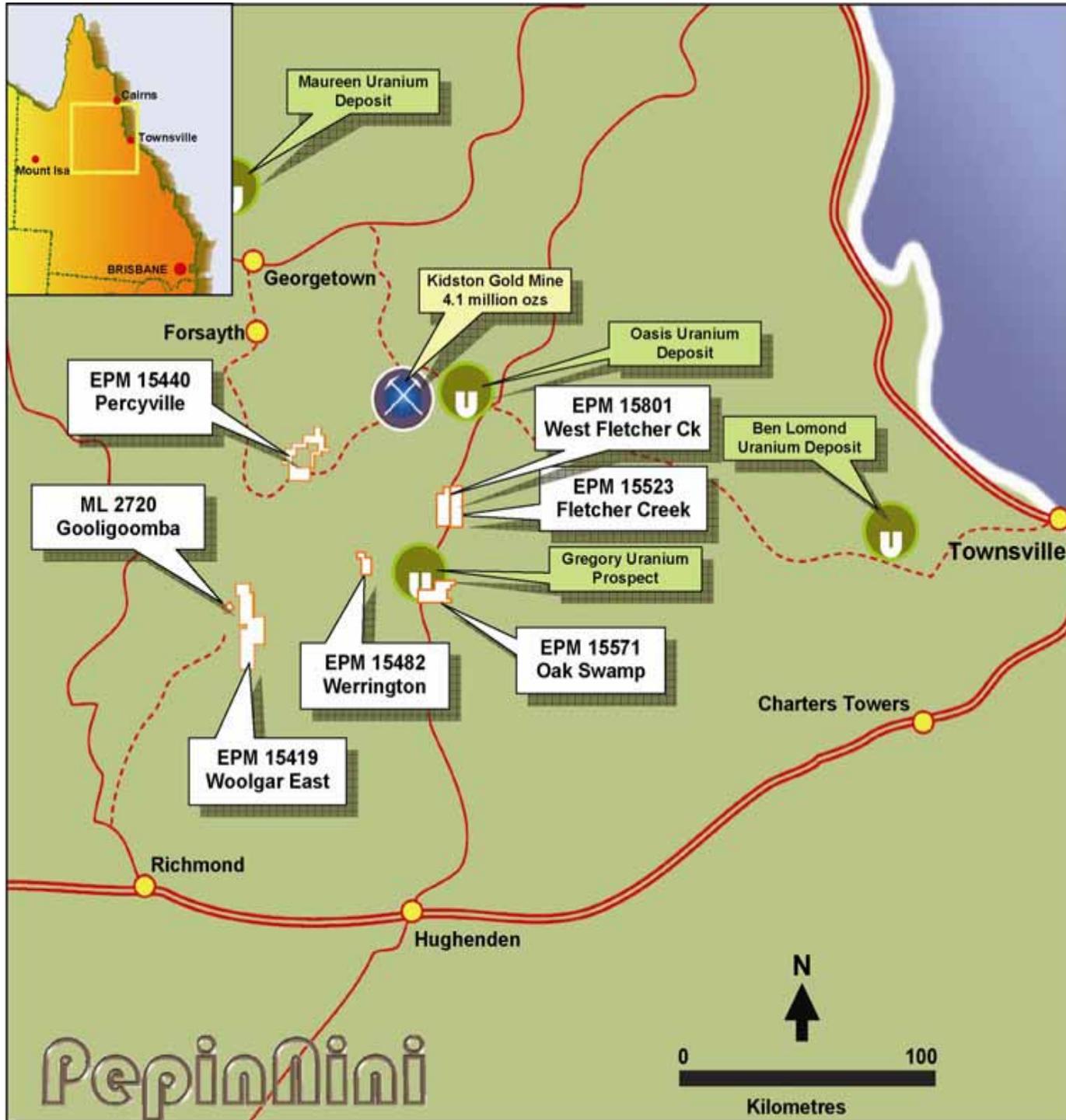
- An advanced exploration project with a defined resource of  $U_3O_8$  ready to develop
- 19.8 million lbs of  $U_3O_8$  JORC compliant resource at Crocker Well and Mt Victoria
- 26 additional known uranium prospects to be investigated. 10 surface outcrops ready to drill
- Very high grade surface samples (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



# Summary

## *Uranium Project – South Australia*

- Has the potential to generate a cash flow of A\$100 million per year based on producing 585t/annum (A\$175 million per year based on producing 1,000t/annum)
- Capital costs to establish the processing plant, mining contractor, waste disposal, water supply and rehabilitation estimated at A\$160 million



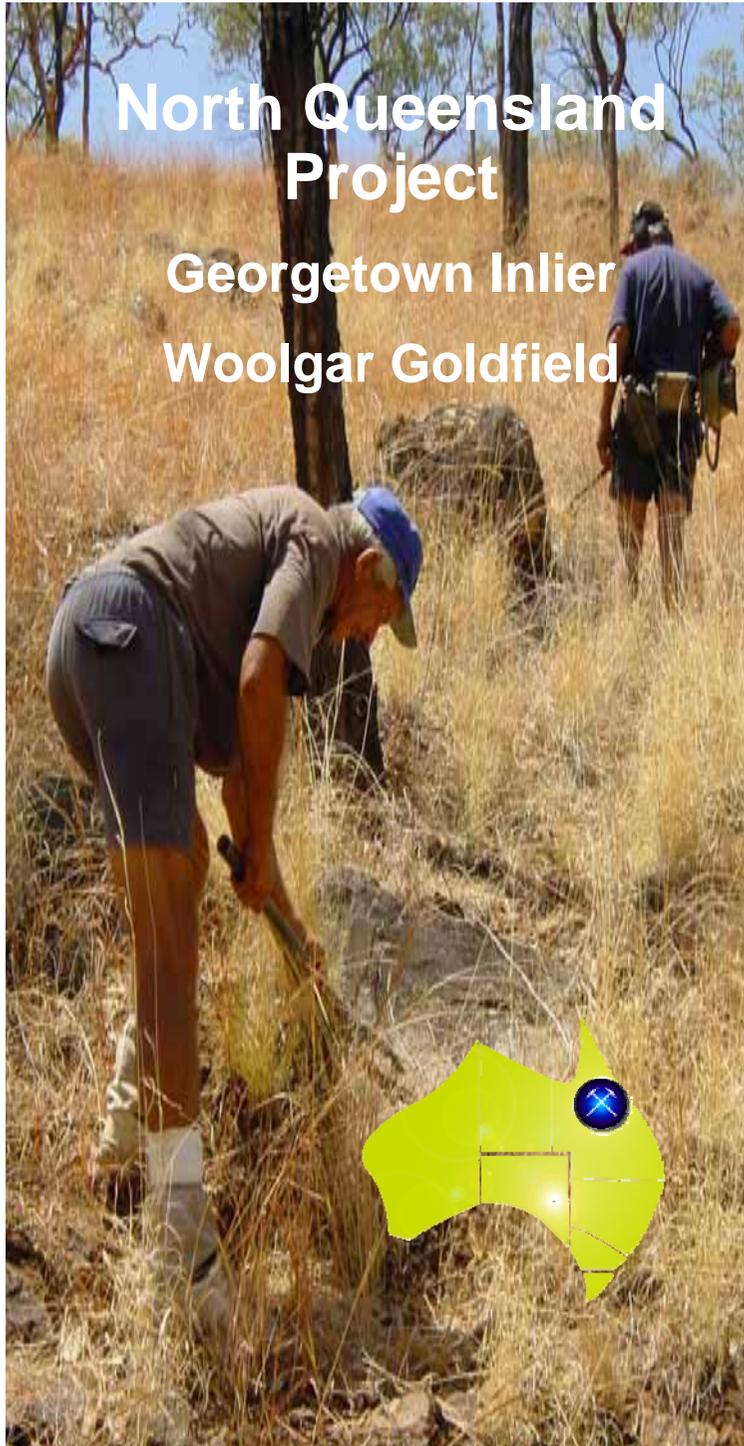
**High Grade  
Gold  
&  
Uranium**

**7 Tenements  
900 sq.kms**

# North Queensland Project

Georgetown Inlier

Woolgar Goldfield



- 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<sub>3</sub>O<sub>8</sub> and molybdenum credits of 0.15%
- Active exploration program planned for 2007

# PepinNini Minerals Limited

Thank You



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