



## ASX ANNOUNCEMENT

9 November 2011

### ASX Code: MDX

ABN: 28 106 866 442

### Corporate Description

Mindax's Mt Forrest Iron Project is progressing through development with a view to moving toward mining phase.

The company is carefully putting in place necessary approvals and aligning infrastructure partners including rail and port.

Coupled with its significant iron assets, Mindax is also the greenfields discoverer of a new uranium province near Mukinbudin, Western Australia.

Through technically advanced exploration and an eye for detail, Mindax has successfully built a significant portfolio of 37 mineral exploration and mining tenements covering over 4,000 square kilometres. In addition, Mindax has applications in place for water and infrastructure covering over 2,400 square kilometres in support of the Mt Forrest Iron Project development.

Mindax aims to develop strategic resources through innovative exploration. Higher yield projects will be moved to production via strategic partnerships.

### Key Projects

Mt Forrest	DSO Iron, Magnetite
Yilgarn-Avon JV	Sedimentary Uranium
Mortlock JV	Copper-Gold

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## MAIDEN URANIUM RESOURCE PROOF OF CONCEPT

- Maiden Uranium Resource for the Yilgarn-Avon Joint Venture (YAJV) of **3.2Mlbs U<sub>3</sub>O<sub>8</sub>** (Inferred).
- This initial resource demonstrates the successful validation of our exploration model, increasing prospectivity of all YAJV projects.
- This is a 'greenfields' discovery in a new uranium province where the YAJV is the dominant landholder.
- 275km of prospective channel is under the control of the YAJV. This represents **75%** of the paleochannel.
- A Conceptual Exploration Target (CET\*\*) has been devised for the Mukinbudin Project of **10-25Mlbs U<sub>3</sub>O<sub>8</sub> at a grade of 0.05 - 0.15% U<sub>3</sub>O<sub>8</sub>**.
- Mindax Limited (via Mindax Energy Pty Ltd) now **controls 75%** of the YAJV.

The directors of Mindax are pleased to announce the successful delineation of a **maiden resource** for the YAJV, reported in accordance with the JORC Code 2004. This initial resource confirms our exploration model and dramatically increases the prospectivity of the company's projects in the Wheatbelt of Western Australia. **This is a significant technical success in a previously unexplored region of the country.** As a result of Mindax's confidence in its exploration model it has a dominant landholding in this new and under explored uranium province.

In 2006 Mindax formed a joint venture with Quasar Resources Pty Ltd (an affiliate of Heathgate Resources Pty Ltd, the operator of the Beverley Uranium mine in South Australia) to explore for sedimentary uranium in the Wheatbelt of Western Australia. The Joint Venture (YAJV) was formed in response to hydro-geochemical research conducted by CRC-LEME in the Yilgarn-Avon region of WA. This research revealed areas of extremely high concentrations of dissolved uranium in particular drainages within the Wheatbelt.

The YAJV currently holds 19 exploration licenses along the dominant paleochannel. These exploration licenses cover approximately 275km of drainage which equates to almost 75% of the available paleochannel. The YAJV can now confirm that these paleochannels contain significant amounts of sandstone hosted uranium mineralisation.

Exploration has concentrated on broadly drill testing the channels (5km spaced traverses) to understand the geological and hydro geochemical environments that will lead to the critical reduction-oxidation fronts required for the precipitation of uranium. During these drilling programs significant uranium mineralisation has been intersected. The Jindarra Prospect was discovered in September 2009 with the discovery holes returning values of **1m @ 0.2% U<sub>3</sub>O<sub>8</sub> and 3m @ 0.15% U<sub>3</sub>O<sub>8</sub>**. This was the first time that substantial uranium mineralisation has been encountered in the Wheatbelt. Scout drilling during September 2010 came upon further very high grade uranium mineralisation. Intersections of **1m @ 0.63% U<sub>3</sub>O<sub>8</sub> and 1m at 0.24% U<sub>3</sub>O<sub>8</sub>** were reported from the Yandegin Prospect. These very high grades provided significant encouragement that roll-front uranium mineralisation may be present in the paleochannel.

Infill drilling has been carried at both the Yandegin and Jindarra Prospects that has allowed a maiden JORC compliant inferred resource to be calculated. Mindax requested that Optiro Pty Ltd of West Perth generate a Mineral Resource estimate for the uranium mineralisation at its Mukinbudin Project.

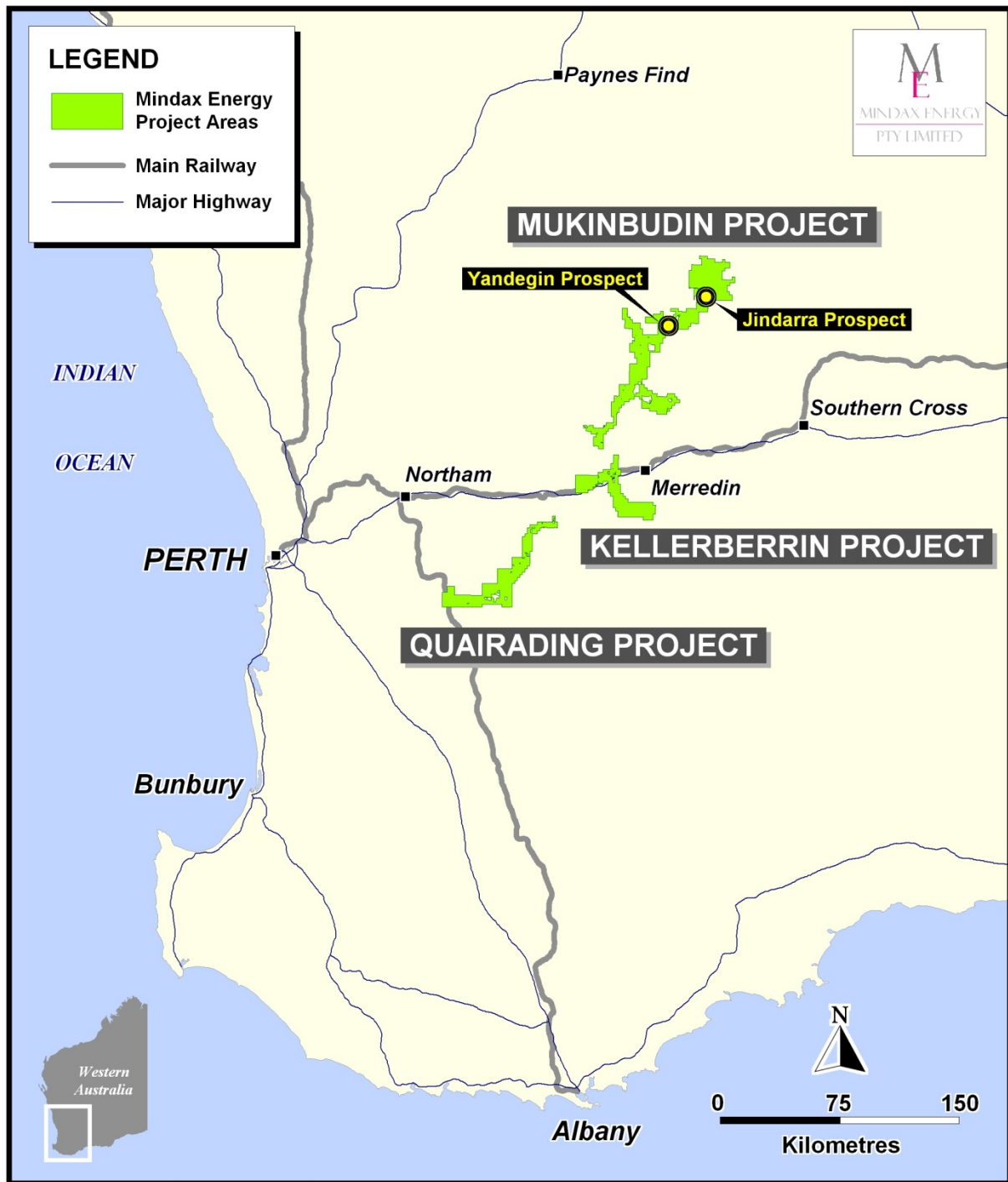
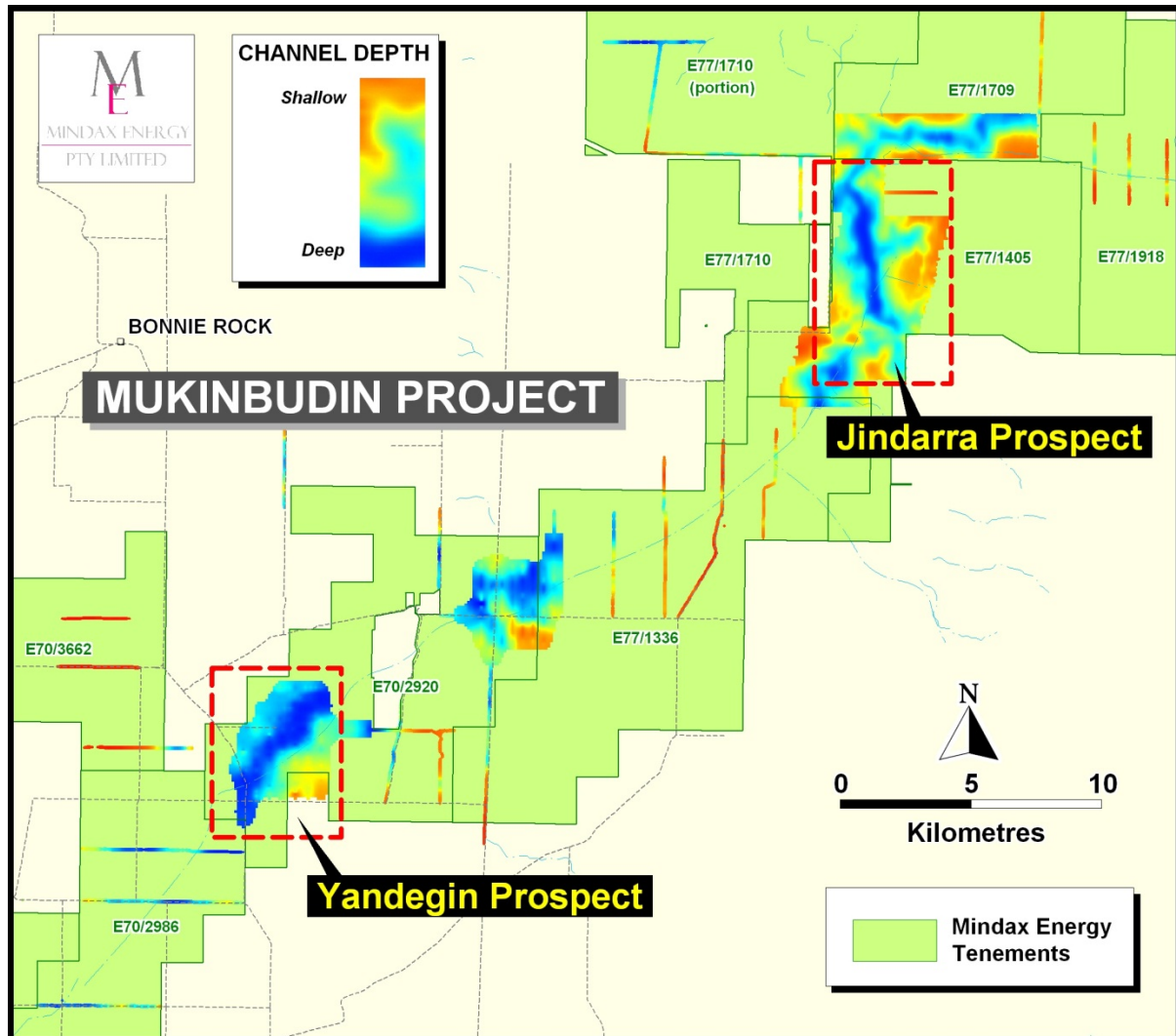


Figure 1  
Yilgarn – Avon Joint Venture, Wheatbelt Uranium Projects



**Figure 2**

Mukinbudin Project – Yandegin & Jindarra Prospects (ground gravity defining paleochannel)

### Resource Estimation

Optiro Pty Ltd has estimated the Mineral Resource for the uranium mineralisation at the Mukinbudin Project to be **3.2Mlbs at 0.02% U<sub>3</sub>O<sub>8</sub>** using a 100ppm (0.01%) U<sub>3</sub>O<sub>8</sub> cut-off. This resource is classified as Inferred and has been reported in accordance with the JORC Code 2004. The mineral estimate currently consists of 1.1Mlbs at 0.03% U<sub>3</sub>O<sub>8</sub> at the Jindarra Prospect and 2.1Mlbs at 0.02% U<sub>3</sub>O<sub>8</sub> at the Yandegin Prospect. **This is the first time a uranium resource has been estimated on a prospect in the Wheatbelt of WA and is an excellent starting point for the YAJV to begin building a significant inventory of uranium pounds.** It should be noted that both the Jindarra and Yandegin Prospects have not been closed off 'upstream'. Table 1 below shows the Mineral Resource as estimated by Optiro. Tables 2 and 3 provide a breakdown of the resources at Jindarra and Yandegin at a variety of cut-off grades.

**Table 1**

Resource Tabulation by Prospect at 100ppm U<sub>3</sub>O<sub>8</sub> cut-off  
*Note: Numbers may not add up due to rounding (Optiro)*

Prospect	Category	Tonnes [Mt]	Metal [t]	Grade [%]	Grade [ppm]	U <sub>3</sub> O <sub>8</sub> [Mlbs]
Jindarra	Inferred	1.86	500	0.03	273	1.12
Yandegin	Inferred	4.36	950	0.02	221	2.12
<b>Total</b>	<b>Inferred</b>	<b>6.22</b>	<b>1,450</b>	<b>0.02</b>	<b>237</b>	<b>3.25</b>

**Table 2**

Jindarra Resource Tabulation at a variety of cut-off grades  
*Note: Numbers may not add up due to rounding (Optiro)*

U <sub>3</sub> O <sub>8</sub> cut-off [ppm]	Tonnes [Mt]	Metal [t]	Grade [%]	Grade [ppm]	U <sub>3</sub> O <sub>8</sub> [Mlbs]
100	1.86	500	0.03	273	1.12
200	0.77	350	0.05	454	0.77
300	0.31	250	0.08	765	0.52

**Table 3**

Yandegin Resource Tabulation at a variety of cut-off grades  
*Note: Numbers may not add up due to rounding (Optiro)*

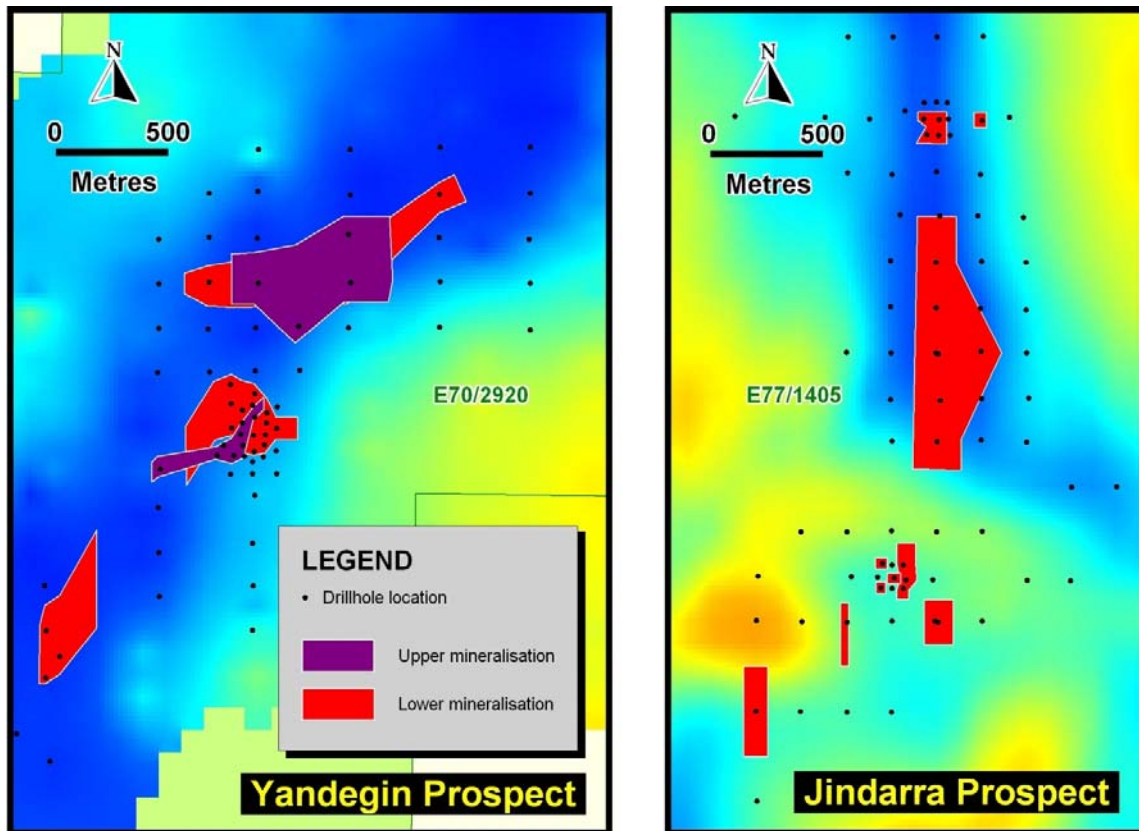
U <sub>3</sub> O <sub>8</sub> cut-off [ppm]	Tonnes [Mt]	Metal [t]	Grade [%]	Grade [ppm]	U <sub>3</sub> O <sub>8</sub> [Mlbs]
100	4.36	950	0.02	221	2.12
200	1.88	600	0.03	321	1.33
300	0.96	400	0.04	402	0.85

It should be noted that the high grade intercepts of 1m @ 0.07% U<sub>3</sub>O<sub>8</sub>, 2m @ 0.05% U<sub>3</sub>O<sub>8</sub> and 6m @ 0.04% U<sub>3</sub>O<sub>8</sub> (including 1m @ 0.09% U<sub>3</sub>O<sub>8</sub>) reported in May 2011, 1,500m to the north of Jindarra are not included in the Jindarra resource as no infill drilling has yet been completed.

**Competent Person Statement:**

Dr Katrin Kärner is a member of the Australasian Institute of Mining and Metallurgy (MAusIMM) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity to which she is undertaking 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". Dr Katrin Kärner is a full-time employee of Optiro Pty Ltd, and consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.





**Figure 3**

Yandegin and Jindarra Resource Outlines

**Conceptual Exploration Target (CET)**

The amount of drilling now completed within the Mukinbudin Project and the successful identification of two mineralised prospects has allowed a Conceptual Exploration Target (CET\*\*) to be devised for the Mukinbudin Project. This conceptual target has been set as;

**10 to 25 million pounds U<sub>3</sub>O<sub>8</sub> at a grade of 0.05% - 0.15% U<sub>3</sub>O<sub>8</sub>.**

This exploration target has been set to accurately define the realistic potential that the project has to host mineralisation and the economic parameters (pounds & grade) required for a successful mining project. Not enough is currently known about the Kellerberrin or Quairading Projects to add their potential to this CET. Sandstone hosted uranium mineralisation is the deposit style being targeted.

**\*\*Conceptual Exploration Target (CET):**

The nature of the exploration target means that the potential quantity and grade is conceptual in nature, that there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

Numerous other sandstone hosted uranium deposits have been defined in Australia and sandstone hosted uranium accounts for 18% of current world supply and is increasing. Figure 4 shows the location of several Sandstone hosted uranium deposits in Australia. The diagram shown in Figure 5 depicts selected Australian Sandstone hosted uranium deposits on a Deposit Grade v Deposit Size chart. This chart highlights the importance of grade.

While the current resources have been calculated as tabular bodies the high grade intercepts and distribution of mineralisation would suggest that roll-front style mineralisation is present in the paleochannel and is likely to be defined during detailed infill drilling. **These 'roll-fronts' have the ability to significantly improve the deposit grade and will be actively targeted to realise the CET in terms of both pounds and grade.**

It is important to note that all of the YAJV projects are completely greenfields projects and have not been developed off historic uranium exploration activities (i.e. pre 1980's drilling) as have all of the projects shown in Figures 4 and 5. Broad spaced scout drilling (3 - >5km spaced traverses) along the paleochannel through the Mukinbudin Project consistently shows anomalous uranium. It is therefore likely that there is scope for significant upside to the projects as further exploration is completed and a better understanding of the geology and mineralisation are developed.

Early geological analysis suggests that it is likely that the mineralisation so far encountered in the paleochannel will be suitable for In Situ Recovery (ISR) mining. YAJV partner Quasar Resources Pty Ltd is an affiliate of Heathgate Resources Pty Ltd, the operator of the Beverley Uranium mine in South Australia. Uranium is extracted at the Beverley mine utilising the ISR method of which Heathgate are a world leader in the technology. The method of extraction of the uranium mineralisation has huge benefits to the environment and local communities over traditional open pit mining. Particular benefits of ISR include very minimal surface disturbance (negligible dust and re-contouring of the surface). ISR also has the benefit of being able to return the land to cropping and livestock activities at the completion of mining and rehabilitation works in possibly a matter of a few years.

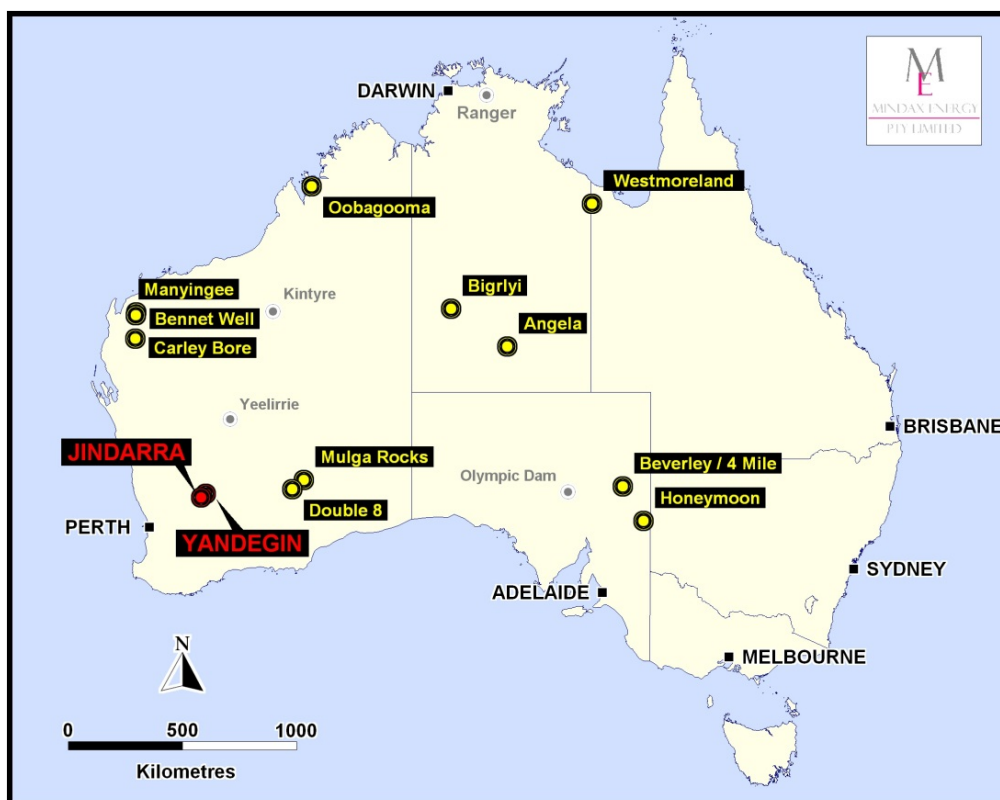


Figure 4  
Australian Sandstone hosted Uranium Deposits

### **The Yilgarn – Avon Joint Venture (YAJV)**

Mindax Limited has increased its control of the YAJV to 75%. Quasar Resources Pty Ltd currently retains a 25% interest in the JV and provides technical assistance as required. It is Quasar's intention at this time to maintain its 25% equity in the JV.

The board is in discussions with a number of parties as to how it may progress these uranium projects in a timely fashion that will deliver maximum benefit to its shareholders. Further drilling is scheduled to take place early in the New Year once cropping activities have been completed throughout the region. It should also be noted that the company continues to receive good support for its conduct in the Wheatbelt from the local community.

Yours sincerely,



**Gregory J Bromley**  
**Managing Director**

The information in this report that relates to Exploration Results and the Conceptual Exploration Target (CET) is based on information compiled by Mr Gregory John Bromley who is a member of the Australasian Institute of Mining and Metallurgy, with more than 5 years experience in the field of activity being reported on.

Mr Greg Bromley is a full-time employee of the Company and has sufficient experience which is relevant to the style of mineralisation and type of deposit 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 Exploration Results, Mineral Resources and Ore Reserves". Mr Bromley consents to the inclusion in the report of the matters based on his information in the form and on text in which it appears.