

# JINDALEE

Resources Limited  
ABN 52 064 121 133

## QUARTERLY REPORT TO SHAREHOLDERS

for the three months  
ended 31 March 2009.

### ASX Code - JRL

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This report and further information are  
available on Jindalee's website at:

[www.jindalee.net](http://www.jindalee.net)



## HIGHLIGHTS

- \* **Energy Metals** (JRL 40%) announced further high grade intercepts from **Bigirlyi** (NT) including:

**5m @ 0.38% U<sub>3</sub>O<sub>8</sub> 0.09% V<sub>2</sub>O<sub>5</sub>** from 154m

**9m @ 0.27% U<sub>3</sub>O<sub>8</sub> 0.56% V<sub>2</sub>O<sub>5</sub>** from 243m

with a revised resource estimate due May.

- \* Energy Metals noted encouraging results from 100% owned projects in NT and WA including shallow intercepts at Anketell eg:

**10m @ 343ppm U<sub>3</sub>O<sub>8</sub>** from 0.5m

**6m @ 438ppm U<sub>3</sub>O<sub>8</sub>** from 0.5m

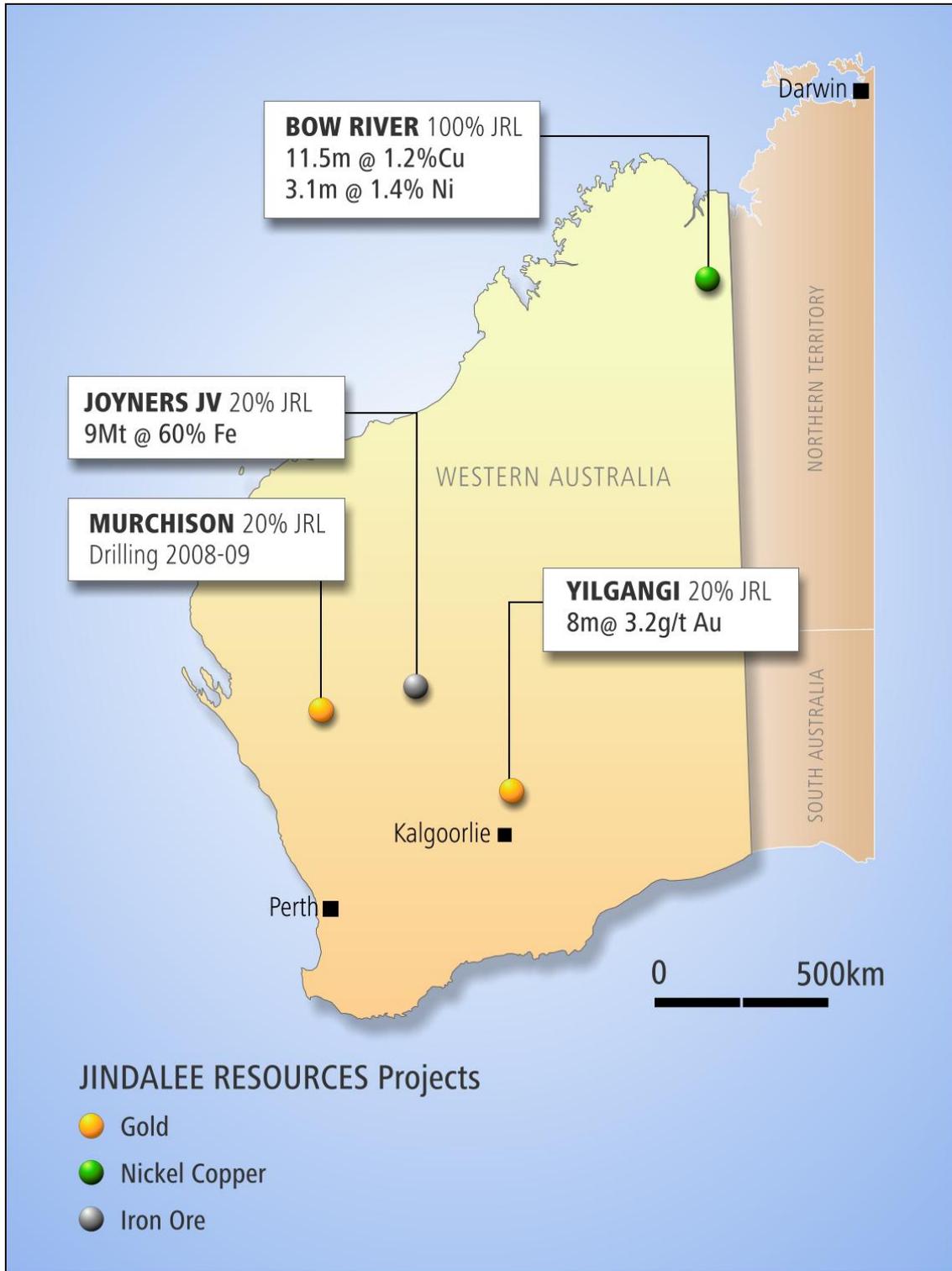
- \* Anomalous nickel results (max. 1,900ppm) from soil sampling at **Mt Korong** extended the area prospective for laterite mineralisation.

## FINANCIAL

- \* The Company has a total of 32 million shares and 3.2 million unlisted options on issue
- \* At 31 March 2009 Jindalee held cash and shares worth approximately \$25M (equivalent to **\$0.74 per share** fully diluted)

A handwritten signature in black ink that reads "Lindsay Dudfield".

Lindsay Dudfield  
Managing Director  
30 April 2009



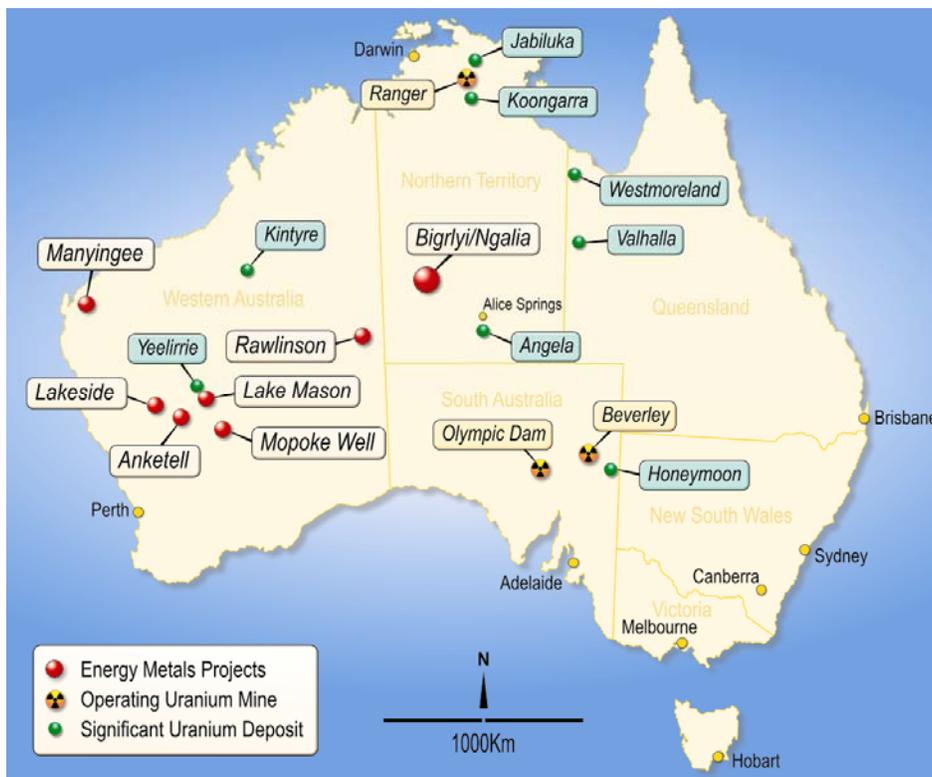
*Jindalee Resources – Lead Projects*

## URANIUM

### Energy Metals (Jindalee 39.9% of issued capital)

Jindalee holds 46.8 million Energy Metals shares, providing Jindalee shareholders with continued exposure to Energy Metals' portfolio of exciting uranium projects.

Energy Metals controls 8 projects (total area >4,000 km<sup>2</sup>) located in the Ngalia Basin in the Northern Territory and in Western Australia, with six of the projects containing uranium mineralisation discovered in the 1970's. Exploration has focussed on the **Bigryli Project** in NT (53.7% owned by Energy Metals), where resource drilling has returned relatively high grade intercepts and testwork has confirmed excellent metallurgical recoveries. Current (March 2008) resources at Bigryli are 23.4M pounds (lbs) of U<sub>3</sub>O<sub>8</sub> with significant associated V<sub>2</sub>O<sub>5</sub> (43.7M lbs).



Energy Metal's resource consultants are currently preparing a revised Bigryli resource estimate, incorporating the results from infill drilling completed last year. This resource estimate will be announced during the June quarter.

At the Anketell project, located 100km east of Mt Magnet (WA), downhole gamma probing and subsequent confirmatory geochemical assaying of last year's infill aircore drill program have established continuity of the shallow carnotite mineralisation over a 6km strike length. Significant intercepts announced include:

AAC 120	10m @ 343 ppm U <sub>3</sub> O <sub>8</sub> from 0.5m
AAC 116	6m @ 438 ppm U <sub>3</sub> O <sub>8</sub> from 0.5m
AAC 107	4m @ 248 ppm U <sub>3</sub> O <sub>8</sub> from 1.0m
AAC 110	7m @ 245 ppm U <sub>3</sub> O <sub>8</sub> from 1.5m

## Uran (Jindalee 4.9% of issued capital)

Jindalee holds approximately 2.5 million Uran Limited shares, representing almost 5% of issued capital. Uran is predominantly a uranium company, focused on advanced projects in the United States and Eastern Europe. The company also controls the Finley Basin tungsten project in the United States.

During the March quarter, Uran further strengthened their large (1,700 hectare) joint venture ground position in the highly prospective Grants Ridge project in the state of New Mexico. The project area includes nine known uranium deposits with historic production or resources. Exploration of the highest priority targets will commence as soon as all necessary statutory permits are in place.

## GOLD

### Yilgangi (Jindalee 20 % project-carried)

The Yilgangi project is located in the Eastern Goldfields, approximately 120 km northeast of Kalgoorlie. Newcrest Operations Limited (a subsidiary of Newcrest Mining Limited) farmed into Yilgangi in March 2004 and to date has spent \$3.9M on exploration. Newcrest holds an 80% interest in the project with Jindalee's 20% participatory interest loan-carried to a Decision to Mine.

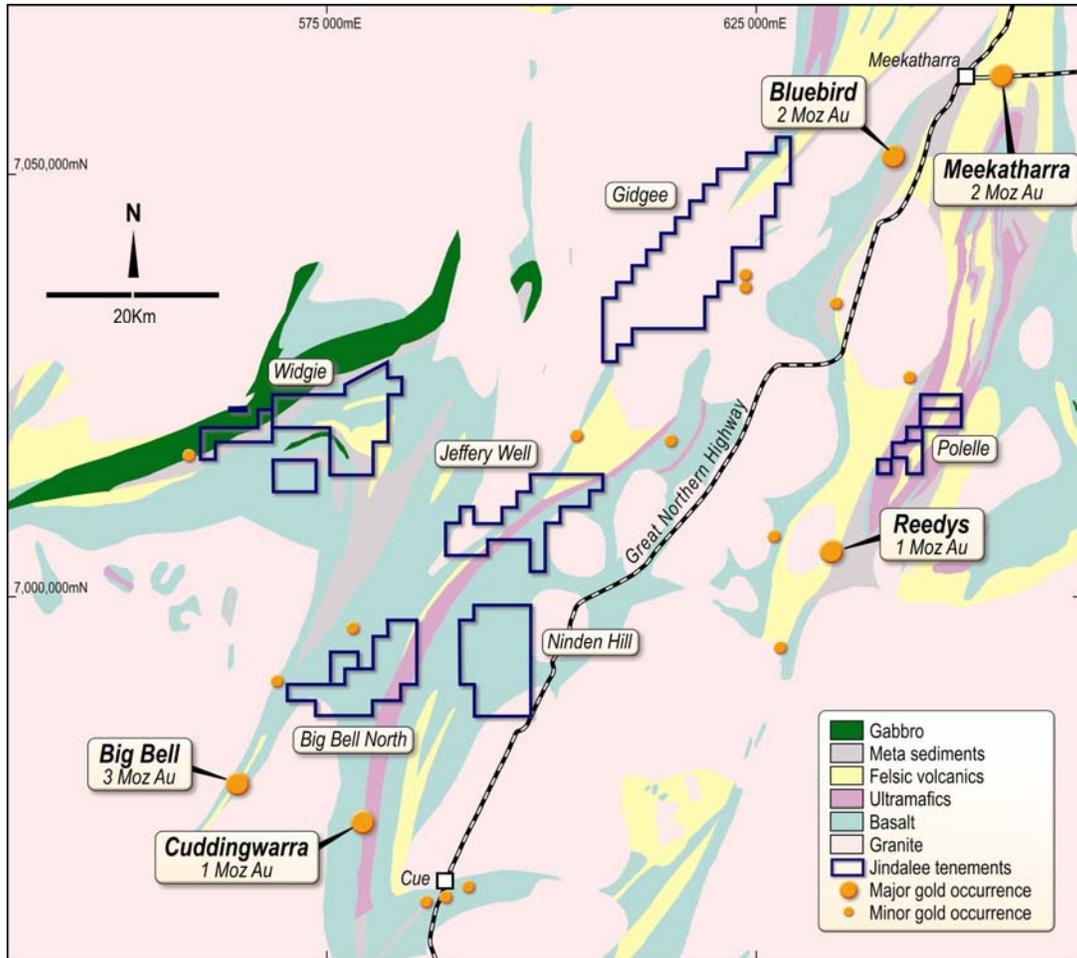
Activities during the quarter were largely confined to statutory reporting and the rehabilitation of drill sites.

### Murchison (Jindalee 20% free- carried)

The Murchison Project comprises over 600 km<sup>2</sup> of prospective greenstone, mostly located between the Big Bell Mine (2.8M oz) and Paddys Flat (2M oz). The Project is a Joint Venture with Alchemy Resources with Jindalee's 20% interest free carried to completion of a Bankable Feasibility Study. Jindalee also holds 10 million Alchemy shares, representing approximately 23.5% of Alchemy's issued capital and providing Jindalee's shareholders with exposure to Alchemy's expanded portfolio of projects.

During the quarter, Alchemy completed a 6,100m reconnaissance aircore drill program, testing target areas within the Big Bell North, Wydgee and Gidgee project areas. Although only low order gold assays were returned, the drilling was successful in defining several large zones of co-incident arsenic and antimony anomalism. Elevated levels of these elements are commonly found in association with gold mineralisation and the observed anomalism is therefore considered to represent a possible vector to mineralisation.

Alternative heritage agreements have been executed with the Wajarri Yamatji native title claimant group and a standard Heritage Agreement has been executed with the Yugunga Nya. These agreements will facilitate the grant of both E20/536 (Ninden Hill) and E20/507 (Jeffery Well) and also the Polelle mining leases (M51/859-862).



Murchison Project – tenement locations and regional geology

**Cardinia JV (Jindalee 11% free-carried)**

Jindalee holds an 11% interest in a group of tenements at Cardinia, located 30 kilometres east of Leonora. The joint venture project forms part of Navigator Resources’ extensive Leonora project holdings. Jindalee’s interest in the Cardinia joint venture ground is free-carried through to completion of a Bankable Feasibility Study.

There were no developments reported for the Cardinia JV tenements during the quarter.

**Anchor (Jindalee 3.9% of issued capital)**

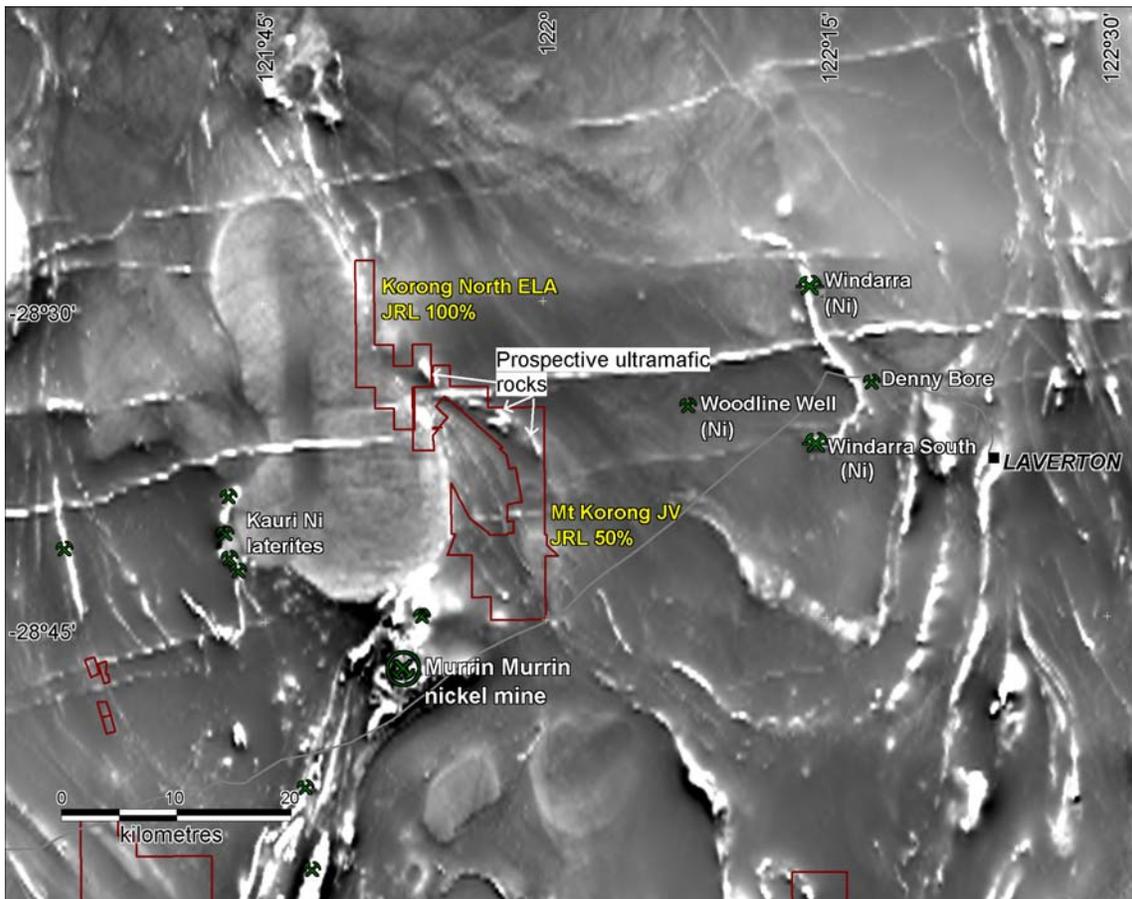
Anchor Resources Limited is exploring a portfolio of projects located in Eastern Australia that are prospective for gold, antimony, copper, uranium and base metals. Jindalee is Anchor’s fifth largest shareholder with 1.2 million shares, acquired through the sale of its Birdwood project in northern NSW, prior to Anchor listing on the ASX.

During the quarter Anchor further advanced the approvals process to allow for drill testing of their Bielsdown antimony project in the New England district of NSW.

## **BASE METALS**

### **Mt Korong Joint Venture (Jindalee 50% and Manager)**

The Mt Korong project is located in the North Eastern Goldfields between the townships of Leonora and Laverton and in close proximity to Minara Resources' Murrin Murrin lateritic nickel operation. The project is an equal joint venture between Jindalee and Golden State Resources, with the project being managed by Jindalee.



***Mt Korong project location on regional greyscale aeromagnetic image.***

A review of historical exploration in the project area highlighted the potential for the discovery of sulphide or lateritic nickel mineralisation, associated with an ultramafic unit in the northeast of the project tenement. Reconnaissance aircore drilling, completed by a previous explorer during the 1990's, reportedly returned strongly anomalous nickel values within the laterite profile, including best results of 10m at 0.86% Ni from 6m depth and 7m at 0.85% Ni from 12m.

A soil sampling program, covering a large proportion of the targeted ultramafic stratigraphy was completed in late 2008. The assay results from these samples outlined two areas where highly anomalous nickel values, up to a maximum 1900ppm, together with co-incident anomalous cobalt assays (maximum 130ppm) could indicate extensions to the laterite mineralisation. The generally subdued copper assays have downgraded the sulphide potential of the area.

## **Bow River**

**(Jindalee 100%)**

This project is located in the East Kimberley region, 80 km south of Kununurra and 60 km northeast along strike from the Savannah nickel mine. Previous drilling at Bow River intersected massive sulphides with a number of significant copper and nickel intersections, including 3.12m @ 1.45% Ni and 0.47% Cu, and 11.5m @ 1.2% Cu and 0.5% Ni. The mineralisation occurs in a differentiated mafic-ultramafic intrusion, similar to the host rock at the Savannah mine.

Due to the northern wet season, no field work was undertaken during the previous quarter.

## **Great Western Exploration** (Jindalee 4.9% of issued capital)

Great Western Exploration Limited's Mt Gibb project is located at the southern end of the Forrestania greenstone belt, along strike from Western Areas' Flying Fox and Digger Rocks nickel deposits. During 2008, Jindalee announced the sale of its remaining 20 percent interest in the Mt Gibb project tenements to Great Western for 2 million shares and 2 million unlisted options in the company.

Great Western has employed CSA Global to undertake a detailed review of the nickel potential of the Forrestania project area. It is expected that this review will assist in the definition of target areas for future drill testing.

Also during the quarter, Great Western commenced field reconnaissance at their Ullaring uranium project in the central goldfields region of WA. Preliminary ground surveys at the Sasso Grande prospect have confirmed the presence of highly anomalous background radiation levels within exposed granite. Uranium leached from these granites could potentially become concentrated into the surrounding drainage catchments. Great Western has extended their land holding in the area to over 330 km<sup>2</sup> to cover prospective catchment areas associated with Lake Ballard.

## **IRON ORE**

### **Joyners**

**(Jindalee 20% free carried)**

The Joyners project is a joint venture with Golden West Resources Limited and forms a part of Golden West's much larger Wiluna West project. Golden West has earned an 80% interest in the joint venture tenements with Jindalee maintaining a 20% equity position, free-carried through to completion of a Bankable Feasibility Study. Golden West is currently progressing the project through a pre-feasibility study.

The joint venture tenements contain inferred iron oxide resources totalling 9.2 million tonnes at 60.5% iron. Although commodity prices have softened from recent highs, Jindalee's 20% share of this resource still represents significant value without impacting on the Company's ability to finance its other projects.

There were no further developments concerning the joint venture tenements reported during the quarter.

## CORPORATE

A cost cutting strategy, including salary cuts and tenement rationalisation, implemented in the previous quarter continued during the period. This strategy is designed to ensure that available funds are being directed towards those projects with the greatest chance of success, and the identification of new opportunities that have the potential to add substantial additional value to the Company.

Note: The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Terrence Peachey, who is an employee of the Company and is a member of the Australian Institute of Geoscientists. Mr Peachey has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration 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, Minerals Resources and Ore Reserves.' Mr Peachey consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.