

**VITAL METALS – MOODANG WELL 3D INVERSION MODEL**

**Vital Metals Ltd (ASX Code: VML)** is pleased to announce that we have received the results from 3D inversion modelling carried out on Mt Alexander Resources Pty Ltd's (a wholly owned subsidiary of Vital Metals Ltd) Moodang Well prospect, which forms part of the Mt Alexander Project.

Moodang Well prospect is located in the southern part of the Mt Alexander Project area, approximately 280 km south of Karratha (Figure 1). Tungsten, in the form of scheelite mineralisation, was discovered here in the early 1970s by Australia and New Zealand Exploration Company (ANZECO).

The mineralisation is hosted within skarn and calc-silicate units in the carapace of an apparently discrete granite intrusion. ANZECO completed various exploration programmes in the 1970s including rock chip sampling, costeaning and drilling. Five separate prospects were delineated, as Zones 8, 9, 10, 11 and 12, and all, except Zone 9, were tested by shallow diamond drilling. Most drilling was within Zones 8 and 11 and the better intercepts of mineralisation are given below:

**Historical Drilling Results**

| PROSPECT | HOLE      | INTERCEPT (m) | WO <sub>3</sub> | FROM (m) | TRUE WIDTH (m) |
|----------|-----------|---------------|-----------------|----------|----------------|
| Zone 11  | DDH7      | 3.5           | 1.28            | 60       | 3.3            |
|          | DDH4      | 7.7           | 0.77            | 63.1     | 7.4            |
|          | DDH11     | 1.7           | 0.58            | 34.5     | 1.7            |
|          | DDH11     | 5             | 0.87            | 41.9     | 4.8            |
|          | DDH12     | 3.6           | 0.58            | 110      | 3.5            |
|          | DDH15     | 1.6           | 1.70            | 99.5     | 1.6            |
|          | DDH19     | 3.2           | 5.35            | 59.6     | 3.1            |
|          | including | 0.9           | 17.2            | 61.5     | 0.9            |
| Zone 8   | DDH23     | 8.9           | 0.87            | 48.6     | 6.8            |
|          | DDH25     | 1.2           | 0.76            | 48.8     | 1.1            |

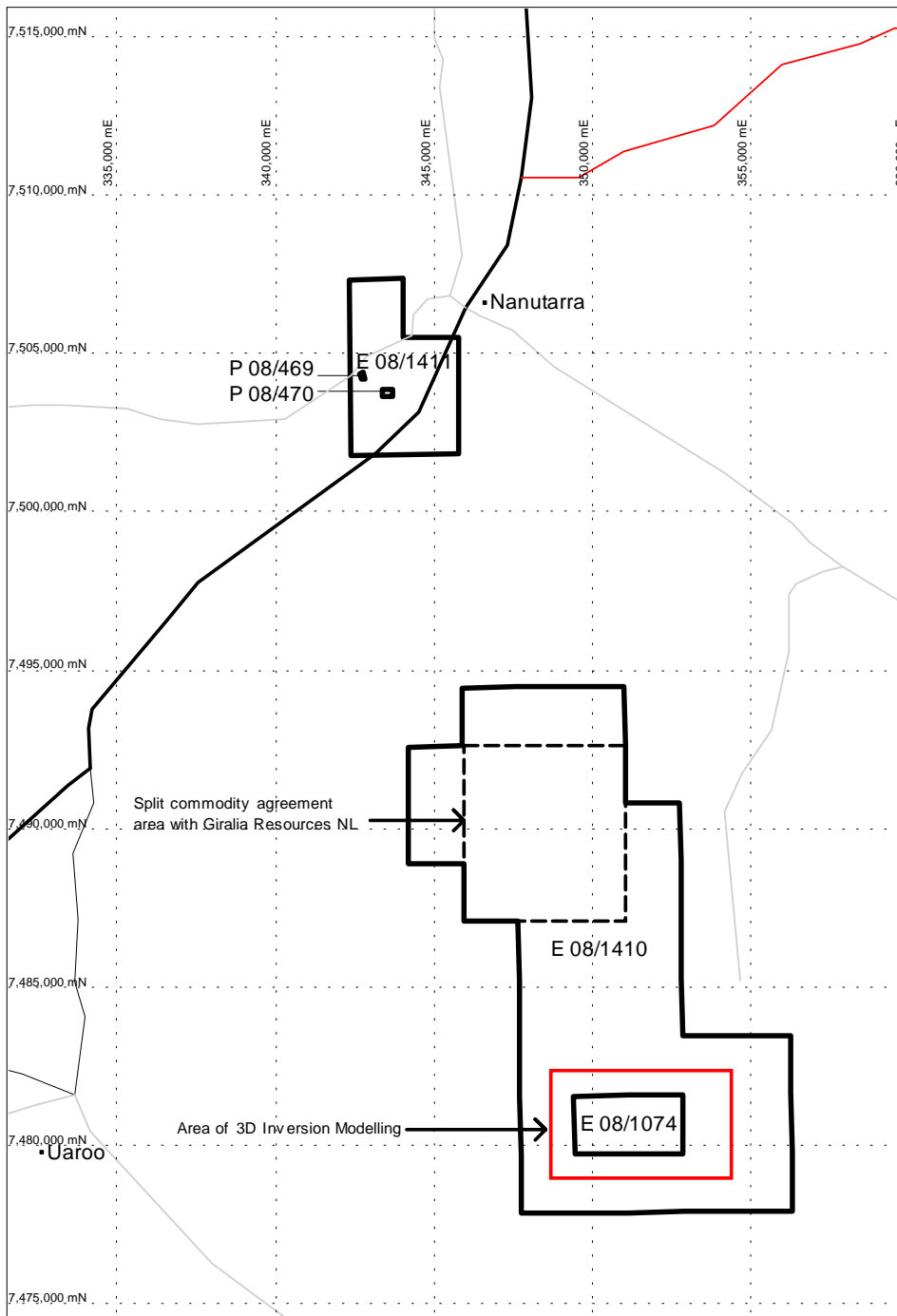
Analyses were performed by XRF methods.

Earlier this year, consultant geophysicists, Southern Geoscience Consultants were commissioned to conduct 3D inversion modelling of aeromagnetic survey data, collected in 2007, of the Moodang Well prospect.

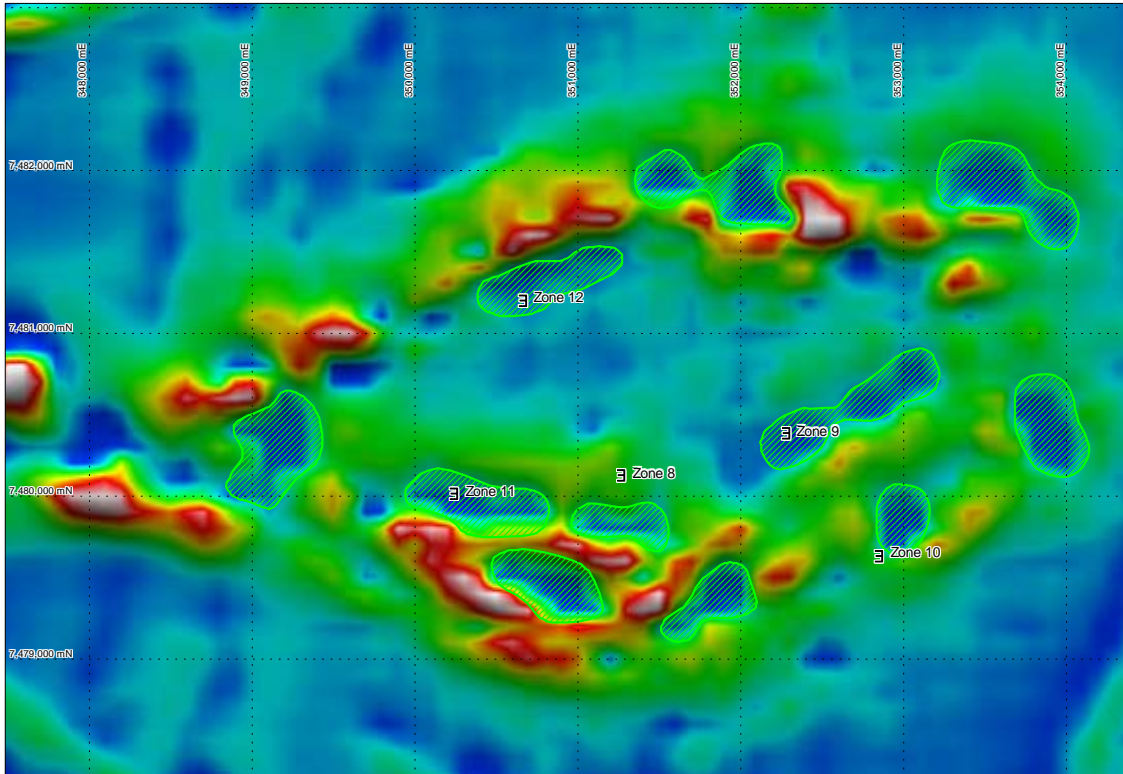
A total of eleven target areas (as shown in Figure 2) were delineated. The target areas are zones of low magnetic responses interpreted to be attributable to granite intrusions that may be related to tungsten mineralisation. They are based on the geological model of a carapace of prospective rock units overlying shallow, volatile granite bodies. Four of these target areas are coincident with prospects delineated by ANZECO's exploration in the 1970s and their drilling of two prospects (Zone 8 and Zone 11) delineated the presence of significant tungsten mineralisation.

Planning is currently well advanced to enable some of these target areas to be tested by drilling in the future.

Inversion, a technique often applied to geophysical data modelling, is the determination of parameters whose calculated response match observations within a specified tolerance. The inversion modelling for the Moodang Well airborne geophysical survey was completed at a resolution of 100 m x 100 m x 50 m in the east, north and vertical directions respectively.



**Figure 1.** Tenement plan and area of 3D inversion modelling (MGA Zone 50 GDA94).



**Figure 2.** Moodang Well magnetic inversion (-75 m depth slice), prospects and targets (green hatching). MGA Zone 50 GDA94).

- ENDS -

For further details, refer to the company's website, [www.vitalmetals.com.au](http://www.vitalmetals.com.au) or contact:

**Mr Andy Haslam**  
Managing Director

-or-

**Mr John Sobolewski**  
Company Secretary

**Vital Metals Ltd**  
Level 1, 335 Hay Street, Subiaco WA 6008  
PO Box 8243, Subiaco East WA 6008  
Telephone: +61 8 9388 7742  
Fax: +61 8 9388 0804  
Email: [vital@vitalmetals.com.au](mailto:vital@vitalmetals.com.au)  
Website: [www.vitalmetals.com.au](http://www.vitalmetals.com.au)