



## Exploration Tenement Update

18 May 2016

### TENEMENT APPLICATION UPDATE

Dart Mining NL is pleased to announce exploration license application EL006277 has been awarded priority application status and is now proceeding through statutory processes prior to granting. The exploration license covers approximately 220 km<sup>2</sup> from the township of Granite Flat (near Mitta Mitta) to Glen Wills in northeast Victoria, adjacent to other Dart Mining NL tenements – Figure 1.

ASX Code: DTM

#### Key Projects:

Unicorn Porphyry: Mo-Cu-Ag

Copper Quarry: Cu-Au

Gentle Annie: Cu

Morgan Porphyry: Mo-Ag-Au

Fairley's: Au

Mountain View: Au

#### Investment Data:

Shares on issue: 259,924,632

Unlisted options: 8,200,000

#### Substantial Shareholders:

Top 20 Holdings: 53.39%

#### Board & Management:

Managing Director: James Chirside

Non-Executive Director: Luke Robinson

Non-Executive Director: Russell Simpson

Company Secretary: Julie Edwards

Dart Mining NL

ACN 119 904 880

#### Contact Details:

4 Bryant Street, Corryong VIC 3707 Australia

James Chirside

Phone: +61 (0)419 604 842

Email: jchirside@dartmining.com.au

Visit our webpage: [www.dartmining.com.au](http://www.dartmining.com.au)

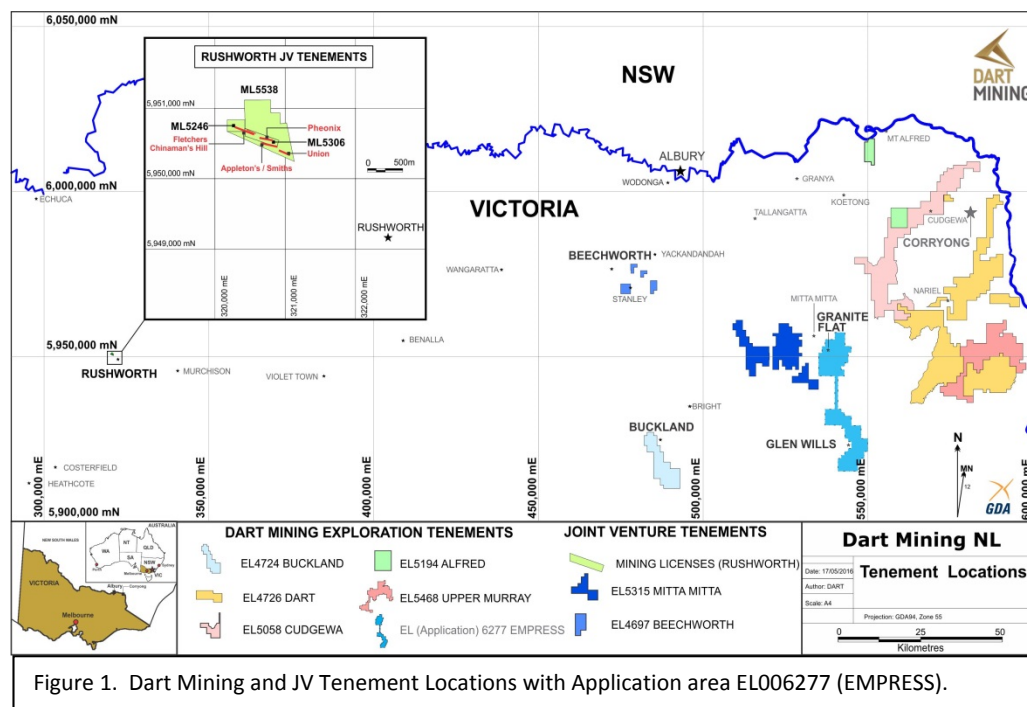


Figure 1. Dart Mining and JV Tenement Locations with Application area EL006277 (EMPRESS).

### EMPRESS EL006277 PROSPECTIVITY

Exploration Licence Application EL006277 (EMPRESS) contains two target areas, the Glen Wills Tin and Lithium bearing pegmatite dykes and the Empress (Banimboola Granodiorite) Porphyry gold / copper lodes, Granite Flat – Figures 1 & 2.

#### Glen Wills Pegmatite Dykes: Tin and Lithium Potential

A review of a recent industry paper on the tin bearing pegmatites of the Glen Wills district has highlighted the potential of these dykes to contain lithium minerals. The paper (Eagle, R., Birch, W. & McKnight, S. 2015. Phosphate Minerals in Granitic Pegmatites from the Mount Wills District, North-Eastern Victoria. Roy. Soc. Victoria, 127. pp. 55-68), places some of the Tin bearing pegmatite dykes into the LCT (Lithium, Cesium & Tantalum) class of highly evolved, late tectonic peraluminous granite pegmatites. Pegmatite dykes distal to the assumed source intrusion (Mt Wills Granite?) are reported to show the most highly evolved chemistry and Li bearing mica (lepidolite) as a component of a Tin bearing dyke.

An example of a Li bearing zoned pegmatite dyke occurs at the Blue Jacket Reef, some 2.5 km east of the old Glen Wills township (Figure 2). Rare lepidolite associated with quartz and cassiterite has been observed on the mine waste dump, Eagle et al. 2015 carried out a fusion test on a sample of the pale mauve mica (assumed to be lepidolite) with an indicative red flame result, however no quantitative analysis for Li has been undertaken or confirmed by Dart Mining at this time. The EL application area captures the more prospective distal contact position along some 17km within the Omeo Metamorphic Complex (OMC) sediments, also host to known Tin dykes of the district. Previously identified and new dykes will be targeted by mapping, geochemistry and drilling for assessment of economic Lithium potential.

### **Empress Porphyry Gold /Copper Target (Banimboola Granodiorite – Zoned Intrusive)**

The Banimboola Granodiorite (Figure 2) hosts known gold and copper mineralisation and significant previous exploration has defined additional mineralisation that persists outside the historically mined zones. A focus for Dart Mining will be to use the porphyry experience gained during exploration at the Unicorn, Morgan and North Mammoth porphyry projects (EL4726 – Figure 1) to better target the larger porphyry potential of the zoned intrusive while also investigating the potential of the gold / copper lodes. CSAMT geophysics and large regional soil / rock geochemistry as well as hydrogeochemistry have been very successful in Dart's adjacent tenements to the east and may be utilised as part of the proposed exploration.

The Banimboola Granodiorite hosts historic gold and associated copper mineralisation within near vertical fissure vein systems with significant alteration halos. These systems have been exploited at a number of small scale production centres (Empress of India, Hodders Adit ect.. – Figure 2) and targeted by previous explorers with geophysics, soil / stream sediment geochemistry and drilling, with significant success, however no JORC resource has previously been estimated in the project area.

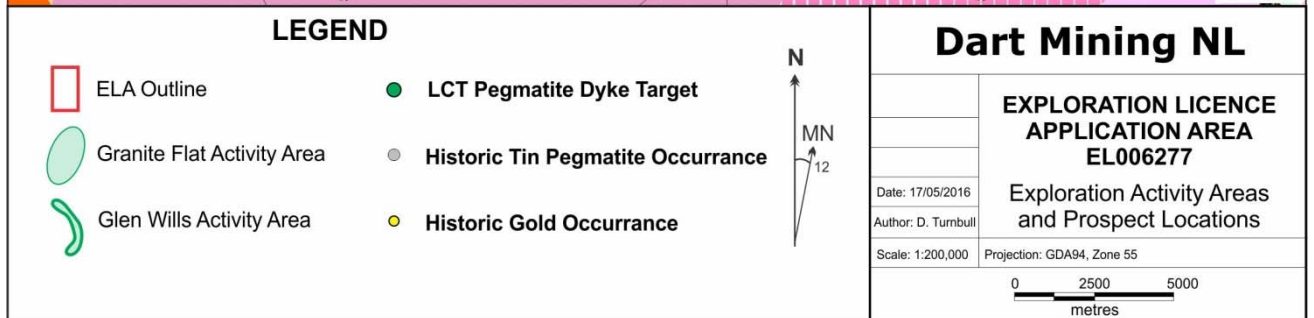
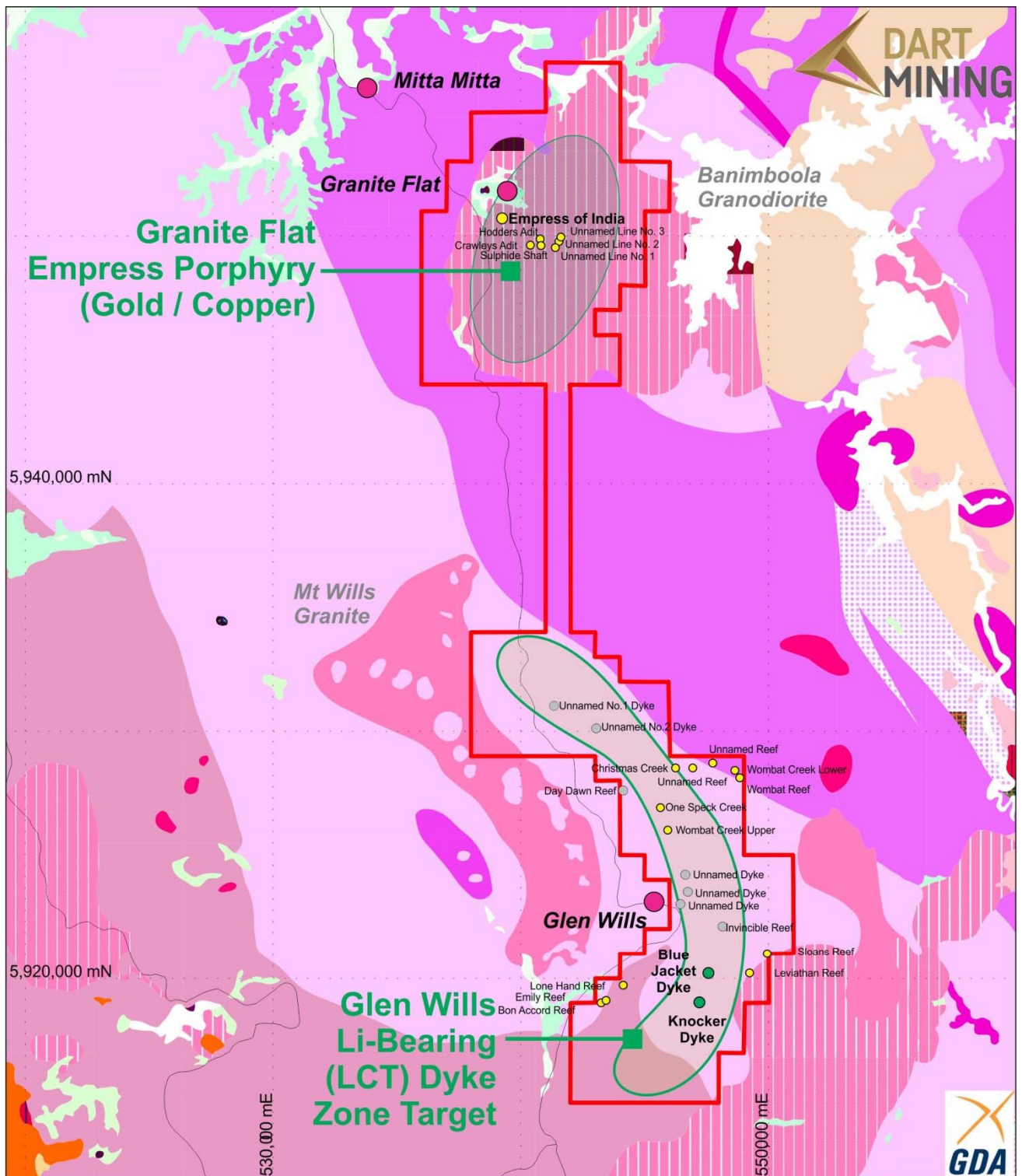


Figure 2. Dart Mining Application area EL006277 (EMPRESS) with target areas and prospect locations.