



ABN: 84 119 904 880

## EXPLORATION ACTIVITY ACCELERATES AT THE MOLBDENUM TARGETS

### HIGHLIGHTS

- The first diamond drill hole at the Morgan Prospect completed at 529m and is interpreted to have intersected a pyritic shell around a concealed porphyry.
- The second hole is underway and targets the interpreted position of the concealed porphyry.
- A major 9.6 line km 3D geophysics program is underway at the Unicorn Mo-Cu-Ag Prospect.

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### MORGAN DRILLING

#### DMMDD001

Diamond drill hole **DMMDD001** (now complete) targeted co-incident multi-metal surface geochemistry and significant anomalism revealed in the geophysics induced polarisation (IP) program over the northern end of the Morgan Porphyry prospect. The conventional IP program defined a number of significant anomalies on all three survey lines (Figure 1) which is currently interpreted to represent a concealed (pencil) porphyry below the circular northern ring of molybdenum geochemistry (Figures 1 & 3).

DMMDD001 intersected two of a planned three IP targets (the upper zone showing visible Molybdenite) that are consistent with pyritic fracture / stockwork zones developed within the outer shell of many porphyry related mineralised systems worldwide. The hole was terminated at 529m within the second IP target. This consisted of pervasive pyrite altered silicified sediments showing minor sphalerite, chalcopyrite and galena stringer veins. The hole had insufficient lift to penetrate the third IP target related to the Septum Structure at the contact of the main Quartz Porphyry to the south (Figure 2). This structure will now be intersected in drill hole DMMDD002 (Figures 1 & 3). All samples have been submitted for analysis with results expected during February.

#### DMMDD002

Drill hole **DMMDD002** (underway) is directed steeply into the interpreted position of a concealed central porphyry below the geochemically defined Northern Ringlet (Figures 1 & 3). The hole will traverse from the southern contact of the main porphyry through the northern contact structure (termed the *Septum*) and into the interpreted position of a small diameter buried porphyry. The potential for mineralisation within the inner shell of a porphyry system (if present) should be tested in this position (Figure 3). DMMDD002 is planned to a depth of approximately 700m dependent of the final hole path and geology.

29 January 2010



## **GEOPHYSICS PROGRAM COMMENCES AT UNICORN PROSPECT**

A survey of up to six three dimensional (3D) induced polarisation (IP) geophysical lines totalling some 9.6 line km is underway at the Unicorn Mo-Cu-Ag Prospect within the Dart EL4726. The system being used (MIMDAS) is one of only two systems worldwide with deep penetrating (up to 800m) 3D geophysical data capability and will be utilised to target a deep diamond drilling program. This drilling program, supported by a Round 3 Rediscover Victoria Drilling grant of \$80,000.00, is scheduled for March.

ENDS –

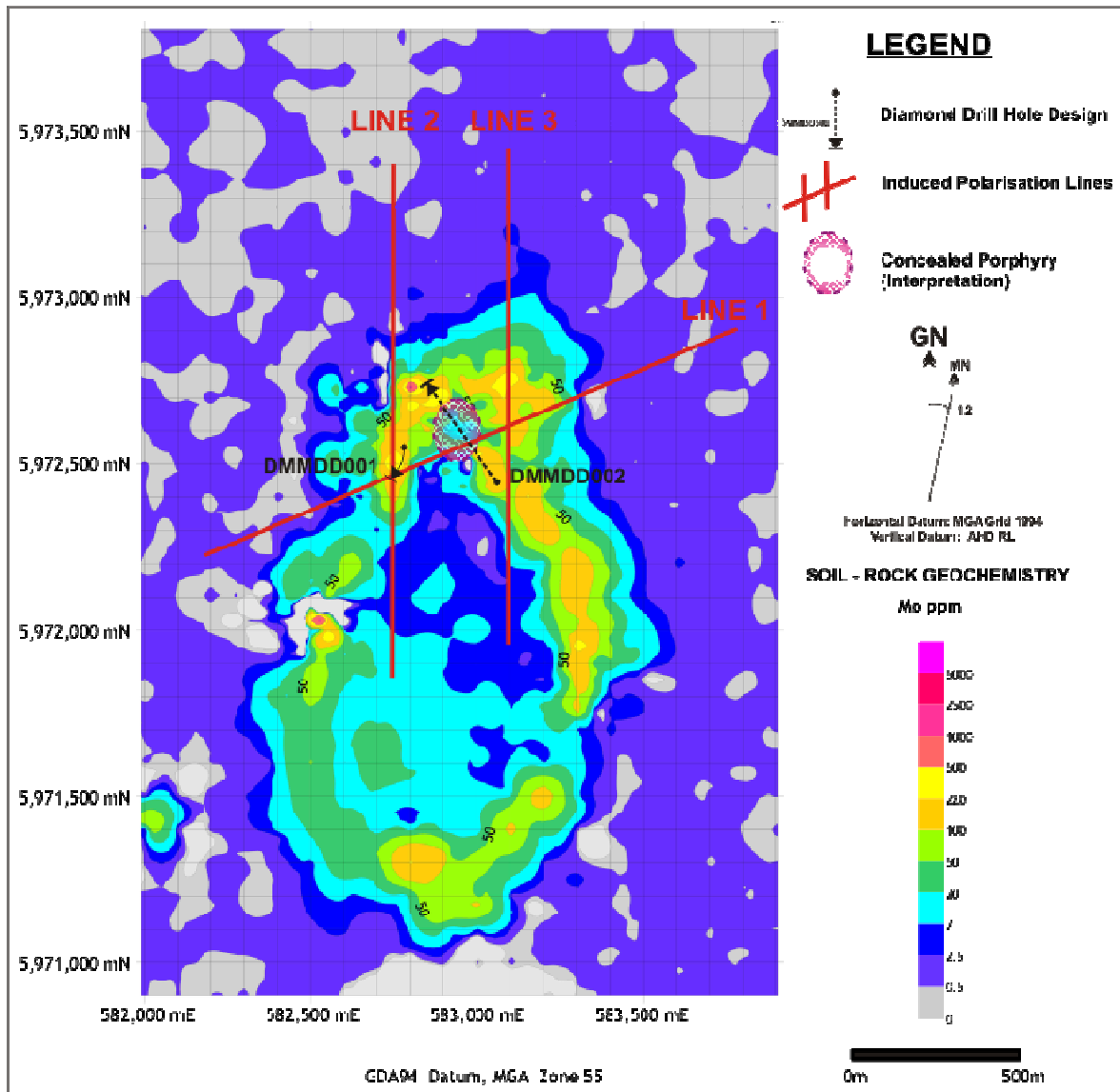
For further information visit our website at [www.dartmining.com.au](http://www.dartmining.com.au) or contact:

John Quayle, CEO

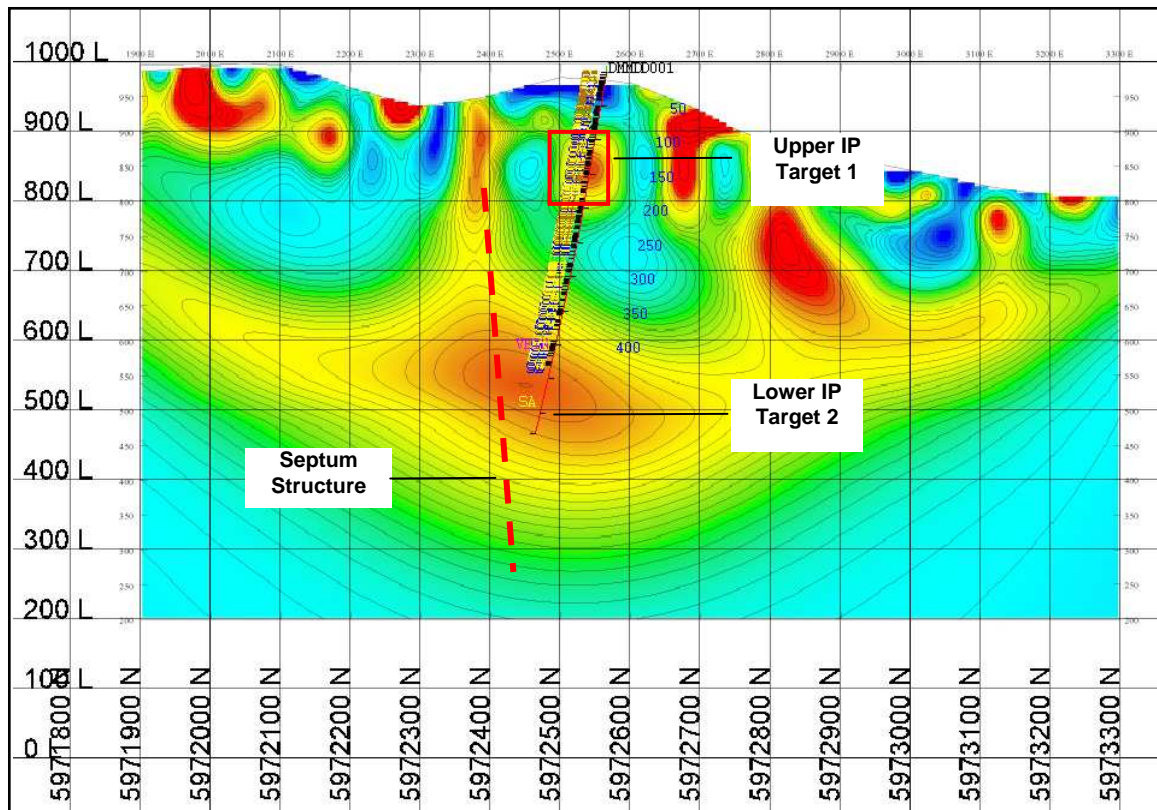
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## **COMPETENT PERSON'S STATEMENT**

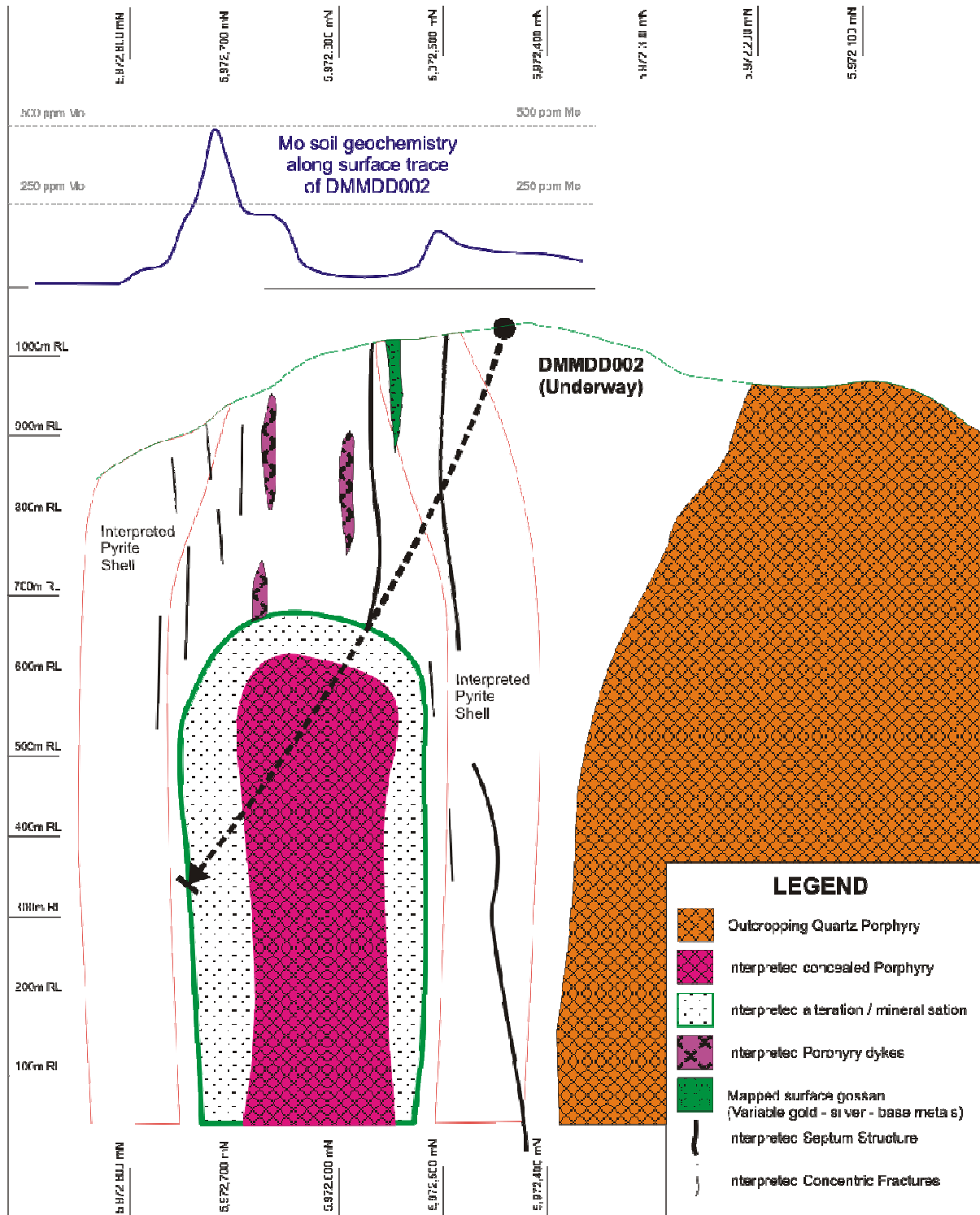
Information in this report that relates to a statement of exploration results of the Company is based on information compiled by Dean Turnbull, B. App. Sc (Geol.), AIG. Mr Turnbull is a Director of Dart Mining NL and has sufficient experience relevant to the style of mineralisation and type of deposits under consideration and to the activity undertaken. He is qualified as a competent person as defined in the 2004 Edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves" (or "JORC Code"). Mr Turnbull consents to the inclusion of this information in the form and context in which it appears in this report.



**Figure 1.** IP Lines and Drill Design on Molybdenum Soil / Rock Geochemistry Underlay.



**Figure 2.** Cross Section 582,750mE with DMMDD001 (529m total depth) on IP Chargeability Section (Line 2 – Figure 1) showing IP Targets and the Septum Structure.



**Figure 3.** Conceptual Interpretative Section along DMMDD002 (320°) diamond drill design trace. Molybdenum soil geochemistry projected above hole trace also shown.