



REDISCOVER VICTORIA DRILLING

CASE STUDY: *Dart Mining*

Diamond drilling and innovative modelling pay off for Dart Mining

High tech mineral exploration company Dart Mining has confirmed the presence of rocks known to contain gold, silver and base metal mineralisation at its North Mammoth prospect. The prospect is located in mountain country on the western slopes of north-east Victorian ranges, between Corryong and Benambra.

Using a \$59,194 *Rediscover Victoria Drilling (RVD)* grant from the Victorian Government and sophisticated computer modelling, Dart Mining's diamond drilling program intersected the concealed extension of the highly prospective geological formation known as the Mammoth Porphyry.

This was a major objective of the company's RVD drilling program.

Porphyry targets are deposits of igneous intrusive rock, formed when volcanic magma cools and solidifies, which often contain precious and base metals mineralisation of large size.



Opening up a new mineralisation region

Dart Mining Chief Executive Officer John Quayle said the results of the diamond drilling at North Mammoth in conjunction with drilling at nearby Mt Unicorn could herald a new mineralisation region for Victoria

"The State Government's RVD initiative is encouraging and supporting us in the application of cutting edge technology, to identify sites of mineralisation and potential deposits in Victoria," Mr Quayle said.

“We believe there is potential for further mineralisation to be identified and for that reason we are continuing our exploration for other mineralised Porphyry intrusions under hard rock cover in the exploration licence.”

“This would further assist the understanding of what Dart Mining considers to be an emerging mineral province in north east Victoria.”

“We are also excited at the prospect of bringing new business, jobs and other opportunities to a part of regional Victoria that has been doing it hard in recent years.”

Taking the science of prediction to new levels

Searching for concealed mineral riches deep underground, where few tell-tale surface characteristics identify the presence of ore has created a new breed of high-tech exploration companies like Dart Mining.

Dart Mining is using sophisticated 3D structural computer modelling taking into consideration a range of geological factors and characteristics, to model the complex structures found within the company’s exploration licence.

Dart Mining has exploration licences and applications covering approximately 2,400 square kilometres in the Cravensville Volcanic Arc associated with the Lachlan Fold belt in north-east Victoria.

The type of silver-gold and base metal mineralisation associated with the Cravensville Volcanic Arc has similar characteristics to Fort Knox and other major gold and base metal deposits in the Tintina belt of North America termed reduced intrusive related gold (RIRG) and precious metal porphyry systems.



Rediscover Victoria Drilling: Finding Victoria’s hidden resources, bit by bit

The Victorian Department of Primary Industries (DPI) manages the Rediscover Victoria Drilling (RVD) program, which supports innovative minerals exploration in promising Victorian greenfield sites.

RVD encourages minerals exploration companies to invest in drilling projects by providing capped grants through a series of funding rounds.

The Victorian Government’s \$2.5 million Rediscover Victoria Drilling (RVD) program encourages greater minerals exploration drilling, advances knowledge of Victorian geology and resource potential, and improves the chance of successful discovery in a wider range of valuable minerals.

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Authorised by the Victorian Government, Melbourne

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