



NAVARRE MINERALS
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Navarre Minerals (ASX: NML) is a Victoria-based explorer with four main exploration projects in central and western Victoria with potential for large gold and copper-gold-zinc deposits.

Navarre Minerals finds porphyry-style copper-gold at Eclipse prospect

Tuesday, April 16, 2013 by [Angela Kean](#)



Navarre Minerals (ASX: NML) has discovered broad zones of potential ore grade mineralisation, with assays typical of porphyry systems currently mined in Australia and overseas, in recent drilling at its Eclipse copper-gold prospect in western Victoria.

Porphyry deposits are typically large tonnage, low to medium grade, high value deposits which account for about 60% of world copper production.

Navarre has completed a trial program of 20 shallow aircore and reverse circulation drill holes, designed to test a conceptual large tonnage porphyry-style copper-gold target at Eclipse.

Highlights include:

- 7.5 metres at 0.41% copper from 30 metres, for a gold equivalent grade of 0.66 grams per tonne (g/t);
- 25.5 metres at 0.18% copper, including an interval of 4.5 metres at 0.4% copper, and 0.1g/t gold from 24 metres, for a gold equivalent grade of 0.37g/t; and

- 13.5 metres at 0.4% zinc and 0.3g/t gold from 34.5 metres, for a gold equivalent grade of 0.57g/t.

Five drill holes intersected broad sulphide-rich zones consisting of zinc-silver-gold mineralisation and associated pyrite-silica-sericite below a depleted oxide layer on the eastern margin of the porphyry.

These holes, which remained in mineralisation at drill-refusal, are believed to be characteristic of an outer (phyllitic alteration) halo of a porphyry system.

Significant shallow copper and gold mineralisation intersected in two drill holes indicates a deeper level within the overall porphyry system than exposed in the phyllic zone immediately east.

Five drill holes targeting anomalies beneath un-mineralised sandstone failed to reach target depths due to thicker sandstone cover than expected. These targets remain to be tested.

Next steps are aimed at locating a suspected copper and gold porphyry core, which will involve petrology studies, geological modelling of the alteration zones and planning for deeper drilling.

Navarre holds several exploration tenements as part of its 100% owned Delamerian Base Metals and Gold Project in western Victoria, which includes the Eclipse prospect.

These tenements contain multiple, largely untested targets in 130 kilometres of volcanics with several known occurrences of base metals and gold mineralisation.

The Eclipse prospect is one of the most advanced tenements.

Importantly, Eclipse has scale potential within an area of 2,900 metres by 700 metres interpreted from geophysics with drill testing to date revealing porphyry-style mineralisation from near surface to greater than 300 metres depth.

The volcanics show geological similarities to the Mount Read Volcanics of northwest Tasmania, which are host to the large Mt Lyell porphyry copper-gold deposit as well as a number of volcanic massive sulphide deposits such as Rosebery and Hellyer.

Navarre had a cash position of around A\$1.1 million at the end of the December quarter 2012.