



S . M . E . D . G .



SYDNEY MINERAL EXPLORATION DISCUSSION GROUP

NOTICE OF MEETING

DATE: Thursday 27th October 2005 - 5.30pm for 6pm

VENUE: 1st Floor, Rugby Club, Rugby (Crane) Place, Sydney

SPEAKER: Russell Meares

TOPIC: The Phoenix Prospect, Tooloom Gold Field

Tooloom is located in the New England Fold Belt northeast of Tenterfield, and is Malachite's flagship gold project. Gold was first discovered at Tooloom around 1857, but the Tooloom gold rush was over by 1868 when news of the discovery of gold at Gympie arrived. The field was then "forgotten" until Malachite commenced exploration at Tooloom in 1997, and since then the company has had success locating and exploring a number of gold systems, many related to a suite of previously unrecognised dioritic intrusions.

The Phoenix gold-antimony prospect is a "grass roots" discovery by Malachite using conventional stream sediment geochemistry, and subsequent programs have demonstrated potential for +1million oz Au with Sb credits. Phoenix is one of Australia's more significant new discoveries, and is a "big system" with analogies to the Alaskan-type reduced intrusion-related model.

The talk will present details of the exploration strategy that Malachite has developed at Tooloom, and will focus on the discovery and evaluation of the Phoenix gold -antimony deposit.

Russell has been with Malachite since its early days in 1997, when it was founded by Garry Lowder. He is Malachite's Exploration Manager and a Director of the company. He is an Honours graduate from University of NSW, and later completed his MSc in Exploration and Mining Geology at James Cook University in Townsville. His career has mainly focused on the exploration for, and discovery of, gold and base metals deposits in Eastern Australia and the adjoining Asia-Pacific countries, and has enjoyed working for such current and "extinct" companies as Amax, RGC, Pancontinental Mining, Delta Gold, Placer Pacific and Tri Origin Australia.

He gave his last SMEDG talk on Wau (PNG) in 1985, but has worked for SMEDG in the interim, having served 13 years on the SMEDG Committee until he reached the statutory retirement age!

Future meetings: Late Nov – Lindsay Gilligan – New directions for NSW Mines Dept.

Web page: Check the SMEDG web page for more details <http://smedg.org.au>

Organising Committee:

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