



# S . M . E . D . G .



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## SYDNEY MINERAL EXPLORATION DISCUSSION GROUP

# NOTICE OF MEETING

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**DATE:** Thursday 26<sup>th</sup> May 2005 - 5.30pm for 6pm

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

**SPEAKER:** Blair Hostetler

**TOPIC:** “Exploration in Glaciated Terrains by Systematic Mapping of Groundwater Sumps”

In glaciated terrains, lakes and rivers are groundwater sumps. Emergent groundwater, which may have descended hundreds of meters before emerging, is detected by continuous mapping of the lake/river bottom water for dissolved oxygen and conductivity. Analyses of collected groundwater samples show particularly sharp anomalies for cobalt, molybdenum, gold and platinum group metals. The SMEDG talk will focus on such anomalies in a case study area in northeastern Ontario.

Paul Blair Hostetler was Professor of Geology at Macquarie University 1973 - 1994, and has been Emeritus Professor since then. He is presently Director of Aquapath Pty, Ltd, and president of Aquapath Canada. His research interests have, and continue to be, centred around chemical interactions between water and rocks, and water and sediment.

For more information visit the Aquapath website:

[www.aquapath.net](http://www.aquapath.net)

Once you are to the website, click onto Aquapath Canada, then onto OMET Case Studies.

**Mid year cruise:** 24 June Mid year cruise – See flyer

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

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### Organising Committee:

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