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**ASX code: RXM**

## **Hillside Copper Project, South Australia**

### **▪ Preliminary assay results show continuation of high grade copper.**

Rex Minerals Limited ("Rex") has received preliminary assay results from a drill hole (HDD033) on its 100% owned Hillside copper project on South Australia's Yorke Peninsula. The results included sections of very high grade copper (up to 21%) within a total intersection of 200m @ 1.0% copper and 0.2g/t gold from 140m down hole. Two distinct sections of mineralisation were identified with the following assay results:

- *7m @ 1.2% copper and 0.3 g/t gold from 144m.*
- *60m @ 3.0% copper and 0.5 g/t gold from 280m.*

Drill hole HDD033 had difficulty getting past a fault at 340m and the continuation of this drill hole was completed with a wedge hole (HDD033W1) which has intersected additional significant copper mineralisation to a depth of 425m, with the drill hole ending at 499.4m.

A second drill hole HDD034 has also been completed, extending approximately 20m east of HDD033. This drill hole was planned to identify the down-dip extensions to the steep, east dipping copper rich structures intersected in HDD033.

These three drill holes (HDD033, HDD033W1 and HDD034) are all located 100m to the north of drill hole HDD018 which intersected 259m @ 1.7% copper and 0.4g/t gold from 205m (announced 12 January 2009). The new preliminary assays combined with previous results indicate that the copper mineralisation is shallower towards the north. Diamond drilling is continuing at Hillside with the drill rig currently situated 100m north of HDD033 and targeting the shallower copper zones.

All samples for HDD033W1 and HDD034 have now been received by the laboratory with the final drilling results expect to be returned and announced by mid September 2009.

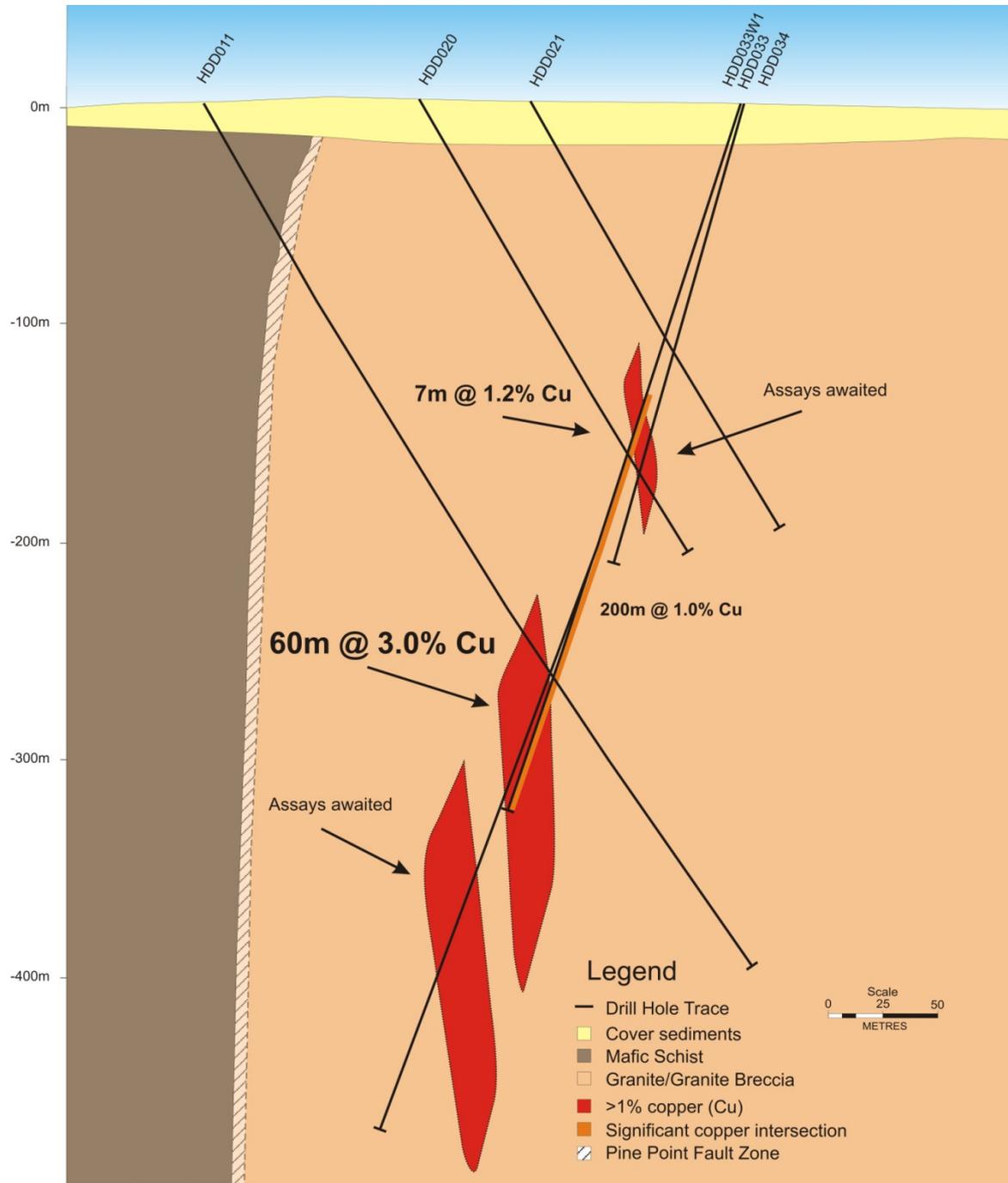
High resolution magnetic data has also been collected over the Hillside project area along with down-hole electromagnetic surveys. This information is currently being processed and the final data will be announced as the results are returned over the coming weeks.

### **For Comment and Further Details**

For more information about Rex Minerals and its projects please visit our website [www.rexminerals.com.au](http://www.rexminerals.com.au) or contact

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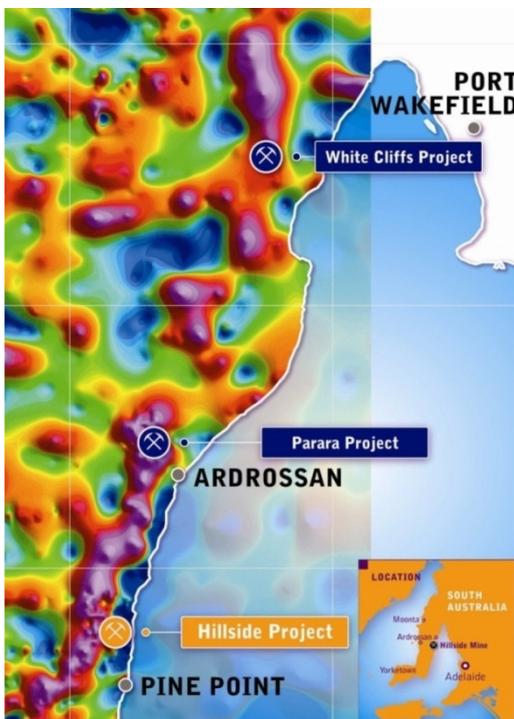
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**Figure 1:** Cross section at Hillside (74500N) showing the location of the copper mineralisation within drill holes HDD033 and HDD034.

## **About Rex Minerals**

Rex is an Australian minerals exploration company with recent copper discoveries in South Australia and New South Wales. Rex seeks to discover multiple copper deposits leading to the development of a large scale, low cost and long life mining operation on the Yorke Peninsula in South Australia. Existing gold and silver resources and a shallow copper discovery at Mt Carrington in NSW also provide Rex with a shorter term development option. The project portfolio is therefore expected to provide Rex with a sustainable pipeline of development opportunities.



Rex is exploring for multiple large scale copper-gold-uranium deposits on the Yorke Peninsula, South Australia. The presence of copper on the Yorke Peninsula was first highlighted by a number of small and high grade historical copper mines that exist within a large regional fault known as the Pine Point Fault Zone.

Rex considers that most of the copper was not discovered by early prospectors as it lies underneath 10 to 50 metres of cover sediments and were effectively “hidden” from earlier explorers.

Rex is undertaking a number of geophysical surveys that enable geologists to “see through” the shallow cover sediments to identify potential sites for large scale copper-gold-uranium mineralisation.

As part of this work, recent gravity survey’s have highlighted a large number of targets that exist along the Pine Point Fault Zone (shown in purple on adjacent image).

In NSW, Rex has recently acquired 100% ownership of the Mt Carrington gold-silver project. Mt Carrington has 190,000ozs of gold and 10.5Mozs of silver with additional shallow gold and silver potential. Recent exploration at Mt Carrington has also identified some significant high grade copper mineralisation within 100m of the surface, including 18.7m @ 5.9% copper and 10.1m @ 6.3% copper.

## **Competent Persons Report**

*The information in this report that relates to Exploration Results or Mineral Resources is based on information compiled by Mr Geoffrey Lowe who is a Member of the Australasian Institute of Mining and Metallurgy and is a full time employee of Rex Minerals Ltd. Mr Lowe has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Lowe consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*