



ASX ANNOUNCEMENT

24th May 2012

TENEMENT ACQUISITION IN TANZANIA

Perth-based explorer, Hemisphere Resources Limited (ASX: HEM) ('the Company') is pleased to announce the acquisition of a 1,128km² contiguous exploration tenement prospective for base metals in the Kagera region of North-Western Tanzania, East Africa.

Based on geological data and mineral occurrence observations made by the Tanzanian Geological Survey, as well as exploration by other companies in the area; the Katomatoma tenement area is believed to be prospective for copper, nickel, and cobalt.

Managing Director, Jason Greive said the Katomatoma acquisition follows business development work conducted in both Australia and Tanzania.

"In recent months we have reassessed Hemisphere's existing project portfolio, and considered a number of acquisition opportunities in both Australia and East Africa. Following this review process we believe the Katomatoma tenement and Tanzania in general, presents an ideal entry point into East Africa and opportunity to exploit senior management's extensive East African experience and networks," Mr Greive said.

Tanzania has an attractive mineral policy and considerable, yet underexplored mineral endowment. Tanzania's mining sector has attracted significant private sector investment in the past two decades, with a number of ASX-listed resources companies active in the country, along with major mining houses such as AngloGold Ashanti and African Barrick Gold.

The Company is in the process of acquiring further geophysical data from the Tanzanian Geological Survey on Katomatoma and will soon commence comprehensive desktop studies to identify the key base metal target areas on the tenement prior to its first renewal in July 2012. After the first renewal date, the tenement may be rationalised in line with statutory requirements to account for the key areas of interest.

Hemisphere will continue to explore value accretion opportunities from its existing portfolio of iron projects in Western Australia's Pilbara, particularly in light of recent, positive conversations in the public domain in relation to open-access rail infrastructure in the region.

[Katomatoma Project Overview](#)

Location

The Katomatoma tenement area is located in North-Western Tanzania, approximately 20km West of Lake Victoria and extends westwards to within 30km East of the Rwandan border. The area covers a total of 1,128km² (Figure 1 & 2).

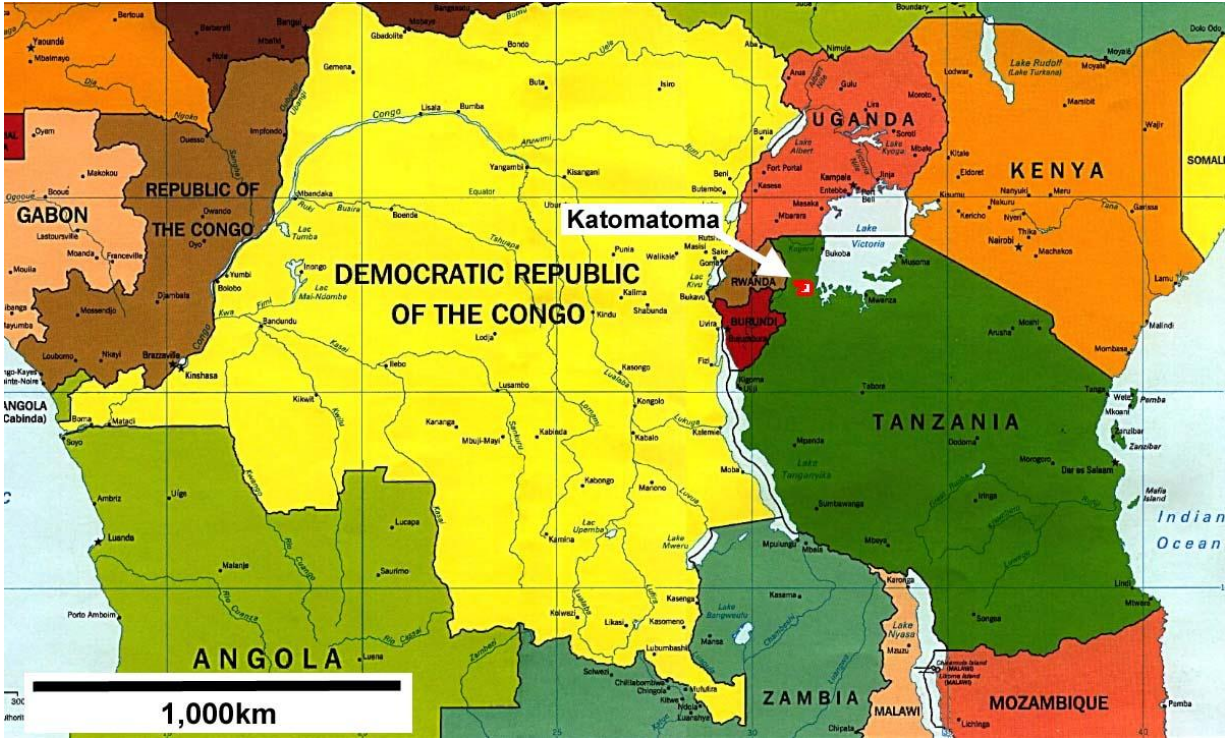


Figure 1: Location of the Katomatoma tenement area in North-Western Tanzania.

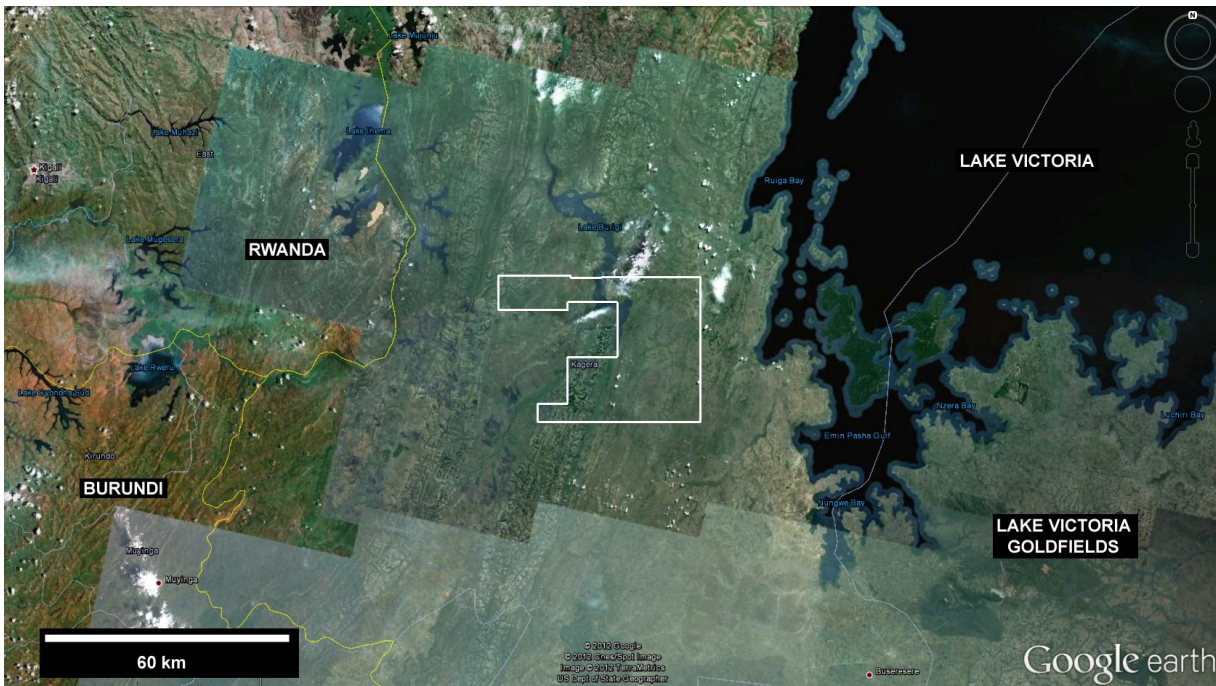


Figure 2: Location of the Katomatoma tenement area in North-Western Tanzania.

Hemisphere Resources Limited

ABN 96 122 074 006 ASX: HEM
24 Colin Street, West Perth WA 6005, Australia | PO Box 2803, West Perth WA 6872, Australia
T +61 8 9481 1749 | F +61 8 9481 1756 | W www.hemisphereresources.com



Regional Geology

The geology of north-western Tanzania is dominated by the Kibaran Orogenic belt, a mountain belt developed between the Archaean Tanzanian and Congo Cratons.

The orogenic belt is divided by a significant geological thrust fault that marks the contact between the Karagwe-Ankolean and Bukoban tectonic units.

The Karagwe-Ankolean units represent prime nickel, cobalt, and PGE exploration targets and form part of the Kabanga-Musongati belt that extends at least 350km from northern Tanzania into Burundi. Other minerals present in the sedimentary rocks within these systems may include molybdenum, zinc, and copper, hosted as stratiform deposits within the sedimentary units.

The Bukoban units consist of layered sedimentary rocks, and are prime exploration targets for stratiform copper, cobalt, and silver deposits within shale horizons, here the geological setting is similar to where copper mineralisation is found in the Central African Copper belt, which runs through Zambia, the DRC and into South-Western Uganda.

Local Geology

The Katomatoma tenement area spans significantly either side of the thrust fault and therefore contains significant areas of ground in both the Karagwe-Ankolean units and the Bukoban units. The tenement is therefore prospective for a range of commodities and styles of mineralisation.

The Tanzanian Geological Survey has identified copper, nickel and cobalt mineral occurrences within the boundary of the Katomatoma tenement, as well as mineral occurrences along strike from the tenement boundaries in similar geological settings (Figure 3).

Forward Exploration Work

The Company is in the process of acquiring further geophysical data on the tenement from the Tanzanian Geological Survey for comprehensive desktop studies with a view to identifying potential structures hosting base metal mineralisation.

Once potential mineral systems have been identified, the appropriate geophysical and remote sensing techniques will be engaged to further refine key targets for detailed mapping, ground truthing and ultimately, resource assessment through exploration drilling.

About Hemisphere

Hemisphere Resources (ASX: HEM) is a diversified exploration company headquartered in Perth, Western Australia. The Company has an experienced board and management team committed to creating shareholder value from its growing project portfolio:

Hemisphere Resources Limited

ABN 96 122 074 006 ASX: HEM
24 Colin Street, West Perth WA 6005, Australia | PO Box 2803, West Perth WA 6872, Australia
T +61 8 9481 1749 | F +61 8 9481 1756 | W www.hemisphereresources.com

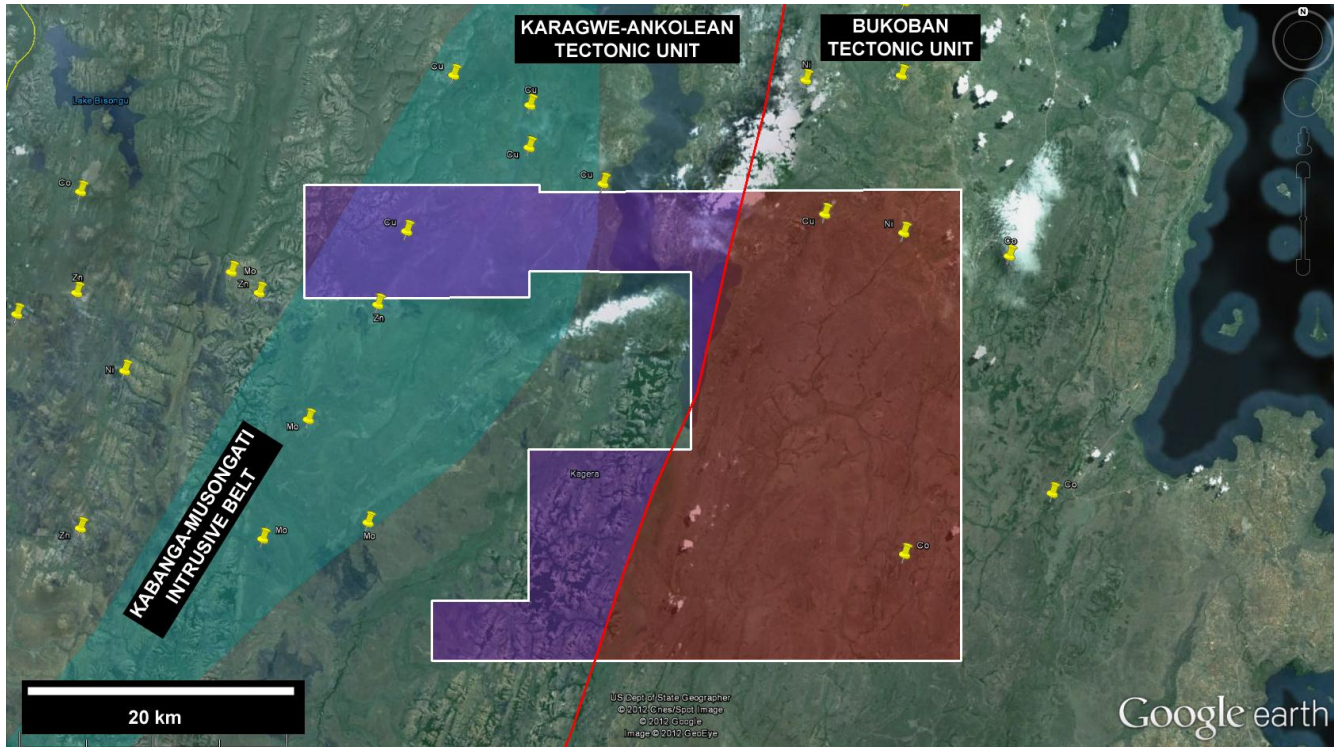


Figure 3: Local geological structure at Katomatoma showing the thrust separating the Karagwe-Ankolean and Bukoban tectonic units. The Kabanga-Musongati intrusive belt extends southwest into Burundi. Identified mineral occurrences are shown as yellow markers.

Contact Information

Inquiries:

Mr Jason Greive
Managing Director
Phone: 08 9481 1749
Fax: 08 9481 1756
Email: info@hemisphereresources.com

Media:

Annette Ellis
Purple Communications
Phone: 08 6314 6300
Mobile: 0458 200 039
Email: aellis@purplecom.com.au

www.hemisphereresources.com.au

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Ian Hassall, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Hassall is a full-time contract employee of Hemisphere Resources. Mr Hassall has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity for which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Hassall consents to the inclusion in the reports of the matters based on his information in the form and context in which it appears.

Hemisphere Resources Limited

ABN 96 122 074 006 ASX: HEM
24 Colin Street, West Perth WA 6005, Australia | PO Box 2803, West Perth WA 6872, Australia
T +61 8 9481 1749 | F +61 8 9481 1756 | W www.hemisphereresources.com