



Updated JORC Resource Estimate – Kanyika Niobium Project

Globe Metals & Mining (“Globe” or “the Company”; ASX: GBE) is pleased to announce an updated Mineral Resource Estimate (MRE) for the Kanyika Niobium Project in Malawi.

Highlights

- **Total 68.3Mt @ 2,830ppm Nb₂O₅ & 135ppm Ta₂O₅ at 1,500ppm Nb₂O₅ cut-off.**
- **5.3Mt Measured, 47.0Mt Indicated and 16.0Mt Inferred (previous estimate total in June 2010 was 5.0Mt Measured, 18.2Mt Indicated and 36.8Mt Inferred)**
- **125% increase in Measured + Indicated resource tonnage compared to June 2010**
- **105% increase in contained Nb₂O₅ metal in Measured + Indicated categories compared to June 2010**
- **9% increase in total contained Nb₂O₅ metal in all resource categories compared to June 2010**

Summary

The primary objective of the 15,000 metre 2012 drilling program at Kanyika was to significantly increase the tonnage of Measured and Indicated resources as part of the on-going Definitive Feasibility Study (DFS). The infill drilling program commenced in April 2012, with results forming the basis for the new mineral resource estimate (MRE). Coffey Mining is currently working with the new MRE to produce a maiden Reserve estimate and mining schedule for Kanyika as part of the DFS due for completion this month.

An additional objective of the 2012 drilling program was to gain a better understanding of the distribution of high grade material that will likely be mined in the earliest years of operation. Globe has significantly advanced this understanding, exceeding previously announced expectations, with greater than 50Mt in Measured and Indicated categories outlined within the MRE. The updated MRE has successfully ensured that sufficient niobium-tantalum ore has been defined to allow the Kanyika Niobium Project to support the planned 20 year mine life potential.

Mr Fergus Jockel, the Company’s Acting CEO and Exploration Manager, commented: “The 125% increase in Measured and Indicated resource tonnage has exceeded our expectations and has allowed mine planning to proceed with a higher degree of certainty. Furthermore the 9% increase in total contained Nb₂O₅ content is particularly encouraging. We are steadily advancing towards completion of a number of key components of the draft DFS, and look forward to updating shareholders in due course.”



Table 1: Mineral Resource Estimate for Kanyika (1,500 ppm Nb₂O₅ lower cut).

Category	Million Tonnes	Nb ₂ O ₅ ppm	Ta ₂ O ₅ ppm	U ₃ O ₈ ppm
Measured	5.3	3,790	180	110
Indicated	47.0	2,860	135	80
Inferred	16.0	2,430	120	70
Total	68.3	2,830	135	80

Table 2: Mineral Resource Estimate for Kanyika (3,000 ppm Nb₂O₅ lower cut).

Category	Million Tonnes	Nb ₂ O ₅ ppm	Ta ₂ O ₅ ppm	U ₃ O ₈ ppm
Measured	3.4	4,790	220	135
Indicated	16.6	4,120	190	105
Inferred	2.8	4,110	190	105
Total	22.8	4,220	190	110

Commentary

The resource area covers 2.3km of strike length and 300m width (at its widest) with a maximum depth of 250m (Figure 1). Historical drilling indicates that a further strike length of approximately 1.5km of known mineralised alkalic granitoid extends south of the resource area which warrants further drilling in future to better determine the upside potential. In addition, high grade mineralisation at the extreme northern end of the deposit plunges to the north and remains open down dip and along strike (down plunge).

Mr Michael Job, Principal Consultant of Quantitative Group, completed the resource estimate utilising Globe's internal geological and mineralisation interpretations. Important points to note on the new resource estimate include:

Increase in Measured and Indicated – The total tonnage in Measured and Indicated categories has risen 125% to 52.3Mt above a 1,500 ppm Nb₂O₅ cut-off. This has met the target of 50Mt that was one of the aims of the drilling program when designed in April 2012. This would provide for a potential 20+ year mine life.

Increase in Total Contained Metal – The total contained metal above a 1,500 ppm Nb₂O₅ cut-off has risen to 193,300t for Nb₂O₅, an increase of 9% from the last resource estimate, with the contained tantalum content increasing by 10%.

Definition of High-Grade Shoots – The areas of the deposit defined as Measured and Indicated are characterised by distinct, high-grade shoots within broader mineralised zones. The increased drill density in these areas has improved the understanding of the geology and controls on the high-grade shoots. To that end, remodelling of the high grade shoots from the 2010 resource estimate resulted in significantly better definition in these areas.

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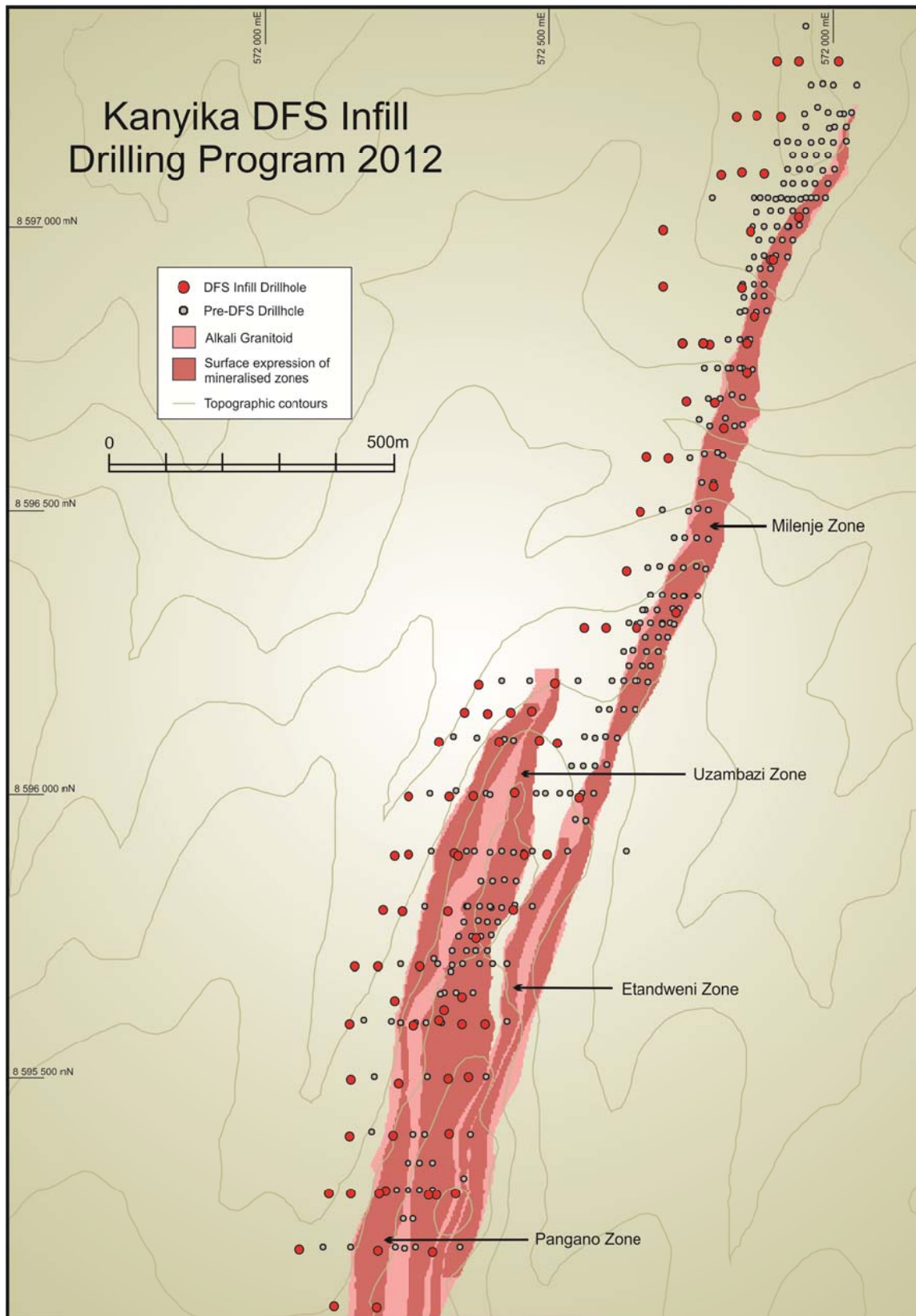


Figure 1: 2012 Kanyika drilling program depicting the surface expressions of the >1500ppm Nb₂O₅ mineralised zones.

Next Steps – Coffey Mining will now undertake final pit shell optimisation and final mine design and scheduling based on the new MRE model.

-ENDS-

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About Globe Metals & Mining

Globe is an African-focused resources company, specialising in rare metals such as niobium, tantalum and rare earths, as well as other commodities including graphite, fluorite, uranium and zircon. Globe's primary focus is the advanced multi-commodity Kanyika Niobium Project in Malawi, which will produce ferro-niobium, a key additive in sophisticated steels.

Globe also owns 100% of the Machinga Rare Earth Project in southern Malawi, and is earning up to a 90% interest in the Mount Muambe REE – Fluorite Project, in Mozambique. Recently Globe also announced it has purchased the Chiziro Graphite Project in Malawi.

Globe's corporate head office in Perth, Australia is supported by regional operational offices in Lilongwe and. The Company has been listed on the ASX since December 2005 (ASX: GBE).

In April 2011, the Company entered into a strategic partnership with East China Mineral Exploration and Development Bureau (ECE), a Chinese State Owned Enterprise with extensive mining operations in China and overseas. ECE is now the major shareholder in Globe, and a key partner for Globe's exploration and development program in Africa.

Competent Person: *The contents of this report relating to geology and exploration results are based on information compiled by Mr Fergus Jockel, Member of the Australian Institute of Geoscientists and Member of the Australasian Institute of Mining & Metallurgy. Mr Jockel is the Acting CEO and Exploration Manager of Globe Metals and Mining Ltd (ASX: GBE) and has sufficient experience related to the activity being undertaken 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 and consents to the inclusion in this report of the matters compiled by him in the form and context in which they appear.*

Competent Person: *The contents of this report relating to the Mineral Resource Estimate are based on information compiled by Mr Michael Job, Fellow of the Australasian Institute of Mining and Metallurgy, and a consultant employed by Quantitative Group. Mr Job has sufficient experience related to the activity being undertaken 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 and consents to the inclusion in this report of the matters compiled by him in the form and context in which they appear.*