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ASX Code: GBE

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## ASX/Media Announcement

### September Quarter 2008 Activities Report

Globe Metals & Mining is pleased to present its September Quarter 2008 Activities Report.

#### Highlights

- **\$6m cash at bank**
- **Pre-Feasibility Study commenced – Kanyika Project**
- **Infill and extensional drilling at Kanyika extremely successful, including:**

KARC085	21m @ 10,339ppm Nb <sub>2</sub> O <sub>5</sub> ,	530ppm Ta <sub>2</sub> O <sub>5</sub> ,	366ppm U <sub>3</sub> O <sub>8</sub> (from 64m)
incl.	3m @ 44,206ppm Nb <sub>2</sub> O <sub>5</sub> ,	2,501ppm Ta <sub>2</sub> O <sub>5</sub> ,	1,616ppm U <sub>3</sub> O <sub>8</sub> (from 64m)
KADD009	17m @ 14,027ppm Nb <sub>2</sub> O <sub>5</sub> ,	853ppm Ta <sub>2</sub> O <sub>5</sub> ,	586ppm U <sub>3</sub> O <sub>8</sub> (from 33m)
incl.	5m @ 21,981ppm Nb <sub>2</sub> O <sub>5</sub> ,	997ppm Ta <sub>2</sub> O <sub>5</sub> ,	775ppm U <sub>3</sub> O <sub>8</sub> (from 33m)
& incl.	4m @ 21,708ppm Nb <sub>2</sub> O <sub>5</sub> ,	1,757ppm Ta <sub>2</sub> O <sub>5</sub> ,	895ppm U <sub>3</sub> O <sub>8</sub> (from 46m)
- **A & M Minerals appointed as marketing advisers for Kanyika Project**
- **Finalist, “Frontier Explorer of the Year” Award**

#### Strategy and Outlook

Globe is structuring its activities to ensure that it does not need to raise further equity capital until 2010.

The current focus of activity for Globe is the Kanyika Project. The Company is in the fortunate position of being able to progress this Project over the course of the next 12 months in a more-or-less business as usual manner, as the current Project priorities (metallurgy and marketing) are not capital intensive, relative to the recently-completed drilling phases on the Project.

Nevertheless, the Company will be, and has commenced, paring back on both operating and administrative expenses.

The net cash outflows over the coming Quarters will reduce significantly, compared to the current September Quarter's outflows of \$1.7 million.

Globe's Managing Director, Mr. Mark Sumich, said “the impact of the financial crisis on commodity markets may well be overcooked. Even so, we are preparing for the worst.”



# 1. Kanyika Project

## 1.1. Pre-Feasibility Study

The commencement of the Pre-Feasibility Study (PFS) was announced to the market on 3 September 2008, and follows on from the results of the extremely positive Scoping Study carried out by Coffey Mining, which assessed the economic potential of Globe's Kanyika Project. Coffey Mining concluded:

*“results show that the Kanyika Project has the potential to become a very profitable operation with at least a 20 year mine life.”*

The initial components of the PFS being undertaken are:

1. **Resource Upgrade** – to provide a greater level of geological confidence to the higher-grade, near surface component of the resource, by way of in-fill drilling, resulting in an upgraded JORC resource category for that component of the resource, above the current inferred category. It is expected that these parts of the deposit will be the focus of initial mining at Kanyika.
2. **Metallurgy** – to complete the next stage of metallurgical work which has the objective of validating the entire process flow sheet proposed under the Scoping Study.

Other aspects of the PFS including mining, engineering, legal, operating, social and environmental will follow in due course. Discussions with potential off-take partners (marketing) are ongoing.

## 1.2. Resource Upgrade and Drilling

The 2008 drilling program was designed to:

- Upgrade the resource category of the majority of the high-grade, near surface mineralisation.
- Increase the Inferred Resource tonnage, specifically by targeting along strike and down-dip extensions to the high-grade northern part of the Milenje Zone.

The near-surface, high grade component of the current inferred resource is targeted for upgrading of resource category because it will be the focus of mining for the first 4-5 years of operations. Mining this high-grade material first is expected to provide for earlier payback of capital expenditure.

The 2008 Kanyika drilling program is now complete. A total of 5,247m of RC, 1,605m of diamond and 301m of percussion drilling, for a total of 7,153m, was completed at Kanyika this year. The majority of which was drilled in the quarter ending September 2008. So far, results have been received and reported for approximately half of the 2008 drilling at Kanyika.

The 2008 drilling has extended mineralisation 200m along strike to the north along the Milenje Zone from last year's drilling (Figure 1). In addition, a number of holes up to 300m deep, target down-dip extensions to the high grade mineralisation in the Milenje Zone. Infill drilling has been extremely successful in defining near surface, very high-grade zones of mineralisation >1% Nb<sub>2</sub>O<sub>5</sub>. In addition, the infill drilling shows very good consistency in mineralisation and geology and confirms the overall robust nature of the deposit.

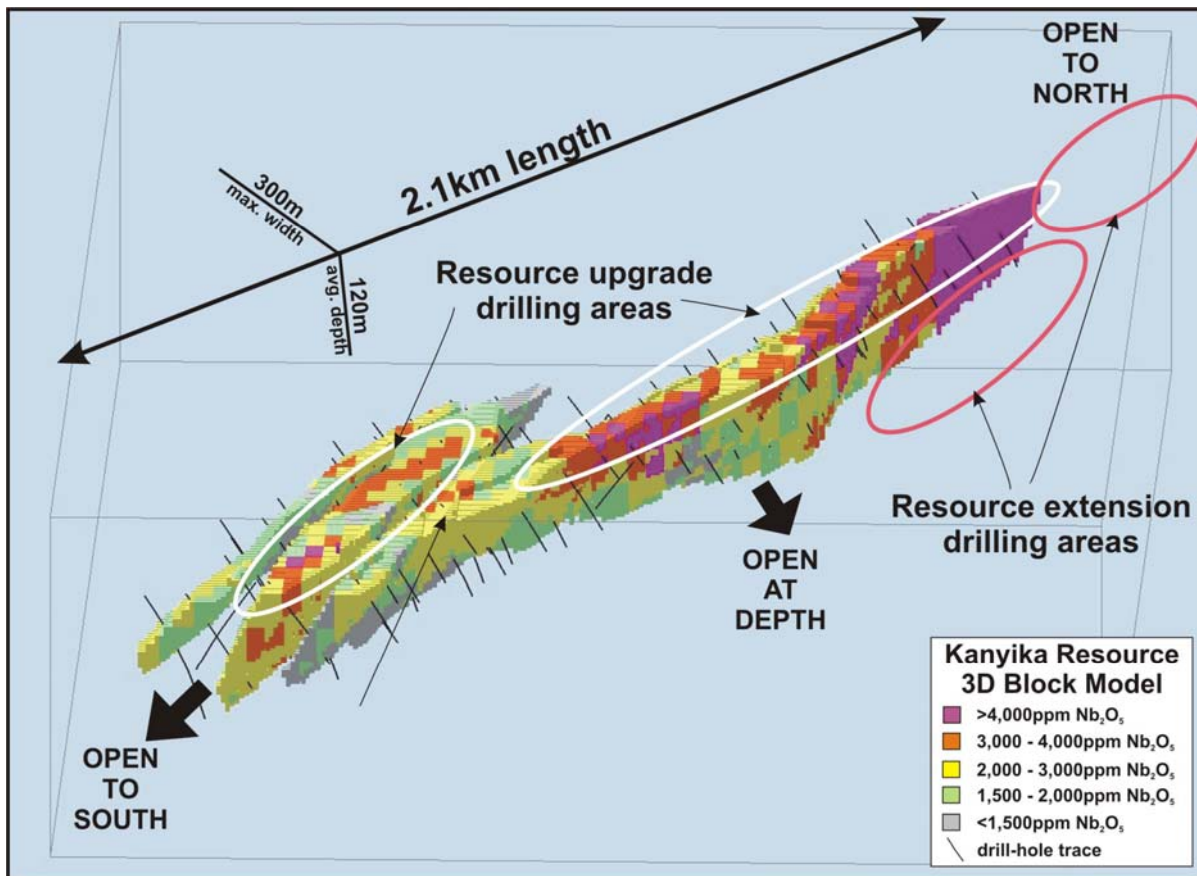


Figure 1: Kanyika resource 3D block model showing areas of 2008 extensional drilling

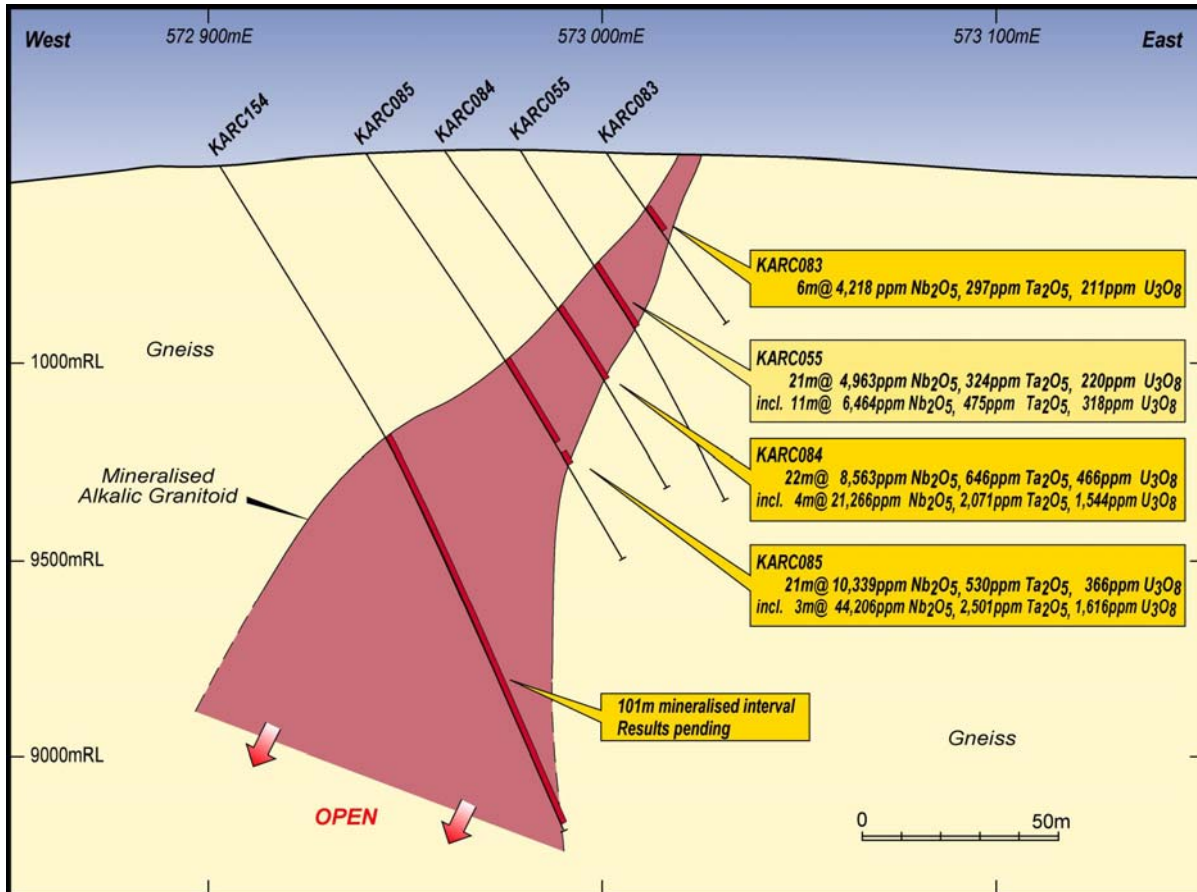


Figure 2: Milenje Zone cross-section 859,7150mN

Results from 2008 extensional drilling in the Milenje Zone to the north and at depth of last year's drilling include:

**KARC085 21m @ 10,339ppm Nb<sub>2</sub>O<sub>5</sub>, 530ppm Ta<sub>2</sub>O<sub>5</sub>, 366ppm U<sub>3</sub>O<sub>8</sub> (from 64m)**  
 incl. **3m @ 44,206ppm Nb<sub>2</sub>O<sub>5</sub>, 2,501ppm Ta<sub>2</sub>O<sub>5</sub>, 1,616ppm U<sub>3</sub>O<sub>8</sub> (from 64m)**  
**&**  
**KARC084 22m @ 8,563ppm Nb<sub>2</sub>O<sub>5</sub>, 646ppm Ta<sub>2</sub>O<sub>5</sub>, 466ppm U<sub>3</sub>O<sub>8</sub> (from 46m)**  
 incl. **4m @ 21,266ppm Nb<sub>2</sub>O<sub>5</sub>, 2,071ppm Ta<sub>2</sub>O<sub>5</sub>, 1,544ppm U<sub>3</sub>O<sub>8</sub> (from 64m)**

Results from 2008 infill drilling in the Milenje Zone include:

**KARC094 70m @ 3,864ppm Nb<sub>2</sub>O<sub>5</sub>, 165ppm Ta<sub>2</sub>O<sub>5</sub>, 83ppm U<sub>3</sub>O<sub>8</sub> (from 50m)**  
 incl. **4m @ 10,302ppm Nb<sub>2</sub>O<sub>5</sub>, 398ppm Ta<sub>2</sub>O<sub>5</sub>, 195ppm U<sub>3</sub>O<sub>8</sub> (from 75m)**

**KARC099 28m @ 5,325ppm Nb<sub>2</sub>O<sub>5</sub>, 221ppm Ta<sub>2</sub>O<sub>5</sub>, 207ppm U<sub>3</sub>O<sub>8</sub> (from 0m)**  
 incl. **8m @ 7,422ppm Nb<sub>2</sub>O<sub>5</sub>, 324ppm Ta<sub>2</sub>O<sub>5</sub>, 246ppm U<sub>3</sub>O<sub>8</sub> (from 18m)**

**KARC101 19m @ 5,567ppm Nb<sub>2</sub>O<sub>5</sub>, 230ppm Ta<sub>2</sub>O<sub>5</sub>, 189ppm U<sub>3</sub>O<sub>8</sub> (from 0m)**  
 incl. **8m @ 8,799ppm Nb<sub>2</sub>O<sub>5</sub>, 380ppm Ta<sub>2</sub>O<sub>5</sub>, 271ppm U<sub>3</sub>O<sub>8</sub> (from 11m)**

**KARC106 41m @ 4,476ppm Nb<sub>2</sub>O<sub>5</sub>, 223ppm Ta<sub>2</sub>O<sub>5</sub>, 160ppm U<sub>3</sub>O<sub>8</sub> (from 0m)**  
 incl. **15m @ 6,466ppm Nb<sub>2</sub>O<sub>5</sub>, 385ppm Ta<sub>2</sub>O<sub>5</sub>, 283ppm U<sub>3</sub>O<sub>8</sub> (from 23m)**

**KARC107 33m @ 4,420ppm Nb<sub>2</sub>O<sub>5</sub>, 205ppm Ta<sub>2</sub>O<sub>5</sub>, 129ppm U<sub>3</sub>O<sub>8</sub> (from 8m)**  
 incl. **7m @ 10,466ppm Nb<sub>2</sub>O<sub>5</sub>, 541ppm Ta<sub>2</sub>O<sub>5</sub>, 412ppm U<sub>3</sub>O<sub>8</sub> (from 11m)**  
**&**  
**32m @ 3,733ppm Nb<sub>2</sub>O<sub>5</sub>, 157ppm Ta<sub>2</sub>O<sub>5</sub>, 107ppm U<sub>3</sub>O<sub>8</sub> (from 52m)**  
 incl. **4m @ 12,739ppm Nb<sub>2</sub>O<sub>5</sub>, 465ppm Ta<sub>2</sub>O<sub>5</sub>, 398ppm U<sub>3</sub>O<sub>8</sub> (from 73m)**

**KARC113 26m @ 4,328ppm Nb<sub>2</sub>O<sub>5</sub>, 192ppm Ta<sub>2</sub>O<sub>5</sub>, 135ppm U<sub>3</sub>O<sub>8</sub> (from 4m)**  
 incl. **4m @ 7,901ppm Nb<sub>2</sub>O<sub>5</sub>, 332ppm Ta<sub>2</sub>O<sub>5</sub>, 264ppm U<sub>3</sub>O<sub>8</sub> (from 19m)**

**KADD009 17m @ 14,027ppm Nb<sub>2</sub>O<sub>5</sub>, 853ppm Ta<sub>2</sub>O<sub>5</sub>, 586ppm U<sub>3</sub>O<sub>8</sub> (from 33m)**  
 incl. **5m @ 21,981ppm Nb<sub>2</sub>O<sub>5</sub>, 997ppm Ta<sub>2</sub>O<sub>5</sub>, 775ppm U<sub>3</sub>O<sub>8</sub> (from 33m)**  
 & incl. **4m @ 21,708ppm Nb<sub>2</sub>O<sub>5</sub>, 1,757ppm Ta<sub>2</sub>O<sub>5</sub>, 895ppm U<sub>3</sub>O<sub>8</sub> (from 46m)**

**KARC089 28m @ 6,204ppm Nb<sub>2</sub>O<sub>5</sub>, 267ppm Ta<sub>2</sub>O<sub>5</sub>, 220ppm U<sub>3</sub>O<sub>8</sub> (from 12m)**  
 incl. **9m @ 10,016ppm Nb<sub>2</sub>O<sub>5</sub>, 297ppm Ta<sub>2</sub>O<sub>5</sub>, 314ppm U<sub>3</sub>O<sub>8</sub> (from 17m)**

**KARC090 39m @ 5,207ppm Nb<sub>2</sub>O<sub>5</sub>, 260ppm Ta<sub>2</sub>O<sub>5</sub>, 206ppm U<sub>3</sub>O<sub>8</sub> (from 15m)**  
 incl. **4m @ 13,283ppm Nb<sub>2</sub>O<sub>5</sub>, 791ppm Ta<sub>2</sub>O<sub>5</sub>, 482ppm U<sub>3</sub>O<sub>8</sub> (from 41m)**

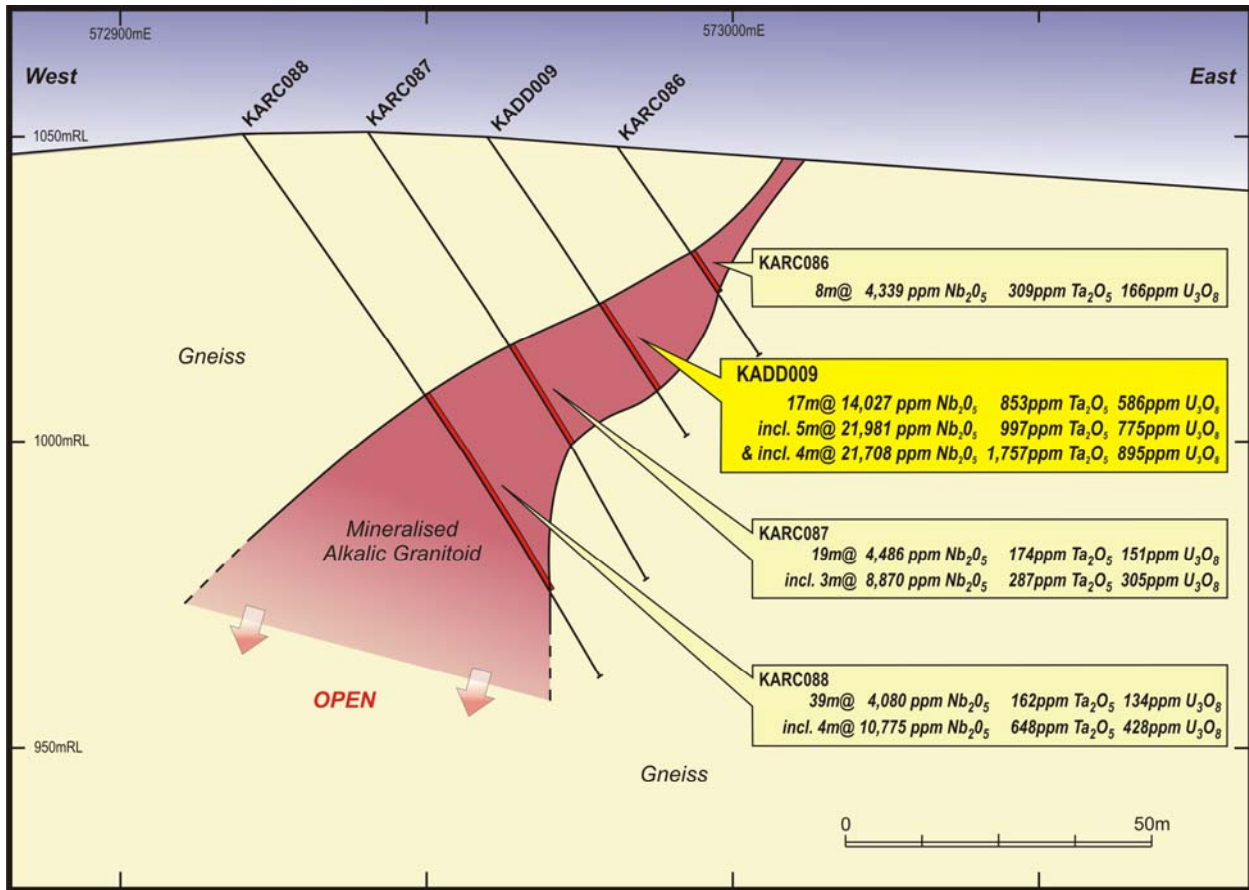


Figure 3: Section 8597100mN, Milenje Zone, Kanyika

### 1.3. Metallurgy

The primary aim of current phase of metallurgy is to:

- Optimise the gravity and flotation recoveries to the concentrate.
- Produce a ferro-niobium alloy via smelting.

The smelted ferro-niobium alloy samples will then be sent to potential buyers for examination and assessment.

Secondary elements of the metallurgy program include:

- Examination of the potential to produce uranium from the smelting slag.
- Pre-smelt leaching tests to examine the possibility of removing the uranium from the concentrate by chemical means.
- Optimisation of the zircon concentrate into a possible saleable product.
- Investigation of the potential to produce a clean feldspar product for the ceramics industry.

John W. MacIntyre & Associates (JMA) have been retained by the Company to manage the metallurgical program. John MacIntyre (FAusIMM) has over 33 years experience as a metallurgist working on a wide range of projects worldwide. The past 27 years have been associated with all aspects of new project development, namely metallurgical evaluations, feasibility studies, technical audits for financial institutions, project commissioning and management, as well as mine management.

The gravity testwork is being conducted at the Perth laboratories of Nagrom, who have extensive experience in gravity separation and beneficiation techniques ([www.nagrom.com.au](http://www.nagrom.com.au)). Nagrom have conducted work for many specialty and rare metals projects worldwide.



Flotation testwork is being conducted at the Perth laboratories of Ammtec, who have extensive experience in flotation techniques ([www.ammtec.com.au](http://www.ammtec.com.au)).

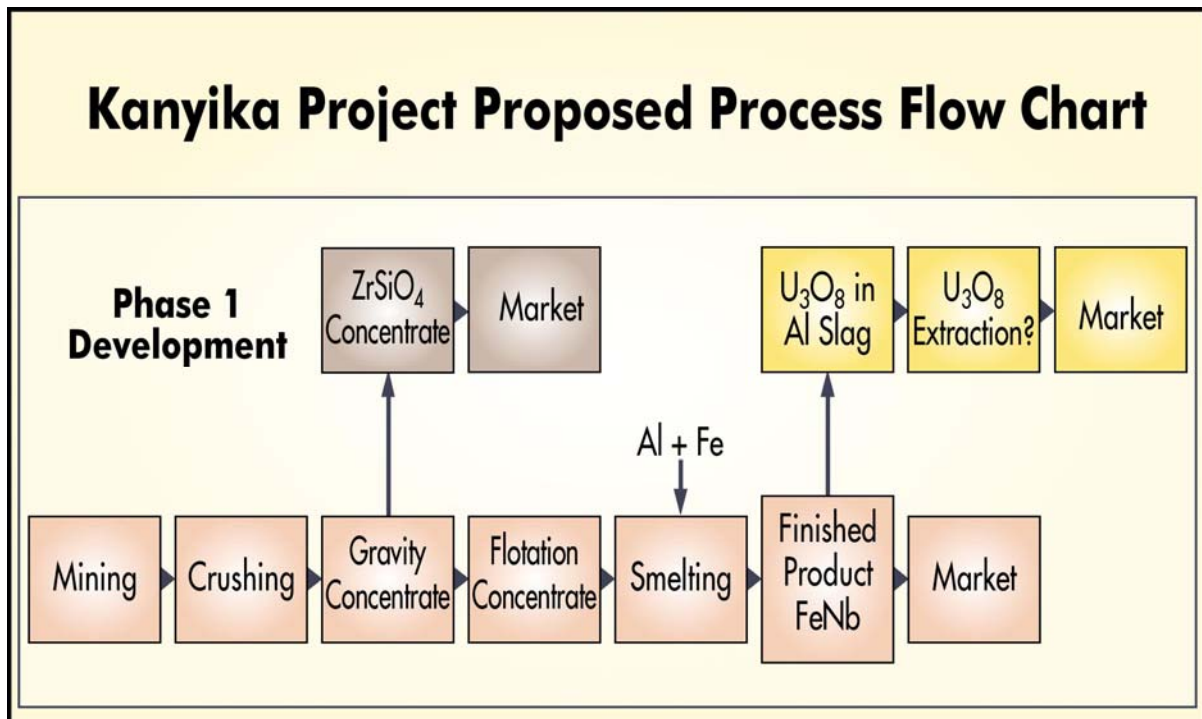


Figure 4: Kanyika Project Proposed Process Flow Chart

#### 1.4. Marketing

The Company is actively investigating the market for ferro-niobium products, and has commenced discussions with a number of possible off-take partners. The completion of the metallurgical test-work program will provide base-case finished products for testing by possible buyers.

To assist with these marketing efforts, Globe has appointed A & M Minerals as its exclusive marketing advisers in relation to it the Kanyika Project.

A & M Minerals will provide the following services to Globe under the Marketing Agreement:

- Periodic market intelligence and updates.
- Introductions to prospective off-take customers for niobium raw materials from Kanyika.
- Assistance with the sale of final product (e.g. sales into the spot market).

Globe's Managing Director, Mr. Mark Sumich, said at the time of the announcement "we are delighted to appoint such an experienced team to assist Globe. A & M are a leading trader of niobium products, and they will bring a great deal of expertise, market information and industry contacts to us as we move into the marketing phase of the Kanyika Project."

A & M Minerals is a London-based specialised trading company, with offices in New York, Hanoi and São Paulo, focusing on tantalum, niobium, tungsten, tin minerals and product plus zinc, lead and antimony metal. A & M is an Associate Trade Member of the London Metal Exchange (LME), and a member of the Tantalum-Niobium International Study Centre (TIC), the International Tungsten Industry Association (ITIA) and the Minor Metals Trade Association (MMTA).

Website: [www.amgroup.uk.com](http://www.amgroup.uk.com)

## 2. Livingstonia Project

Globe reported results in September 2008 from the most recent phase of 2008 percussion drilling at its 100%-owned Livingstonia Uranium Project in Malawi.

At the Chombe Prospect, drilling was designed to follow-up significant uranium mineralisation intersected in the 2007 and 2008 RC drilling programs. An additional zone of uranium mineralisation, approximately 200m to the east of previously discovered zones, has been defined by this latest program. The new zone of uranium at Chombe has expanded the known mineralised envelope to more than 1,000m (E-W) by 600m (N-S). All mineralisation is hosted in shallowly-dipping Karoo sedimentary rocks.

At Chiweta, drilling has identified a broad, shallowly dipping, somewhat tabular mineralised zone, with an apparent NW-SE strike and thicknesses up to 10m. The zone as currently defined is approximately 500m by 200m, remains open to the NW and is terminated by the Chiweta Escarpment to the SE.

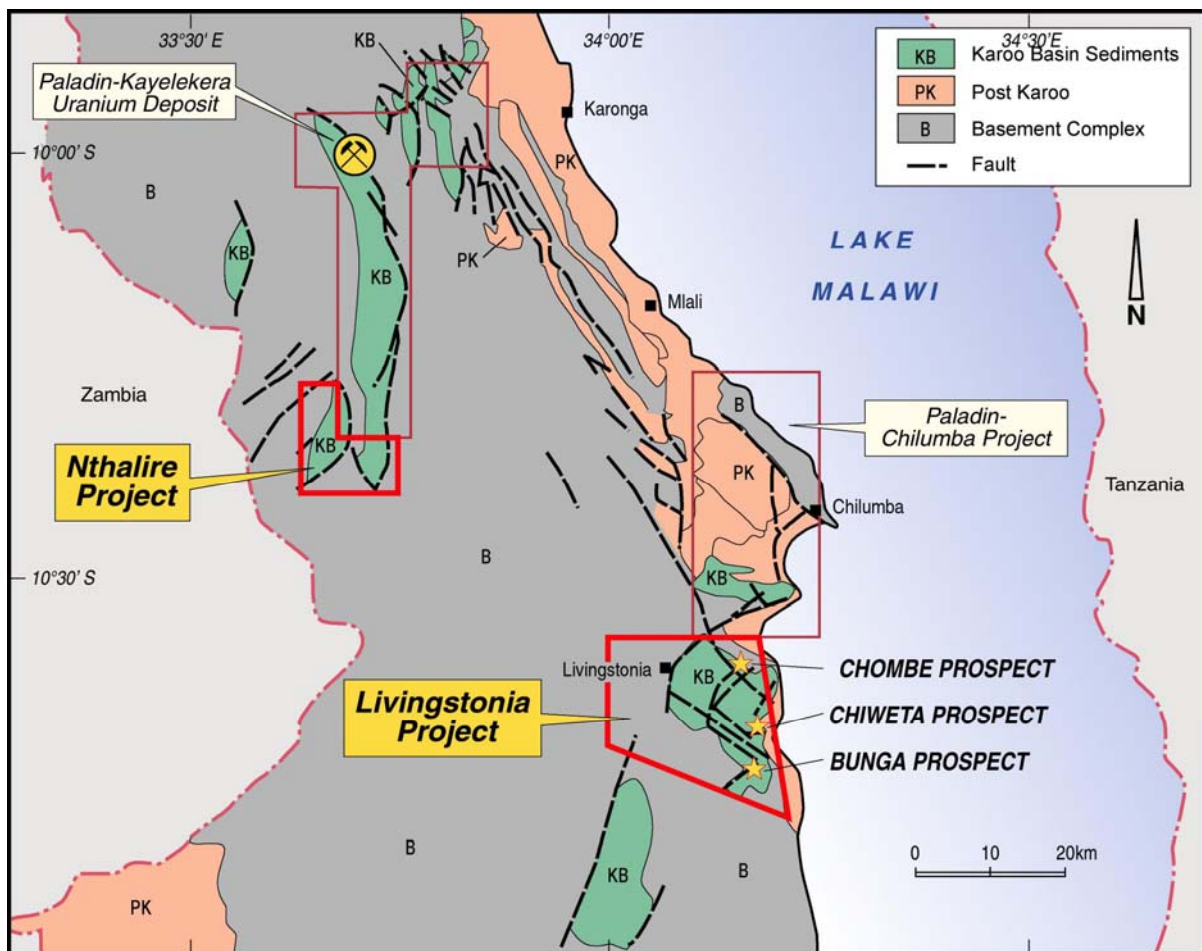


Figure 5: Simplified geology of northern Malawi showing the Livingstonia Project and location of the Chombe, Chiweta and Bunga Prospects

### Results

A total of 36 percussion drill holes for 4,298m were completed on the Chombe, Chiweta and Bunga prospects at Livingstonia in July and August 2008 (Figure 6). The holes were all probed with a spectral gamma logging tool by the Company's onsite geological team. Spectral gamma logging results are reported as equivalent  $U_3O_8$ , denoted e $U_3O_8$ . All mineralised intervals identified by the gamma logging have been sampled and submitted for corroborative laboratory chemical analysis.

*Chombe*

A total of 3,004m in 25 percussion drill holes were completed at Chombe in 2008. The new drilling has extended a broad, shallowly dipping, somewhat tabular mineralised envelope with approximate dimensions more than 1,000m (E-W) by 600m (N-S). Three zones of thicker and higher grade mineralisation, with apparent NW-SE trends, occur within this area (Figure 6).

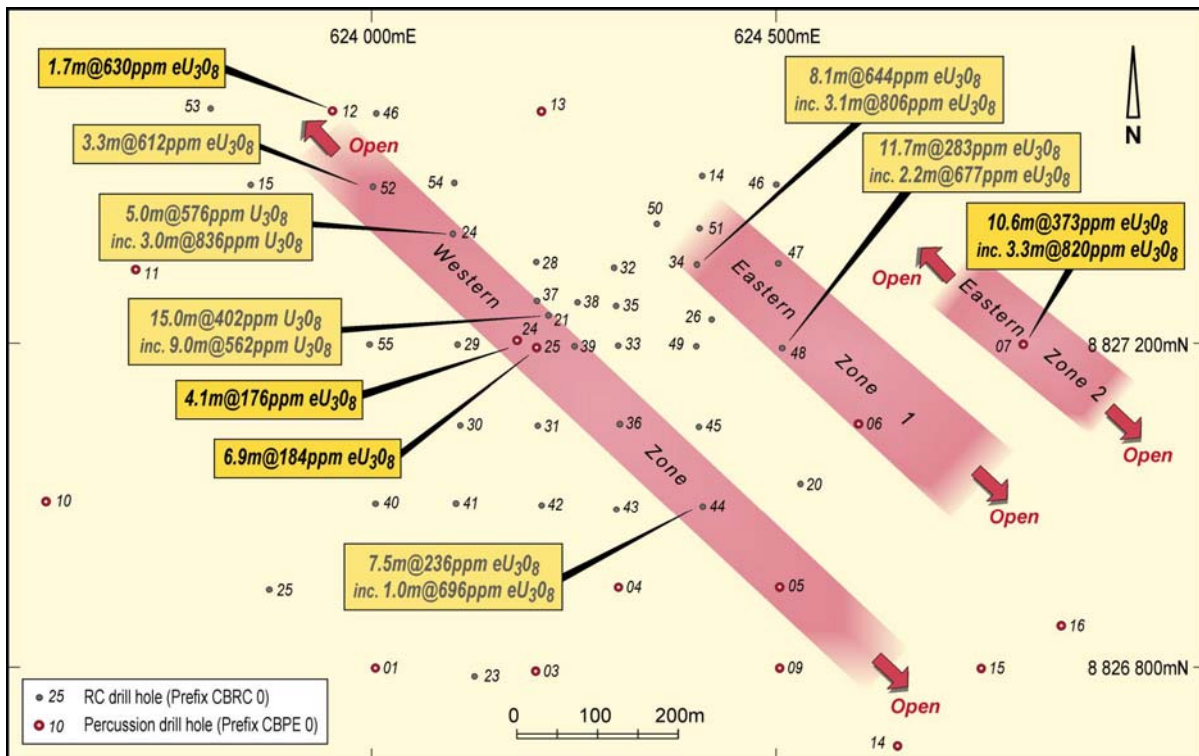
The most significant result, obtained from hole CBPE007 returned 10.6m @ 373ppm eU<sub>3</sub>O<sub>8</sub>. This intercept is more than 200m away from previously known uranium mineralisation and is interpreted to represent a third zone (Figure 6).

Best results from the Chombe percussion drilling program are listed in Table 1 below:

**Table 1: Best Chombe percussion drilling results, 2008**

Hole ID	Mineralised Zone	Intercept Length (m)	eU <sub>3</sub> O <sub>8</sub> (ppm)
CBPE007	Eastern 2	10.6	373
	inc.	3.3	820
CBPE012	Western	1.7	630
CBPE024	Western	1.6	236
	and	4.1	176
CBPE025	Western	6.9	184

Grid system is UTM WGS 84 Zone 36S.



**Figure 6: RC and percussion drill plan – Chombe Prospect, Livingstonia Project**

*Chiweta*

A total of 648m in 6 percussion drill holes was completed at Chiweta. The new drilling has identified a broad, shallowly dipping, somewhat tabular mineralised zone, with an apparent NW-SE strike. It has been intersected by 6 drill holes over approximately 500m strike length and 200m width. The



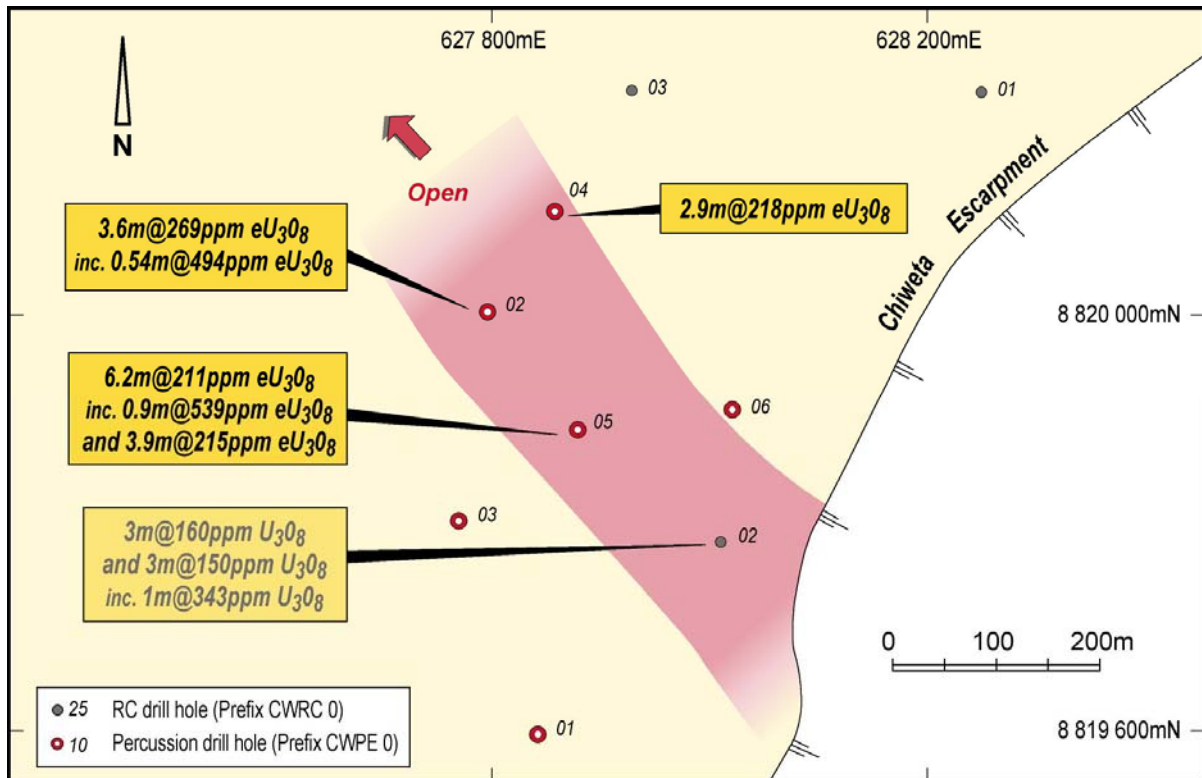
mineralised zone remains open to the NW and is terminated by the Chiweta Escarpment to the SE. The majority of the mineralised intercepts occur at vertical depths of between 40 and 70m.

Best results from the Chiweta percussion drilling program are listed in Table 2 below:

**Table 2: Best Chiweta percussion drilling results, 2008**

Hole ID	Mineralised Zone	Intercept Length (m)	eU <sub>3</sub> O <sub>8</sub> (ppm)
CWPE001	Chiweta	0.9	272
CWPE002	Chiweta	3.6	269
	inc.	0.5	494
CWPE004	Chiweta	2.9	218
CWPE005	Chiweta	6.2	211
	inc.	0.9	539
	and	3.9	215

Grid system is UTM WGS 84 Zone 36S.



**Figure 7: RC and percussion drill plan – Chiweta Prospect, Livingstonia Project**

### Bunga

A total of 646m in 5 percussion drill holes were completed at Bunga. The new drilling did not intersect any significant uranium mineralisation.

### 3. Finalist, “Frontier Explorer of the Year” Award

Globe was nominated in September 2008 as one of three finalists shortlisted for the “Frontier Explorer of the Year” Award, as part of the National Mining Awards 2008, held in association with the Sydney Mining Club. The Award was won by Citadel Resource Group Limited.

Globe's nomination was for its success in discovering the multi-commodity (niobium, uranium, tantalum, zircon) Kanyika Project in central Malawi. In March 2008 the Company announced a 56Mt inferred JORC resource; the resource was developed over a two year period from an early stage grassroots exploration licence at a cost of A\$3 million.

#### **4. Central Energy JV**

Globe has agreed with its former joint venture partner, Central Energy, to terminate their joint venture agreement. Globe retains no interest in the tenements, and has no residual obligations to Central Energy.

#### **About Globe Metals & Mining**

Globe Metals & Mining is an African-focused uranium and specialty metals resource company. Its main focus is the multi-commodity (niobium, uranium, tantalum and zircon) Kanyika Project in central Malawi, which contains a 56Mt inferred JORC resource, announced in March 2008. A Pre-Feasibility Study was commissioned in September 2008. Production is scheduled to commence in 2011.

Globe has a number of uranium and other projects in Malawi, which it manages from its regional exploration office in Lilongwe, the capital of Malawi. The Company has been listed on the ASX since December 2005 (Code: GBE), and has its corporate head office in Perth, Australia.

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**Competent Persons:** *The contents of this report relating to geology and exploration results are based on information compiled by Dr. Julian Stephens, Member of the Australian Institute of Geoscientists and Exploration Manager for Globe Metals & Mining. Dr Stephens 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.*