



## TENGE/RUONI CONTINUES TO DELIVER

28<sup>th</sup> SEPTEMBER 2011

Baobab Resources Plc ('Baobab' or the 'Company') is an iron ore, base and precious metals explorer with a portfolio of exploration projects in Mozambique. The Company is pleased to present an update of activities at the Massamba Group iron / vanadium / titanium project where a 160Mt resource upgrade was announced on 30 August 2011, the first of three resource statement updates expected before the end of 2011. The Company continues to target a resource base of 300Mt of iron ore by the end of 2011.

### HIGHLIGHTS

- Further positive results returned from the latest round of Ruoni North analytical data are consistent with those announced previously.
- Significant drill intercepts, up to 95m in length, report an average head grade of 33% Fe with saleable DTR concentrate grades averaging 59% Fe, 0.8% V<sub>2</sub>O<sub>5</sub> and 12% TiO<sub>2</sub> at a mass recovery of 39%.
- Consultant, Coffey Mining Pty Ltd, has commenced geological modelling of the Chitongue Grande Expansion area and the Ruoni North and Ruoni South blocks in preparation for resource statements scheduled for release in October / November 2011.

**Commenting today, Ben James, Baobab's Managing Director, said:** *"The latest round of results confirms the robust continuity of mineralisation at the Ruoni North prospect. The Company looks forward to releasing further results from Ruoni North and South in the lead up to their respective resource statements."*

### Resource Drilling: Tenge/Ruoni Prospect

Tenge/Ruoni is the easternmost prospect area of the Massamba Group. Drilling at Tenge/Ruoni is progressing rapidly and has intersected a heavily mineralised package varying in thickness from 60m to 150m. Mineralisation has been synformally folded with the fold hinge plunging gently to the west-northwest. Exploration campaigns in the prospect area have been divided into three resource blocks:

- Ruoni North: representing 1km of strike along the northern limb of the fold. Thirty reverse circulation (RC) and diamond holes have been completed to date across seven traverses for an aggregate total of 5,750m. Drilling has intersected a substantial package of mineralisation from surface dipping at 25° to 50° to the southwest.
- Ruoni South: representing 1.2km of strike along the southern limb of the fold. Twenty seven RC and diamond holes have been completed for an aggregate total of 5,200m. Mineralisation in the Ruoni South area is generally steeper dipping (c.65° to the north).
- Tenge: representing the hinge zone of the fold and covering a strike length of approximately 1.3km. A drilling programme of approximately 3,000m has commenced.

Consultant, Coffey Mining Pty Ltd, has commenced preliminary data validation and geological modelling of the Ruoni North and Ruoni South blocks in preparation for resource statements scheduled for release in October / November 2011.

Analytical results for RC holes RNRC0001 to 5 were announced on 7 September 2011. Further results from holes RNRC0007 to RNRC0012, 14 and 17, drilled over three cross sections spaced between 120m and 180m apart at Ruoni North, have been returned. Sample preparation at 1m composite intervals was completed by ACT-UIS laboratories in Tete, Mozambique prior to despatch to ALS Chemex laboratories in Perth, Western Australia for further compositing (maximum composite length of 6m), Davis Tube Recovery (DTR) and X-ray Fluorescence Spectrometry (XRF) analysis.

Drill hole collar details and significant intercepts are tabulated below. The results are in line with those announced previously and demonstrate an overall improvement in Fe head grades and mass recoveries. The average Fe concentrate grade is lower and V2O5 and TiO2 higher than reported in the

other Massamba group resource blocks, but remains within a typical saleable range for titanomagnetite concentrate. Metallurgical test work is on-going to determine the best grind fraction/magnetic strength conditions to optimise the concentrate quality. Baobab will also be conducting studies into blending the various concentrate streams to further enhance the finished product.

HOLEID	Depth From (m)	Depth To (m)	Length (m)	Fe Head (%)	Mass Recovery (%)	Davis Tube Recovery (DTR) Product						
						Fe Conc (%)	V2O5 Conc (%)	TiO2 Conc (%)	Al2O3 Conc (%)	P Conc (%)	S Conc (%)	SiO2 Conc (%)
RNRC007	19	53	34	33.0	40.1	58.0	0.83	12.9	3.8	<0.001	0.03	0.72
RNRC007	81	113	32	44.9	62.6	58.2	0.76	13.6	2.9	<0.001	0.12	0.33
RNRC008	103	114	11	29.9	33.4	60.5	0.90	9.9	3.2	<0.001	0.08	0.85
RNRC008	137	151	14	25.2	27.5	58.1	0.81	13.0	3.2	<0.001	0.13	0.77
RNRC009	120	156	36	36.7	49.1	57.1	0.79	13.8	3.6	<0.001	0.10	0.97
RNRC009	170	192	22	28.3	44.2	56.7	0.76	14.2	3.9	<0.001	0.14	1.20
RNRC010	46	102	56	39.2	50.4	58.6	0.79	12.6	3.0	<0.001	0.13	0.51
RNRC011	101	153	52	33.8	37.3	59.5	0.89	10.3	3.4	<0.001	0.12	0.87
RNRC012	0	76	76	31.6	32.1	60.4	0.91	8.7	3.3	<0.001	0.09	0.63
RNRC014	131	226	95	29.1	36.7	57.3	0.76	14.1	3.2	<0.001	0.15	0.77
RNRC017	136	200	64	26.6	26.5	60.0	0.93	8.9	3.7	<0.001	0.17	1.63

HOLEID	TOTAL DEPTH (m)	EAST (m)	NORTH (m)	RL (m)	AZIMUTH (Deg)	DIP (Deg)
RNRC007	140	582162	8262362	320	58	-60
RNRC008	197	582082	8262306	312	58	-60
RNRC009	204	581994	8262253	310	58	-60
RNRC010	149	582068	8262440	304	35	-60
RNRC011	193	582011	8262357	308	35	-60
RNRC012	168	581968	8262522	302	35	-60
RNRC014	246	581956	8262274	310	35	-60
RNRC017	210	581726	8262412	306	35	-60

#### **Tete Project Overview: located in Africa's emerging mining & industrial hub**

The Tete Project, covering an area of 632km<sup>2</sup>, is located immediately north of the provincial capital of Tete and shares licence boundaries with Vale and Rio Tinto's mega coal projects. The project is strategically located to access abundant, low tariff hydro-electric power from existing and developing schemes on the Zambezi River. The ports of Beira and Nacala are being refurbished, as are the rail corridors through to Tete.

The project contains two areas of titanomagnetite / ilmenite mineralisation; the Singore area to the south and the Massamba Group trend in the north. The Massamba Group is composed of a series of five prospects (Chitongue Grande, Pequeno, Caangua, Chimbala and South Zone) forming an 8km long trend and the 3.5km long Tenge / Ruoni prospect to the east.

Baobab has entered into a strategic partnership with International Finance Corporation (IFC), the commercial arm of the World Bank, at both the corporate and project equity levels.

#### **Tete Exploration Summary: resource base fast approaching targeted 300Mt**

The Company commenced exploration initiatives in mid 2008 and has focused its efforts to date on the Massamba Group area. The Singore area remains largely untested, but highly prospective.

Work completed by the Company during 2009 culminated in the estimation of a 47.7mt maiden Inferred Mineral Resource over a 500m portion of the Chitongue Grande prospect and a 400mt to 700mt Exploration Target over the broader Massamba Group area.

Independent scoping metallurgical studies and financial modelling completed in 2009 indicate positive project economics in the production of high quality titano-magnetite/vanadium and ilmenite (titanium) concentrate commodities from a resource base of 300Mt.

A scout drilling programme, designed to assess the Chimbala and South Zone prospects of the Massamba Group trend, has been completed during 2010 for an aggregate total of approximately 7,500m. The purpose of the campaign has been two-fold: to improve confidence in the Company's Exploration Target and to clarify geological domains for continued metallurgical test-work.

South Zone was prioritised for resource drilling and the Company announced an 113Mt JORC Inferred Mineral Resource on 30 August 2011. The resource remains open at depth and along strike.

As well as completing the resource drilling at South Zone and Tenge/Ruoni, an expansion resource drilling campaign at Chitongue Grande has been completed with thirty six RC holes drilled for an aggregate total of 6,275m. Down dip and along strike projections of the existing resource have been intersected. All samples have arrived at the ALS laboratory in Australia. Consultant, Coffey Mining Pty Ltd, has commenced preliminary data validation and geological modelling in preparation for a resource update scheduled for release in October / November 2011.

*The information in this release that relates to Exploration Results is based on information compiled by Managing Director Ben James (BSc). Mr James is a Member of the Australasian Institute of Mining and Metallurgy, is a Competent Person as defined in the Australasian Code for Reporting of exploration results and Mineral Resources and Ore Reserves, and consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.*

**A COPY OF THIS ANNOUNCEMENT, INCLUDING ISOMETRIC VIEWS OF THE PROSPECT GEOPHYSICS & GEOLOGICAL MODEL, IS AVAILABLE FOR DOWNLOAD FROM THE COMPANY'S NEW WEBSITE: [www.baobabresources.com](http://www.baobabresources.com)**

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