



## **ASX Announcement**

**27<sup>th</sup> April 2012**

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**BrightStar Resources Limited**  
is listed on the ASX with the  
symbol:  
Shares "BUT".  
Options "BUTO"

# **Quarterly Activities Report For the Period Ended 31 March 2012**

## **Highlights**

- **Final Results Received from Miyabi RC holes**
  - Resource grade intersections (previously reported) include:
    - MBRC310 9m at 1.45g/t Au from 28
    - MBRC312 2m at 1.83g/t Au from 53m
    - MBRC318 2m at 5.4g/t Au from 81m
    - MBRC321 4m at 1.78g/t Au from 31m
    - MBRC324 5m at 1.34g/t Au from 1m  
(it is interpreted that down hole width approximates true thickness)
  - Follow-up RC drilling planned for June 2012.
- **Preliminary Work Commences at Kitongo**
  - Preliminary field work commenced at Kitongo with identification and survey of historical drill collars;
  - Temporary Kitongo camp established in Buhunda Village near the Main Zone deposit;
  - Initial 3,000m RC drilling program now planned for May.
  - Holes planned to extend the existing 370,000oz Resource
- **Drilling Rig Arrives in Mwanza**
  - Ausdrill rigs contracted to BrightStar arrived in Mwanza in early April after shipping delays. Expected commencement is early May.
- **Cash reserves of \$1.225 million**
  - Includes \$0.5M received on 20<sup>th</sup> January 2012 from sale of Challenger Project.
- **Merger with Rift Valley Resources**
  - Merger with Rift Valley Resources Limited proceeding with Scheme booklet lodged with ASIC;
  - Refer to ASX release dated 23<sup>rd</sup> January 2012 for full details of the proposed merger.

# Miyabi Gold Project (BrightStar earning 75%)

## Overview

- 520,000oz gold resource with excellent potential for depth and strike extensions
- New prospects defined by 2011 BrightStar drilling
- BrightStar earning 50% with \$3M spend on exploration by October 2013 and 75% by completing BFS;

The Miyabi Project is located approximately 200km southwest of Mwanza in the Lake Victoria Goldfields of Tanzania. The current Indicated and Inferred Mineral Resource at the project is 12.4Mt at 1.3g/t Au for 520,000oz.

In April 2011, BrightStar entered into a joint venture with UK listed African Eagle Resources where BrightStar may earn a 75% interest in the project by sole funding exploration and completing a Bankable Feasibility Study.

BrightStar's RAB and RC drilling in 2011 has defined extensive gold mineralisation with compelling targets to be followed up in 2012. The deposits, main prospects and completed drilling are shown in Figure 1.

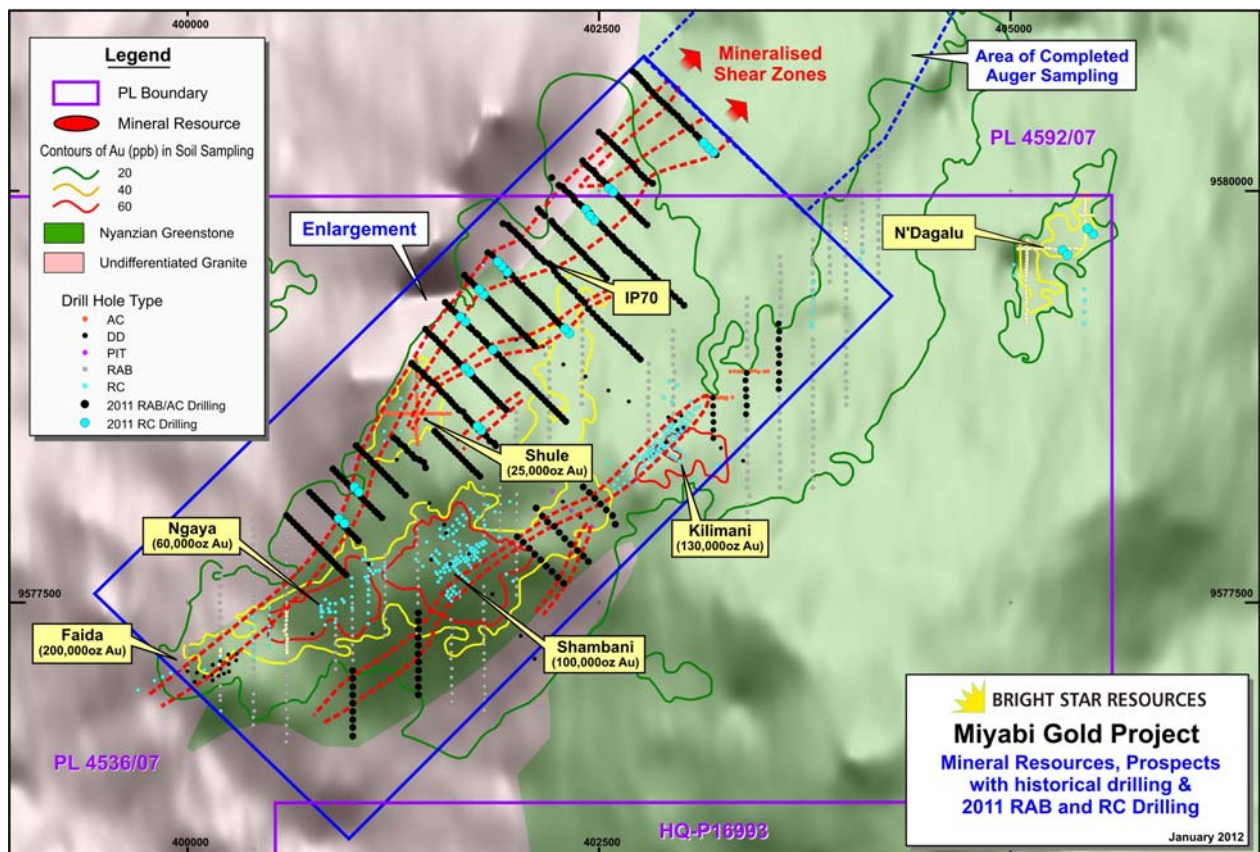


Figure 1: Miyabi Structural Corridor Deposits, Prospects and BrightStar Drilling

## **Merger with Rift Valley Resources**

The merger with Rift Valley Resources is proceeding with the Scheme booklet being lodged with ASIC on 2 April 2012. The next phase of the process includes:

- The scheme booklet will be lodged with the courts to obtain an order of the Court approving the convening of the scheme meeting, then
- The scheme meetings will be scheduled and Rift Valley will seek shareholder approval for the merger.

## **Miyabi March Quarter Activities**

Final results were received for samples from the 2011 RC drilling program. These confirm broad zones of gold mineralisation adjacent to the granite/greenstone contact with a structural setting and geometry identical to the 200,000oz Faida deposit along strike to the west.

Resource grade intersections (previously reported) include:

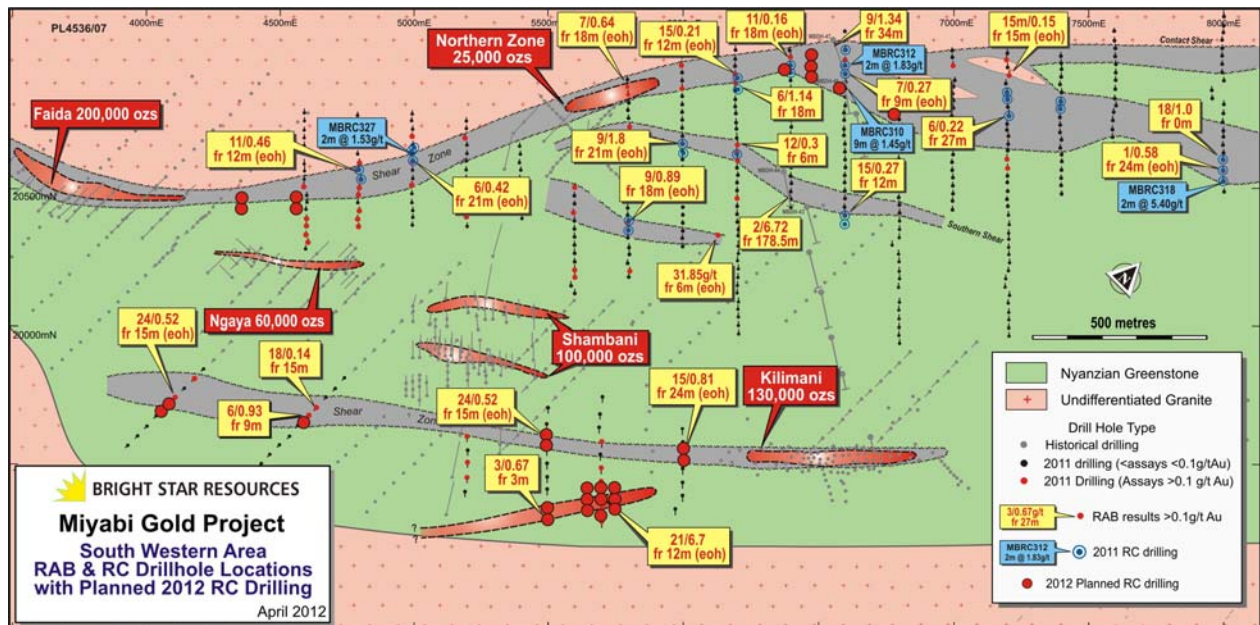
- MBRC310 9m at 1.45g/t Au from 28
- MBRC312 2m at 1.83g/t Au from 53m
- MBRC318 2m at 5.4g/t Au from 81m
- MBRC321 4m at 1.78g/t Au from 31m
- MBRC324 5m at 1.34g/t Au from 1m

(it is interpreted that down hole width approximates true thickness)

- Drilling intersected broad zones of gold mineralisation in sheared and brecciated greenstone lithologies. The broad mineralised zones included intersections such as 71m at 0.22g/t Au from 13m and 48m at 0.22g/t Au from 18m;
- Results continue to confirm the potential of the project to host additional gold Mineral Resources;
- Follow-up drilling to take place in June Quarter.
- Auger sampling program completed with results demonstrating two zones of gold anomalism requiring follow-up.

## **Planned Drilling**

A preliminary RC program has been planned to follow up the better intersections from 2011. These include the RAB hole MBRB838 which intersected 21m at 6.7g/t Au from 21m as well as encouraging RC intersections within the Contact Zone corridor east of Faida and at the IP70 prospect. Planned hole locations are shown in Figure 2.



**Figure 2: 2011 Drilling Results and Interpreted Structures**

The commencement of drilling is dependent on cessation of rains expected during the wet season. It is expected that the drilling will commence in June.

### Joint Venture Agreement

The key terms of the Miyabi joint venture are summarised as follows:

- BrightStar to spend US\$3.0 million by 24 October 2013 (30 months) to earn a 50% interest in the Miyabi Project (Phase 1 of the Earning Period). A minimum expenditure of US\$1.0 million was required by 24 April 2012 and has already been completed.
- BrightStar may elect to earn a further 25% interest by completing a Feasibility Study for the Project (Phase 2 of the Earning Period).
- A royalty of 1.5% of gross revenue is payable to local Tanzanian interests which were the original holders of the Prospecting Licences.

### Mineral Resources

A summary of the SRK Mineral Resource estimate at a 0.5g/t Au cut-off is shown below.

**Miyabi Mineral Resource Estimate 0.5g/t Au Cut-off (SRK Estimate 2006)**

Deposit	Indicated			Inferred			Total Resource		
	Mt	g/t	Moz	Mt	g/t	Moz	Mt	g/t	Moz
Faida	3.5	1.5	0.17	1.0	0.9	0.03	4.4	1.4	0.20
Ngaya	0.2	1.0	0.01	1.5	1.1	0.05	1.7	1.1	0.06
Shambani	1.6	1.5	0.07	0.8	1.1	0.03	2.4	1.3	0.10
Kilimani	2.6	1.4	0.12	0.3	1.6	0.01	2.9	1.4	0.13
Northern Zone				1.0	0.8	0.02	1.0	0.8	0.02
<b>Total</b>	<b>7.9</b>	<b>1.5</b>	<b>0.37</b>	<b>4.5</b>	<b>1.0</b>	<b>0.15</b>	<b>12.4</b>	<b>1.3</b>	<b>0.52</b>

\*Rounding errors may occur

# **Kitongo Gold Project (100% BrightStar)**

## **Overview**

- 370,000oz gold resource with excellent potential for depth and strike extensions;
- High grade prospects defined by RC and RAB drilling;
- Exciting regional exploration opportunities;
- Removal of illegal miners allowed preliminary site work to commence in March Quarter;
- Drilling planned to commence in May.

The Kitongo Project is located in the Lake Victoria Goldfields region of Tanzania, 90km south of the mining service centre of Mwanza.

Previous work at the project had led to the delineation of a substantial Mineral Resource of 370,000oz (0.5g/t Au cut-off). The deposit remains open at depth and along strike.

Compelling drill targets have been identified at the project including the partially tested extensions to the 370,000 ounce Main Zone deposit. The geology, prospects and drilling at the deposit are shown in Figure 2.

## **Illegal Mining Operations Ended**

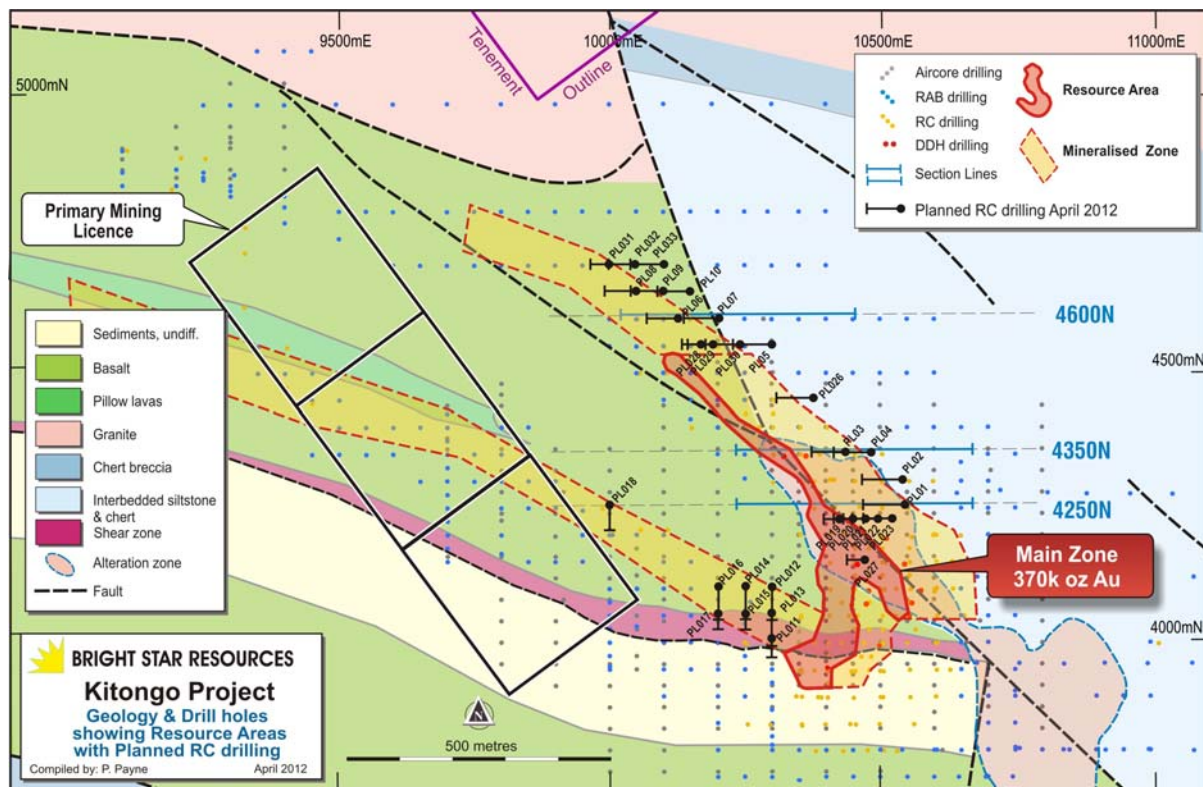
The outcropping nature of the deposit attracted a substantial number of illegal, small scale miners to the site. Illegal mining operations had been carried out at the Kitongo project for several years and ended on 16 January when the miners were peacefully removed by government authorities.

As a strategy to improve relations between BrightStar and the affected miners, the government has directed BrightStar to provide an alternative area for artisanal mining on the company's tenements. The area selected by BrightStar lies 18km south east of the Main Zone deposit and is currently being assessed by the Geological Survey of Tanzania. The Minister for Energy and Minerals has advised that this process should have been completed in early April but will now be completed by early May.

## **Planned Drilling**

A 3,300m program has been designed to test immediate extensions to the Northern Shear of Main Zone deposit. The Northern Shear is a strongly mineralised structure with a demonstrated length of at least 800m and remains strongly open to the north. The majority of historic intersections lie within 80m of surface.

The planned drilling program is shown in Figure 3. The planned holes will test down dip and along strike of the current resource limits and will follow-up intersections such as 13m at 6.98g/t Au from 53m in KTRC140 and 31m at 2.23g/t Au from 63m in KTRC107.



**Figure 3: Kitongo Main Zone Deposit Area Showing Historic and Planned Drilling**

## Mineral Resources

A summary of the 2006 Hellman and Schofield Mineral Resource estimate at 1.0g/t Au and 0.5g/t Au cut-offs is shown below.

### Kitongo Gold Project 2006 Inferred Mineral Resource

Type	1.0g/t Au Cut-off			0.5g/t Au Cut-off		
	Mt	g/t	Moz	Mt	g/t	Moz
Laterite	0.4	2.1	0.03	0.8	1.3	0.04
Highly Ox	2.4	2.2	0.17	3.8	1.7	0.21
Moderately Ox	0.4	2.0	0.03	0.7	1.5	0.04
Fresh	1.2	1.7	0.07	2.5	1.2	0.09
<b>Total</b>	<b>4.4</b>	<b>2.0</b>	<b>0.29</b>	<b>7.8</b>	<b>1.5</b>	<b>0.37</b>

\*Rounding errors may occur

# Miclere Gold Project, Queensland (100% BrightStar)

The Miclere Project is located approximately 30km northwest of Clermont in Central Queensland. It is centred on the historic Miclere, Black Ridge and Springs Goldfields from which some 100,000 ounces of gold has been previously mined. The Miclere Project consists of 17 granted Mining Leases (ML) and two Exploration Permits for Minerals (EPM).

There is demonstrated potential for large scale placer type gold mineralisation at the project. The Project is also considered prospective for hard rock gold and base metal mineralisation. BrightStar plans to divest the project to concentrate on its more advanced gold projects in Tanzania.

A review and compilation of available data is underway as the first stage of the project evaluation.

## Competent Person Statement

The information in this report that relates to Mineral Resources and exploration results is based on information compiled by Mr Paul Payne, a director and full time employee of BrightStar and a Member of The Australasian Institute of Mining and Metallurgy. Mr Payne 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 Payne consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Table 1: RC Intersections > 0.5g/t Au from 2011 BrightStar Drilling

Collar Location and Orientation (local grid)								Intersection > 0.5ppm Au			
Hole	Type	X	Y	Z	Total Depth	Dip	Azimuth	From (m)	To (m)	Length (m)	Au (ppm)
MBRC312	RC	6,601	21,000	1,190	76	-55	0	53	55	2	1.83
MBRC314	RC	7,199	20,800	1,172	84	-55	0	51	54	3	0.68
MBRC316	RC	7,401	20,837	1,168	80	-55	0	25	27	2	1.40
MBRC318	RC	8,001	20,538	1,165	94	-55	0	81	83	2	5.40
MBRC319	RC	7,999	20,579	1,165	81	-55	0	71	72	1	1.12
MBRC321	RC	9,099	18,600	1,190	80	-55	0	3	4	1	1.19
MBRC321	RC	9,099	18,600	1,190	80	-55	0	31	35	4	1.78
MBRC326	RC	5,005	20,644	1,215	80	-55	0	65	66	1	3.96
MBRC326	RC	5,005	20,644	1,215	80	-55	0	20	21	1	1.73
MBRC327	RC	5,000	20,603	1,215	90	-55	0	44	46	2	1.54
MBRC327	RC	5,000	20,603	1,215	90	-55	0	64	65	1	1.22
MBRC328	RC	4,799	20,576	1,207	82	-55	0	41	44	3	0.99
MBRC328	RC	4,799	20,576	1,207	82	-55	0	31	35	4	0.88
MBRC329	RC	4,802	20,530	1,207	103	-55	0	66	69	3	0.97

- All RC samples analysed in 1m samples
- Sampling carried out using a cyclone and riffle splitter at 1m intervals
- Sample preparation at ALS Global in Mwanza, Tanzania
- Gold analysis using 50g Fire Assay (RC) carried out by OMAC Laboratories in Ireland
- QAQC samples submitted routinely with excellent results
- Holes located by GPS then transformed to local grid coordinates
- Intersections are generally interpreted to represent true width.