

# ASX/Media Release

13 June 2012

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# New High Grade Gold Discovery at 520,000oz Miyabi Gold Project

BrightStar Resources Limited ("BrightStar" or "Company") is pleased to announce that it has discovered a new zone of high grade gold mineralisation in its Stage 2 Reverse Circulation (RC) drilling at the Miyabi Gold Project.

#### **Highlights**

- Results have been received for the first six holes at the recently discovered Dalafuma Prospect;
- Results include:
  - MBRC330 6m at 4.1g/t Au from 75m
  - MBRC331 18m at 18.3g/t Au from 45m (including 6m at 39.8g/t from 48m)
  - MBRC332 6m at 2.7g/t Au from 12m
  - MBRC334 9m at 2.9g/t Au from 15m

(True width is interpreted to be approximately 70% of down hole width)

- Drilling defines continuity to the intersection of 21m at 6.07g/t Au in MBRB838 completed in 2011;
- Zone is open along strike and down dip and is interpreted to extend to within 5m of surface;
- Drill rig remains on-site and follow-up drilling has commenced.

The drilling was part of the initial follow-up of targets generated from the 2011 RAB and RC drilling at Miyabi. The new discovery has been named the Dalafuma Prospect and was initially identified by the high grade intersection of 21m at 6.7g/t Au from 21m in MBRB838 which was drilled by BrightStar in 2011.

BrightStar Technical Director Mr Paul Payne said "These outstanding results confirm that the Dalafuma Prospect has the potential to host a substantial, high grade gold deposit. The high grade zone is open along strike and down dip and we have planned follow-up drilling to commence immediately."

These initial results suggest that this prospect has excellent potential to host a substantial new high grade gold deposit additional to the 520,000oz already reported at the project.

## **Dalafuma Prospect**

The Dalafuma Prospect lies near the southern margin of the Miyabi Structural Corridor (MSC) which hosts the previously defined gold deposits at Miyabi. The geology of the prospect comprises mafic schists and is bounded to the south by a structurally emplaced granodiorite body (Figure 1). The mineralisation occurs within quartz veining and silicification associated with a strong shear zone. Weathering is deep and extends to >100m in some of the holes.

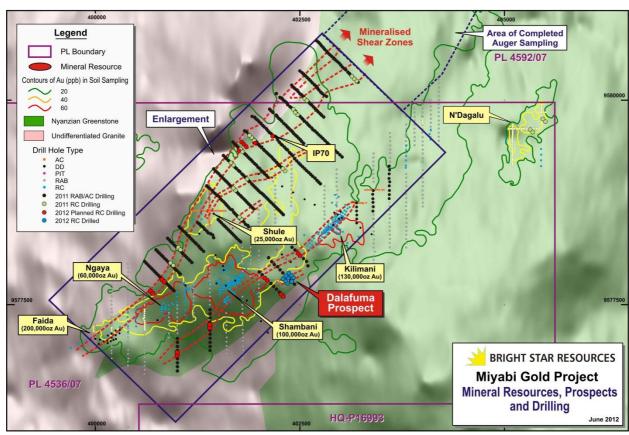


Figure 1: Dalafuma Prospect Area with Drilling

The area tested to date shows that an extensive blanket of ferricrete or laterite up to 11m thick overlies the weathered bedrock. The barren nature of the ferricrete suggests that it is transported and rendered the previous soil sampling ineffective. This observation indicates that large areas of the Miyabi Project remain essentially unexplored, where structural trends with the greenstone rocks have the potential for the development of substantial gold mineralisation.

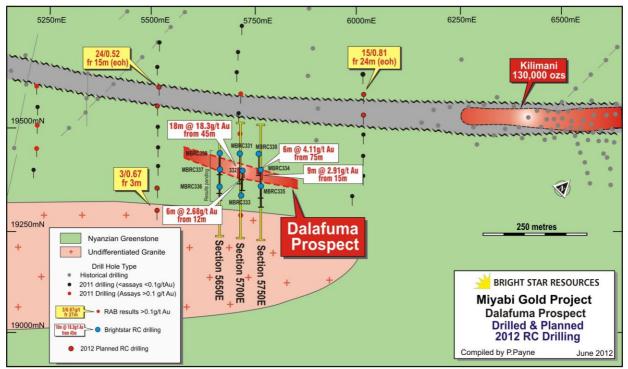


Figure 2: Dalafuma Prospect Area with Drilling

BrightStar's 2011 drilling included 200m to 300m spaced RAB sections covering the southern portion of the MSC, south-east of the line of mineralisation hosting the Kilimani, Shambani and Faida gold deposits. The Dalafuma prospect was discovered on section 5700E by a single RAB intersection of 21m at 6.7g/t Au from 21m in MBRB838. The initial follow-up comprised 9 RC holes at 40m spacings on three 50m spaced cross sections (Figure 2). Results have been received from 6 holes and include:

- MBRC330 6m at 4.1g/t Au from 75m
- MRC331 18m at 18.3g/t Au from 45m (including 6m at 39.8g/t from 48m)
- MBRC332 6m at 2.7g/t Au from 12m
- MBRC334 9m at 2.9g/t Au from 15m

(True width is interpreted to be approximately 70% of down hole width)

The gold is hosted within a sub-vertical zone of quartz veining and shearing. The high grade intersection in MBRC331 is adjacent to the high grade RAB intersection in MBRB838. This suggests that there is repeatability to the high grade mineralisation and extension drilling is planned to further define the zone.

A zone of shearing and quartz veining intersected 50m west of MBRC331 in MBRC338 on section 5650E is interpreted to represent the western extension of the structure. Results are awaited for MBRC338.

Cross sections 5750E and 5700E are shown in Figures 3 and 4. Results have not yet been received from the three holes on section 5650E.

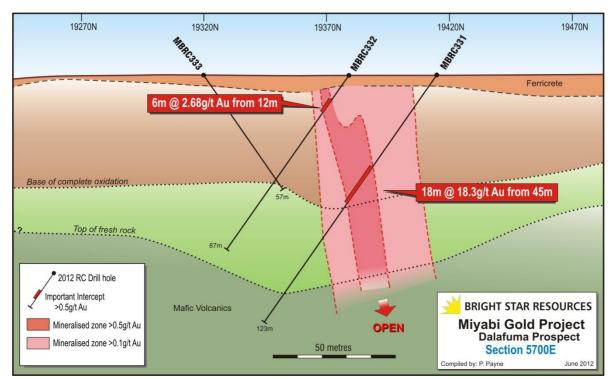


Figure 3: Dalafuma Cross Section 5700E

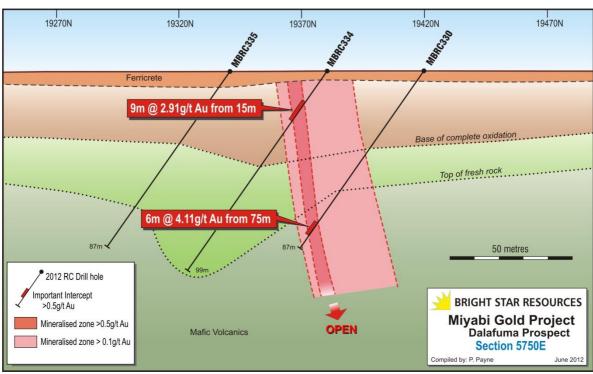


Figure 4: Dalafuma Cross Section 5750E

#### **Drilling, Sampling and Results**

Drilling has been carried out by Ausdrill Tanzania using a track mounted Sandvik multi-purpose rig. Holes completed to date have been drilled with a 4½" bit. Sample recovery has been good and all holes have remained dry during drilling.

Drilling has been initially sampled in 3m composites. Samples were collected in 1m intervals from the rig cyclone and passed through a riffle splitter. A scoop sample was taken from the 1m intervals to form the 3m composite of approximately 2kg which was submitted to the SGS laboratory in Mwanza, Tanzania for sample preparation and a 50g fire assay for gold. For each metre, a 2kg sample was also collected and stored on site. For any intervals with anomalous 3m composite samples, the 1m samples will be selected and assayed.

A detailed listing of all intersections >0.5g/t is included in Table 1.

Table 1: List of 2012 BrightStar RC Drilling Results

Collar Location and Orientation (local grid)								Intersections > 0.5ppm Au				
Hole	Туре	х	Υ	Z	Total Depth	Dip	Az	From (m)	To (m)	Length (m)	Au g/t	
MBRC330	RC	5,746	19,420	1,200	87	-55	135	75	81	6	4.11	
MBRC331	RC	5,700	19,415	1,200	123	-55	135	45	63	18	18.34	
						including		48	54	6	39.8	
MBRC332	RC	5,704	19,379	1,200	87	-55	135	12	18	6	2.68	
MBRC333	RC	5,700	19,320	1,200	57	-55	315	No assays > 0.5g/t Au				
MBRC334	RC	5,750	19,380	1,200	99	-55	135	15	24	9	2.91	
MBRC335	RC	5,750	19,340	1,200	87	-55	135	No assays > 0.5g/t Au				

- Samples analysed as 3m composites
- Sampling carried out using a cyclone and riffle splitter
- Sample preparation and gold analysis using 50g fire assay carried out by SGS Laboratories in Mwanza, Tanzania
- QAQC samples submitted routinely with good results
- Holes located by GPS then transformed to local grid coordinates
- True width is approximately 70% of down hole width.

## **Ongoing Drilling**

The Ausdrill rig remains at Miyabi and is achieving excellent production rates. Further holes at the Dalafuma Prospect have been planned and will commence immediately. BrightStar has negotiated rapid assay turnaround from the SGS laboratory in Mwanza, Tanzania. It is anticipated that there will be generally 10-14 days turnaround at SGS which will allow further follow-up to be planned before the rig leaves site.

## Miyabi Joint Venture

The Miyabi project is a Joint Venture with UK based African Eagle Resources plc ("African Eagle") where BrightStar may earn up to 75% of the Miyabi Project in Tanzania.

The Miyabi Project is located in the Lake Victoria Gold Field of Tanzania, some 150km southwest of BrightStar's 100% owned Kitongo Gold Project.

#### **Mineral Resources**

A summary of the Mineral Resource estimates for Kitongo at 0.5g/t and 1.0g/t cut-offs and Miyabi at a 0.5g/t Au cut-off is shown below.

# Kitongo Gold Project 2006 Inferred Mineral Resource

Tyme	1	.0g/t Au Cut-	off	0.	5g/t Au Cut-	off
Type	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
Total	4.4	2.0	0.29	7.8	1.5	0.37

<sup>\*</sup>Rounding errors may occur

## Miyabi Mineral Resource Estimate 0.5g/t Au Cut-off

Donasit	Indicated			Inferred			Total Resource		
Deposit	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
Total	7.9	1.5	0.37	4.5	1.0	0.15	12.4	1.3	0.52

<sup>\*</sup>Rounding errors may occur

## For further information, please contact:

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## **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.