



## 30 JUNE 2013 QUARTERLY REPORT

### HIGHLIGHTS

#### Golden Hill Project – Burkina Faso (BOE 100%)

- Infill and strike extension trenching at the Ma East Prospect returned significant broad intercepts from all 3 trenches excavated, including:
  - 36m @ 1.3g/t Au (ending in mineralisation) including 15m @ 2.7g/t Au (METR001)
  - 21m @ 1.0g/t Au including 9m @ 1.7g/t Au (METR002)
  - 11m @ 1.4g/t Au including 6m @ 2.1g/t Au (METR003)
- Gold mineralisation at Ma East has been extended over 200 metres to the NW of previous drilling
- Trench results confirm the interpreted 4 kilometres of continuous gold mineralisation along the Ma Shear Zone
- Gold mineralisation at Ma East is associated with sheared quartz veined altered basalt and felsic dykes hosting grades up to 6g/t Au in rock chip samples
- Rock chip samples collected during regional and detailed prospect mapping included significant gold results including 48.8g/t Au from C Zone, 26.8g/t from newly identified prospect 4km west of the A Zone, and 3.4g/t from artisanal workings at the Ma Prospect

#### Gourma Project – Burkina Faso (BOE 100%)

- Six parallel zones of gold mineralisation at Foutouri remain open along strike and require trenching and additional drill testing
- Two coherent +20ppb gold in soil anomalies, one >5 kilometre strike at Bongori and one >4 kilometre strike at Foutouri, require trenching

#### Corporate

- Resignation of Manager Director, Leigh Ryan
- Measures underway to reduce administration expenses in light of current market conditions

ASX Code: BOE

#### Fast Facts:

Shares on Issue	390,373,182
Unlisted Options (various ex. prices / expiry dates):	76,400,001
Market Capitalisation (undiluted at \$0.018)	\$7m
Cash @ 30 June 2013	\$1.7m
Debt	Nil

#### Directors:

Mr Evan Cranston  
Mr Thomas Gladwin-Grove  
Ms Oonagh Malone

#### Projects:

##### Boss Gold Sarl

- Prospective gold projects in Burkina Faso

##### Latrobe Oil Share Project

- Prospective oil shale project in Tasmania

##### Greenvale Mining NL

- Boss Resources holds 1.75 million shares in Greenvale Mining NL giving the Company a 3% interest in large oil shale projects in Queensland

#### Contact Details:

Suite 23, 513 Hay Street  
Subiaco WA 6008  
Tel: 08 6143 6730  
Fax: 08 9388 8824



## EXPLORATION

Exploration in Burkina Faso during the quarter included detailed prospect mapping, rock chip sampling, trenching, and diamond core relogging at the Golden Hill Project, and mapping, geological interpretation and rock chip sampling at the Gourma Project. No work was completed on the Tenkodogo Project.

### Golden Hill Project

#### Trenching

During the quarter 3 trenches totalling 172 metres were excavated by hand across the Ma Shear Zone at the Ma East Prospect within the Golden Hill Project (Fig. 1). The trenching program was designed to determine the orientation and grade of gold mineralisation at surface within the 4 kilometre long Ma gold anomaly. The trenches were excavated down to an average depth of 1.5 metres. Weathered bedrock (saprolite) was encountered in all trenches beneath 0.5-1 metres of residual soil cover.

Significant gold mineralisation was encountered within all 3 trenches. METR001 and METR002 returned 36m @ 1.3g/t Au EOT, and 21m @ 1.0g/t Au respectively. The mineralised intercepts correspond to stockwork quartz veining within altered basalt and felsic dykes. METR003 returned 11m @ 1.4g/t Au which corresponded to sheeted quartz veins within altered basalt. Four selective rock chip samples from within METR002 returned 6.4g/t, 5.1g/t, 4.7g/t and 2.0g/t Au. One selective sample from METR003 returned 2.87g/t Au.

The trench intercepts, combined with previous drill results, confirm continuous gold mineralisation over a 4 kilometre strike length of the Ma Shear Zone. The trench results indicate multiple lodes up to 50 metres wide.

Resource definition drilling is required along the entire length of the Ma Shear Zone, and at the numerous ore zones within the 6 kilometre long Intiedougou soil anomaly just 8 kilometres to the south of Ma.

A comprehensive review of data is being undertaken to identify further priority drill targets within the Company's Golden Hill Project. Boss has identified over 12 untested anomalies with follow up work expected to re-commence after the upcoming wet season subject to improved market sentiment to gold exploration in West Africa.

Trenching results from the Ma East Prospect include the following significant intercepts:

Table 1: Ma East Prospect significant trench channel sample results (all results >12 gram x metre)

Hole ID	Coordinates *		Dip (°)	Az * (°)	Length (m)	Intercept (m)			Grade (g/t Au)
	East (m)	North (m)				From	To	Width	
METR001	453081	1236770	0	27	42.3	6	42.3 EOT	36.3	1.31
incl.						16.5	31.5	<b>15</b>	<b>2.73</b>
METR002	453431	1236168	0	60	80	43	64	21	0.98
incl.						47.5	56.5	<b>9</b>	<b>1.68</b>
METR003	452888	1236975	0	60	49.5	13.5	24	10.5	1.44
incl.						18	24	<b>6</b>	<b>2.14</b>

\* WGS84 Zone 31N, 0.25g/t lower cut, max 3m internal waste, no upper cut, only >12 gram x metre intercepts reported



All intercepts are derived from individual 1 to 2 metre samples collected using a trench wall channel sampling system. Boss implements a rigorous quality control program with trenching. Samples were assayed using standard fire assay techniques.

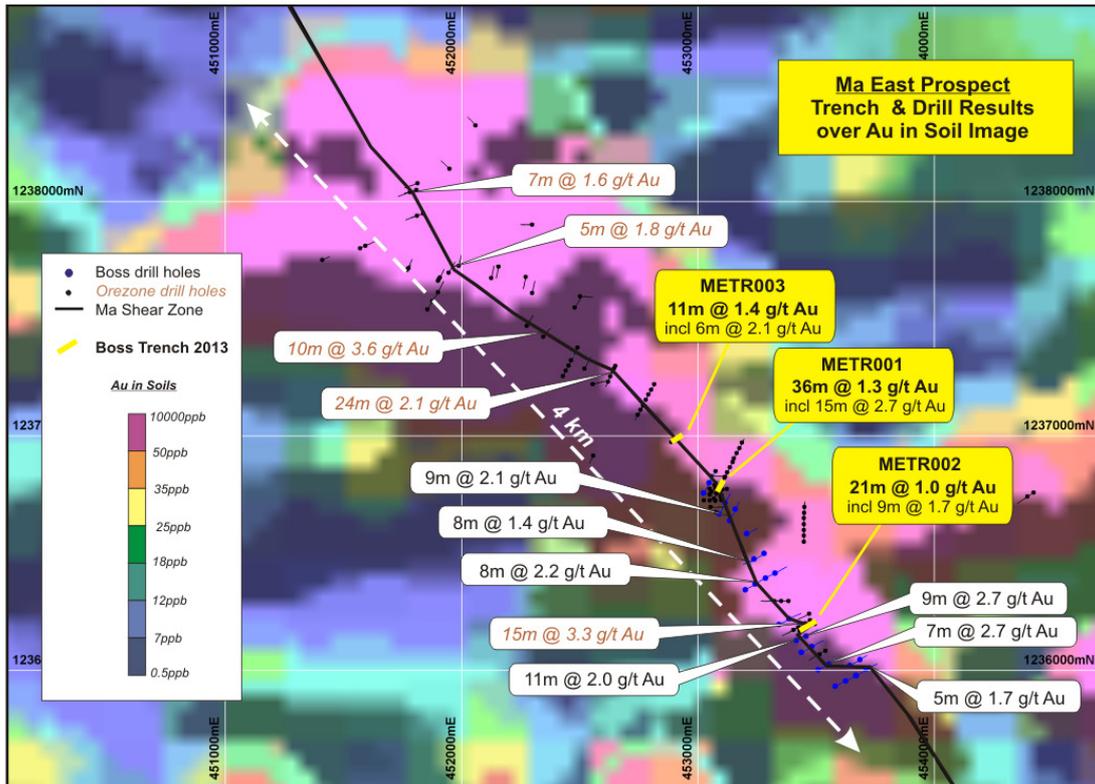


Figure 1: Ma Shear Zone previous drilling intercepts and current trenching intercepts over gold in soil image

### Detailed Mapping, Rock Chip Sampling and Diamond Core Re-logging

Detailed prospect mapping at Ma East, Ma, A Zone, B Zone, C Zone, Peksou and Nahirindio South were completed during the quarter. Fifty five rock chip samples were collected during the mapping exercise. Results included eleven assays  $>0.2\text{g/t Au}$ . Best results included  $48.8\text{g/t Au}$  from oxidised vein quartz within an active working at C Zone,  $2.6\text{g/t Au}$  from strongly sheared, bleached basalt from workings at Ma, and  $1.2\text{g/t Au}$  from sericite altered granite at Peksou.

Re-logging of five Orezone diamond drill holes (TKD001, TKD002, TKD003, TKD004 and TKD005) was also completed during the quarter. This included re-arranging of core boxes, replacing trays and re-assigning depth core blocks. No previous data for recovery, RQD or structural data was available, so a rudimentary recovery, RQD and fracture count was established. Orientation marks were not visible so only alpha angles for structural measurements were possible.

Results for the final 13 of the 40 rock chip samples collected during the 2012 regional soil sampling program were received during the quarter. Best results included  $26.8\text{g/t Au}$  from a sheared, slightly weathered basalt located 4 kilometre west of the A Zone, and  $3.4\text{g/t Au}$  from a quartz vein within altered basalt from an active working at Ma.



## Gourma Project

### Soil Sampling, Trenching, Mapping and Rock Chip Sampling

Assays for the final 274 infill soil samples collected from the Lotto and Tampora Prospects were received during the quarter. Results included a maximum of 809ppb Au from an area 1.8 kilometres SW of the Main Tampora workings.

Results for the final 10 of the 48 rock chip samples collected during field mapping last quarter included 1.6g/t Au and 1.0g/t Au from old workings at the Lotto prospect. Assays for the six rock chip samples collected from within the Diabatou prospect trench excavated during the last quarter included a maximum result of 8.1g/t Au.

Follow up trenching is planned across the Bongori and Foutouri prospect soil anomalies after the wet season.

## Latrobe Oil Shale Project - Tasmania

During the quarter extensive 3D modelling work was completed by Boss Resources on the existing drill data base. The Company received several approaches during the quarter about a possible divestment. To date, no definitive agreement has been reached and there is no assurance that one will be agreed. The Company will update shareholders regarding developments.

## CORPORATE

Subsequent to the quarter end, Mr Leigh Ryan resigned from his role of Managing Director. The Board thanks Mr Ryan for his hard work and commitment to the Company since his appointment in May 2011. Company Secretary, Oonagh Malone, has been appointed as Non-Executive Director with immediate effect to ensure compliance with Australian legal requirements. Ms Malone will act as Non-Executive Director whilst the Company searches for a suitable replacement.

In light of current market conditions, the Company has undertaken cost cutting measures to conserve the current cash at bank. The Company is in a sound financial position with approximately \$1.7 million cash at bank.

For further information please contact:

**Evan Cranston     Director:                    +61 (0) 408 865 838**

*Boss Resources Limited is a gold and oil shale exploration company focussed on increasing shareholder and other stakeholder wealth by exploring for and developing quality mineral resources. Evaluation and acquisition of additional highly prospective exploration projects in West Africa, especially in Burkina Faso, and the development of an oil shale processing facility in Tasmania is seen as critical to the growth of the company.*

*The information in this report that relates to exploration results is based on information compiled by Mr Leigh Ryan, who was employed as the Company's Managing Director and who is a member of the Australian Institute of Geoscientists. Mr Ryan has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity 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 Ryan consents to the inclusion in the report of the matters based on information in the form and context in which it appears.*