



### **Investor Presentation**

West African gold focus Building on proven success January 2012

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Information in this documentation that relates to Mineral Resources is based on information compiled by Miss T L Burrows, who is a Member of the Australian Institute of Geoscientists and is a full-time employee of AMC Consultants Pty Ltd. Miss Burrows has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity, which she 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". Miss Burrows consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.



# **Investment Highlights**

### Well positioned in a key region of West Africa's Birimian Belt

- Kenieba Inlier 50M ounce gold endowment
- 80km strike of major crustal shear zone
- Senegal politically stable and pro mining
- Gold discovery at Makabingui Project 543,000 ounces
  - 10.8 Mt @ 1.6g/t Au (0.2g/t cut-off) Indicated and Inferred
  - Gold resource is part of a much larger mineralised system
  - Substantial growth potential
- New Gold Discovery at Konkouto Prospect (50m @ 2.5g/t Au)
- Strong potential for significant new gold discoveries with 13 prospects identified
- Experienced Board & Management team



# Capital Structure – January 2012

Ordinary shares on issue:	352.6M	
Listed options:		
• \$0.20 expire 30 June 2012	19.5M	
• \$0.11 expire 30 November 2012	59.3M	
Director & Management options:	5.8M	
Number of shareholders:	1,758	
Top 20 shareholders:	32%	
Cash (as at 30 September 2011):	\$3.56M	
Market Capitalisation at \$0.05:	\$17.6M	



# **Board and Senior Management**

### **Board**

John Ballard – Non-Executive Director

+35 years experience – Corporate, project development, investment banking both international and domestic

#### Chris Young – Non-Executive Director

+40 years experience – Geologist, exploration and business development

#### Jozsef Patarica – Managing Director

+20 years experience – Management, project evaluation and exploration

### **Senior Management**

Ian Riley – CFO & Company Secretary

Chartered Accountant with +35 years experience

Moussa Diba – Exploration Manager

Professional Geologist with +20 years experience

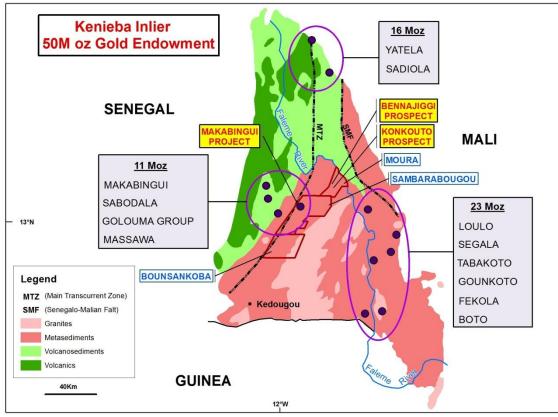


## Senegal, West Africa



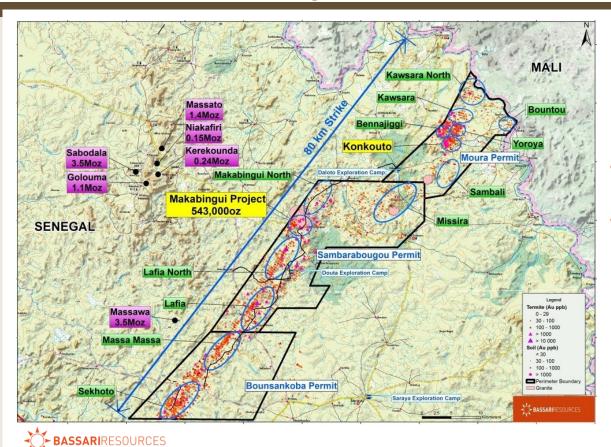


### West Africa - Kenieba Inlier



BASSARIRESOURCES

# **Exploration Package**



- Makabingui Gold Project
- 13 additional Prospects

Jan |2012

# **Exploration Strategy**

### Maximise resource growth and expand prospectivity

### Makabingui Gold Project

- 543,000 ounces as at December 2011
- Systematic drilling required to expand resource

### Advancing gold prospects on Moura Permit

- Konkouto Further drilling underway to delineate a resource at new discovery
- Bennajiggi Initial drilling program completed with assays pending
- Expanding prospectivity strengthening our resource base
  - Airborne Geophysical Survey Q1, 2012 to focus exploration priorities
  - Drilling programs planned for Kawsara & Sekhoto, Q1 & Q2, 2012
  - Further exploration of quality targets

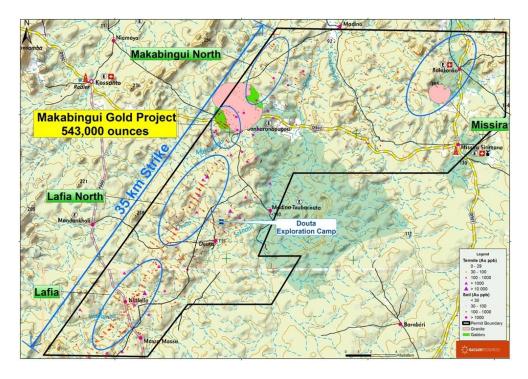
# Prospect Pipeline – Next 6 months

Project/Prospect	Feb	Mar	Apr	May	Jun	Jul
Konkouto	RC/DD					
Kawsara		RC				
Sekhoto			RC			
Makabingui				RC/DD	RC/DD	RC/DD

### Planned Activities:

- Airborne Geophysical Survey (AGS) Q1
- Strategic Exploration Review following AGS Q1/Q2
- Konkouto RC/DD in progress drilling to delineate a gold resource
- Kawsara & Sekhoto initial drilling programs
- Makabingui resource growth drilling following strategic review

# Sambarabougou Permit



- 35km strike 400km<sup>2</sup>
- Strong geochemical anomalies along NE trending structures
- Four high-quality targets
- Makabingui Project
  - 543,000 ounces with excellent upside
- Lafia North Prospect

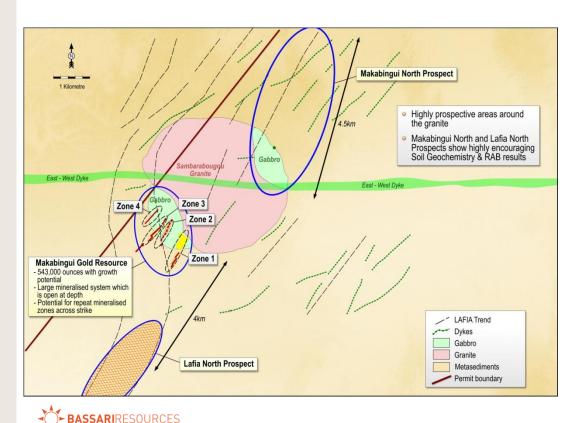
•Strong RAB intercepts: 8m @ 12g/t Au, 3m @ 12.2g/t Au, 12m @ 4.8g/t Au

•Wide spaced RC follow-up: 2m @ 11.4g/t Au, 5m @ 2.0g/t Au, 8m @ 1.4g/t Au

• Extensive artisanal workings



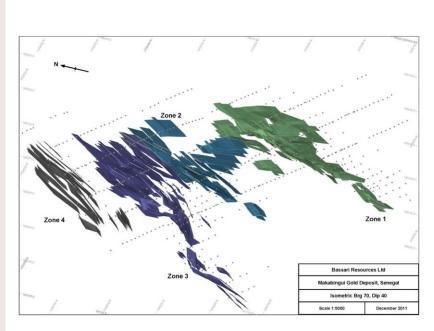
# Makabingui Gold Project – New Discovery



### **Current Resource**

- 543,000 ounces (Indicated & Inferred)
  10.8 Mt @ 1.6g/t Au (0.2g/t cut-off)
- Inclusive of 503,000 ounces (Indicated & Inferred)
  - 6.1 Mt @ 2.6g/t Au (0.5g/t cut-off)
- High-grade results include:
  - 7m @ 54.3g/t Au (Zone 3)
  - 5m @ 31.7g/t Au (Zone 3)
  - 7m @ 19.2g/t Au (Zone 3)
  - 9m @ 9.7g/t Au (Zone 1)
  - 5m @ 11.0g/t Au (Zone 1)

# Makabingui Gold Project



Classification	COG	Tonnage	Au	Au				
	Au (g/t)	(Mt)	(g/t)	(oz)				
Indicated	0.2	3.5	3.0	335,000				
Inferred	0.2	7.4	0.9	208,000				
Total	0.2	10.8	1.6	543,000				
Containing								
Classification	COG	Tonnage	Au	Au				
	Au (g/t)	(Mt)	(g/t)	(oz)				
Indicated	0.5	2.7	3.8	328,000				
Inferred	0.5	3.4	1.6	175,000				
Total	0.5	6.1	2.6	503,000				

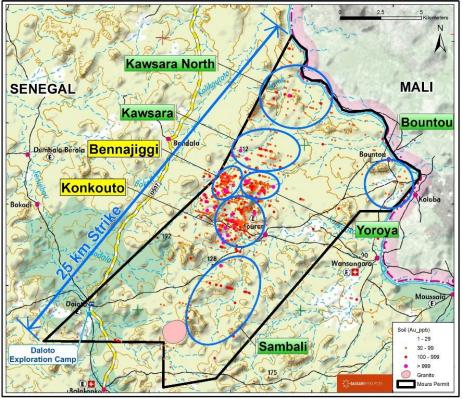
### Substantial resource growth potential

- Shallow depth defined down to 115m
- Large mineralised system open at depth
- Potential for repeat zones across strike
- Grade improvement

### Metallurgical test work - 99% recovery

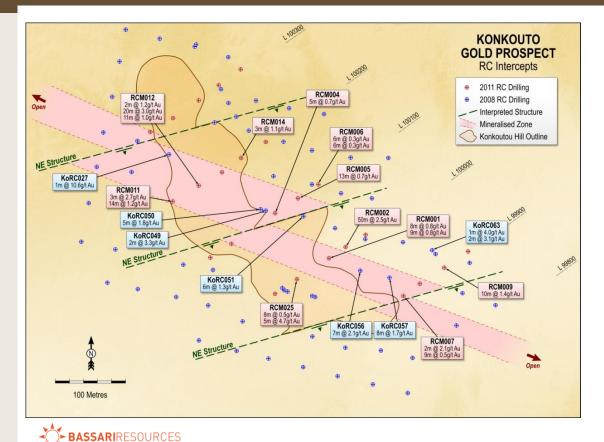


# Moura Permit



- 25km strike 184km<sup>2</sup>
- Strong soil geochemistry
- Extensive artisanal workings
- Seven high-quality prospects
- New gold discovery at Konkouto with further drilling underway
- Initial drilling program completed at Bennajiggi
- Kawsara prospect trench results of 5m @ 5.7g/t Au & 3m @ 3.4g/t Au with RC drilling program in Q1, 2012
- Geological model indicates potential for multiple EW trending dilatational jogs

# Moura Permit – Konkouto Prospect



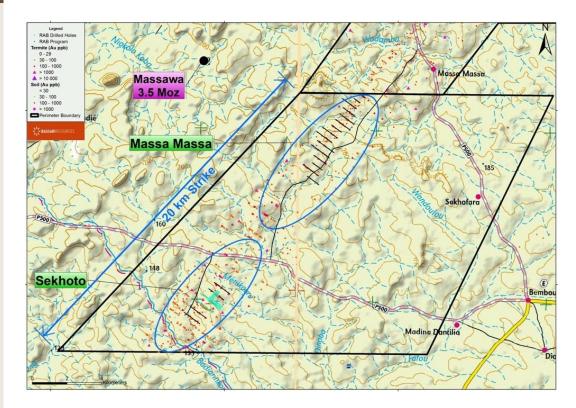
• New significant zone of gold mineralisation discovered over strike length in excess of 600 metres

• Intercepts include 50m @ 2.5g/t Au; 20m @ 3.0g/t Au, 5m @ 4.7g/t Au

•Shallow drilling down to 70m vertical

- Open in both directions and at depth
- Further drilling underway to delineate a resource

### Bounsankoba Permit



• 20km strike - 268km<sup>2</sup>

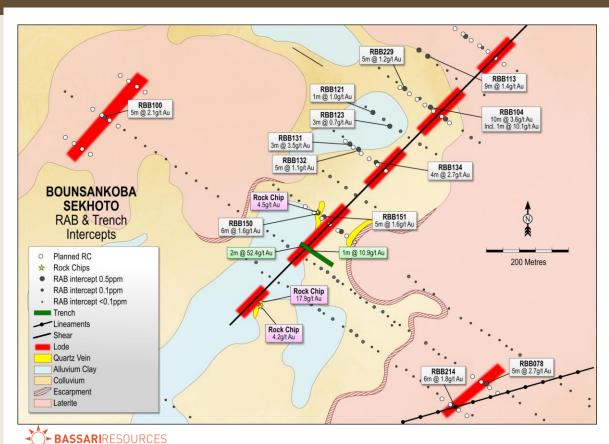
• Strong geochemical anomaly along NE trending structural zone

- Two high-quality prospects
- Artisanal workings in the area

• Sekhoto prospect initial drilling program planned for Q2, 2012



### Bounsankoba Permit – Sekhoto Prospect



### Significant RAB drilling results:

- 10m @ 3.6g/t Au
- 4m @ 2.7g/t Au
- 3m @ 3.5g/t Au

**Rock chip samples** 

• up to 17.9g/t Au

### **Trench samples:**

- 2m @ 52.4g/t Au
- 1m @ 10.9g/t Au

### **Social Contribution**



WATER



**MEDICAL** 



SCHOOL



**Employment** 

**Better Roads & Infrastructure** 

**Skills Development** 

# Summary

- Strategic land package in key region of West Africa's Birimian Belt
- Proven success at Makabingui 543,000 ounces with substantial resource growth potential
- New Gold Discovery at Konkouto with further drilling underway to delineate a resource
- Near term activities include airborne geophysical survey across all permits and drilling at our highest priority targets
- Strong potential for significant further gold discoveries with 13 prospects identified
- Experienced Board and Management team



## **Contact Information**

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