

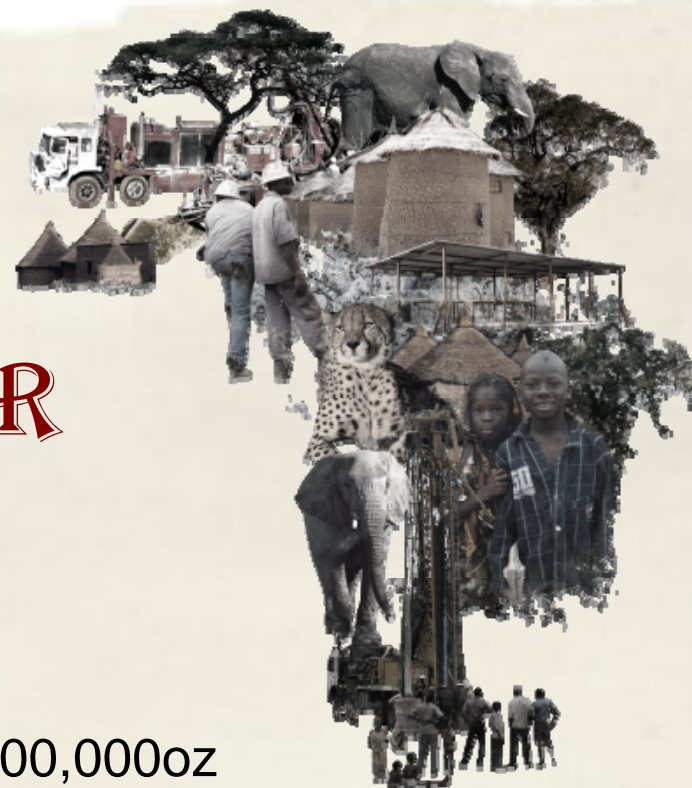


**GRYPHON MINERALS LIMITED  
&  
SHIELD MINING LIMITED**

**RECOMMENDED OFFER**

**A SIGNIFICANT WEST AFRICAN GOLD  
EXPLORATION COMPANY**

- ☑ Inferred resource of 14Mt @ 2.4g/t for 1,100,000oz
- ☑ Dominant & strategic landholdings in Burkina Faso & Mauritania
- ☑ Pipeline of new & exciting exploration targets
- ☑ Proven Management with long established presence in West Africa



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**2009 Explorer of the year  
Gryphon Minerals**





# Presentation Disclaimer

## Forward Looking Statements

This presentation may contain certain forward looking statements and projections regarding:

- estimated, resources and reserves;
- planned production and operating costs profiles;
- planned capital requirements; and
- planned strategies and corporate objectives.

Such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. They are not guarantees of future performance and involve known and unknown risks, uncertainties and other factors many of which are beyond the control of Gryphon Minerals Limited. The forward looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved.

Gryphon Minerals Limited does not make any representations and provides no warranties concerning the accuracy of the projections, and disclaims any obligation to update or revise any forward looking statements/projects based on new information, future events or otherwise except to the extent required by applicable laws.

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Stephen Parsons, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Stephen Parsons is a full-time employee of the company. Mr Stephen Parsons has sufficient experience which is relevant to the style of mineralisation and type of deposits 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 Stephen Parsons consent to their inclusion in the report of the matters based on his information in the form and context in which it appears.

Information in this report from data collection to wireframe interpretation, at Nogbele and Fourkoura Prospects and geostatistical modelling calculations is based on work by Mr Sam Brooks which was reviewed by Mr Michael Fox. Mr Brooks is a full time employee of Gryphon Minerals, and a member of the AIG. Mr Fox is a full time employee of Gryphon Minerals and a member of the AIG with sufficient experience relevant to the style of mineralisation and type of deposit to qualify as competent person defined by the 2004 Edition of the "Australian Code for Reporting of Mineral Resources and Ore Reserves". Mr Fox consents to the inclusion in this report of the matters based on information in the form and context in which it appears.



## Highlights of Combined Company

- The merger will create a well funded significant West African focussed gold exploration Company
- Dominant & strategic land holding of over 3,600km<sup>2</sup> in two highly prospective and under explored regions of Burkina Faso & Mauritania
- Inferred resource of 14Mt @ 2.4g/t for 1,100,000 oz and growing at the Banfora Gold Project in Burkina Faso
- Drill ready targets at the Tijirit Project adjacent Redback Mining's world class Tasiast gold mine in Mauritania
- Exciting pipeline of new highly prospective exploration targets in Mauritania
- Combined cash position of approximately A\$23 million to enable aggressive exploration
- Increased depth of Board and highly experienced exploration team

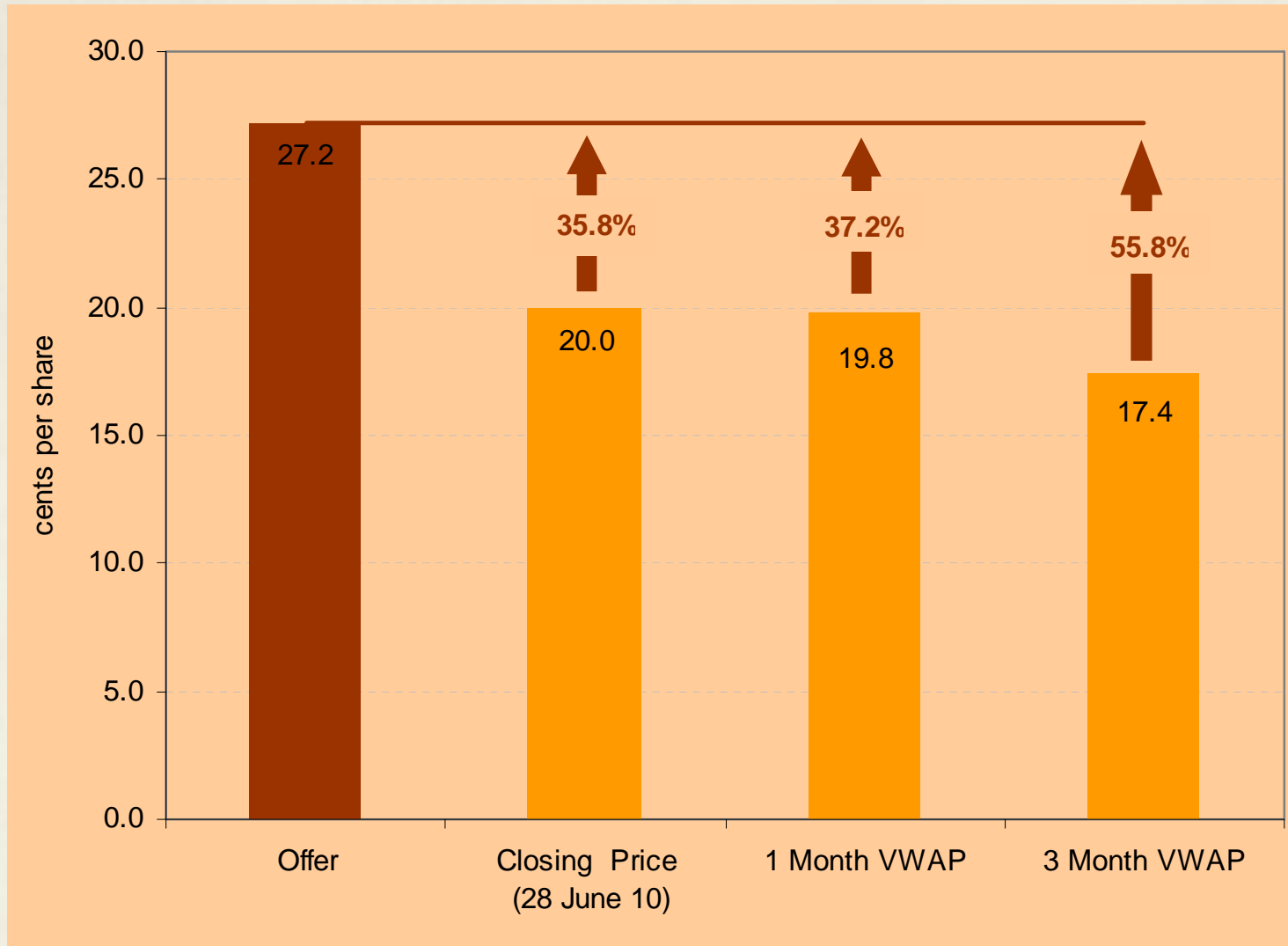


## Recommended Offer to acquire Shield Mining Ltd

- All scrip off-market offer to acquire 100% of Shield on a 1 for 3 basis
- Offer **unanimously recommended** by Shield directors each of whom will accept for their own holdings, subject to a superior offer
- Gryphon has entered into **pre-bid acceptances representing 19.9%** of the Shield shares on issue
- Shield's CEO, Mr David Netherway, will join the Gryphon Board as Non-Executive Director after successful completion of the Offer
- Shield shareholders a 35.8% premium to closing price and 55.8 % premium for 3 month VWAP



# Premium for Shield Shareholders





# Why the offer is attractive for Shield Shareholders

## ○ Substantial Premium

- 38.5% to Shield's closing share price on 28 June 2010
- 55.8% to three month VWAP prior to 28 June 2010

## ○ Become part of a substantial West African focussed gold company

- Market capitalisation of ~ \$204m; cash of ~\$23m, no debt and a combined tenement position covering ~3,600km<sup>2</sup>

## ○ Investment in Gryphon's advanced gold project in Burkina Faso

- Current JORC compliant inferred resource of 1.1 Million oz @ 2.4 g/t gold, at less than 100m depth and open along strike and depth
- Step out drilling at Nogbele & Fourkoura deposits targeting resource growth
- Plethora of highly prospective exploration targets with multi-million oz potential

## ○ Strategic Project Growth

- You will retain exposure to Shield's Mauritanian exploration projects while gaining exposure to Gryphon's high quality assets and West African growth strategy

## ○ Experienced Board and Management

- Shield shareholders will continue to benefit from a strong management team with proven exploration & project development ability and West African expertise



# Significant West African Gold Explorer



Mauritania

Nouakchott  
Head Office

Ouagadougou  
Head Office

Burkina  
Faso

PERTH  
Head Office



## The Board

## Experience in Africa



**Steve Parsons**  
**Managing Director**  
Geologist  
ex Placer Dome, Platinum Australia,  
CRAE



**Mel Ashton**  
**Non Executive Chairman**  
Chartered accountant  
Ex chairman of Institute of  
Chartered Accountants



**Didier Murcia**  
**Non Executive Director**  
Lawyer  
French speaking & French legal system  
Honorary Consul for Tanzania  
Non exec director Gindalbie Metals



**Steven Zaninovich**  
**Non Executive Director**  
Mining Engineer,  
Numerous West African mines  
Senior BDO Lycopodium



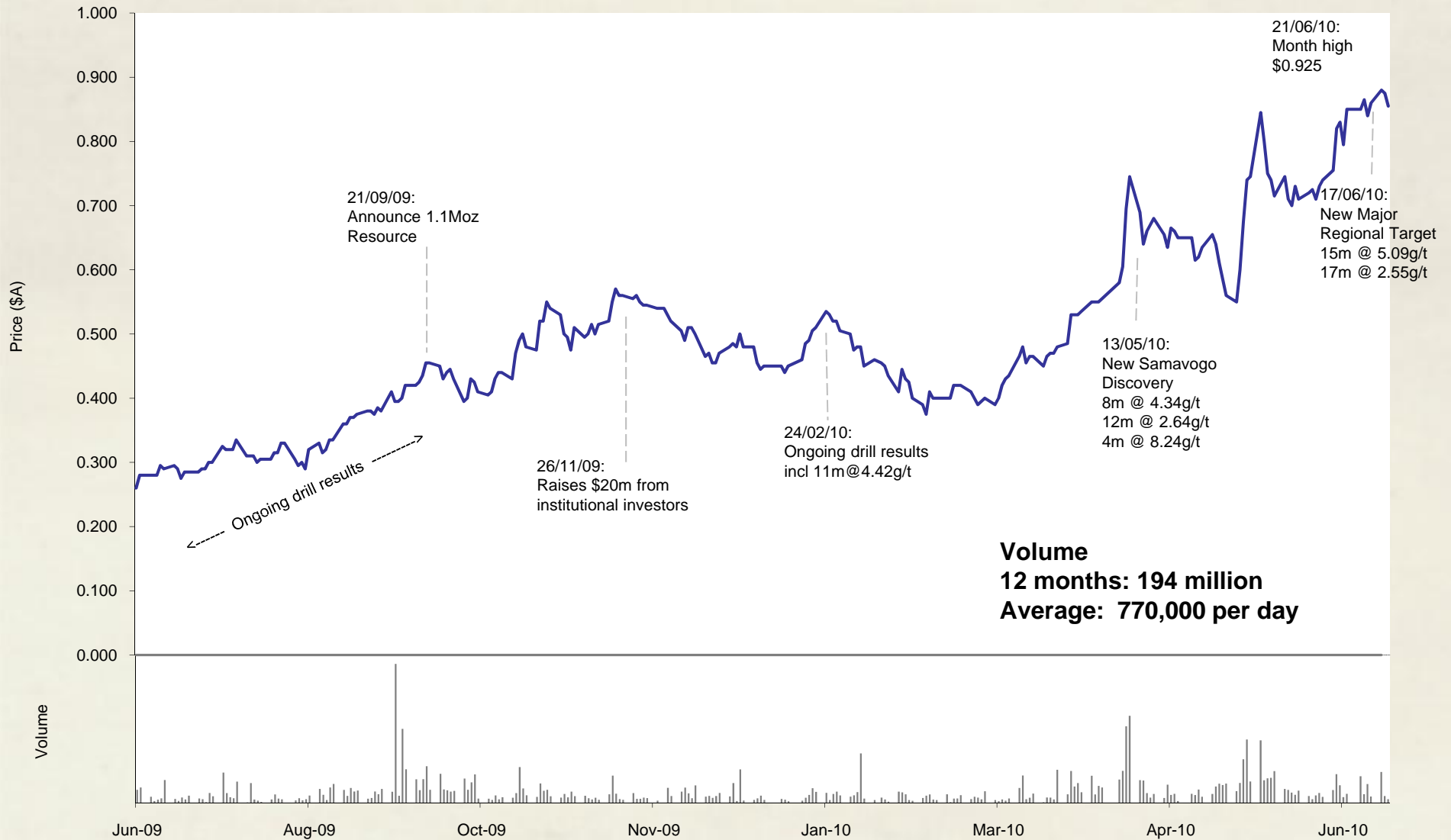
**David Netherway**  
**Non Executive Director**  
Mining Engineer over 30yrs,  
Wealth of Board experience with  
gold mining companies including;  
Afcan, Ashanti ,Semafo, Orezone,  
Equigold





# Gryphon Minerals

## Share Price 12 months





# “The Gryphon’s Nest - Banfora Gold Project”

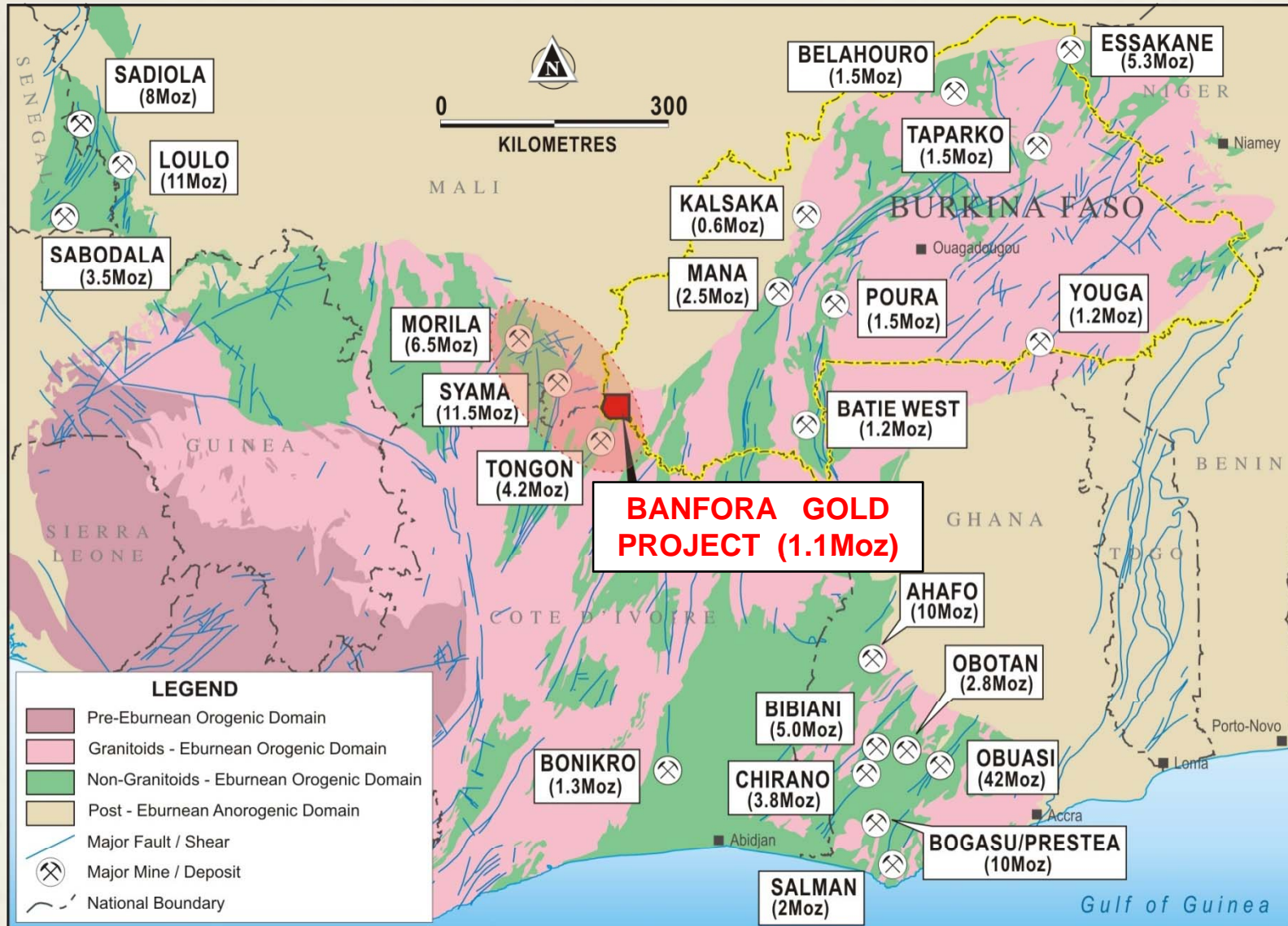
## Banfora Gold Project - Burkina Faso, West Africa

- One of the worlds most prospective gold provinces
- Substantial landholding of 1200km<sup>2</sup> owned 100% by Gryphon Minerals
- A major gold producing district
  - 4.2 Million oz gold Tongon - Randgold (30km)
  - 11.5 Million oz gold Syama - Rolute (50km)
  - 6.5 Million oz gold Morila – Randgold/Anglo Ashanti (75km)
- Inferred Resource 14Mt @ 2.4g/t for 1,100,000oz gold (ASX 21/09/09)
  - from surface to <100m depth (open at depth & along strike)
  - no historical open pits / no illegal miners
  - 90+% recoveries (oxide/transitional/fresh)
  - <US\$10oz discovery costs
- Aiming to establish a multi-million oz gold district
- Burkina Faso is pro-mining, with grid power & water
- Long established presence & first mover advantage in Burkina Faso



# Burkina Faso

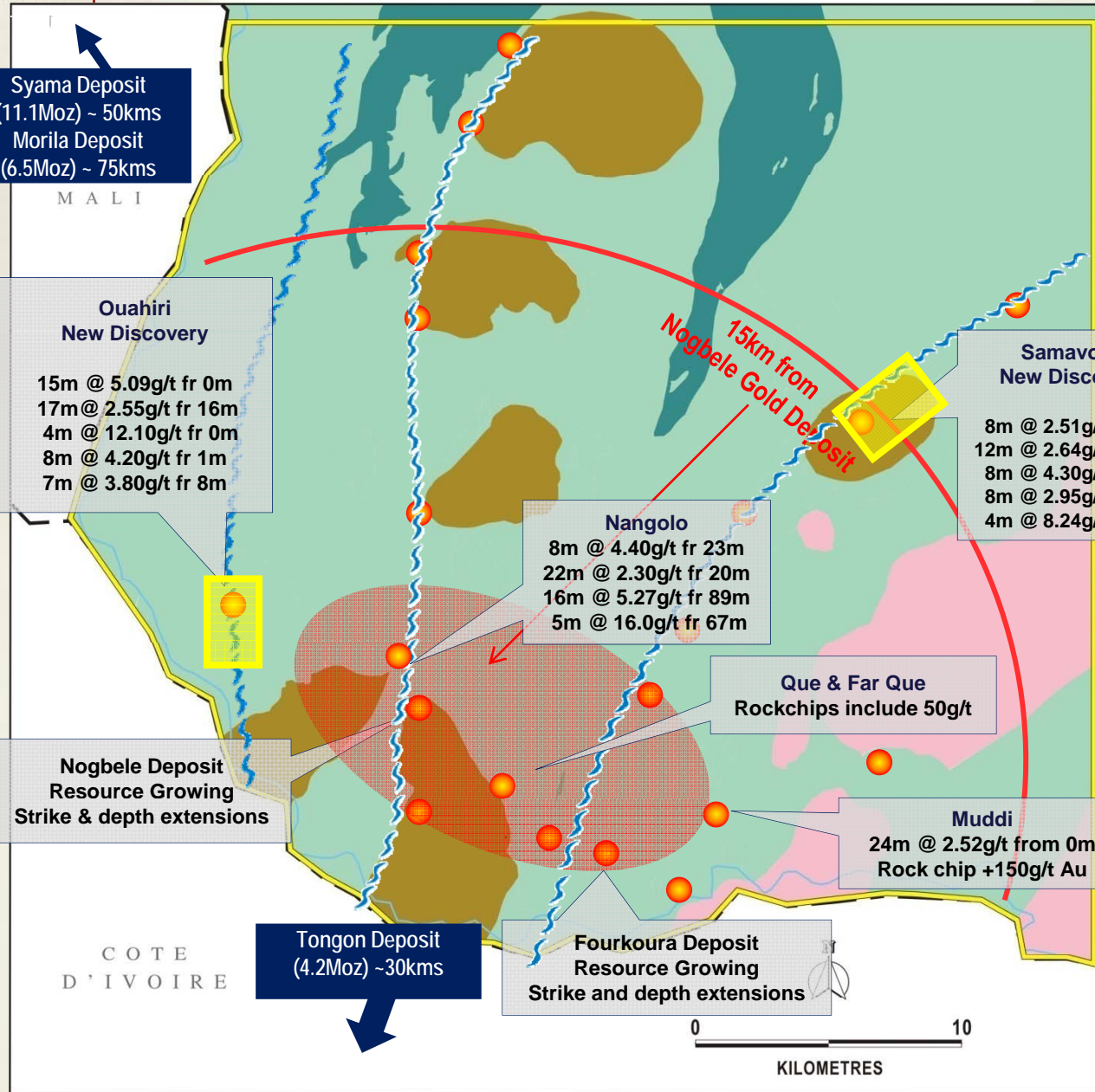
## Major Gold "Hot Spot"





# Banfora Regional

## Multi-million oz potential

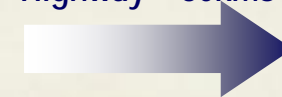


Banfora Gold Project - 1200km<sup>2</sup>

- 50% remains unexplored.
- Only 2 prospects RC/DD drilled (Nogbele & Fourkoura).
- 5 immediate high priority regional RC/DD drill targets.
- Plethora of regional targets.

Abundant Water

- Power ~30kms
- Highway ~ 30kms



- Area of soil geochemical coverage
- High priority target



### **Banfora Gold Project**

- Step out & deeper drilling at Nogbele & Fourkoura deposits
- Discovery drilling on satellite targets (Samavogo & Ouahiri)
- New regional exploration (mapping, soils, geophysics, auger, recon drilling)
- Resource upgrades
- Desktop / Scoping Studies

### **Expanding Footprint in West Africa**



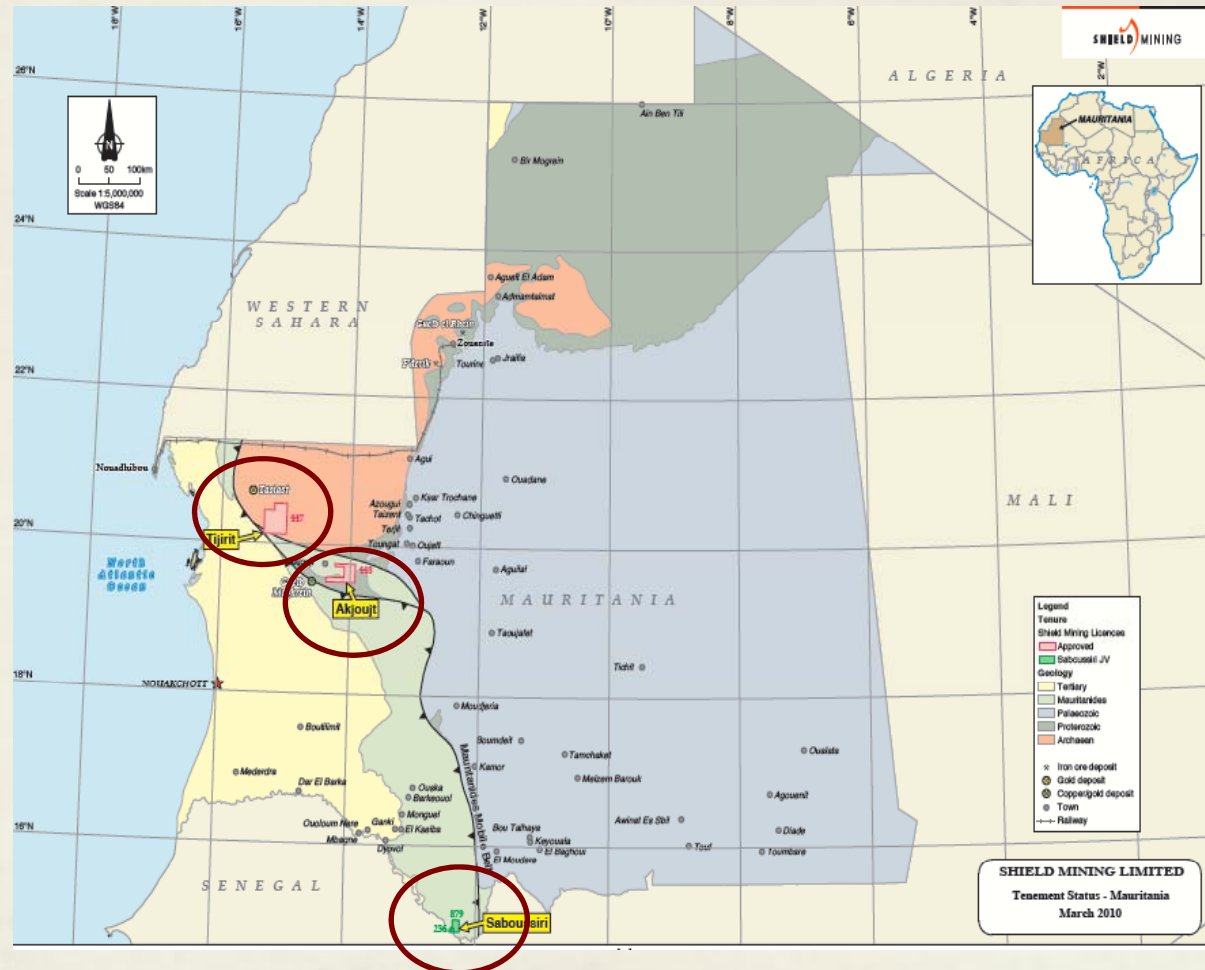


# Mauritania

## Pipeline of new & exciting exploration projects

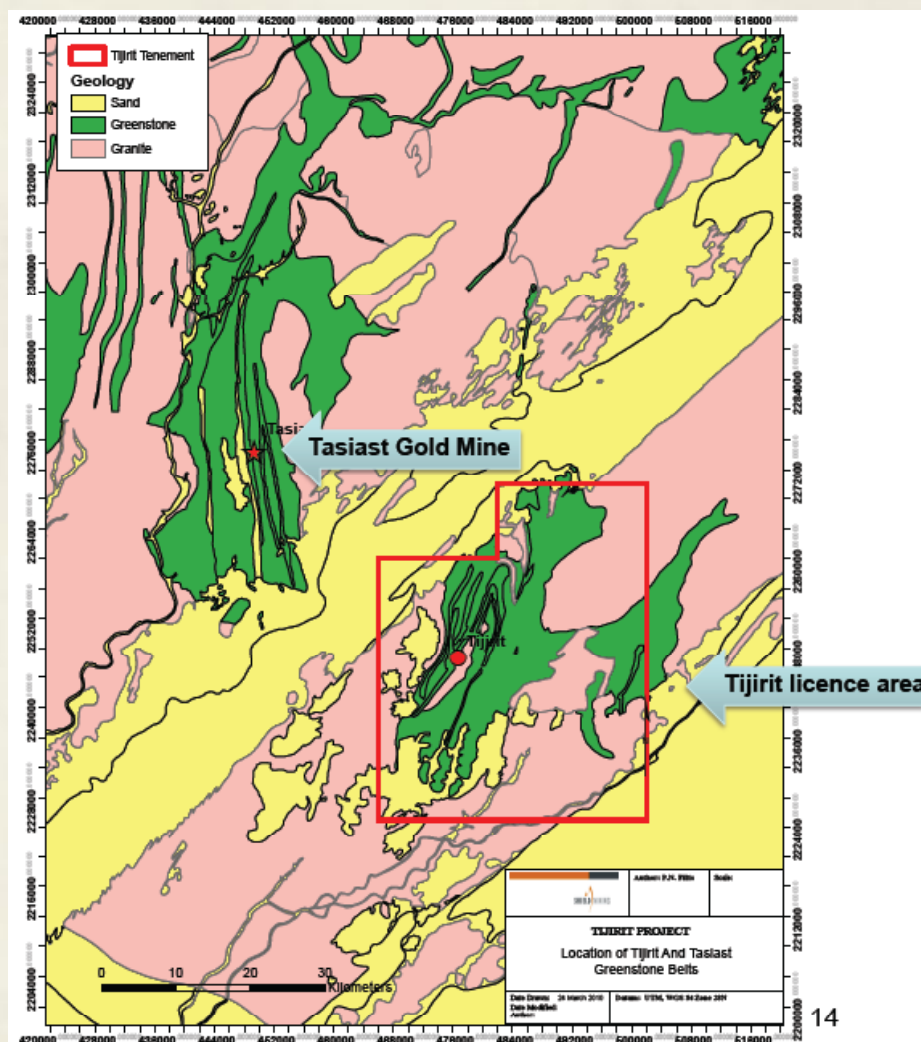


- Mauritanian gold explorer well established in-country with office in Nouakchott
- Three highly prospective exploration projects:
  - Tijirit Project - Gold
  - Akjoujt - Gold, Copper
  - Saboussiri - Gold Copper



# Tijirit Gold Project

- Abutting Redback Mining's world class Tasiast Gold Project
- 1400km<sup>2</sup> of highly prospective & underexplored tenure
- Walk up drill targets ready for next phase of drilling
- First pass drill results include:
  - 6m @ 17.63g/t Au from 10m
  - 6m @ 10.47g/t Au from 16m
  - 2m @ 24.90g/t Au from 56m





## Why Mauritania



- Under explored & highly prospective
- Host to world class mines & deposits such as:  
Redback's Tasiast, First Quantum's Guelb Moghrein & Sphere Minerals iron ore projects
- Sparsely populated ~ only 3 million
- Well developed mining code
- Transparent exploration & mining licence application process
- One stop shop: Mining Cadastral Unit
- 3 year income tax holiday then 25% company tax
- 10% Government holding for mining licence





## Timetable

- Lodgement of Bidders Statement: 30 June 2010
- Record Date: 5pm (WST) on 8 July 2010
- Start of Offer Period and dispatch of Bidders and Target Statement: 9 July 2010
- Offer Closing Date (unless extended): 9 August 2010



## Summary



- Substantial West African gold focused company
- Dominant strategic landholding of >3,600km<sup>2</sup> in world class gold regions
- Inferred resource of 14Mt @ 2.4g/t for 1,100,000 oz and growing
- Under-explored projects with numerous high quality gold targets
- Aggressive exploration programmes planned
- Operating in strongly pro-mining countries
- Well funded with a tight capital structure
- Major world-class investor base
- Experienced board & management team with a proven track record and well established presence in West Africa



# Questions



## SIGNIFICANT WEST AFRICAN GOLD EXPLORATION COMPANY



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