



**OKLO**

ASX:OKU

RESOURCES LIMITED

**EXPLORING AMONG  
THE GOLDEN GIANTS**

**INVESTOR PRESENTATION FEBRUARY 2017**

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## **Competent Person's Declaration**

The information in this presentation that relates to Exploration Results is based on information compiled by geologists employed by Africa Mining (a wholly owned subsidiary of Oklo Resources) and reviewed by Mr Simon Taylor, who is a member of the Australian Institute of Geoscientists. Mr Taylor is the Managing Director of Oklo Resources Limited. Mr Taylor is considered to have sufficient experience deemed relevant to the style of mineralisation and type of deposit under consideration, and to the activity that he is undertaking to qualify as a Competent person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the 2012 JORC Code). Mr Taylor consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

# DELIVERING ON PRIORITIES

## INVESTMENTS HIGHLIGHTS

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### UNDEREXPLORED MALI GOLD PROJECTS with outstanding initial results:

#### ► **Dandoko Project**

Located 30km east of B2Gold's 5.15Moz Fekola project. First pass drilling including:

##### Diabarou Prospect

29m at 10.42g/t gold

3m at 110.3g/t gold

6m at 53.77g/t gold

28m at 3.90g/t gold

##### Disse Prospect

21m at 5.67g/t gold

13m at 4.69g/t gold

##### Seko Gold Trends

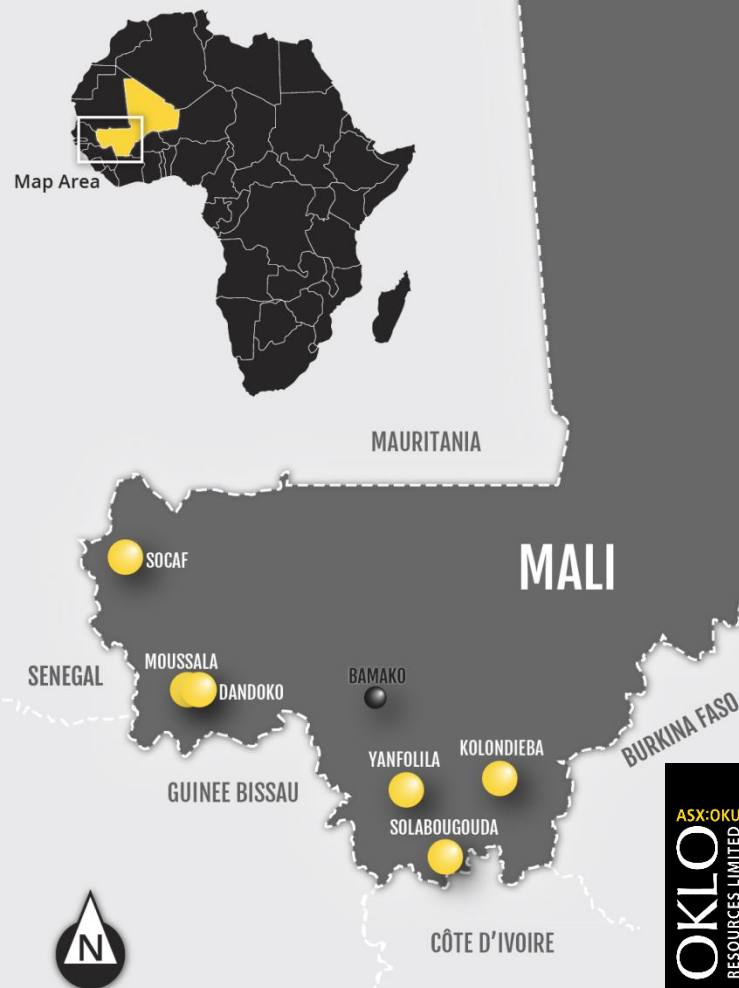
Strong coherent gold trends from auger drilling extending over 2.0km with grades up to 3.28g/t gold.

### FINANCED FOR SIGNIFICANT NEWS FLOW

Approx. \$7.2M in cash to support aggressive drilling program.

► **25,000m DRILL PROGRAM EXTENSION** led by experienced management team, involved in over 40Moz of gold discoveries in West Africa.

### MALI GOLD PROJECTS



# STRONG FOUNDATION

## CORPORATE OVERVIEW

### BOARD AND MANAGEMENT

► **MICHAEL FOTIOS** *NON-EXECUTIVE CHAIRMAN*

Highly successful resource entrepreneur and company director. Proven track record through involvement in a number of recent transactions in the gold and lithium sectors.

► **SIMON TAYLOR** *MANAGING DIRECTOR & CEO*

Resource executive with over 25 years experience in geology, management at CEO and Board levels and in the finance sector.

► **DR MADANI DIALLO** *DIRECTOR - COUNTRY MANAGER*

Geochemist with outstanding track record as team member in the discovery of Sadiola (13Moz), Morila (8.5Moz), Syama (7.9Moz), Essakane (5.3Moz) and others. Strong relationship with Mali Govt, awarded a "Knighthood" as a pioneer to the Mali gold industry.

► **ANDREW BOYD** *TECHNICAL CONSULTANT*

Former GM – Geoscience for ASX companies Papillon Resources and Mantra Resources. Geophysicist with over 20 years of exploration and mining experience.

► **DJIBRIL DIAKITE** *CHIEF GEOLOGIST*

Over 15 years experience in exploration and mining at numerous multi-million ounce gold mines in Mali including Syama, Sadiola and Tabakoto.

► **LARA LACUSSO** *CHIEF FINANCIAL OFFICER*

Accountant with 20+ years in financial advisory services and extensive experience in private and public companies operating in Mali.

### CAPITAL STRUCTURE

Shares on Issue (M)	241.3
Market Cap at A\$0.19/share (M)	A\$45.9
Cash Balance (February 2017) (M)	~A\$7.2
Enterprise Value (M)	~A\$38.7
Listed Options (M) - June 17 exercise A\$0.125	23.3
Unlisted Options (M) average exercise A\$0.21	24.0

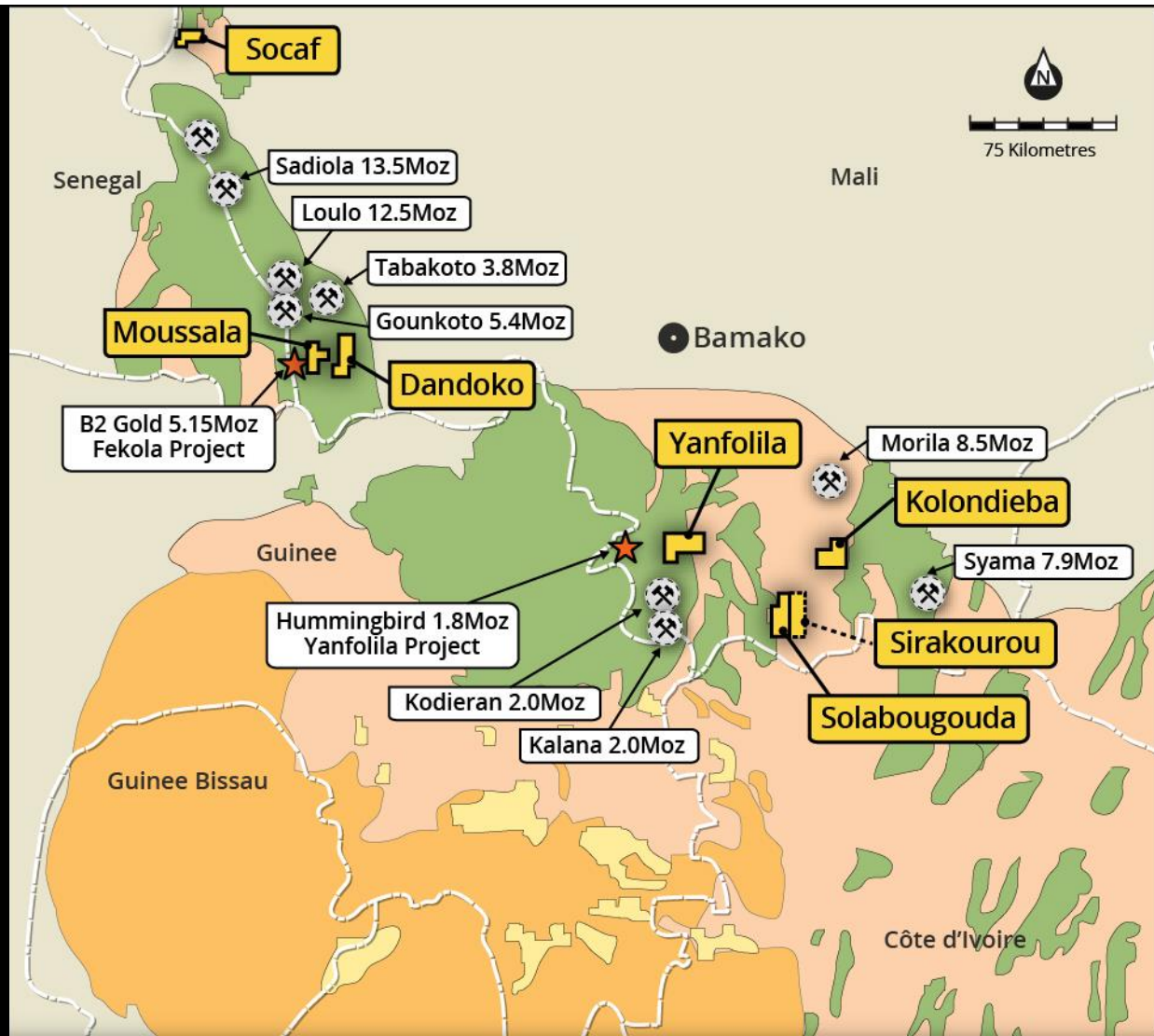
### MAJOR SHAREHOLDERS

1832 Asset Management	8.78%
Chalice Gold Mines Limited	7.86%
Ack Pty Ltd	6.28%
Hawkestone Group	5.25%
Pershing Aus. Nominees (GMP Acc)	4.89%
Terra Capital	4.49%
GP Securities Pty Ltd	4.16%
<b>Top 20 Shareholders</b>	<b>59.8%</b>

# MALI'S GOLDEN TRIANGLE

## PROSPECTIVE LAND POSITIONS IN MAJOR GOLD REGION

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### MALI GOLD PROJECTS

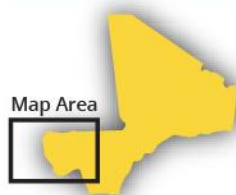
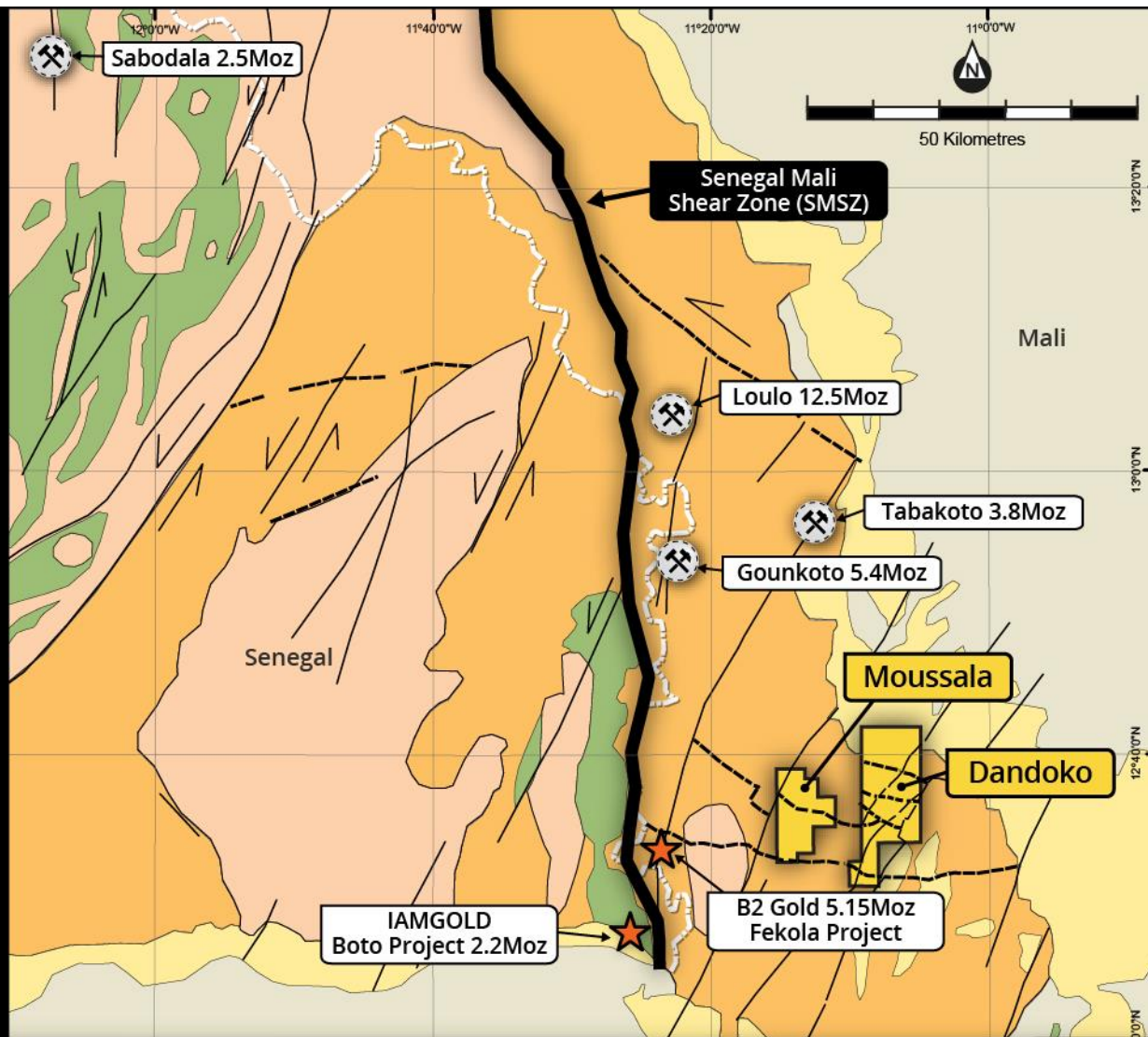
- Gold Mine
- Advanced Project
- Oklo Projects
- Oklo Application
- Country Border
- Birimian Volcanic Rocks
- Cover Sequence
- Pre-Birimian Basement
- Granitoid Rocks
- Cover Younger

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# MULTI-MILLION OUNCE REGION

## DANDOKO & MOUSSALA PROJECTS

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### MALI GOLD PROJECTS

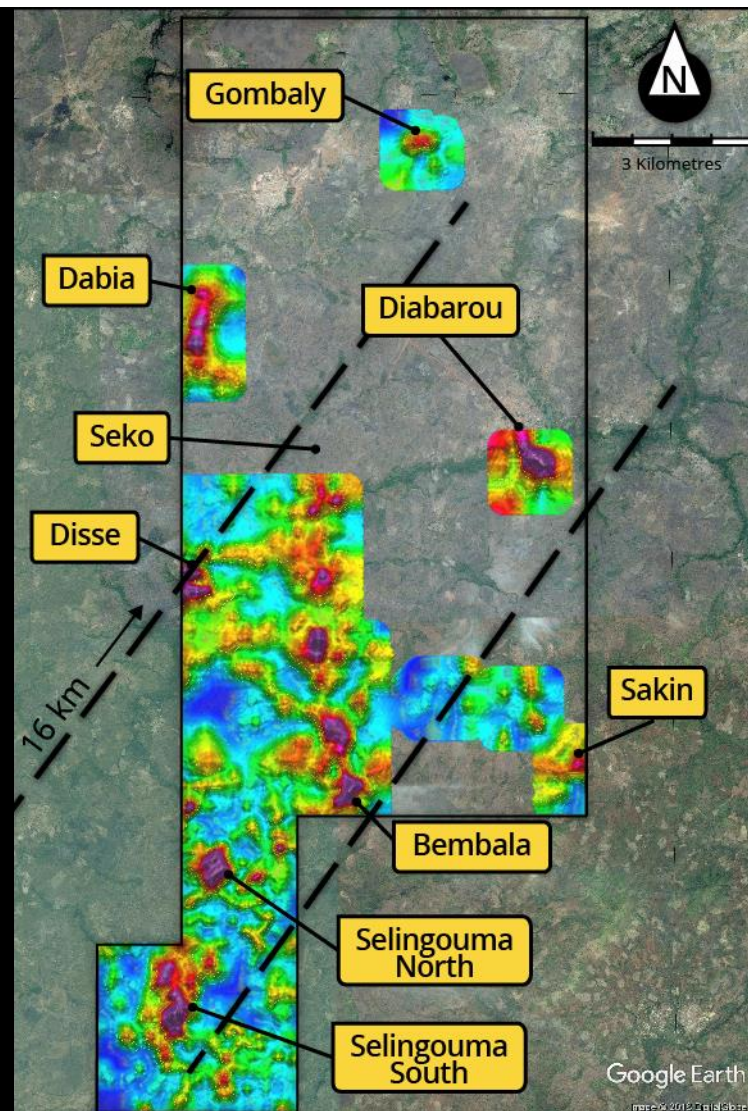
- |                              |                     |
|------------------------------|---------------------|
| Phanerozoic/Quaternary       | Oklo Projects       |
| Cover                        | Structures          |
| Neoproterozoic               | Local Structure     |
| Sandstone and Dolerite       | Regional Structures |
| Palaeoproterozoic (Birimian) | SMSZ                |
| Undifferentiated Sediments   | Country Border      |
| Undifferentiated Volcanics   | Gold mine           |
| Granites                     | Advanced Project    |

# OUTSTANDING RESULTS TO DATE

## DANDOKO PROJECT

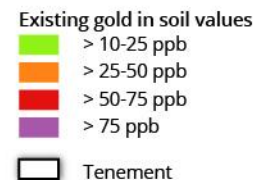
Multiple gold targets adjacent to 16km long NE structural trend largely untested by drilling.

- ▶ **Diabarou** – gold-in-soil anomaly, significant drilling results including:
  - ▶ 29m at 10.42g/t gold
  - ▶ 6m at 53.77g/t gold
  - ▶ 28m at 3.9g/t gold
- ▶ **Disse** - gold-in-soil anomaly, significant drilling results including:
  - ▶ 21m at 5.67g/t gold
  - ▶ 13m at 4.69g/t gold
- ▶ **Selingouma** – large **6km long gold-in-soil trend**. Significant shallow air core drilling results including:
  - ▶ 18m at 1.75g/t gold
- ▶ **Underexplored** - Large areas with no geochemical sampling – currently being auger drilled.
- ▶ **Seko** – significant recent gold trend discovery.



### DANDOKO PROJECT

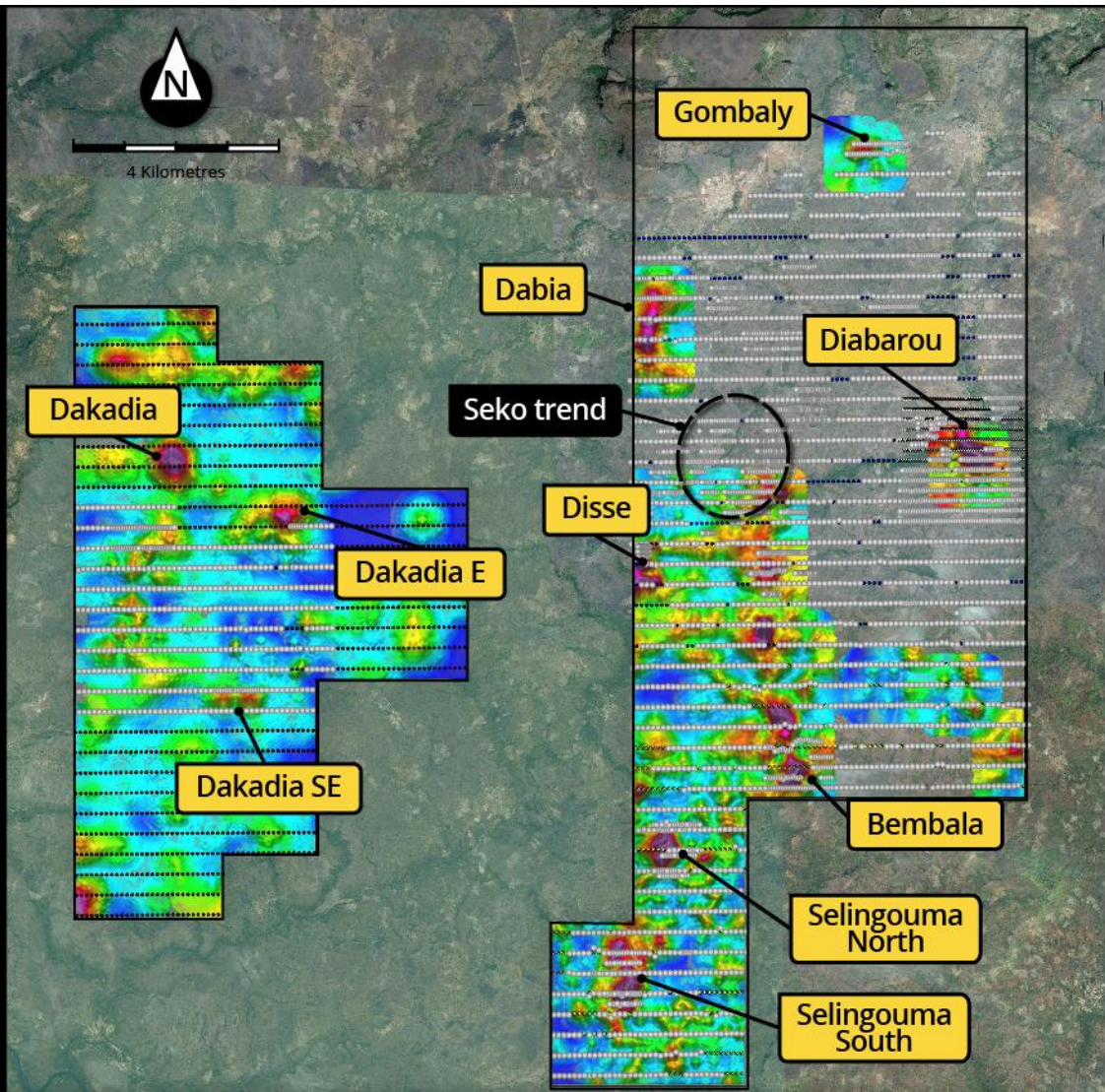
HISTORICAL GOLD  
IN SOIL GEOCHEMISTRY



# MULTIPLE DRILL READY TARGETS

## DANDOKO AND MOUSSALA PROJECTS

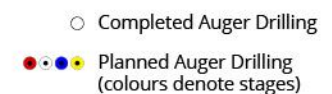
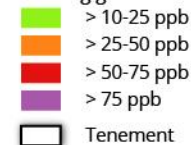
- ▶ Aggressive drilling programs underway.
- ▶ 50,387m of auger drilling completed to date and ongoing.
- ▶ 7,946m of RC completed at Diabarou and Disse.
- ▶ Significant ongoing news flow.



### MOUSSALA AND DANDOKO PROJECTS

HISTORICAL GOLD  
IN SOIL GEOCHEMISTRY

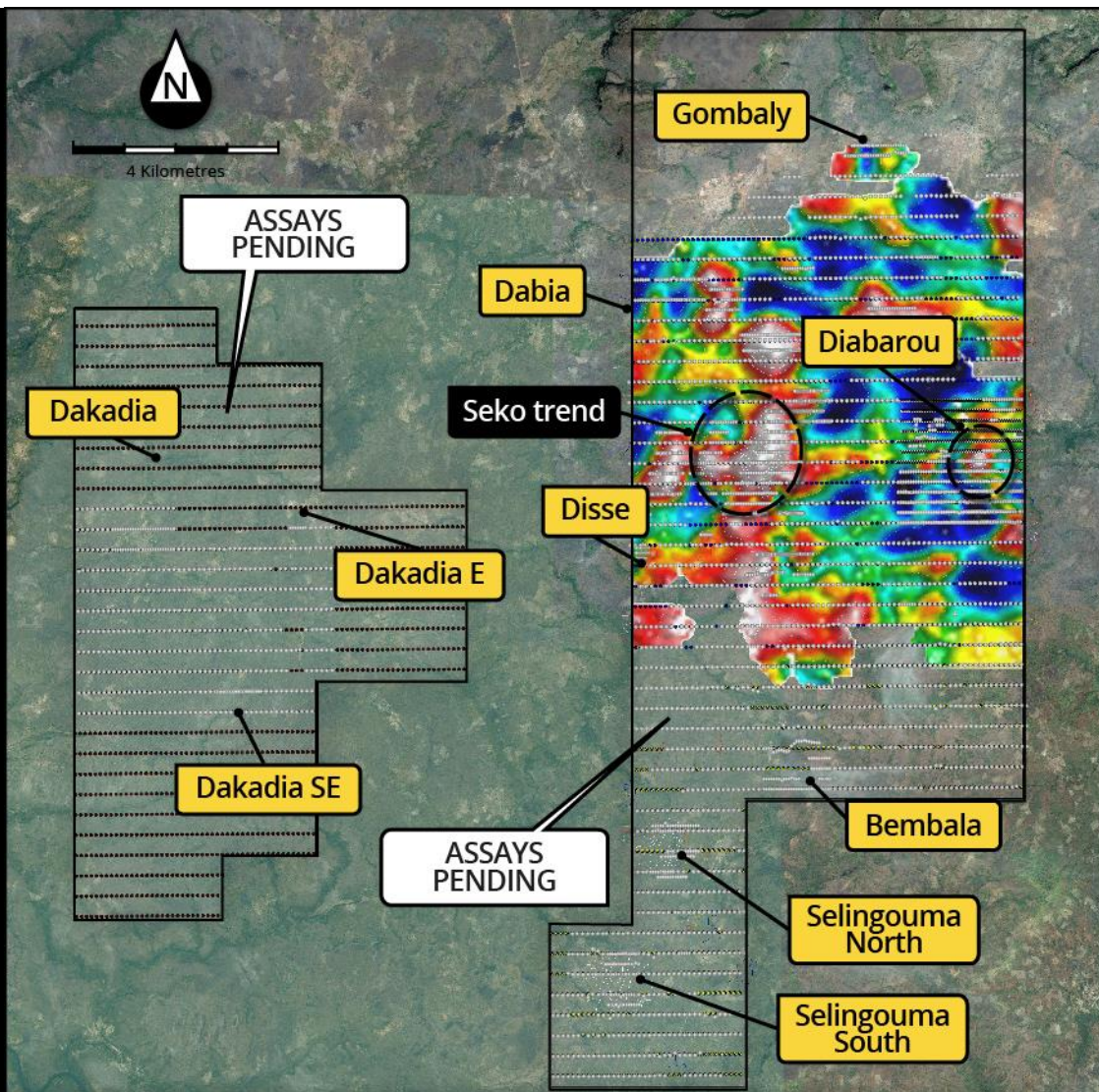
Existing gold in soil values





# MULTIPLE DRILL READY TARGETS DANDOKO PROJECT

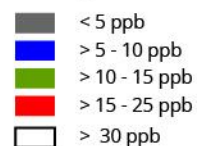
- ▶ First assay results from auger have delineated significant gold trends at Seko Prospect.



## MOUSSALA AND DANDOKO PROJECTS

NEW AUGER  
MAX GOLD IN HOLE

New Auger Max Gold in Hole

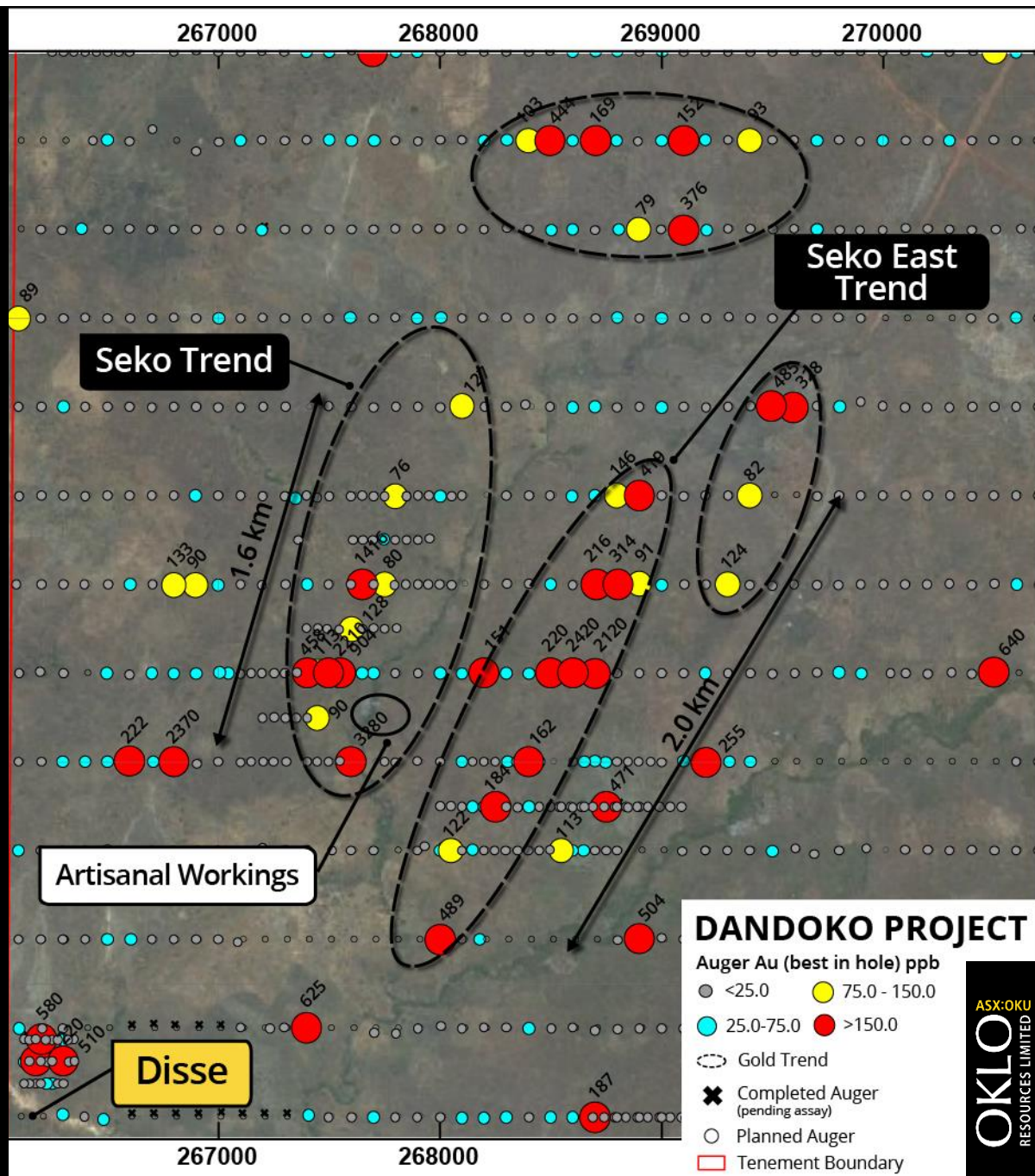


- Completed Auger Drilling
- Planned Auger Drilling (colours denote stages)
- Tenement

# SEKO DISCOVERY

## NEW SIGNIFICANT GOLD TRENDS

- ▶ **Seko East** extends over **2 km** with grades up to **2.42 g/t gold**.
- ▶ **Seko** extends for **1.6 km** with grades up to **3.28 g/t gold**.
- ▶ Multiple further anomalies of over 800m in length.
- ▶ Infill auger drilling commenced.
- ▶ Air core and RC drilling in early March.

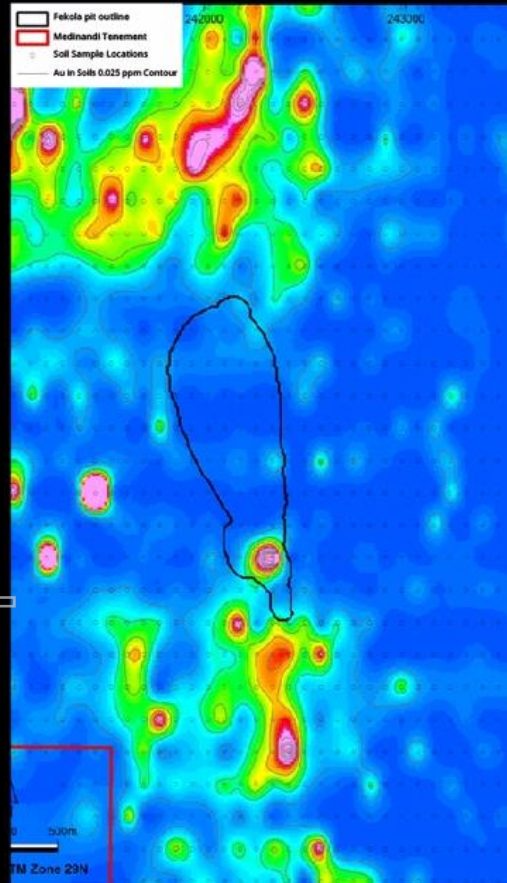


# Auger v Soils

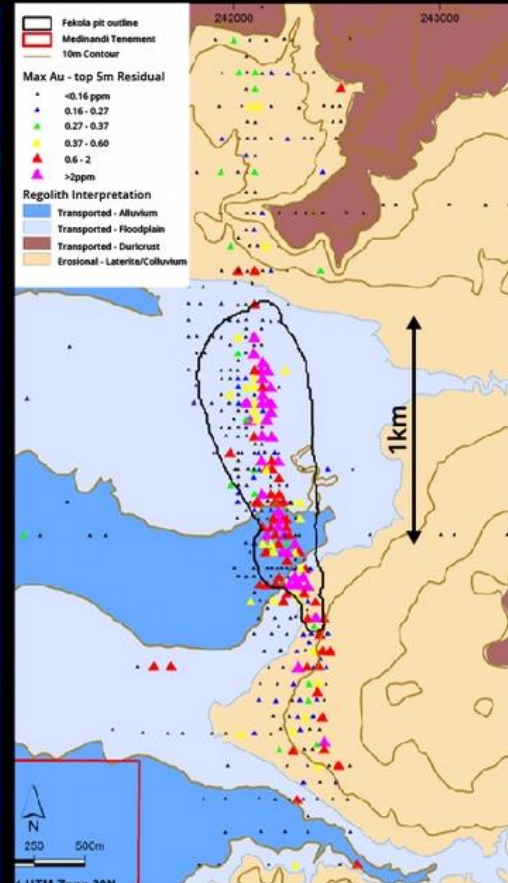
## Fekola v Seko

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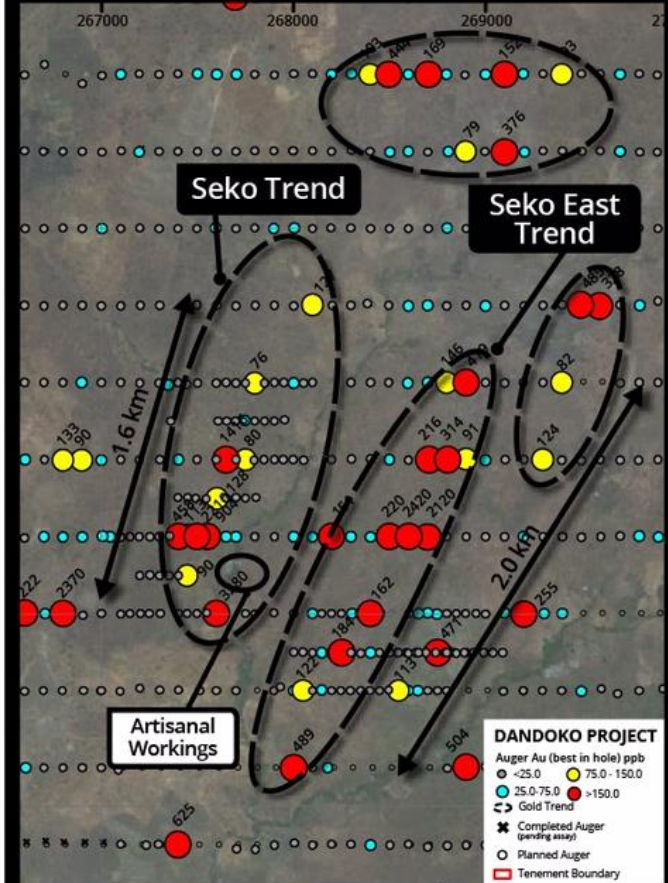
**FEKOLA – Soils**



**FEKOLA – Top of saprock from drilling**



**SEKO – Auger**

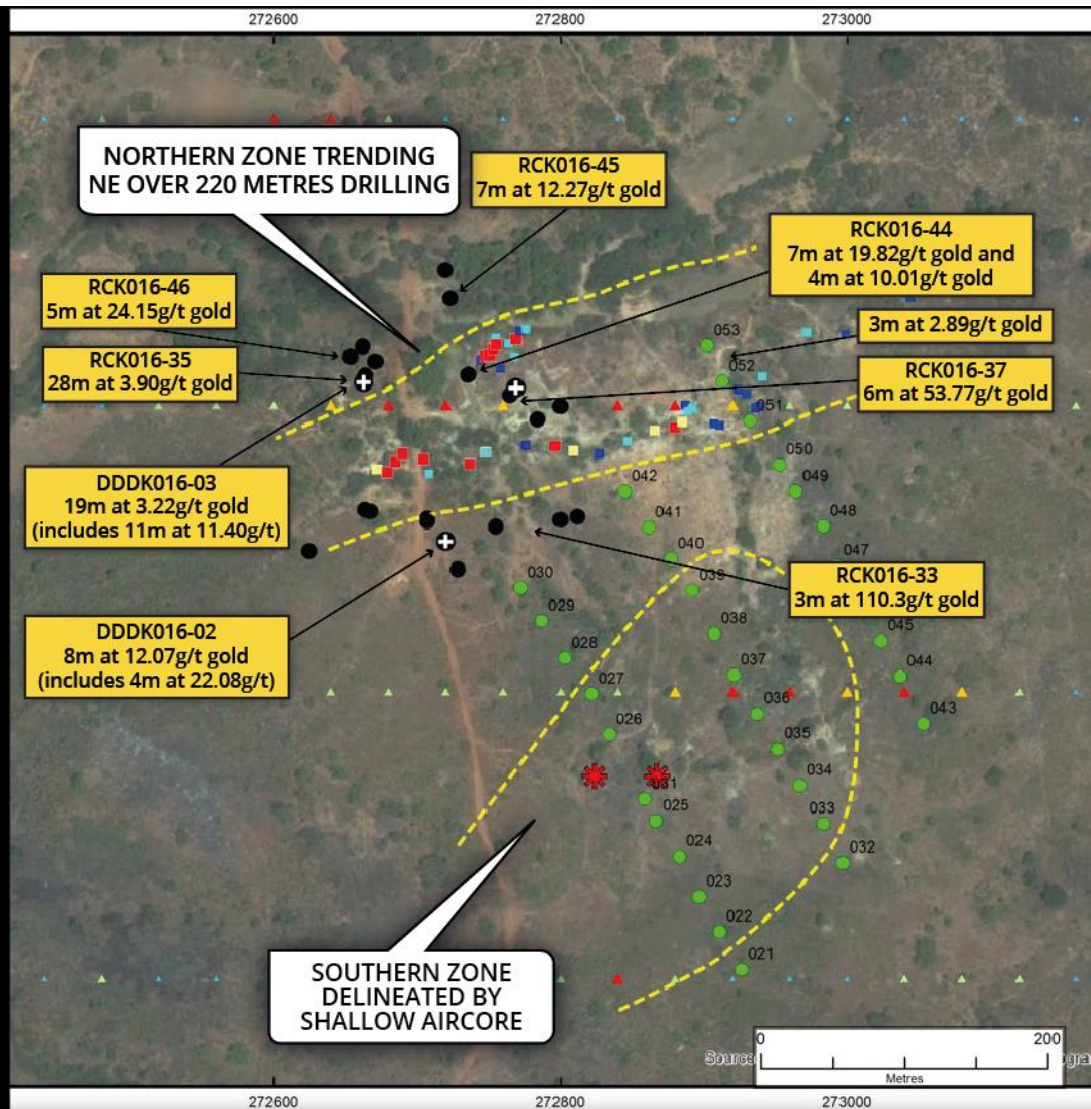


Source: *The Fekola Gold Deposit: A new multi-million ounce gold discovery in the Kenieba District of Western Mali.* Authors: Andrew Boyd, Richard Dahl and Simon Dorling.

# DIABAROU PROSPECT

## GOLD IN SOIL ANOMALY – NORTHERN ZONE DRILLING RESULTS

- ▶ Gold mineralisation open to the NE-SW and at depth.
- ▶ Alteration style similar to other large deposits in the region including Fekola and Goukoto.
- ▶ High grade zone defined over 150m.
- ▶ Extensional step out drilling over 900m returned:
  - ▶ 5m @ 5.37g/t gold
  - ▶ 5m @ 4.36g/t gold
  - ▶ 2m @ 50.00g/t gold



### DIABAROU PROSPECT

<p><b>Aircore</b> ● May 2016</p> <p><b>Diamond Holes</b> ⊕</p> <p><b>RC Drill Holes</b> ●</p> <p><b>New Artisanal Workings</b> ★</p>	<p><b>Pit Sampling</b> Au (ppm)</p> <p>■ &lt;0.1</p> <p>■ 0.1 - 1.0</p> <p>■ 1.0 - 2.0</p> <p>■ &gt;2.0</p> <p><b>Mineralised Zone</b> —</p>	<p><b>Soil Sampling</b> Au (ppb)</p> <p>▲ &lt;5.0</p> <p>▲ 5.0 - 15.0</p> <p>▲ 15.0 - 50.0</p> <p>▲ 50.0 - 100.0</p> <p>▲ &gt;100.00</p>
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# INFRASTRUCTURE

## ESTABLISHED REGION WITH MAJOR MINING OPERATIONS

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**BAMAKO TO DANDOKO PROJECT - FIVE HOURS ON SEALED ROAD**



**GOOD ACCESS TO ROADS, WATER AND POWER**

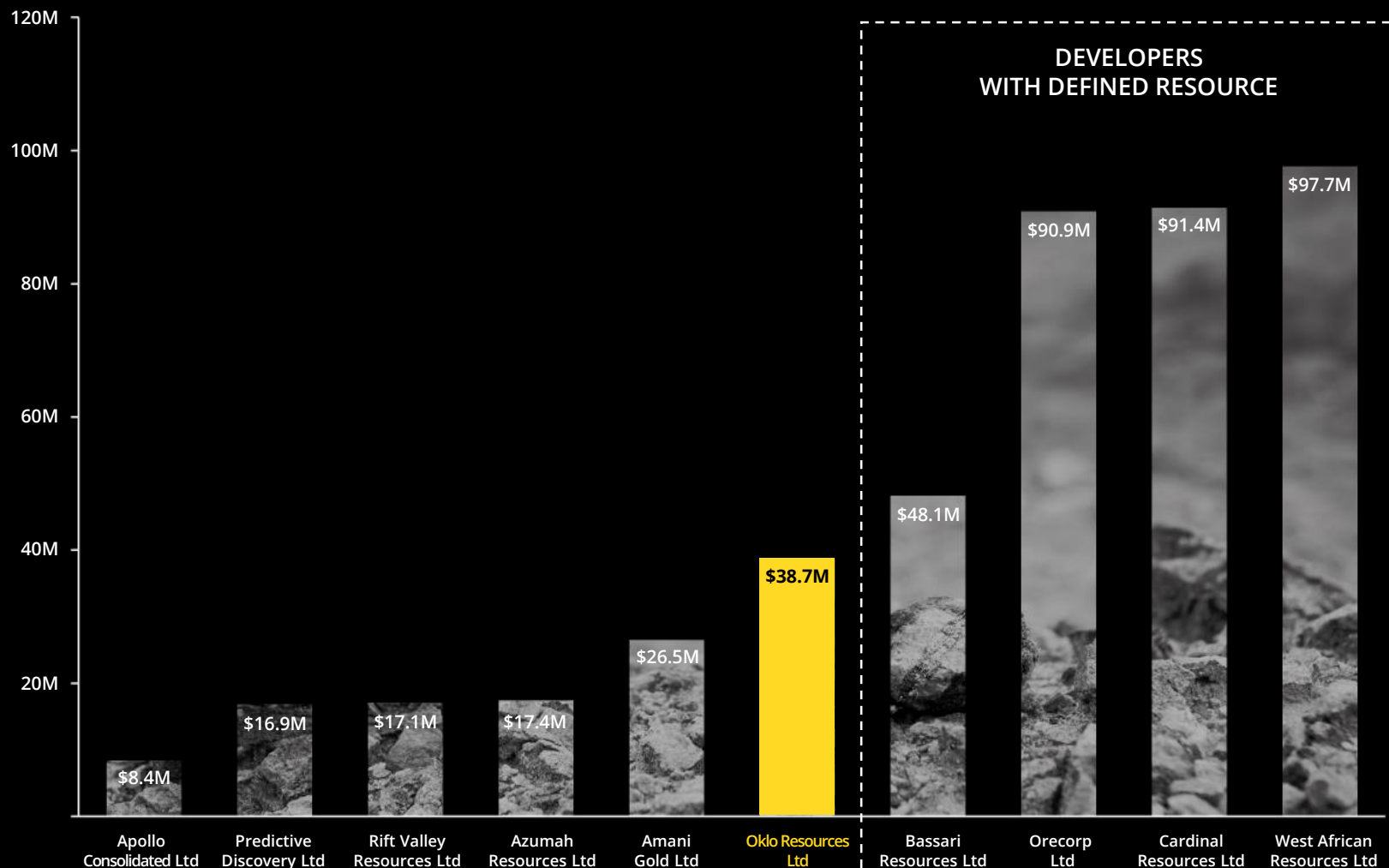


**READILY ACCESSIBLE DRILL RIGS AND EQUIPMENT**

# WEST AFRICAN PEER COMPARISON

## ENTERPRISE VALUE A\$M

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\*values as at 21 February 2017

EV data - Marketcap via Bloomberg.com, peer company cash balance Dec 16 Quarterly Cashflow Report and OKU cash balance as at 17 February 2017.

# AN EXCEPTIONAL GROWTH PATH

## ASPIRATIONAL TIMELINE WITH SIGNIFICANT NEWS FLOW

**\$0.55M Placement @ 6.5c**

AC Drilling at Dandoko Project

High grade gold results from initial drilling (21m@5.67g/t & 3m@12.80g/t at Disse)

Drilling at Yanfollla and Socaf Projects

**\$3.5M Placement @ 7.5c**

High grade gold from Socaf Projects

RC Drill program at Diabarou Prospect

29m @ 10.42g/t Gold at Diabarou Prospect

Moussala Tenement Granted

Socaf Project drilling - 13m@2.85g/t

Second Program of drilling at Diabarou Prospect

High Grade Gold Intersections at Diabarou Prospect

40,000m Auger commenced Dandoko and Moussala

7,000m RC drilling Diabarou and Disse commenced

25,000m drill program extension, AC and RC drilling approved and underway

Identification of new prospects from extensional drilling completed at

airborne geophysical survey completed at

Seiko

Significant new gold trends outlined at

Moussala

Auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

Discovery from auger drilling

2015

2016

Q1 2017

Q2 2017



**The Dandoko project has the potential to form an open pittable gold resource in a region that has five multi-million ounce gold deposits....**

Proactive Investors 06 July 2016



# PURSUING OPPORTUNITY

## INVESTING IN OKLO RESOURCES



### **HIGHLY EXPERIENCED MANAGEMENT TEAM**

involved in over 40Moz of gold discoveries in West Africa.

### **EXTENSIVE LAND POSITION IN MAJOR GOLD REGION**

large landholding covering over 1,300 km<sup>2</sup> in Mali, West Africa with strong exploration potential.

### **KEY FOCUS TO OUTLINE RESOURCE**

at Dandoko, with continued advanced exploration over multiple targets.

### **EXCELLENT INITIAL FIRST PASS DRILLING**

results from Dandoko Project - new discovery at Diabarou and significant new gold trends outlined at Seko discovery.

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**[www.okloresources.com](http://www.okloresources.com)**

**Simon Taylor** Managing Director

T: + 61 2 8319 9233 M: + 61 409 367 460

E: [staylor@okloresources.com](mailto:staylor@okloresources.com)

**Phil Retter** Investor Relations NWR Communications

M: + 61 409 440 882

E: [phil@nwrcommunications.com.au](mailto:phil@nwrcommunications.com.au)

**Australian Office**

Level 5, 56 Pitt St Sydney NSW 2000

**Mali Office**

Operating as Africa Mining Sarl

Rue 841, Porte 57, BP 366 Faladje Sema Bamako

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# RECOVERABLE GOLD

## DANDOKO PROSPECT

- ▶ Check 2kg Bottle Roll Leach analysis regularly used to confirm gold grades against conventional 50g fire assay analysis.
- ▶ Bottle Roll Leach analyses regularly **capture more gold** over conventional fire assay analyses eg:

DRILL HOLE	WIDTH (m)	FIRE ASSAY GOLD (g/t)	BOTTLE ROLL GOLD (g/t)
RCDK015-28	29	5.62	10.41
RCDK016-35	21	4.37	4.83
RCDK016-32	21	1.74	2.00
DDDK016-03	19	3.22	3.49

- ▶ Increased capture shows gold that can be liberated with a simple grinding and leaching process. Roasting not required. Expectation of simple metallurgy.
- ▶ Presence of coarse nuggety gold that can be recovered by a simple gravity circuit.
- ▶ Regionally deposits have **>90% gold recovery**:
  - ▶ Randgold - Luolo Goukoto Complex - **91.5%**<sup>1</sup>
  - ▶ B2Gold - Fekola PFS - **92.5%**<sup>2</sup>

**COARSE GOLD IN PANNED SAMPLE FROM 36-37 METRES IN HOLE RCDK016-37 WHICH ASSAYED >100G/T GOLD**

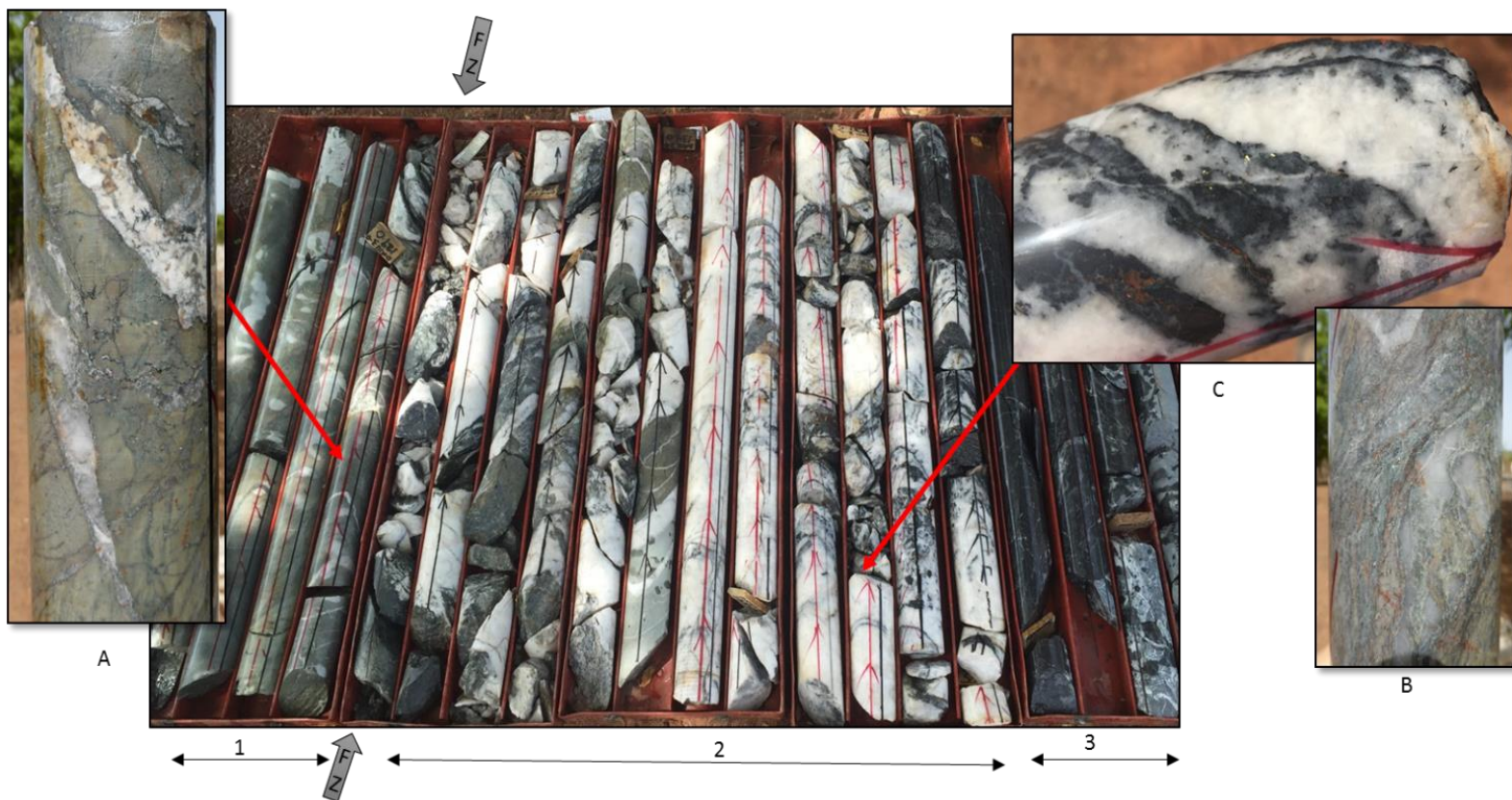


<sup>1</sup> <http://www.randgoldresources.com/sites/randgoldresources/files/Loulo-Goukoto%20Complex%20January%202016.pdf>

<sup>2</sup> <http://www.stocknessmonster.com/news-history?S=PIR&E=ASX&Year=2014>

# DIABAROU PROSPECT

## DIAMOND DRILL CORE



### Drill core from DDDK16-002.

**Zone 1:** Hangingwall, early phase sericite, silica, pyrite, hematitic carbonate alteration (inset A) with fault zone (FZ) showing breccia and fragments of footwall and hangingwall material.

**Zone 2:** later stage quartz veining with visible gold associated with later phase pyrite, arsenopyrite, albite and tourmaline (inset B).

**Zone 3:** altered graphitic turbidites at faulted footwall contact with quartz lode. Inset C visible gold (circled) within fragments of graphitic unit included within later stage quartz veining.