

**OKLO** ASX:OKU  
RESOURCES LIMITED



# EXPLORING AMONG THE GOLDEN GIANTS

PRECIOUS METALS SUMMIT PRESENTATION - SEPTEMBER 2018

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The information in this presentation that relates to Exploration Results is based on information compiled by geologists employed in Africa Mining (a wholly owned subsidiary of OKU) and reviewed by Mr Simon Taylor, who is a member of the Australian Institute of Geoscientists. Mr Taylor is the Managing Director of OKU. 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 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.

# GOLDEN FOOTPRINT

## 1,400KM<sup>2</sup> STRATEGIC LANDHOLDING IN PROLIFIC GOLD BELT

**12KM GOLD CORRIDOR IDENTIFIED INCLUDING SEKO DISCOVERY** at Dandoko Project, 30km east of B2Gold's 5.15Moz Fekola mine.

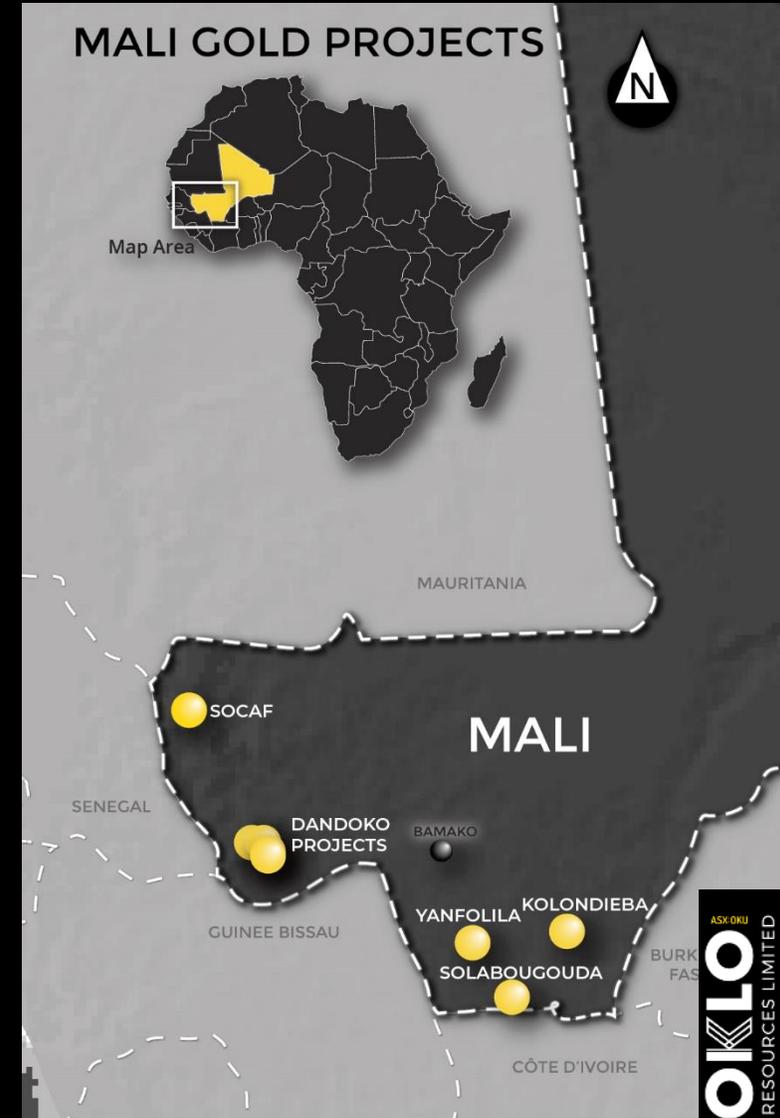
► **SEKO** - drilling *since March 2017* has included:

33m at 4.97g/t gold	45m at 4.38g/t gold
62m at 5.26g/t gold	31m at 6.27g/t gold
30m at 4.47g/t gold	46m at 4.03g/t gold
40m at 10.66g/t gold	29m at 12.27g/t gold

**6KM GOLD CORRIDOR REVEALED AT KOUROUFING PROJECT** 20km south-east of Dandoko Project.

**\$15M DRIVING EXPLORATION AND NEWSFLOW**  
funded for 2019 drill season.

**EXPLORATION PROGRAMS** led by experienced management team, involved in > 40Moz of gold discoveries in West Africa.



# STRONG FOUNDATION

## CORPORATE OVERVIEW

### CAPITAL STRUCTURE

**A\$95.3M**  
MARKET CAP AT  
A\$0.27/SHARE

**A\$80.3M**  
ENTERPRISE  
VALUE

**~A\$15.0M**  
CASH BALANCE  
(SEPT 2018)

**352.7M**  
SHARES ON  
ISSUE

Unlisted Options  
average exercise A\$0.32

25.9M

### MAJOR SHAREHOLDERS

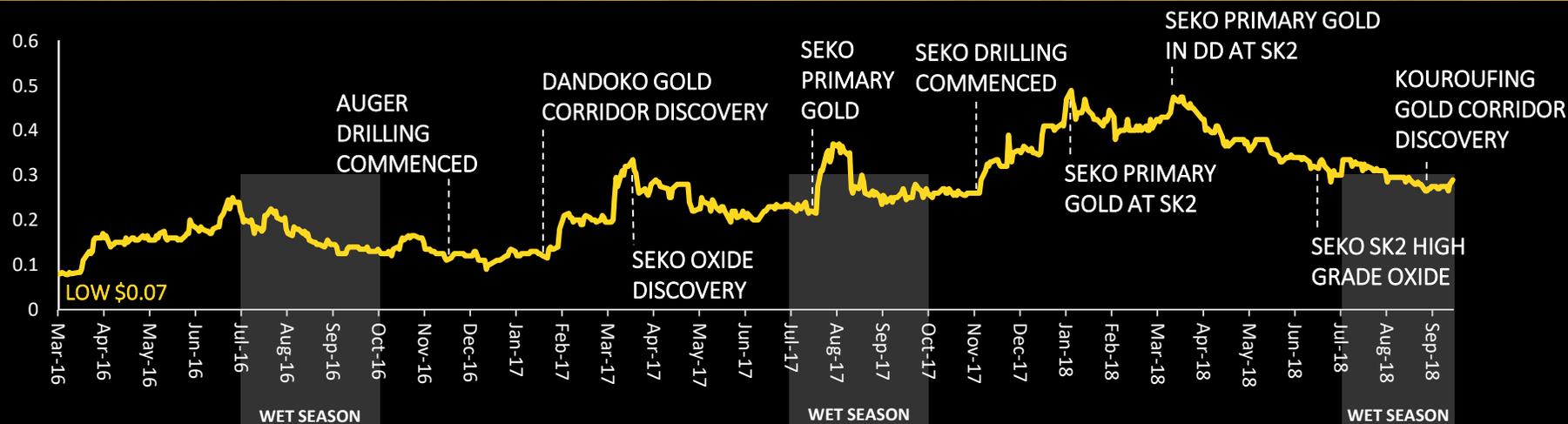
BlackRock Group	14.64%
Resolute Mining Ltd	10.29%
1832 Asset Management	9.83%
Hawkestone Group	6.27%
Directors & Management	5.27%
Ack Pty Ltd	4.68%

**74%** TOP 20  
SHAREHOLDERS

### BOARD & MANAGEMENT

- ▶ **MICHAEL FOTIOS**  
NON-EXECUTIVE CHAIRMAN
- ▶ **SIMON TAYLOR**  
MANAGING DIRECTOR & CEO
- ▶ **DR MADANI DIALLO**  
DIRECTOR - COUNTRY MANAGER
- ▶ **ANDREW BOYD**  
GM - EXPLORATION
- ▶ **LARA IACUSSO**  
CHIEF FINANCIAL OFFICER

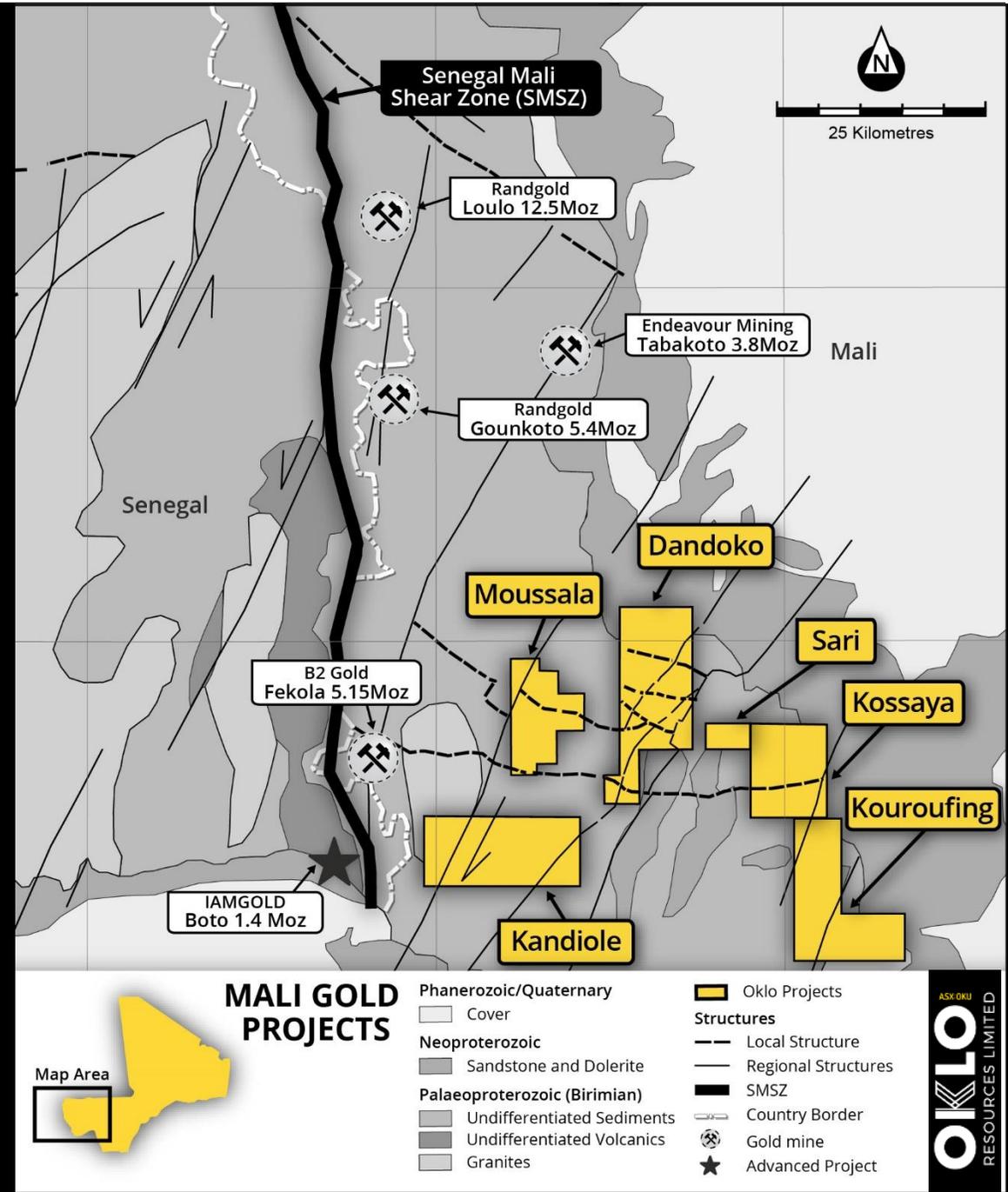
### 30 MONTH SHARE PRICE PERFORMANCE



# LARGE PROJECT PORTFOLIO

## MULTI-MILLION OUNCE REGION

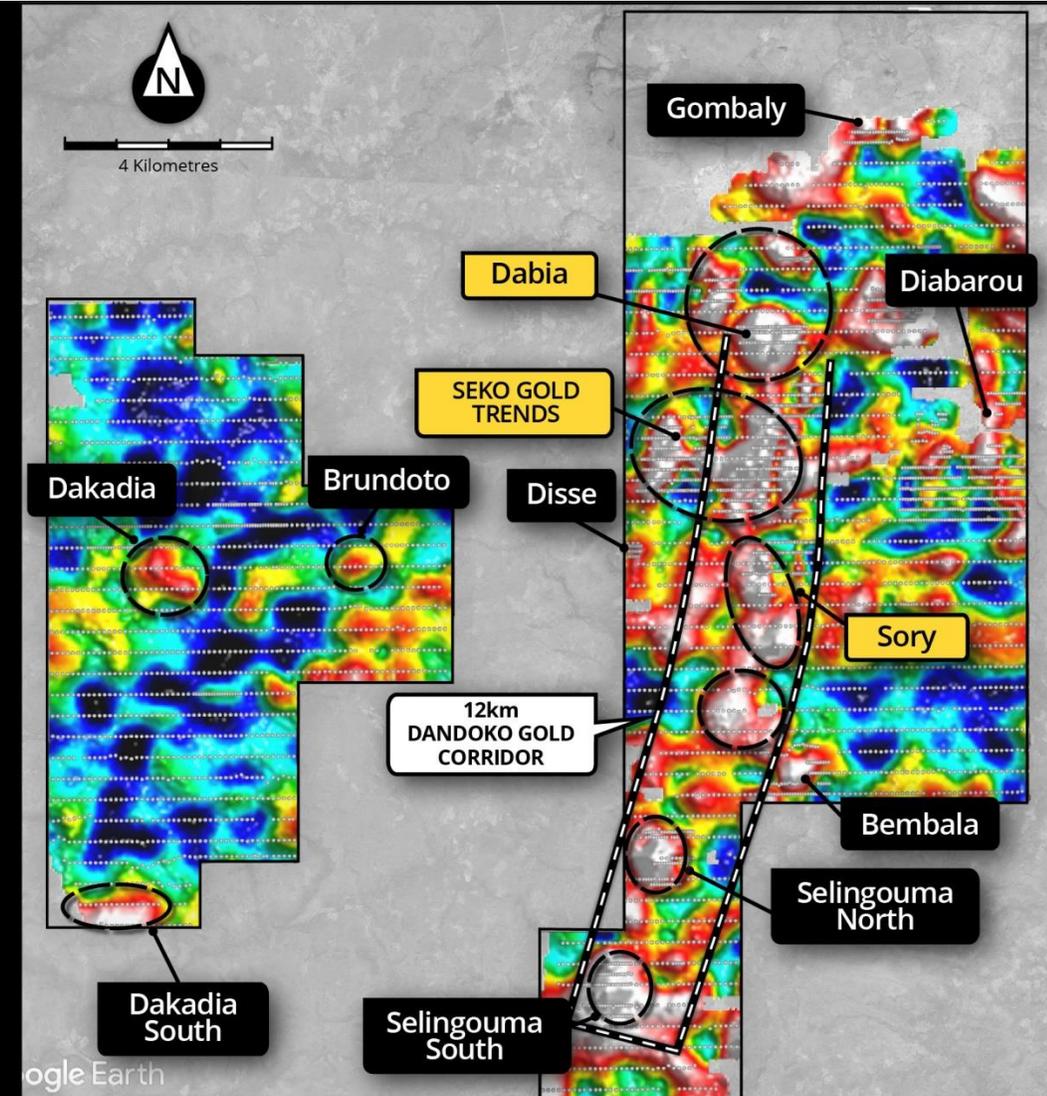
Significant increase in strategic land holding to ~500km<sup>2</sup> capturing regional potential



# UNDEREXPLORED GOLD PROJECTS WITH OUTSTANDING RESULTS TO DATE

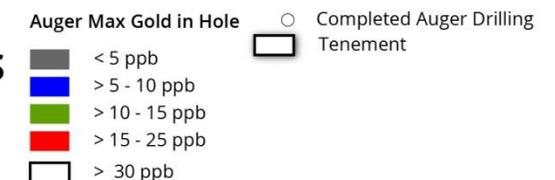
## DANDOKO AND MOUSSALA

- ▶ Auger drilling (av hole depth 12m) completed in March 2017, results delineated:
  - ▶ **12km long Dandoko gold corridor**
    - ▶ Including **Seko discovery**
  - ▶ Numerous trends at **Moussala** and results up **to 5.8g/t gold**
  - ▶ Significant upside for further discoveries along trend including **Sory and Dabia.**



### DANDOKO AND MOUSSALA PROJECTS

AUGER MAX GOLD IN HOLE



# SEKO DISCOVERY

## AGGRESSIVE DRILL PROGRAM DELIVERING RESULTS

### 2017 FIELD SEASON

- ▶ AC drilling 16,760m
  - ▶ 100m spaced traverses - average hole depth 56m
- ▶ Significant shallow oxide gold confirmed in all 5 Seko anomalies

#### OXIDE ZONE

- ▶ 28m at 3.38g/t gold from 2m  
*inc 17m at 5.04g/t gold from 2m*
- ▶ 17m at 4.04g/t gold \* from 16m
- ▶ 54m at 1.37g/t gold from 0m  
*inc 24m at 2.02g/t gold from 12m*
- ▶ 34m at 1.92g/t gold from 11m  
*inc 22m at 2.05g/t gold from 13m*

- ▶ 35m at 1.86g/t gold from 55m  
*inc 15m at 3.02g/t gold from 64m*
- ▶ 13m at 2.29g/t gold\* from 83m
- ▶ 13m at 2.27g/t gold from 23m
- ▶ 5m at 10.25g/t gold from 10m
- ▶ 18m at 2.01g/t gold from 51m
- ▶ 40m at 1.51g/t gold from 0m

### 2018 FIELD SEASON

(FINAL ASSAYS PENDING)

- ▶ AC drilling 13,214m in 155 holes
- ▶ RC drilling 14,133m in 82 holes
- ▶ DD drilling 7,776m in 35 holes
- ▶ Significant shallow gold in oxide + deeper primary gold confirmed in 2 Seko anomalies

#### OXIDE ZONE

- ▶ 62m at 5.26g/t gold from 3m  
*inc 30m at 7.09g/t gold from 26m*
- ▶ 30m at 4.47g/t gold from 0m  
*inc 6m at 12.31g/t gold from 24m*
- ▶ 79m at 2.17g/t gold from 0m  
*inc 40m at 3.85g/t gold from 30m and 20m at 5.72g/t gold from 48m*
- ▶ 40m at 10.66g/t gold from 25m  
*inc 10m at 23.82g/t gold from 37m*
- ▶ 29m at 12.27g/t gold from 1m  
*inc 8m at 36.9g/t gold from 7m*

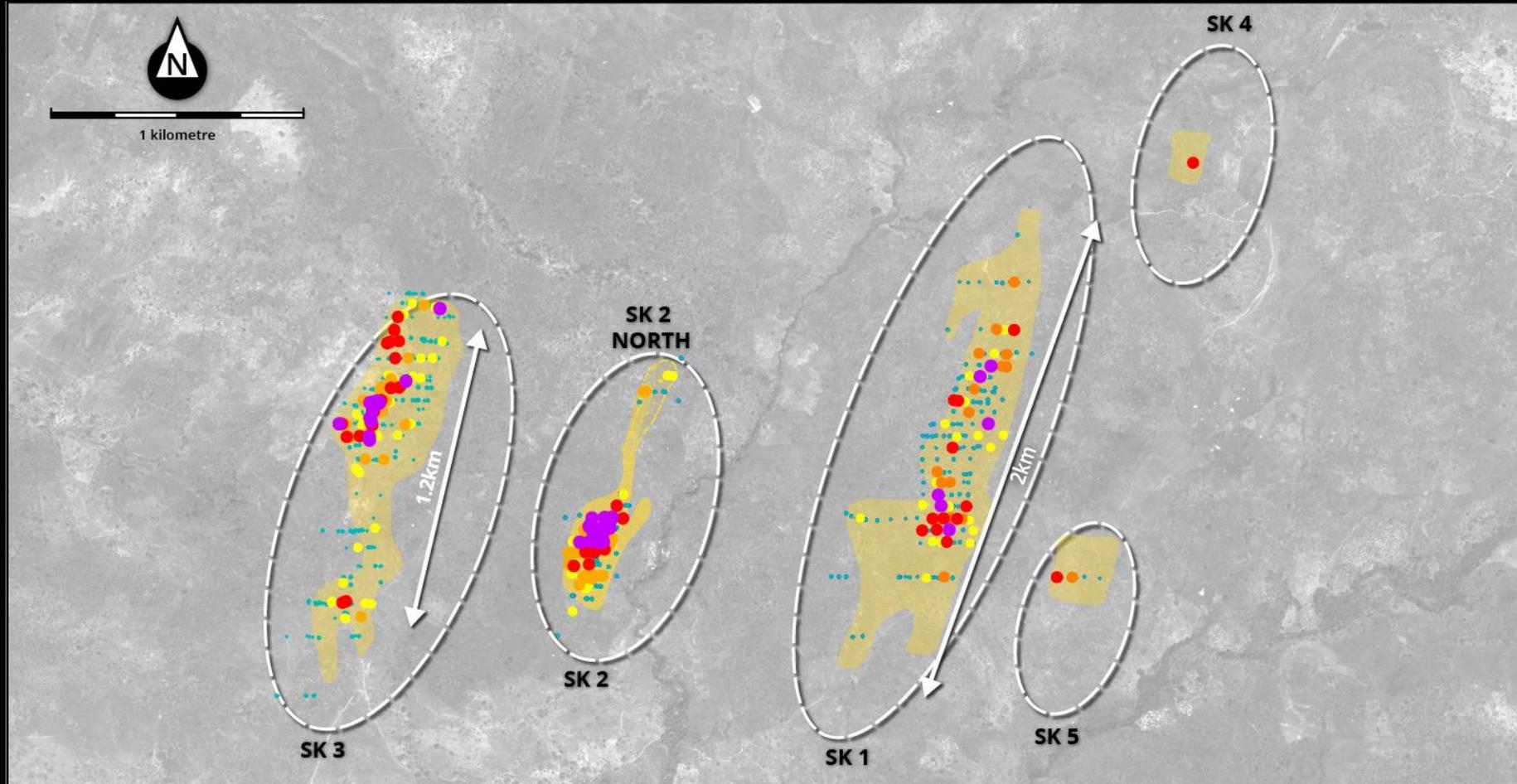
#### PRIMARY ZONE

- ▶ 45m at 4.38g/t gold from 96m  
*inc 9m at 11.02g/t gold from 112m*
- ▶ 31m at 6.27g/t gold from 101m  
*inc 8m at 17.20g/t gold from 102m*
- ▶ 46m at 4.03g/t gold from 111m  
*inc 5m at 11.86g/t gold from 147m*
- ▶ 33m at 4.97g/t gold\* from 63m  
*inc 13m at 9.69g/t gold from 64m*
- ▶ 51m at 2.22g/t gold from 180m  
*inc 17m at 4.79g/t gold from 196m*

\* Hole ended in mineralisation

# SEKO DISCOVERY

## AC, RC & DD GOLD TRENDS – 2017-18 RESULTS



### DANDOKO PROJECT SEKO PROSPECT

#### AC, RC AND DD DRILLING RESULTS

Average vertical hole depth 56m - Aircore

Average vertical hole depth 160m - RC

1800917\_ppt

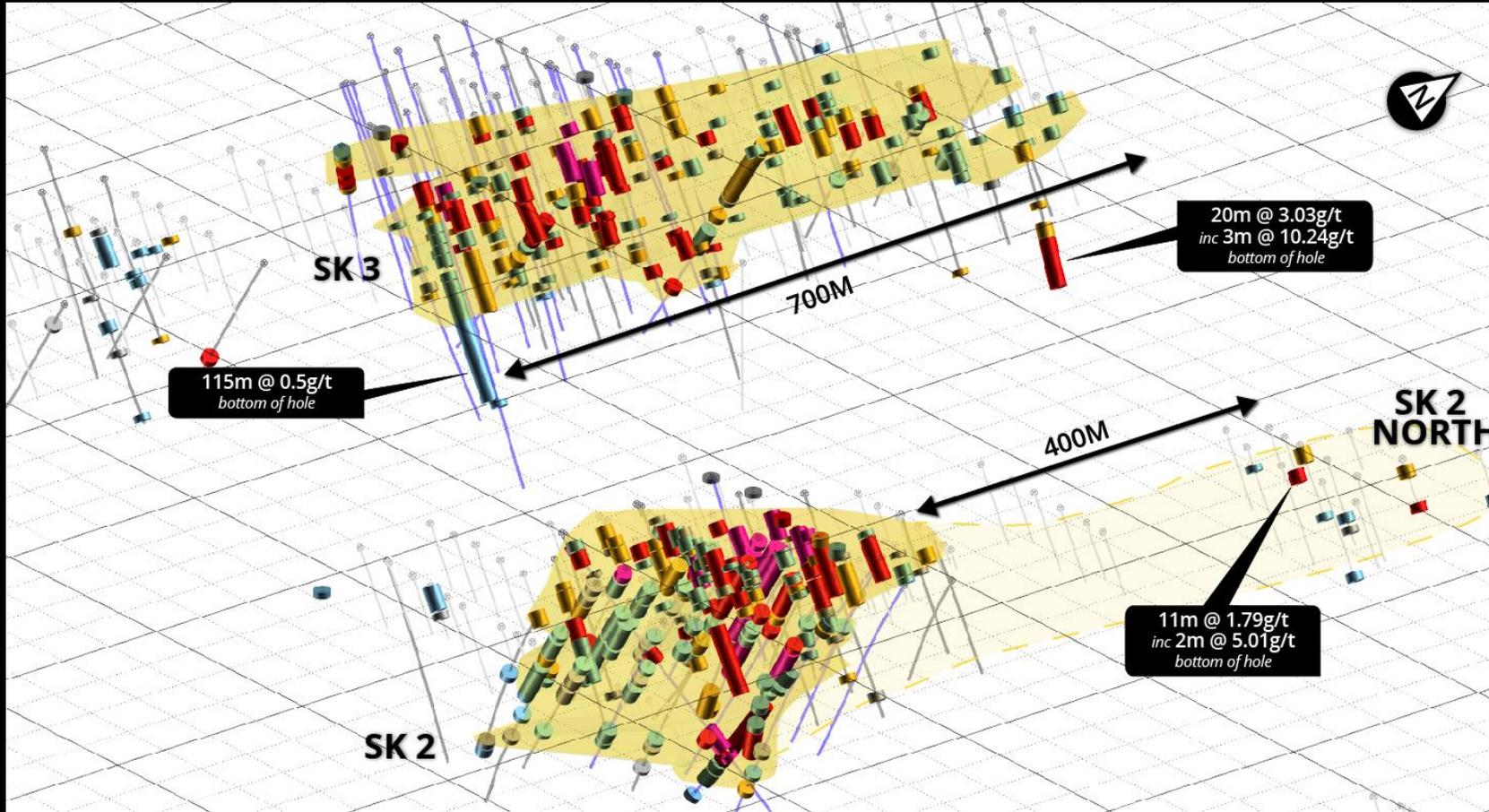
Significant Interval Grade Thickness = g/t x m

- 0.5 - 5
- 5 - 10
- 10 - 20
- 20 - 50
- >50
- Auger gold trend
- Aircore and RC gold trend

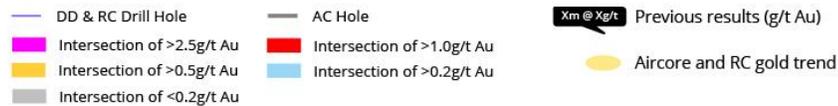
*Significant Grade Thickness Intervals are reported using a threshold where the interval has a 0.5g/t Au average or greater over the sample interval and selects all material greater than 0.10g/t Au allowing for up to 2 samples of included dilution every 10m, then calculating the grade thickness product of each of these intersections on a per interval basis.*

# SEKO DISCOVERY

## AC, RC & DD GOLD TRENDS – 2017-18 RESULTS ONGOING TARGETING



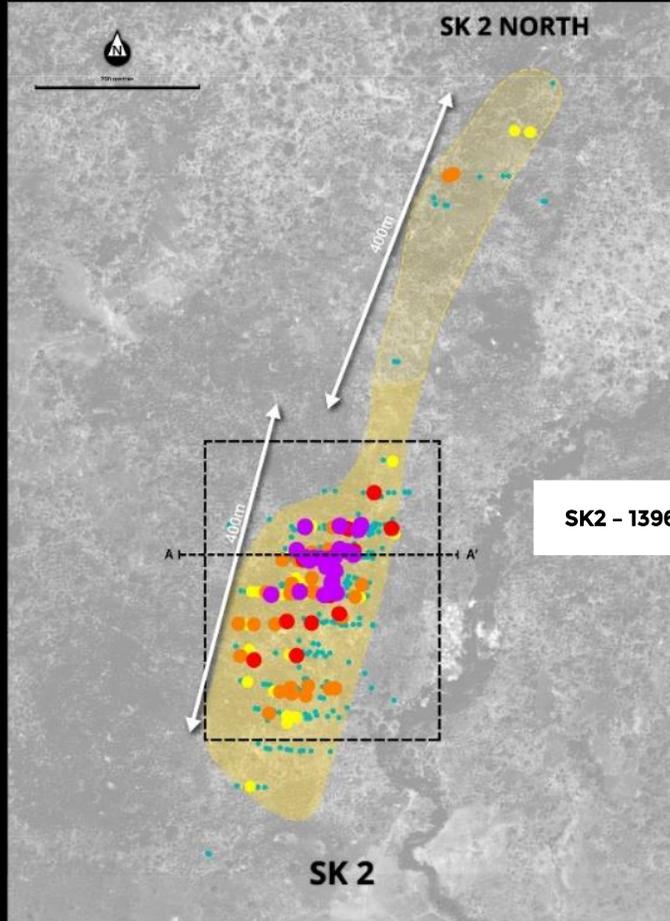
### DANDOKO PROJECT SEKO PROSPECT



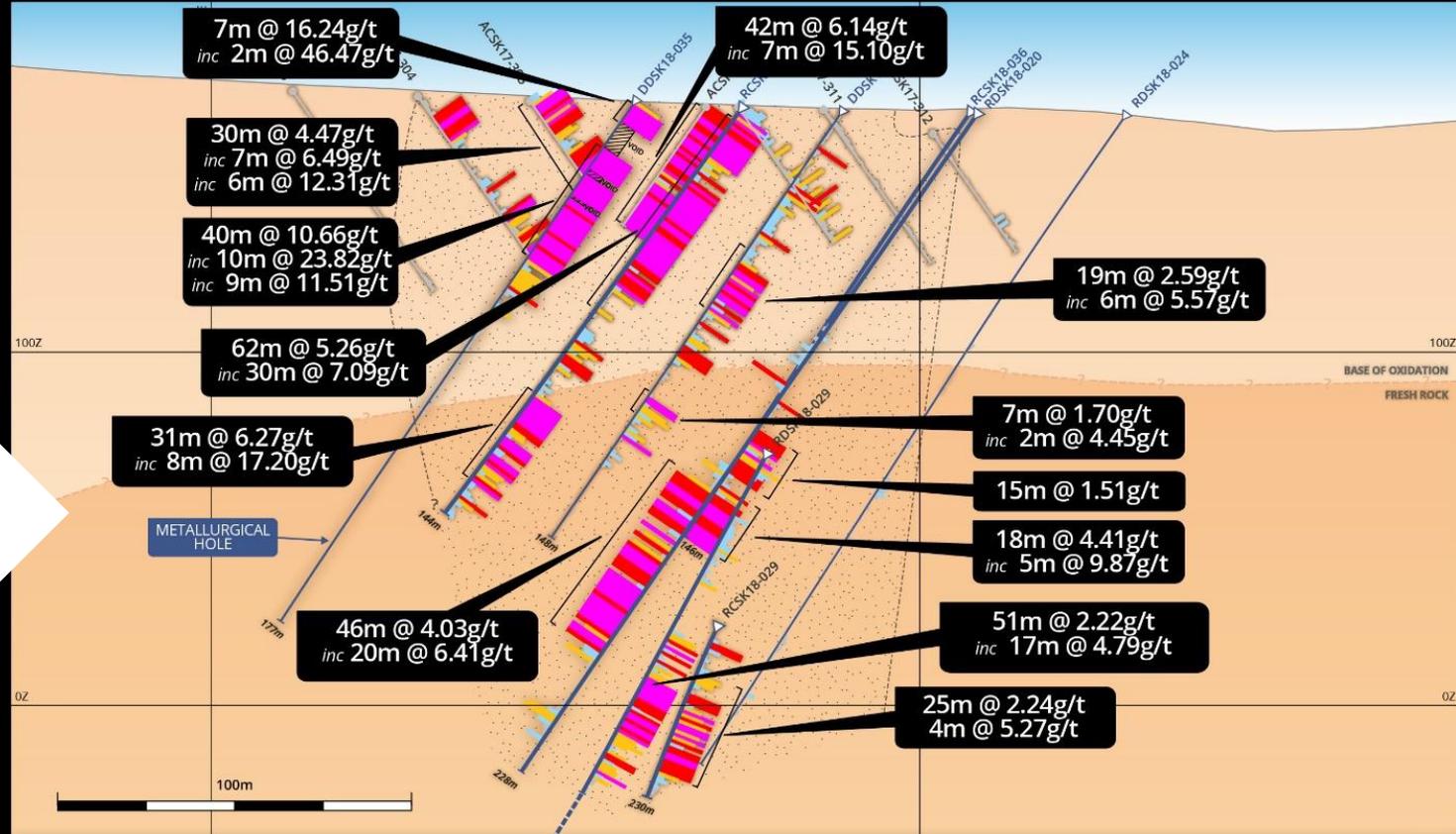
Intersections are calculated by selecting all material  $\geq 0.1$ g/t Au with 2m of internal dilution and an overall grade of  $\geq 1.0$ g/t.

# SEKO DISCOVERY SK2

## DRILL PLAN - CROSS SECTION - 1396360mN



SK2 - 1396363 mN



### DANDOKO PROJECT SEKO CROSS SECTION

SK2 - 1396360 mN

180830\_SV

- Hole type**
- Aircore
  - Diamond (and inc. RC precollar)
  - Reverse Circulation
  - Continues off Section
- Grade intersections**
- Intersection of >2.5g/t Au
  - Intersection of >1.0g/t Au
  - Intersection of >0.5g/t Au
  - Intersection of >0.2g/t Au
  - Intersection of <0.2g/t Au
  - Mineralised gold envelope
- Other symbols**
- Results this release g/t Au
  - Results previously announced g/t Au
  - Void
- Intersections are calculated by selecting all material > 1.0g/t Au with 2m of internal dilution and an overall grade of > 1.0g/t.

**DANDOKO PROJECT SK2**  
AC, RC AND DD DRILLING RESULTS  
Average vertical hole depth: 50m. Aircore: Average vertical hole depth: 10m. RC: Average vertical hole depth: 10m.

**Significant Interval Grade thickness - g/t Au**

0.5 - 1.0	1.0 - 1.5	1.5 - 2.0	2.0 - 2.5
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**Angle pattern**  
None - white, gold line

**AC - RC AND DD DRILLING RESULTS**  
AC - previous result g/t Au  
RC - previous result g/t Au  
DD - previous result g/t Au

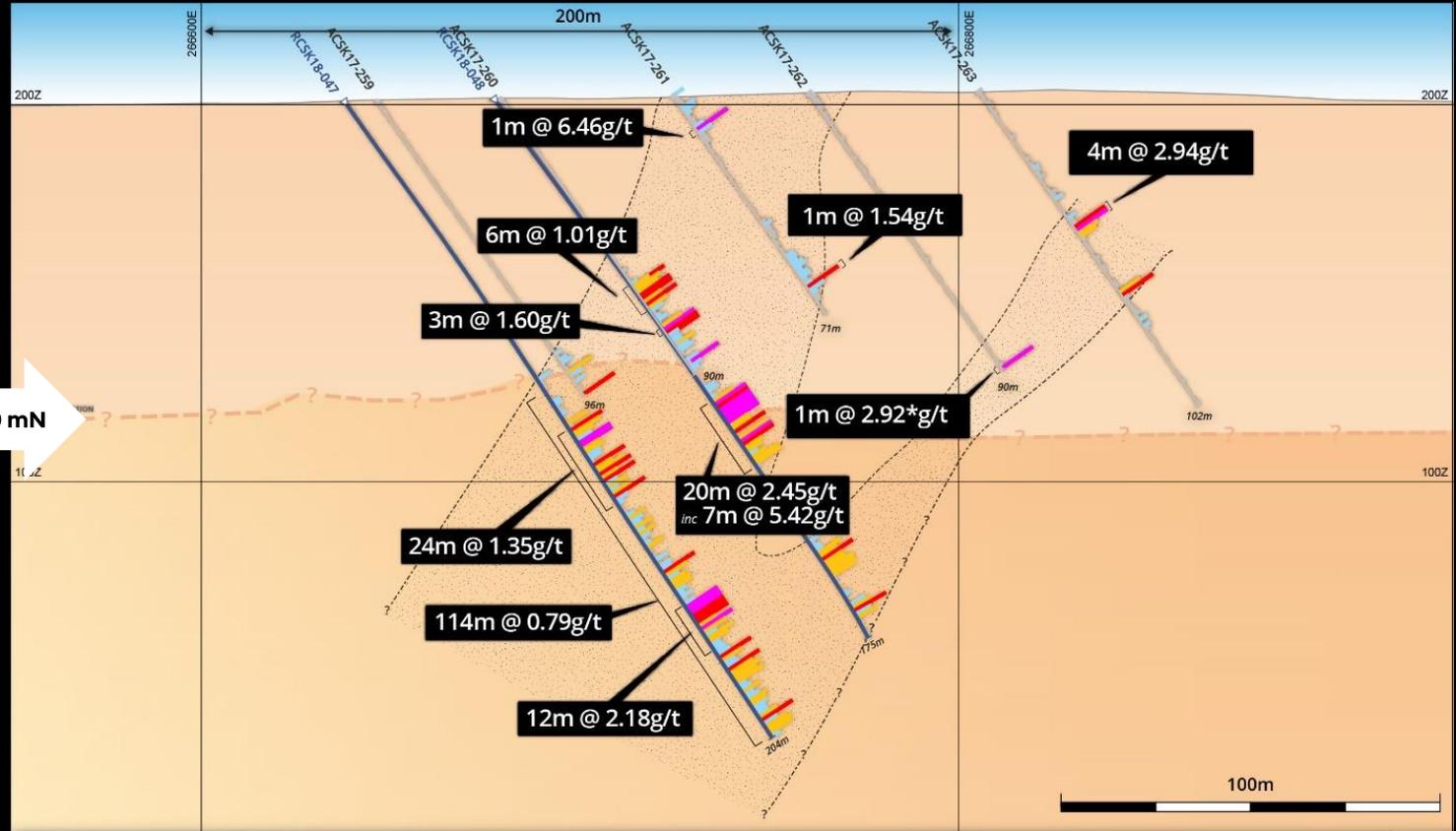
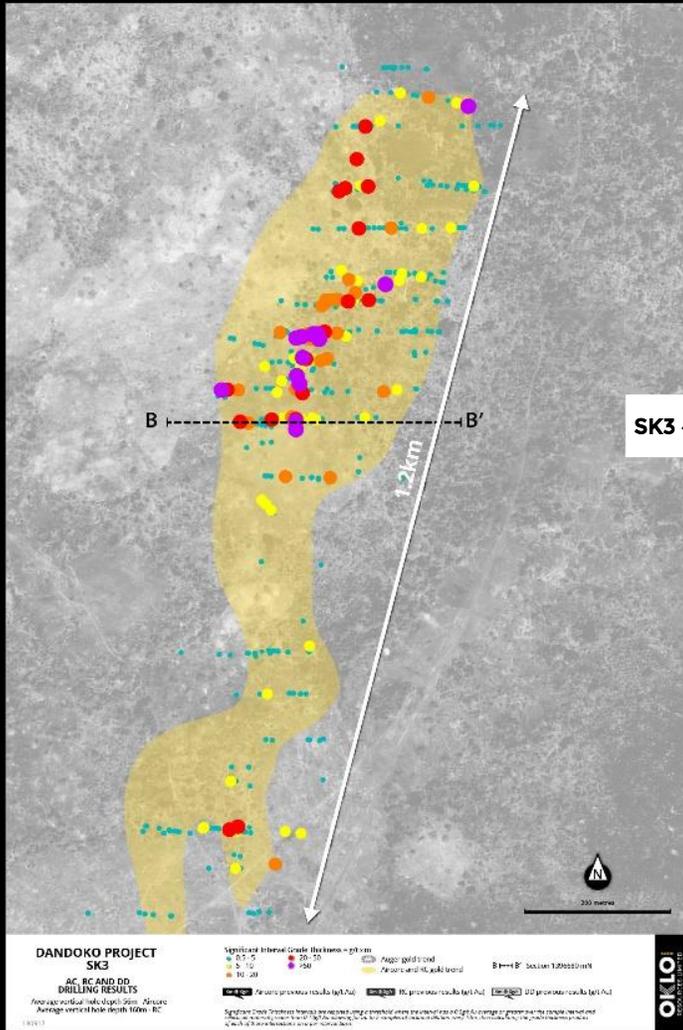
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# SEKO DISCOVERY SK3

## DRILL PLAN CROSS SECTION - 1396680mN



**DANDOKO PROJECT SEKO CROSS SECTION**  
SK3 - 1396680 mN

180824\_SV

**Hole type**  
 Aircore (grey line), Diamond (and inc. RC precollar) (blue line), Reverse Circulation (red line)

Intersection of >2.5g/t Au (pink), Intersection of >1.0g/t Au (red), Intersection of >0.5g/t Au (yellow)  
 Intersection of >0.2g/t Au (light blue), Intersection of <0.2g/t Au (grey), Mineralised gold envelope (dashed line)

X Results previously announced g/t Au

Intersections are calculated by selecting all material  $\geq 0.1g/t$  Au with 2m of internal dilution and an overall grade of  $\geq 1.0g/t$ .

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SOUTHERN POINT OF SK3 further drill testing of trend extension

# SEKO DISCOVERY LOCATION



# PRELIMINARY METALLURGICAL TESTWORK

## FAVOURABLE RESULTS FROM SEKO

- ▶ 86 samples (20 oxide and 66 primary) collected from RC and DD holes at SK 1-3 submitted 24 hour bottle roll cyanide leach analysis
- ▶ Further metallurgical studies underway

### SUMMARY - FIRE ASSAY AND BOTTLE ROLL CYANIDE LEACH GOLD RESULTS

	OXIDE	FRESH	ALL
<b>FIRE ASSAY - GOLD (PPM)</b>	4.03	3.64	3.73
<b>BOTTLE ROLL – GOLD (PPM)</b>	3.96	3.43	3.55
<b>RECOVERY*</b> (leach % of fire assay)	98.2%	94.2%	95.2%

### HOLE NUMBERS, SAMPLE INTERVALS AND FIRE ASSAY V BOTTLE ROLL CYANIDE LEACH GOLD RESULTS

HOLE ID	FROM	TO	FIRE ASSAY GOLD (PPM)	BOTTLE-ROLL GOLD (PPM)	RECOVERY* (leach % of fire assay)	TYPE NO. SAMPLES	LOCATION
RCSK17-026	40	52	3.45	3.40	98.6%	Oxide 52	SK1
RCSK17-015	5	13	4.90	4.79	97.8%	Oxide 8	SK2
RCSK17-012	100	127	2.87	2.87	100%	Fresh 27	SK2
RCSK17-019	110	131	3.05	2.80	91.8%	Fresh 21	SK3
RDSK18-020	137	155	5.48	4.98	90.9%	Fresh 18	SK2

# DANDOKO CORRIDOR

## NEW DISCOVERIES AT SORY & DABIA

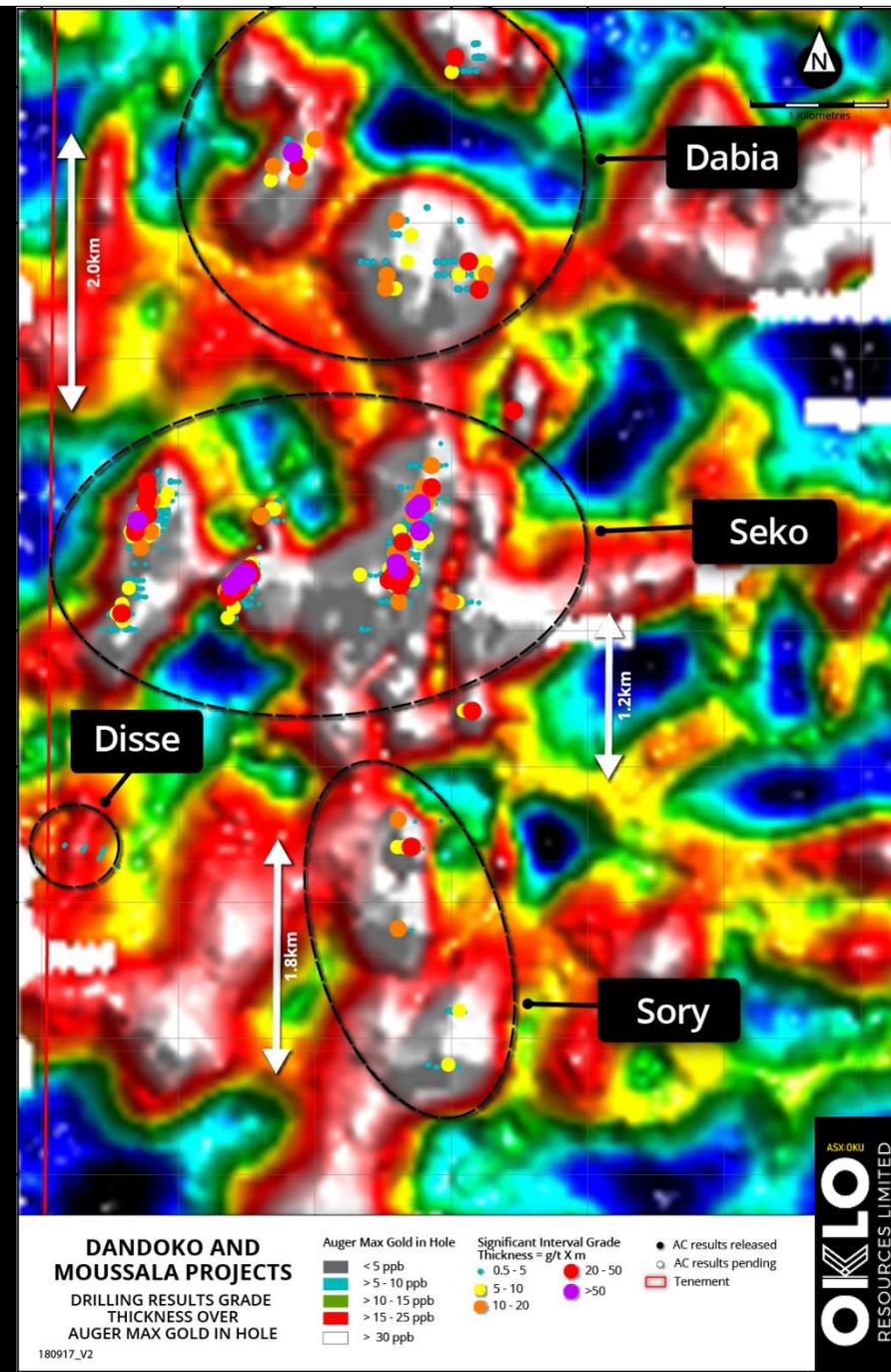
► At **Sory** drilling returned grades up to **13.3g/t gold** and multiple zones of mineralisation including:

- **14m at 1.31g/t gold** from 48m
- **5m at 2.82g/t gold** from 49m
- **5m at 2.27g/t gold** from 14m
- **44m at 1.37g/t gold** from 33m
- **35m at 1.00g/t gold** from 19m

► At **Dabia** drilling returned grades up to **16.0g/t gold** and multiple zones of mineralisation including:

- **15m at 2.05g/t gold** from 26m
- **4m at 5.03g/t gold** from 68m
- **25m at 2.50g/t gold** from 65m
- **9m at 2.66g/t gold** from 99m
- **5m at 4.85g/t gold** from 31m

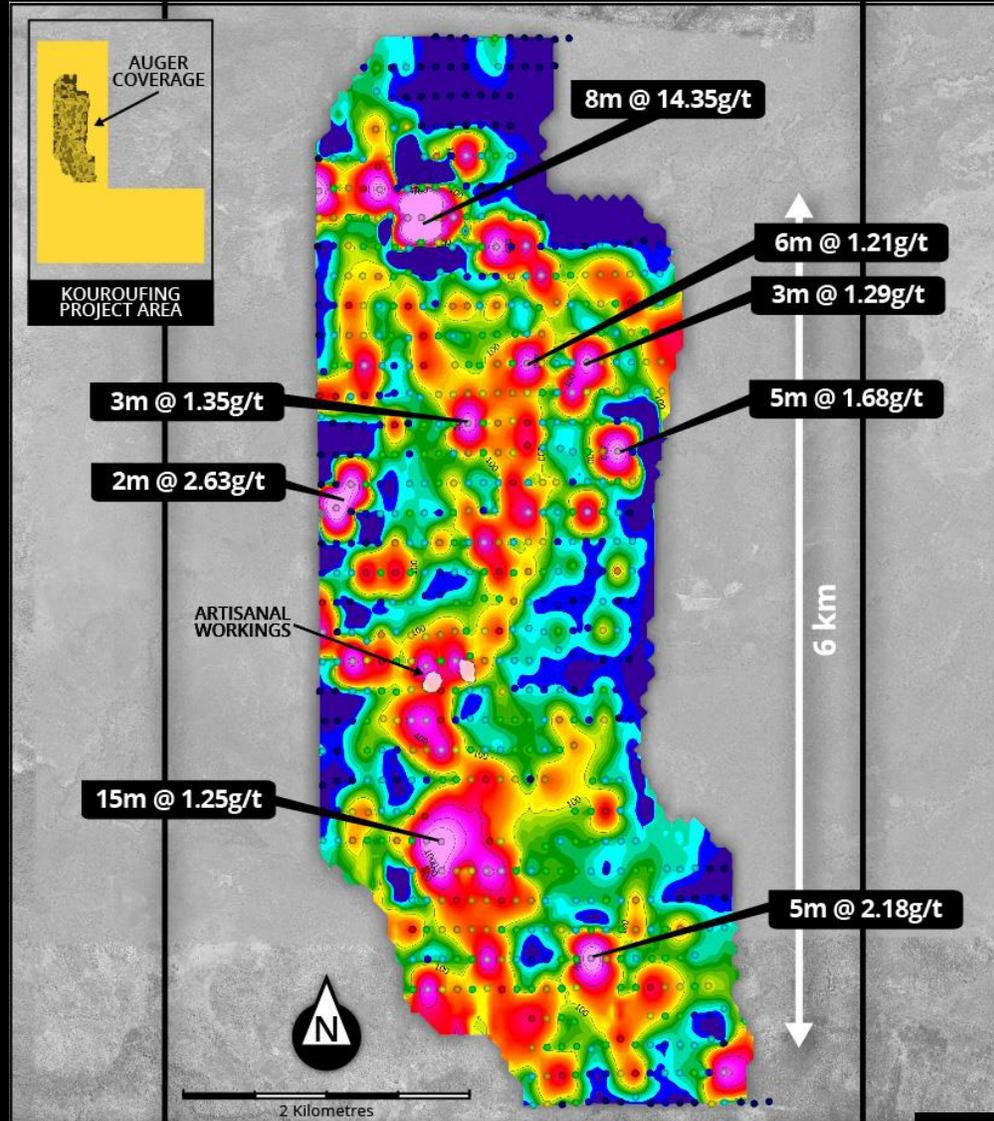
► Results confirm Dandoko Gold Corridor as a district scale trend with potential for further discoveries



# KOUROUFING PROJECT

## NEW 6KM GOLD CORRIDOR

- ▶ **6km long gold corridor** with extensive anomalies delineated from 609 shallow auger geochem holes
- ▶ **Numerous gold anomalies** of over 1km length with + 1 g/t gold from shallow holes, average depth 15m
- ▶ Best composite intersections include:
  - ▶ **8m at 14.35g/t gold** from 5m
  - ▶ **5m at 2.18g/t gold** from 7m
  - ▶ **15m at 1.25g/t gold** from 0m
- ▶ Multiple **walk up drill targets** demonstrates potential for further discoveries
- ▶ **75% of project area remains untested**



**KOUROUFING PROJECT**

AUGER MAX GOLD IN HOLE

0 - 10 ppb	100 - 150 ppb
10 - 20 ppb	150 - 250 ppb
20 - 50 ppb	250 - 500 ppb
50 - 100 ppb	>500 ppb

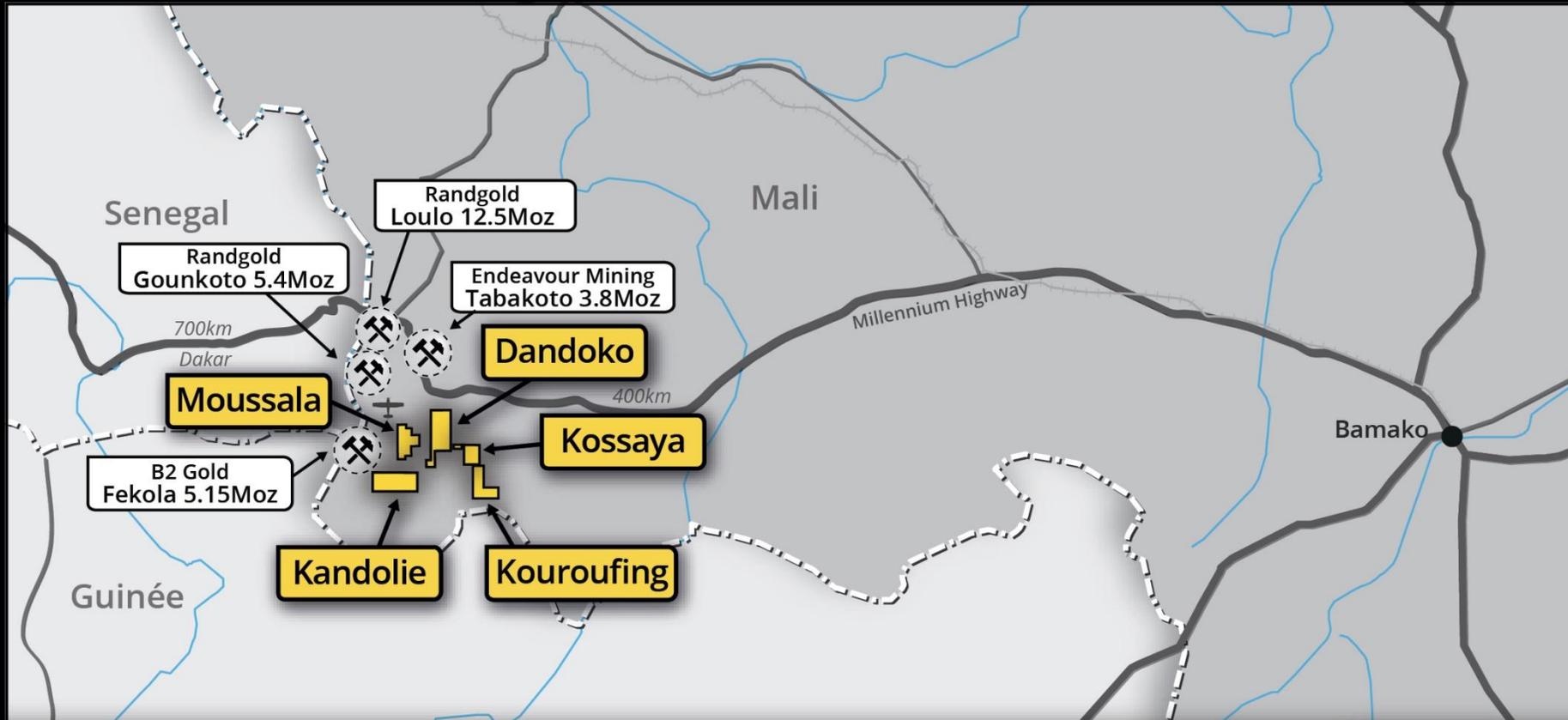
Tenement      Auger Hole Location  
 Artisanal workings

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# INFRASTRUCTURE

## ESTABLISHED REGION WITH MAJOR MINING OPERATIONS



### REGIONAL INFRASTRUCTURE

- Gold Mine
- Oklo Projects
- Country Border
- Major Road
- Secondary Road
- River
- Rail
- Kenieba Airport

# PURSUING OPPORTUNITY

## INVESTING IN OKLO RESOURCES

**EXCELLENT INITIAL FIRST PASS DRILLING** results from Dandoko with significant potential to host a large gold system.

**KEY FOCUS TO OUTLINE RESOURCE** via aggressive drilling programs, with priority exploration over the Seko discovery and other targets.

**EXTENSIVE LAND POSITION IN MAJOR GOLD REGION** large landholding covering over 1,400 km<sup>2</sup> in Mali, West Africa with strong exploration potential.

**HIGHLY EXPERIENCED MANAGEMENT TEAM** involved in over 40Moz of gold discoveries in West Africa.





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