



EXPLORING AMONG THE GOLDEN GIANTS

PRECIOUS METALS SUMMIT PRESENTATION - SEPTEMBER 2019

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This presentation contains information extracted from ASX market announcements reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("2012 JORC Code") and available for viewing at www.okloresources.com. OKU confirms that in respect of these announcements dated 21 December 2016, 30 January 2017, 21 February 2017, 3 March 2017, 7 March 2017, 15 March 2017, 30 March 2017, 6 April 2017, 26 April 2017, 29 May 2017, 21 June 2017, 12 July 2017, 25 July 2017, 14 August 2017, 16 August 2017, 4 September 2017, 28 November 2017, 5 December 2017, 20 December 2017, 5 February 2018, 22 February 2018, 8 March 2018, 28 March 2018, 3 May 2018, 16 May 2018, 22 May 2018, 2 July 2018, 6 August 2018, 28 August 2018, 3 September 2018, 12 September 2018, 19 September 2018, 30 January 2019, 19 February 2019, 6 March 2019, 11 April 2019, 17 April 2019, 27 May 2019 and 15 August 2019 it is not aware of any new information or data that materially affects the information included in any original ASX market announcement.

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

1,400KM² STRATEGIC LANDHOLDING IN PROLIFIC GOLD BELT

TWO LARGE GOLD SYSTEMS DISCOVERED

12KM DANDOKO GOLD CORRIDOR INCLUDING SEKO DISCOVERY, 30km east of B2Gold's 7.1 Moz Fekola mine.

► **SEKO** - drilling 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
46m at 4.03g/t gold
49m at 12.83g/t gold
29m at 12.27g/t gold

KOUROUFING CENTRAL AND KOME GOLD DISCOVERIES, 20km south-east of Dandoko Project.

► First drilling has included:

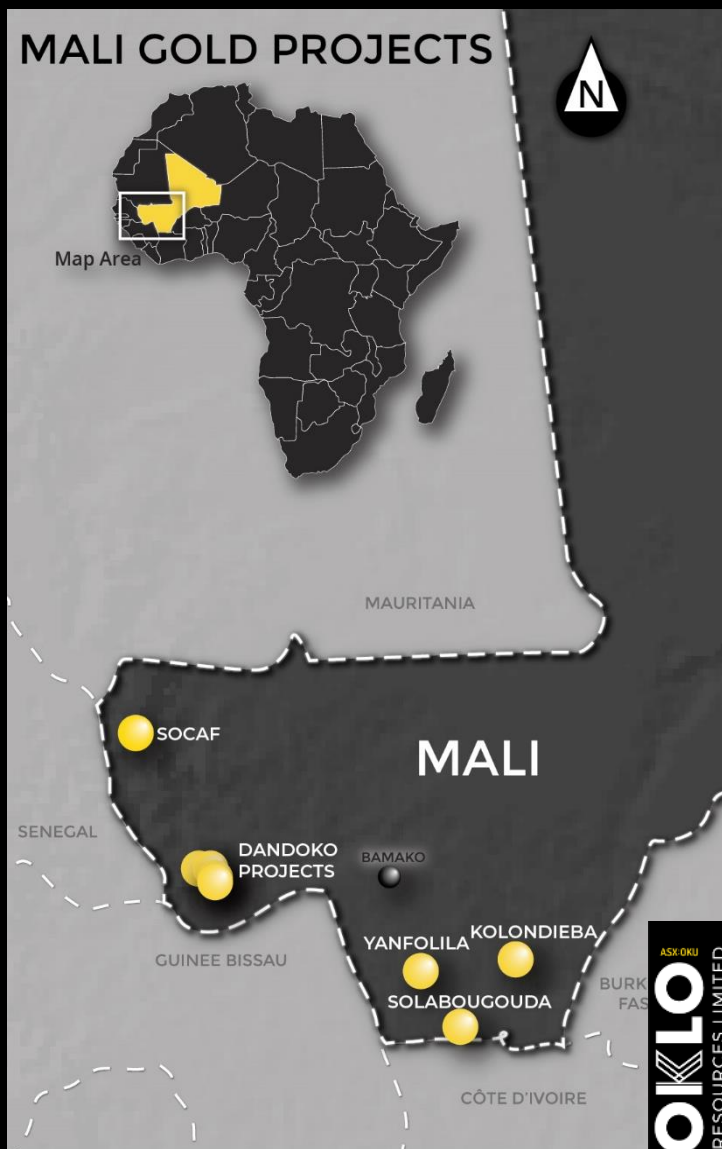
40m at 1.02g/t gold
34m at 1.12 g/t gold
8m at 10.58g/t gold
inc 2m at 39.7 g/t gold
34m at 1.06g/t gold
6m at 29.41 g/t gold
inc 2m at 77.40 g/t gold

DRILLING COMPLETED FOR 2019 FIELD SEASON

– Geological modelling, metallurgical testwork and resource delineation underway at Seko.

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

MALI GOLD PROJECTS



STRONG FOUNDATION

CORPORATE OVERVIEW

CAPITAL STRUCTURE

A\$51.5M
MARKET CAP AT
A\$0.125/SHARE

A\$41.4M
ENTERPRISE
VALUE

~A\$10.1M
CASH BALANCE
(SEP 2019)

411.9M
SHARES ON
ISSUE

Unlisted Options
average exercise A\$0.37

20.4M

MAJOR SHAREHOLDERS

BlackRock Group	13.84%
Resolute Mining Ltd	10.59%
1832 Asset Management	9.21%
Hawkestone Group	6.23%
Ack Pty Ltd	4.65%
Directors & Management	3.72%

71% TOP 20
SHAREHOLDERS

BOARD & MANAGEMENT

► **MARK CONNELLY** *NON-EXECUTIVE CHAIRMAN*

Seasoned financial and commercial executive with extensive resource industry experience across multiple jurisdictions. Track record for deal making in Africa includes merger of Papillon Resources with B2Gold in 2014 and Adamus with Endeavour Mining in 2011.

► **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.

► **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.

► **ANDREW BOYD** *GM - EXPLORATION*

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

► **SIMON O'LOUGHLIN** *NON-EXECUTIVE DIRECTOR*

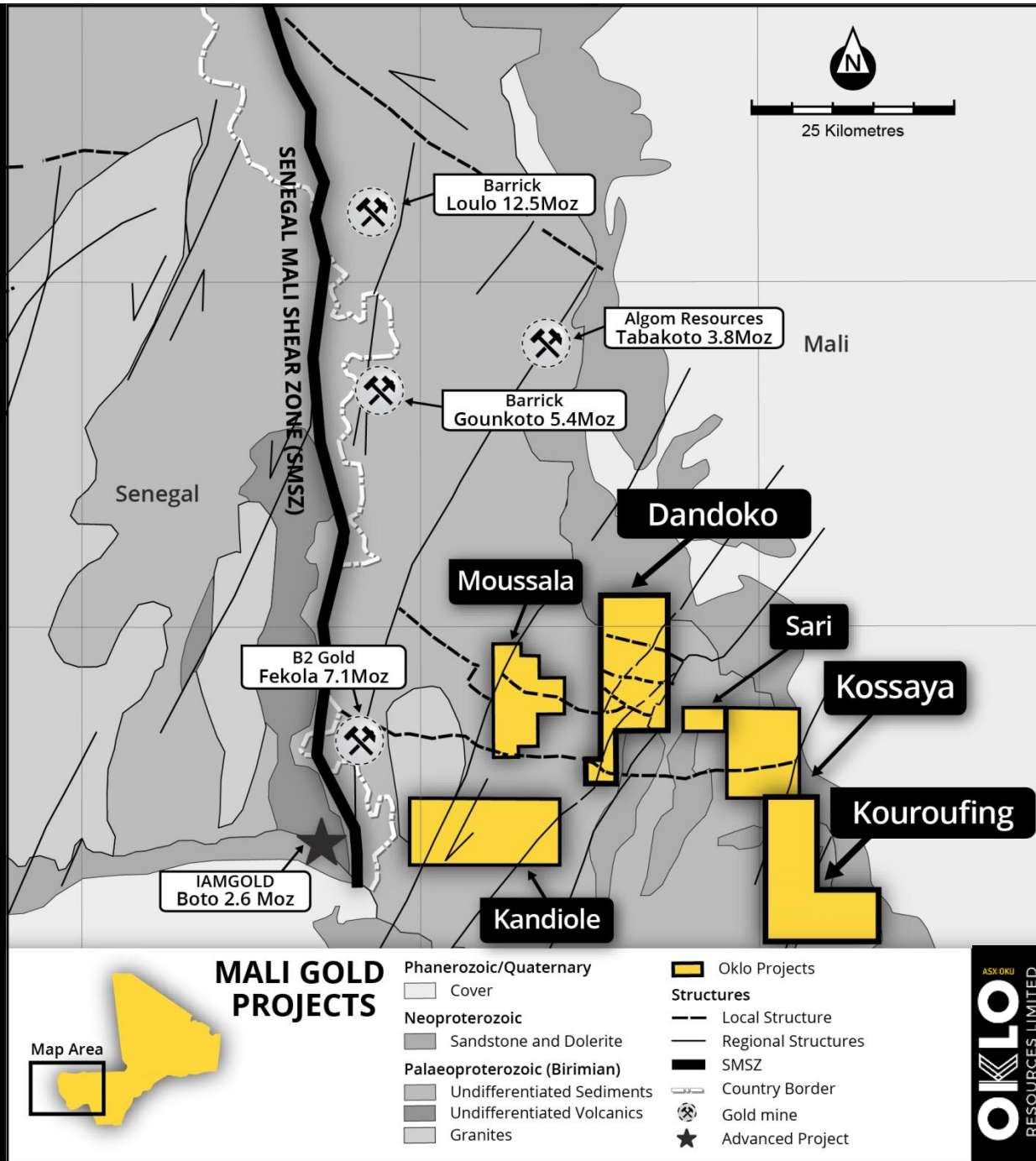
Simon is the founding member of O'Loughlins Lawyers, an Adelaide based medium- sized, specialist commercial law firm.

LARGE PROJECT PORTFOLIO MULTI-MILLION OUNCE REGION

~500km² strategic
land holding

Excellent results
from flagship
Dandoko Project

New gold system
discovery at
Kouroufing Project

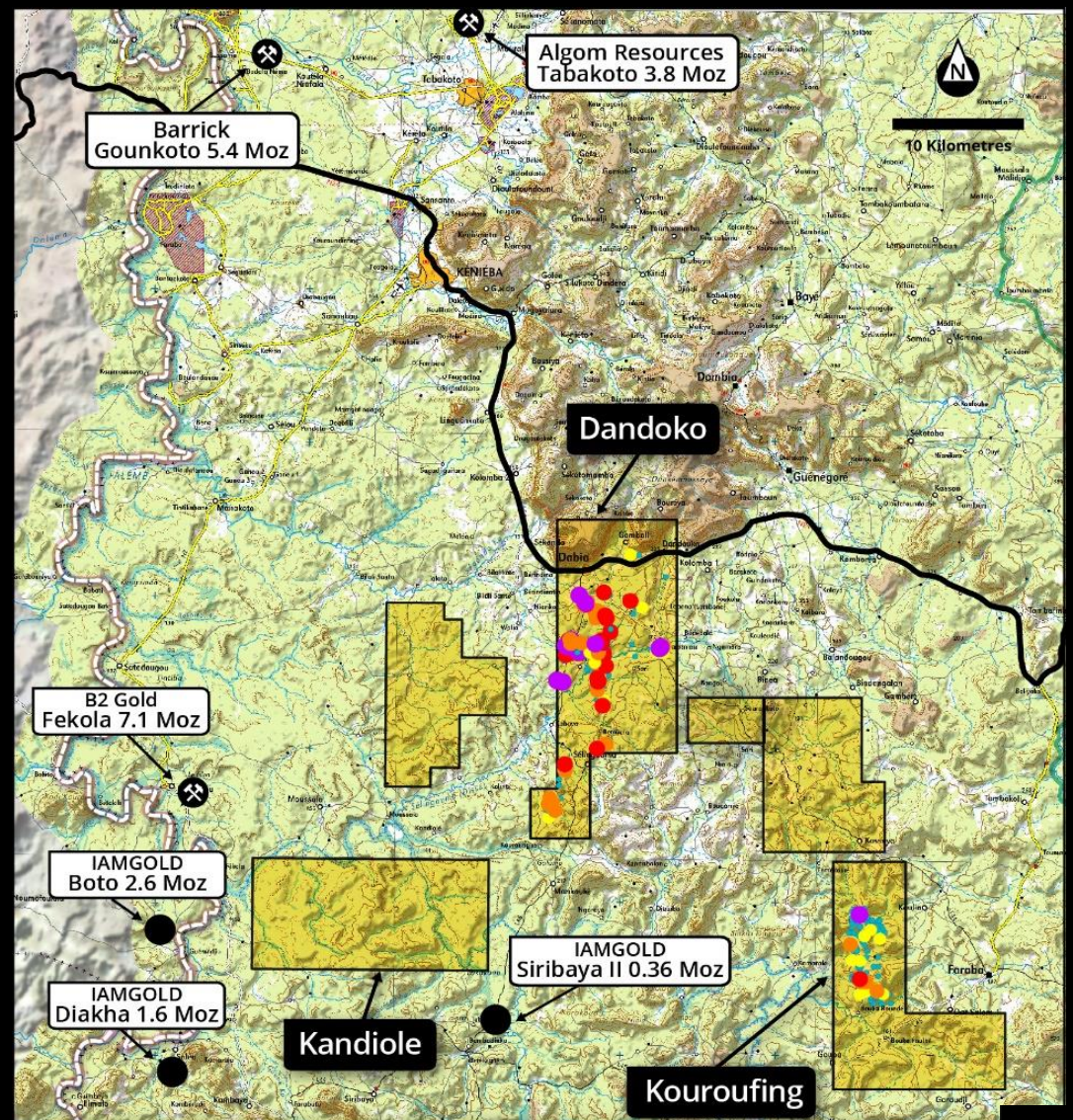


AN EXCELLENT NEIGHBOURHOOD

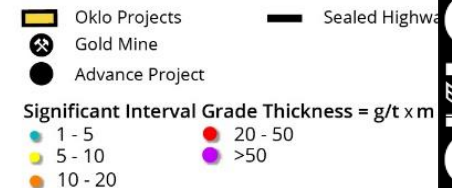
Good Access

Infrastructure

Existing mines



WEST MALI GOLD PROJECTS INFRASTRUCTURE AND TOPOGRAPHY



THE RIGHT CHARACTERISTICS GEOLOGICAL PROCESSES IN PLACE.... ...SIMILARITIES TO LARGE SYSTEMS

FEKOLA



GOUNKOTO

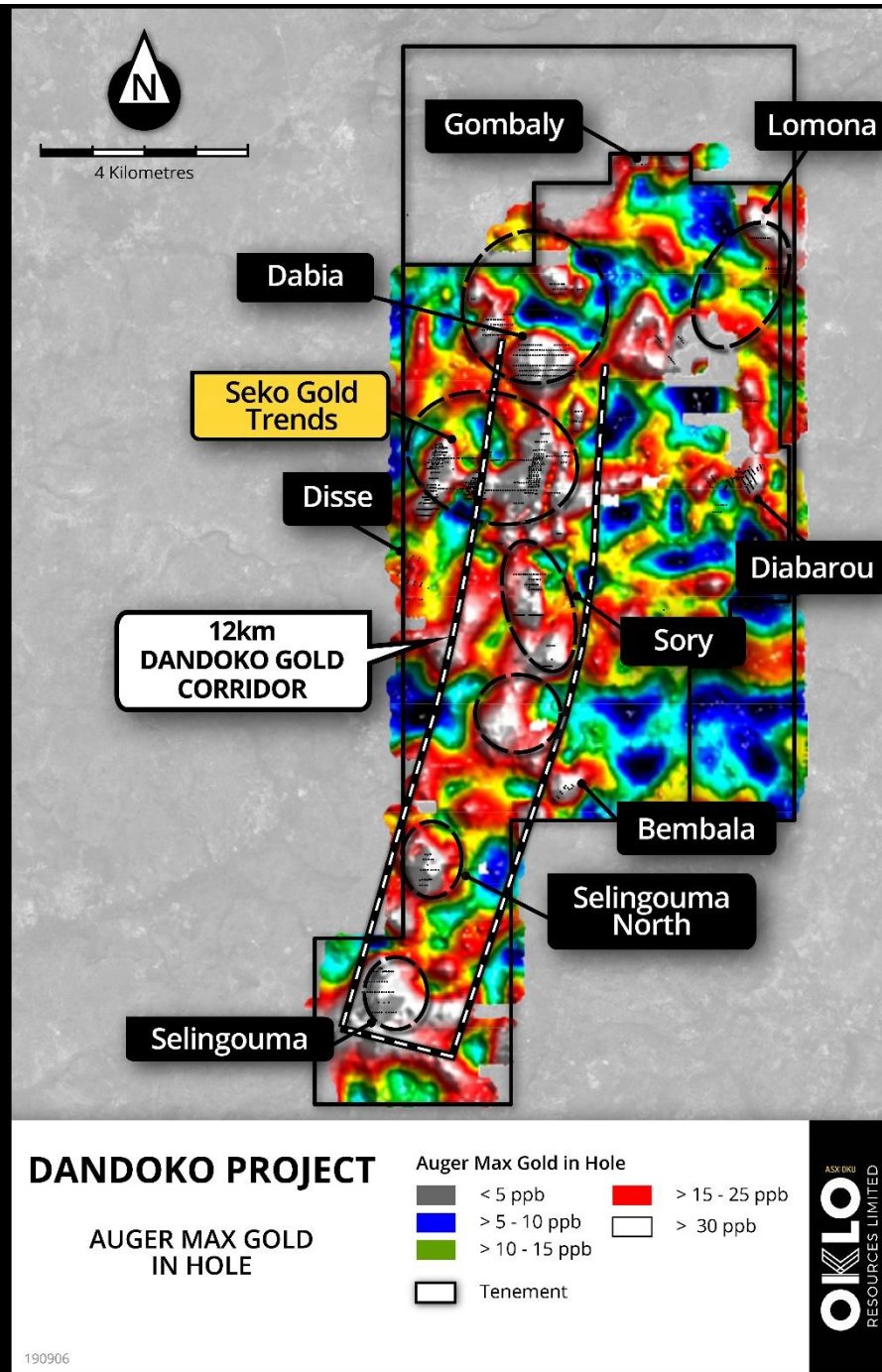


SEKO



UNDEREXPLORED GOLD PROJECT WITH OUTSTANDING RESULTS TO DATE **DANDOKO PROJECT**

- ▶ **12km long Dandoko gold corridor** defined by shallow auger (av hole depth 12m)
- ▶ First discoveries include **SEKO GOLD TRENDS**
- ▶ **THE RIGHT INGREDIENTS**
 - Shallow gold from surface
 - + excellent grades
 - + favourable metallurgy
 - = open cut potential
- ▶ Limited shallow drilling to date
 - ▶ Over **80%** of drilling **<100m**
 - ▶ **6%** tested **below 150m**
 - ▶ **2%** tested **below 200m**



EXPLORATION STRATEGY – TIMELINE

DANDOKO PROJECT

SEKO GOLD TRENDS - 6 MONTHS



Metallurgical testwork
Geological modelling and interpretation
Resource calculation

ADD VOLUME - 12 MONTHS

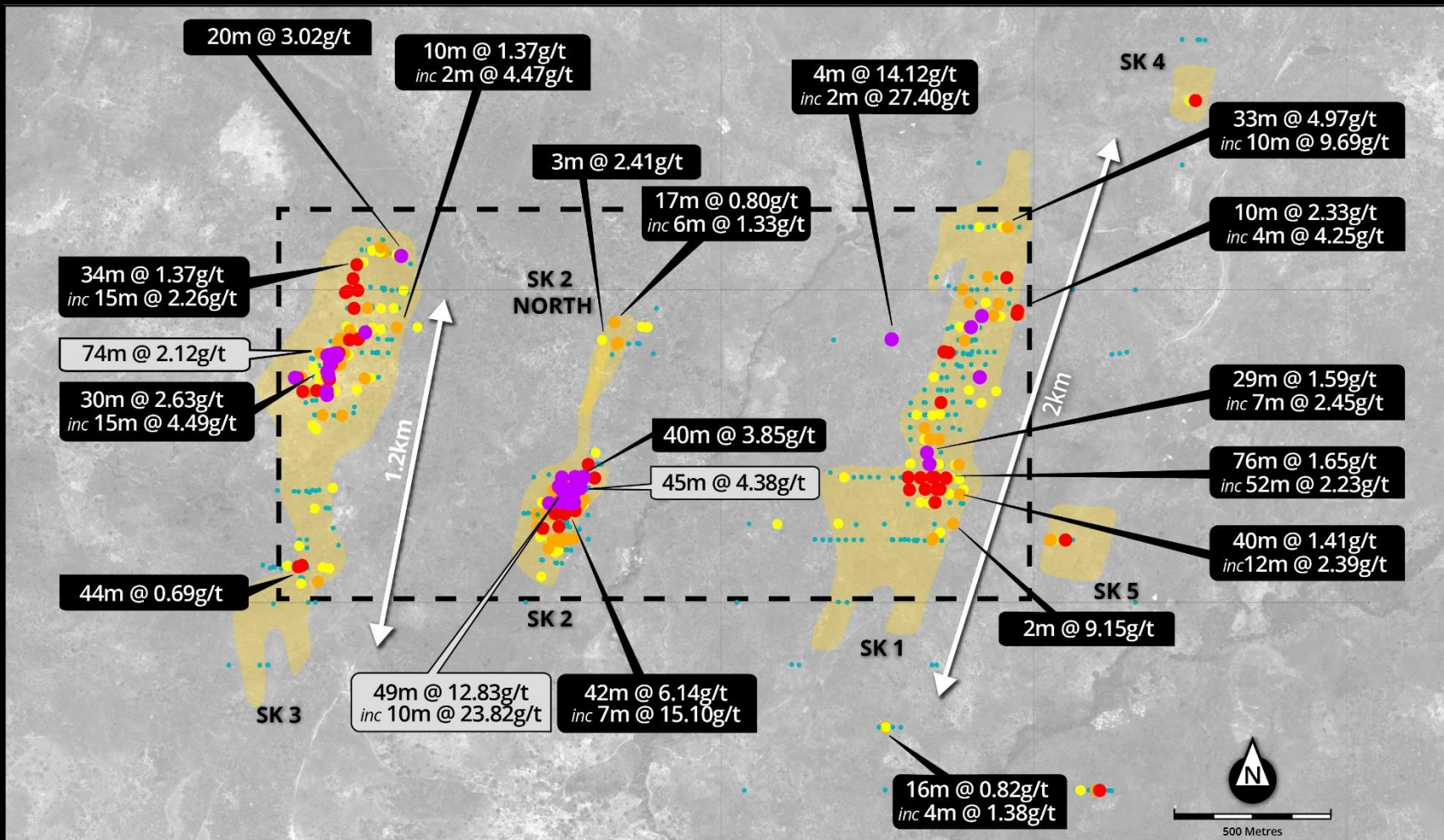


Add volume through continued drilling
Drill test for source of oxide gold mineralisation
Discovery of high grade style shoots in fresh rock



SEKO DISCOVERY

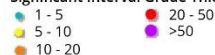
AC, RC & DD GOLD TRENDS – 2017-19 RESULTS



DANDOKO PROJECT SEKO PROSPECT

AC, RC AND DD
DRILLING RESULTS

Significant Interval Grade Thickness = g/t x m



Xm @ Xg/t AC/RC previous results (g/t Au)

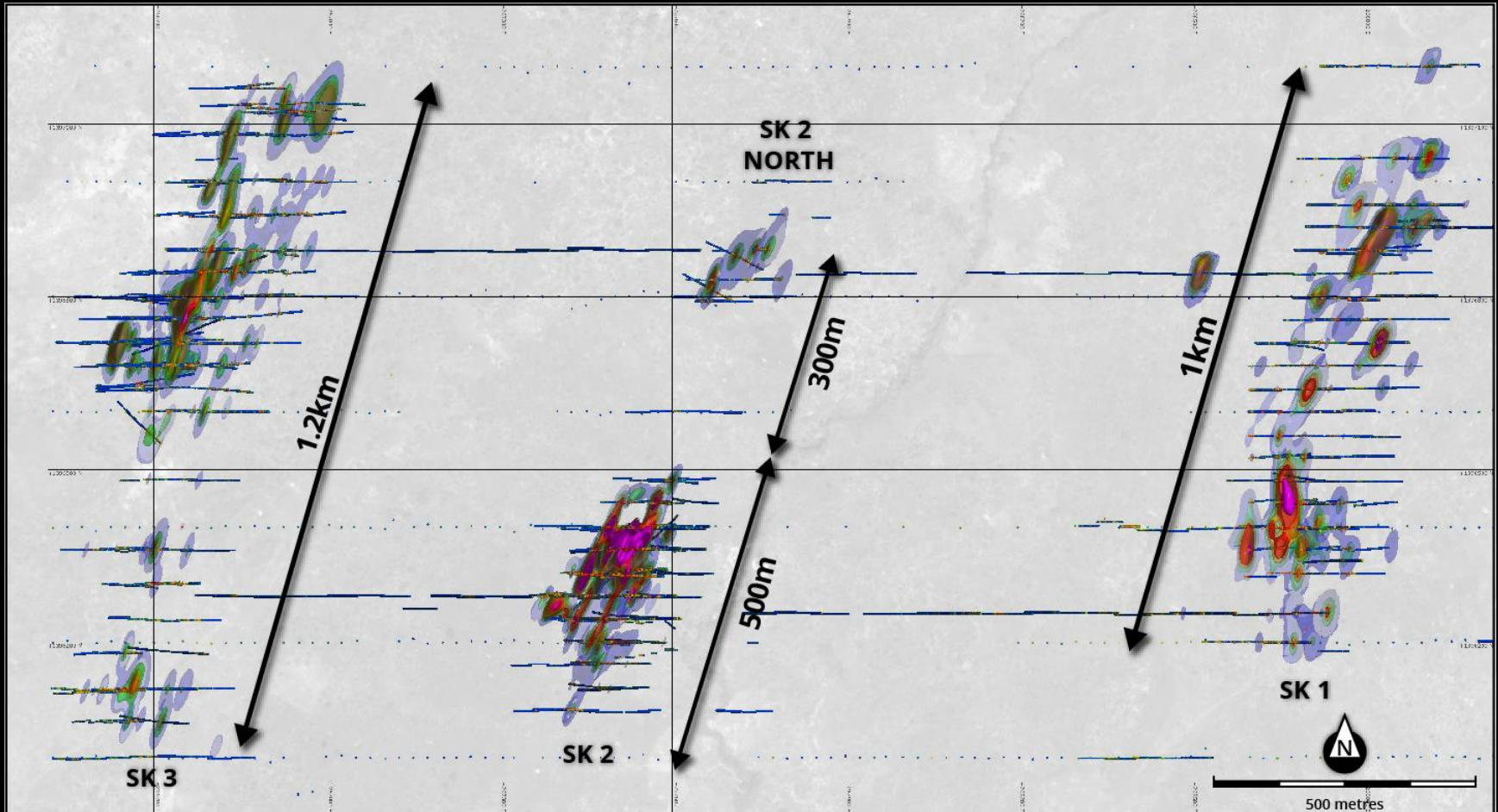
Xm @ Xg/t DD previous results (g/t Au)

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

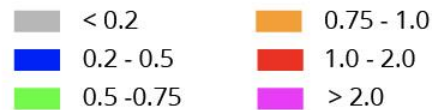
PLAN VIEW



DANDOKO PROJECT SEKO PROSPECT

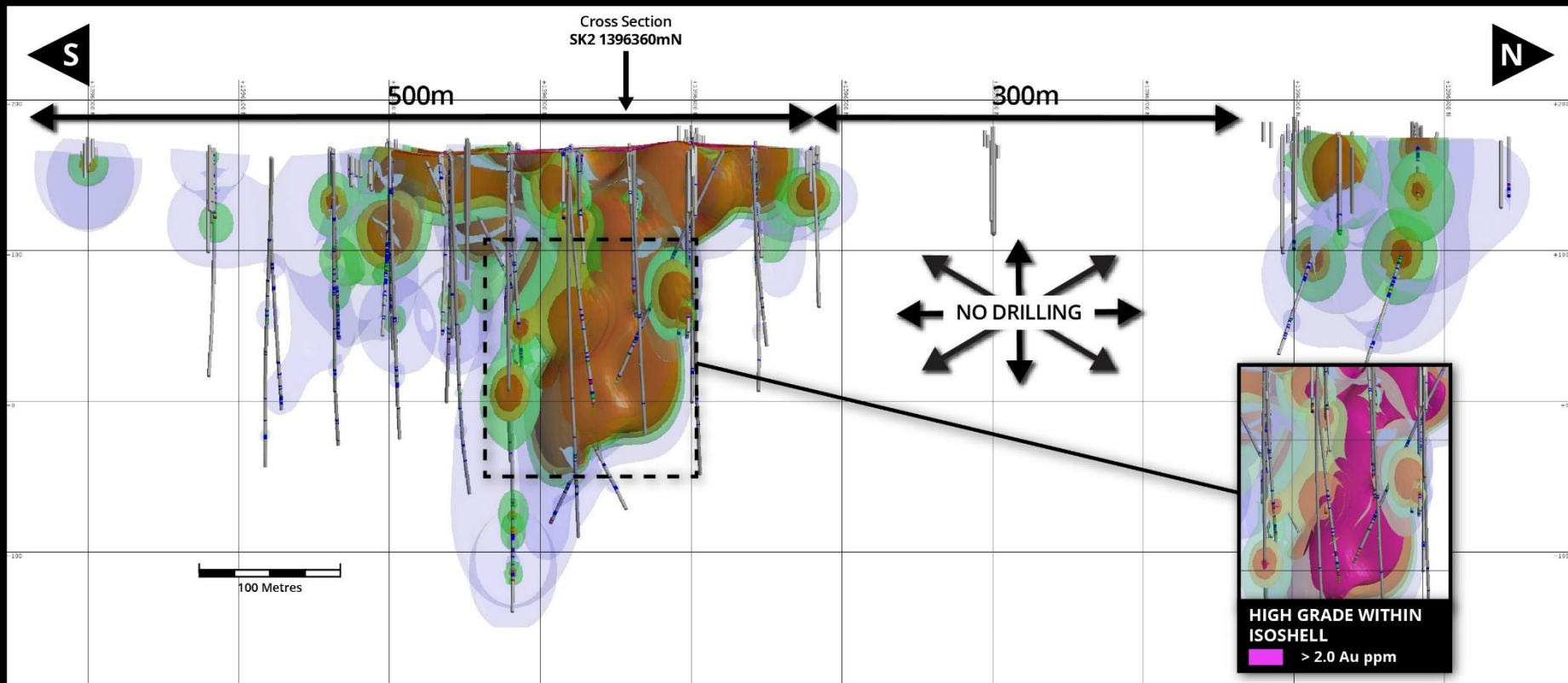
LEAPFROG GOLD ISOSURFACES

Au mineralisation (ppm)



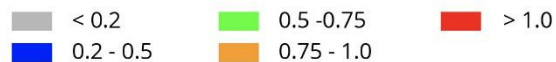
SEKO DISCOVERY - SK2

LONG SECTION



SK2 LONG SECTION
LEAPFROG GOLD ISOSURFACES
LOOKING WEST

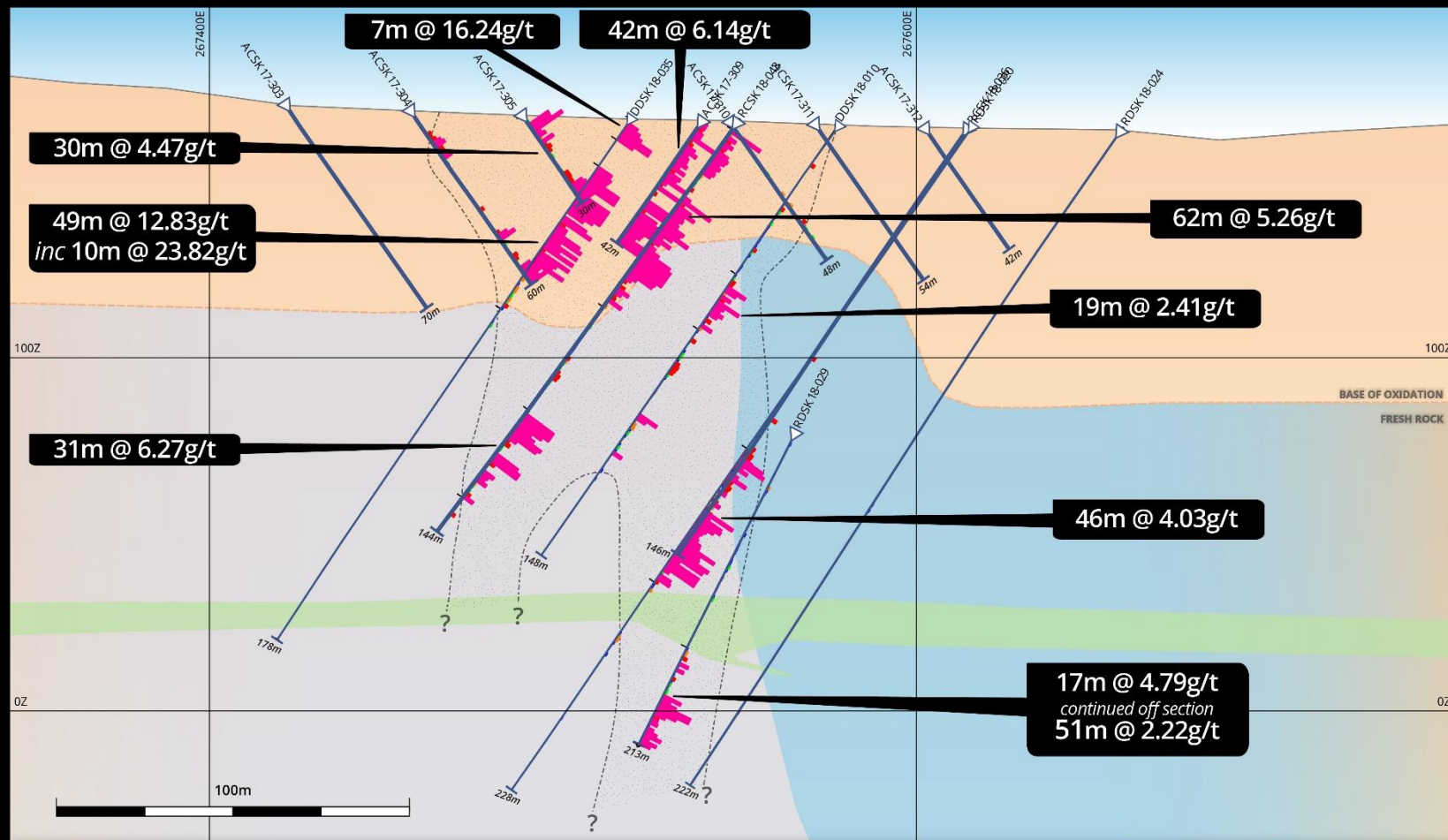
Au mineralisation (ppm)



190827

SEKO DISCOVERY SK2

CROSS SECTION - 1396360mN



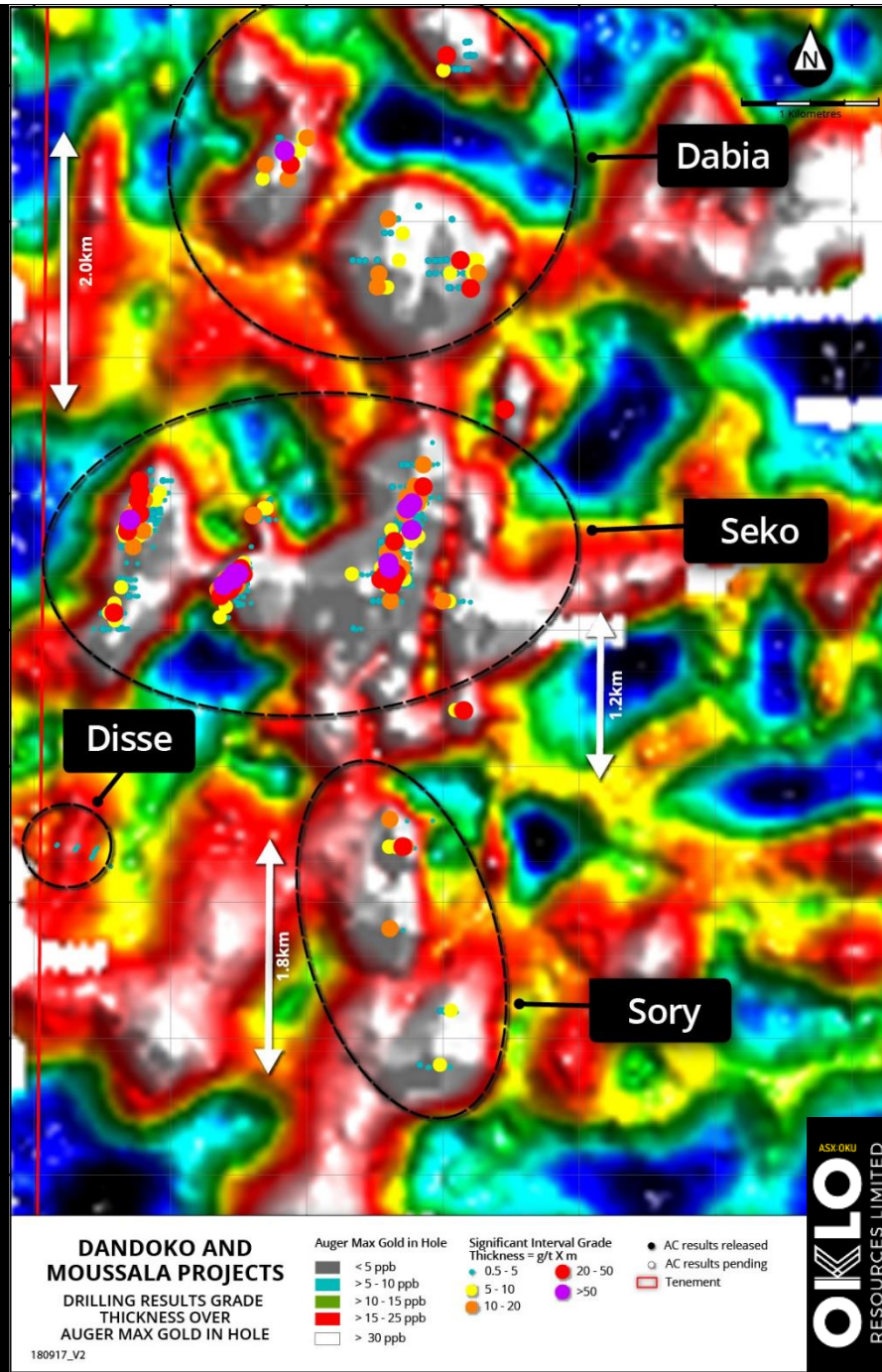
DANDOKO PROJECT SEKO CROSS SECTION

SK2 - 1396360 mN

190906

DANDOKO CORRIDOR 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



DANDOKO PROJECT

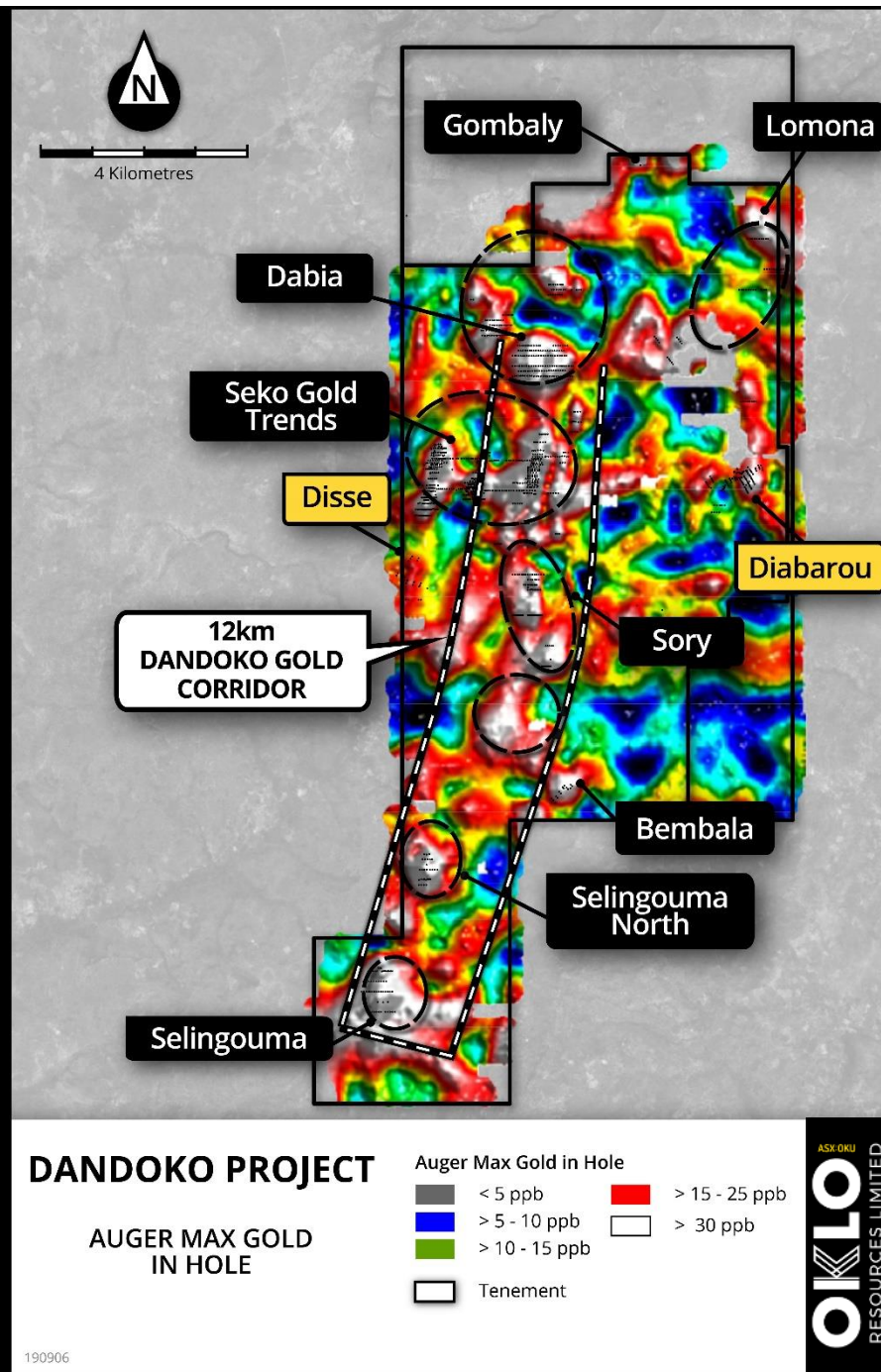
OTHER OPPORTUNITIES

► DISSE

- **21m @ 5.67g/t** from 33m
- **13m @ 4.69g/t** from 163m
- **16m @ 2.3g/t** from 158m

► DIABOROU

- **28m @ 3.9g/t** from 88m
- **6m @ 53.77g/t** from 36m
- **21m @ 2.0g/t** from 45m



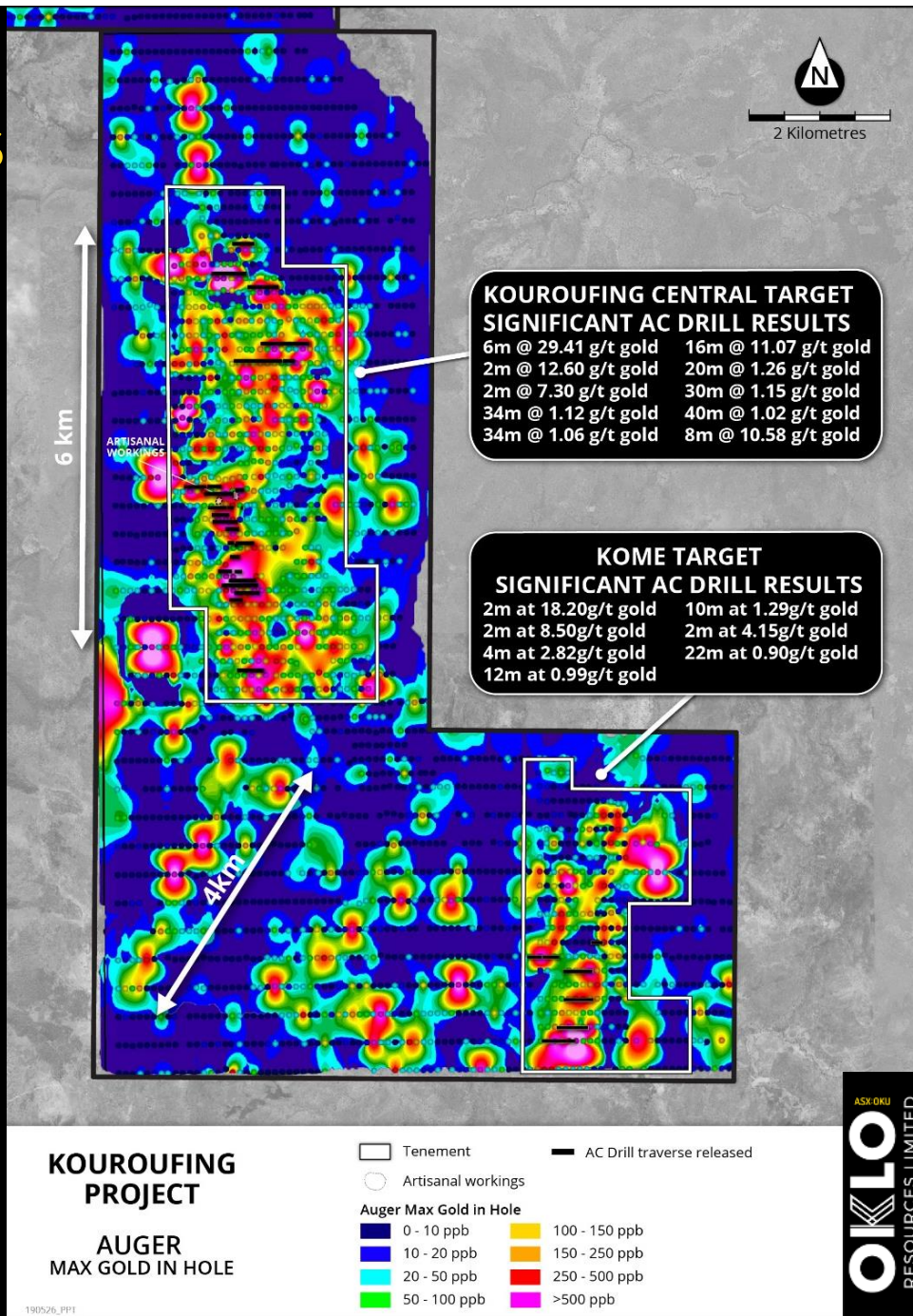
SEKO DISCOVERY LOCATION



KOUROUFING PROJECT

LARGE AUGER GOLD TARGETS

- ▶ **Two large gold systems identified from shallow auger**, average hole depth 15m
- ▶ **KOUROUFING CENTRAL TARGET** 6km long gold corridor
- ▶ **KOME TARGET** 4km long gold corridor
- ▶ First shallow AC drilling returned wide zones of gold mineralisation including:
 - ▶ **34m at 1.12 g/t gold** from 2m
 - ▶ **40m at 1.02 g/t gold** from surface
 - ▶ **34m at 1.06 g/t gold** from surface; inc **2m at 7.31 g/t gold** from 24m
 - ▶ **8m at 10.58 g/t gold** from 2m; inc **2m at 39.7 g/t gold** from 6m
 - ▶ **6m at 29.41 g/t gold** from 2m; inc **2m at 77.40 g/t gold** from 6m
 - ▶ **2m at 18.20 g/t gold** from 45m;

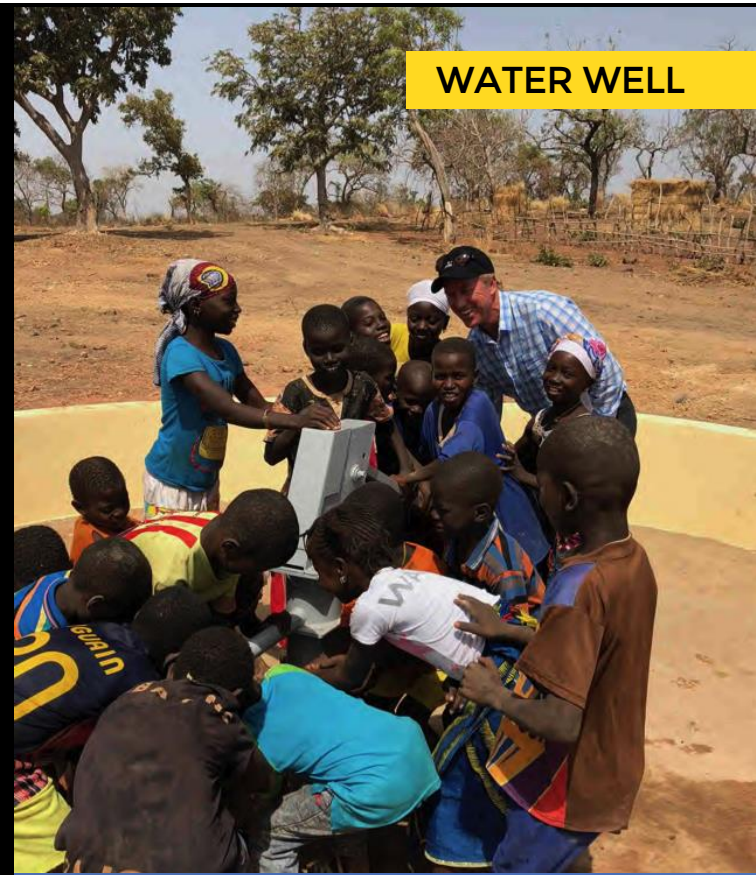


BUILDING STRONG PARTNERSHIPS

COMMUNITY DEVELOPMENT

Oklo invests in meaningful projects and lasting programs, enhancing community development.

- ▶ Regular engagement and dialogue with local authorities and community members
- ▶ Development of education and scholarship programs
- ▶ Local technical team language training for better communication
- ▶ Investment in Seko community water well, near local school and market
- ▶ Supporting local cultural and sports events



WATER WELL



SOCCER FIELD

PURSuing OPPORTUNITY

INVESTING IN OKLO RESOURCES

BUILDING ON A STRONG 2018 significant potential to host a large gold system at Dandoko with excellent drilling results from the 2019 field season.

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 km² in Mali, West Africa with strong exploration potential.

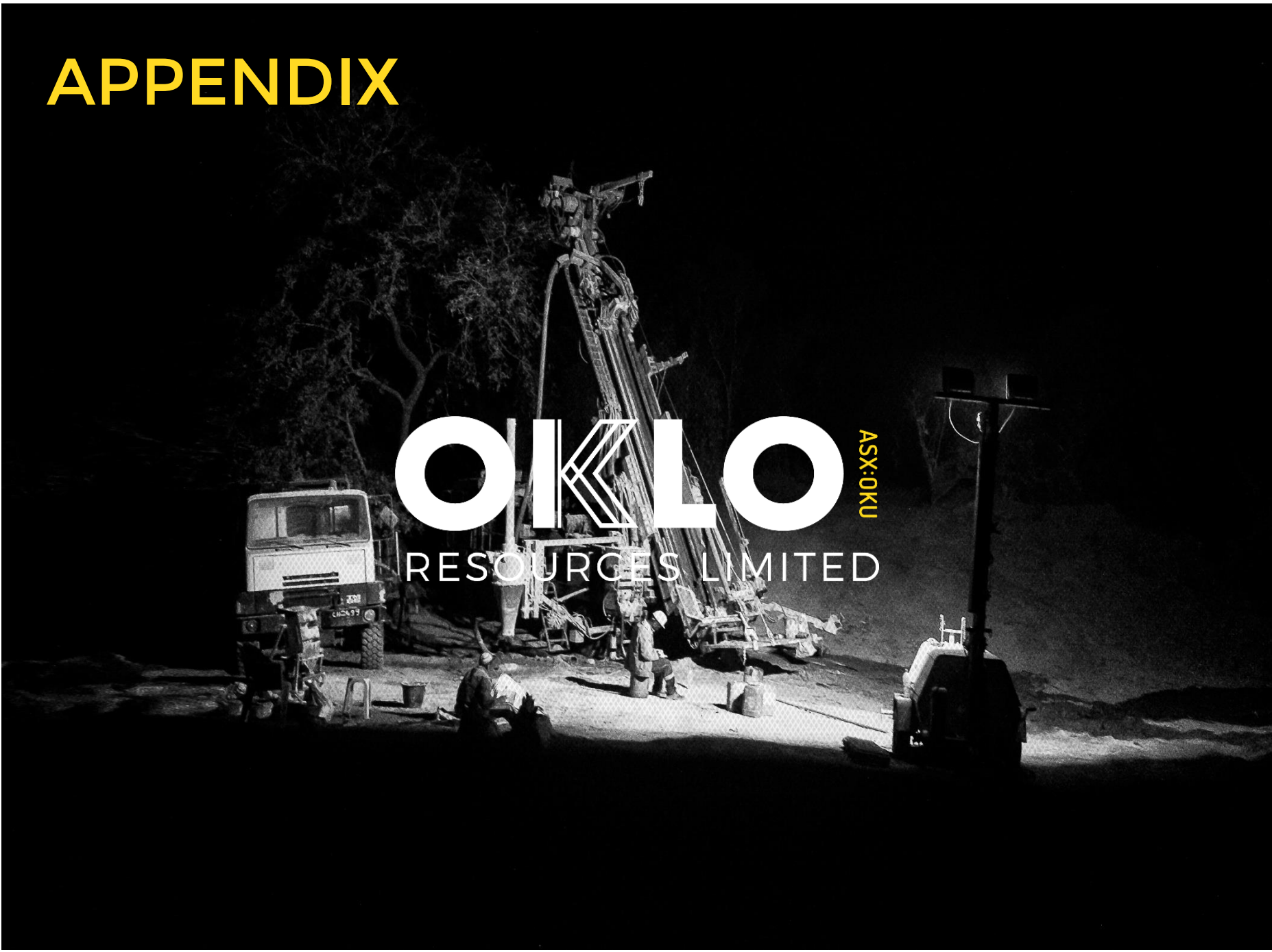
HIGHLY EXPERIENCED MANAGEMENT TEAM involved in over 40Moz of gold discoveries in West Africa.



APPENDIX

OKLO
RESOURCES LIMITED

ASX:OKU



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
FIRE ASSAY - GOLD (PPM)	4.03	3.64	3.73
BOTTLE ROLL – GOLD (PPM)	3.96	3.43	3.55
RECOVERY* (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

SEKO STAGED DRILL PROGRAM DELIVERING RESULTS

2017 FIELD SEASON

- ▶ AC drilling 16,760m
 - ▶ 100m spaced traverses - average hole depth 56m
- ▶ Significant shallow oxide gold confirmed SK 1-5

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

- ▶ 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 SK 2 & 3

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
- ▶ 49m at 12.83g/t gold from 16m
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

2019 FIELD SEASON

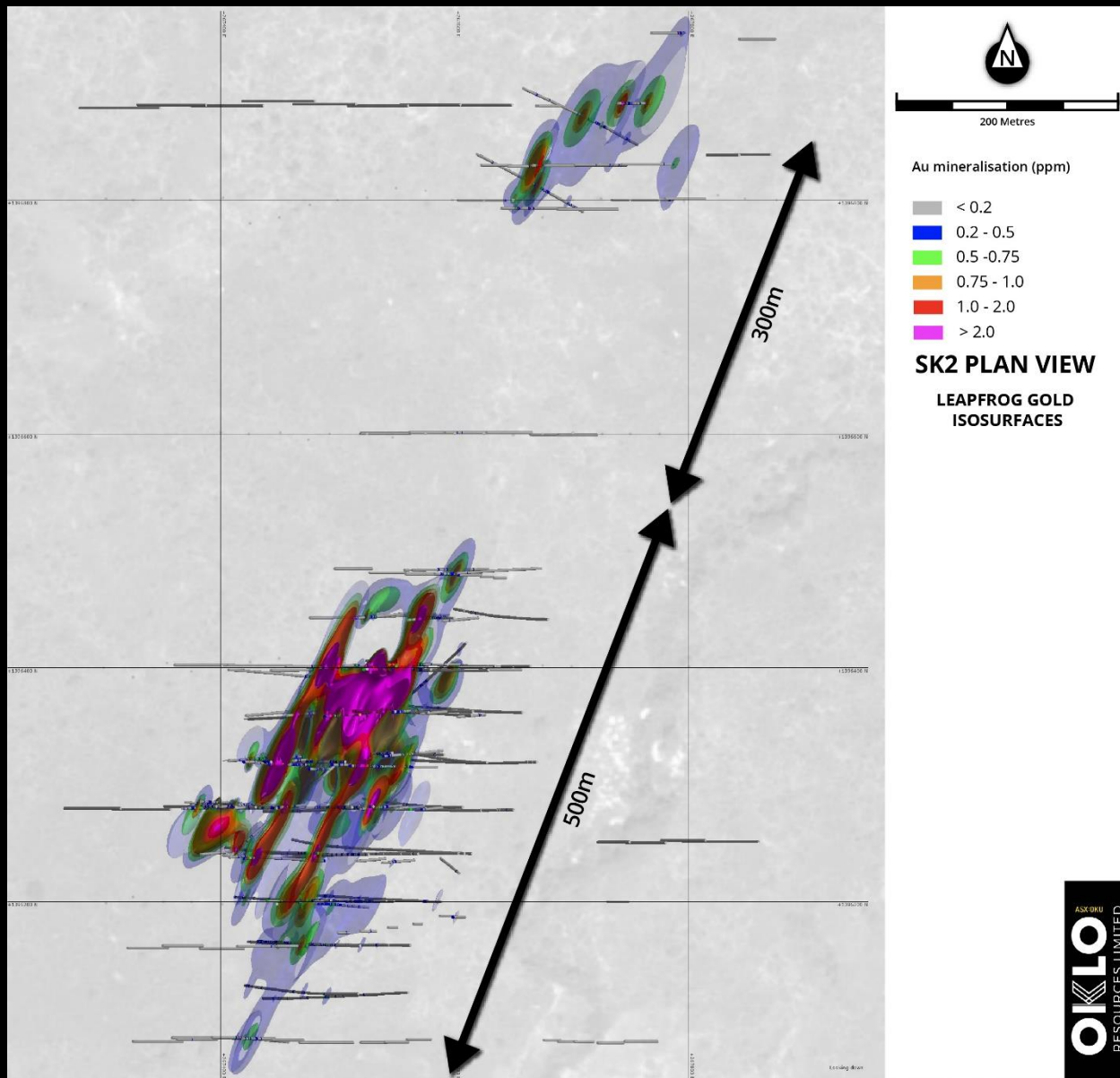
- ▶ Targeting extensions, volume and grade

- ▶ DD Drilling, 1,050m in 3 holes

- ▶ AC, RC, DD 23,500m completed

SEKO DISCOVERY – SK2

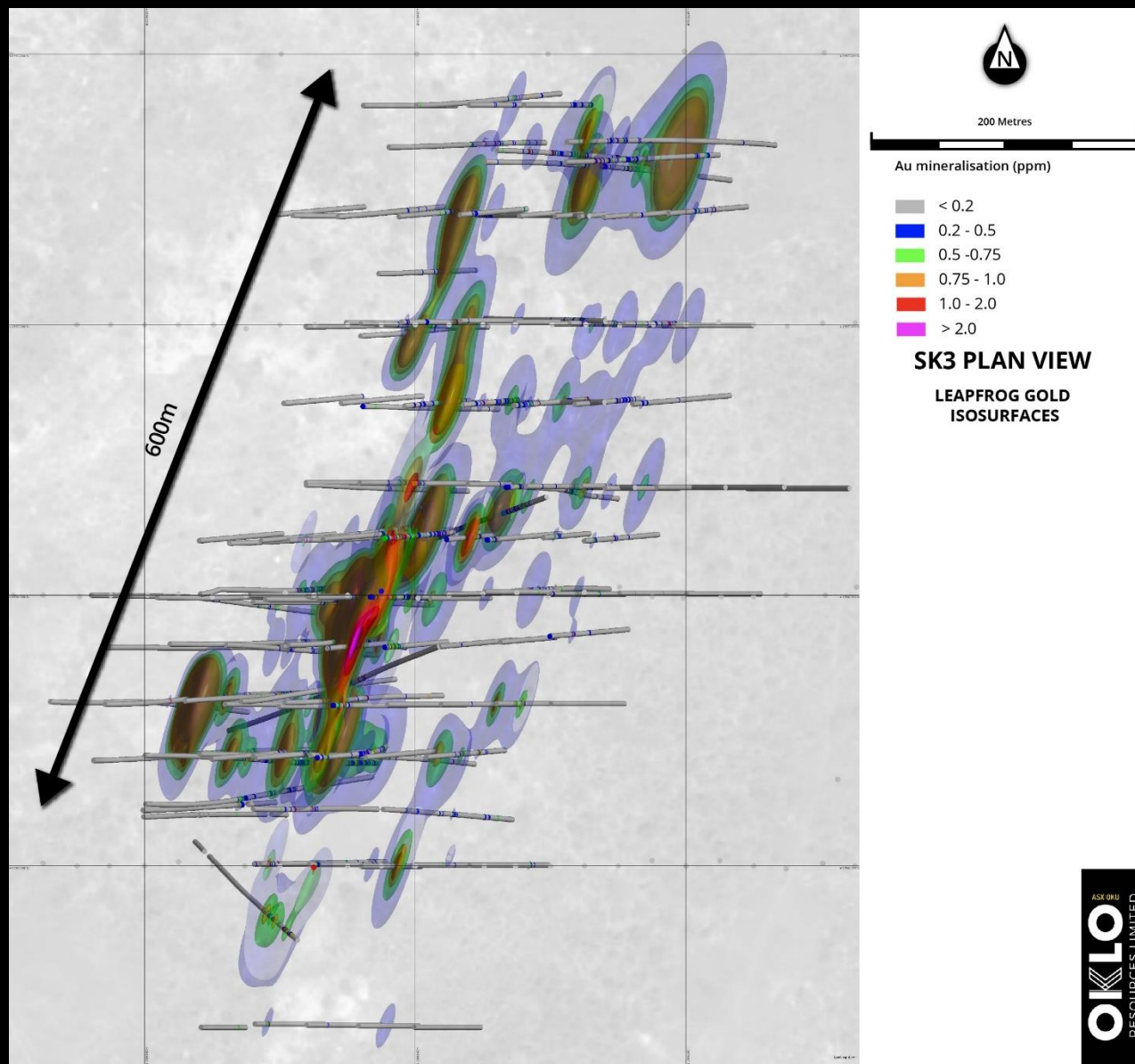
PLAN VIEW



- ▶ **36m at 2.63g/t**
inc 10m @ 6.57g/t
- ▶ **9m at 1.21g/t**
- ▶ **30m at 4.47g/t**
inc 6m @ 12.31g/t
- ▶ **79m at 2.17g/t**
inc 40m @ 3.85g/t
20m @ 5.72g/t
- ▶ **45m at 4.38g/t**
inc 9m @ 11.02g/t
- ▶ **18m at 4.41g/t**
inc 5m @ 9.61g/t
- ▶ **35m at 2.21g/t**
- ▶ **40m at 10.66g/t**
inc 5m @ 9.61g/t
- ▶ **42m at 6.14g/t**
inc 7m @ 15.10g/t
- ▶ **59m at 2.00g/t**
inc 9m @ 3.09g/t

SEKO DISCOVERY – SK3

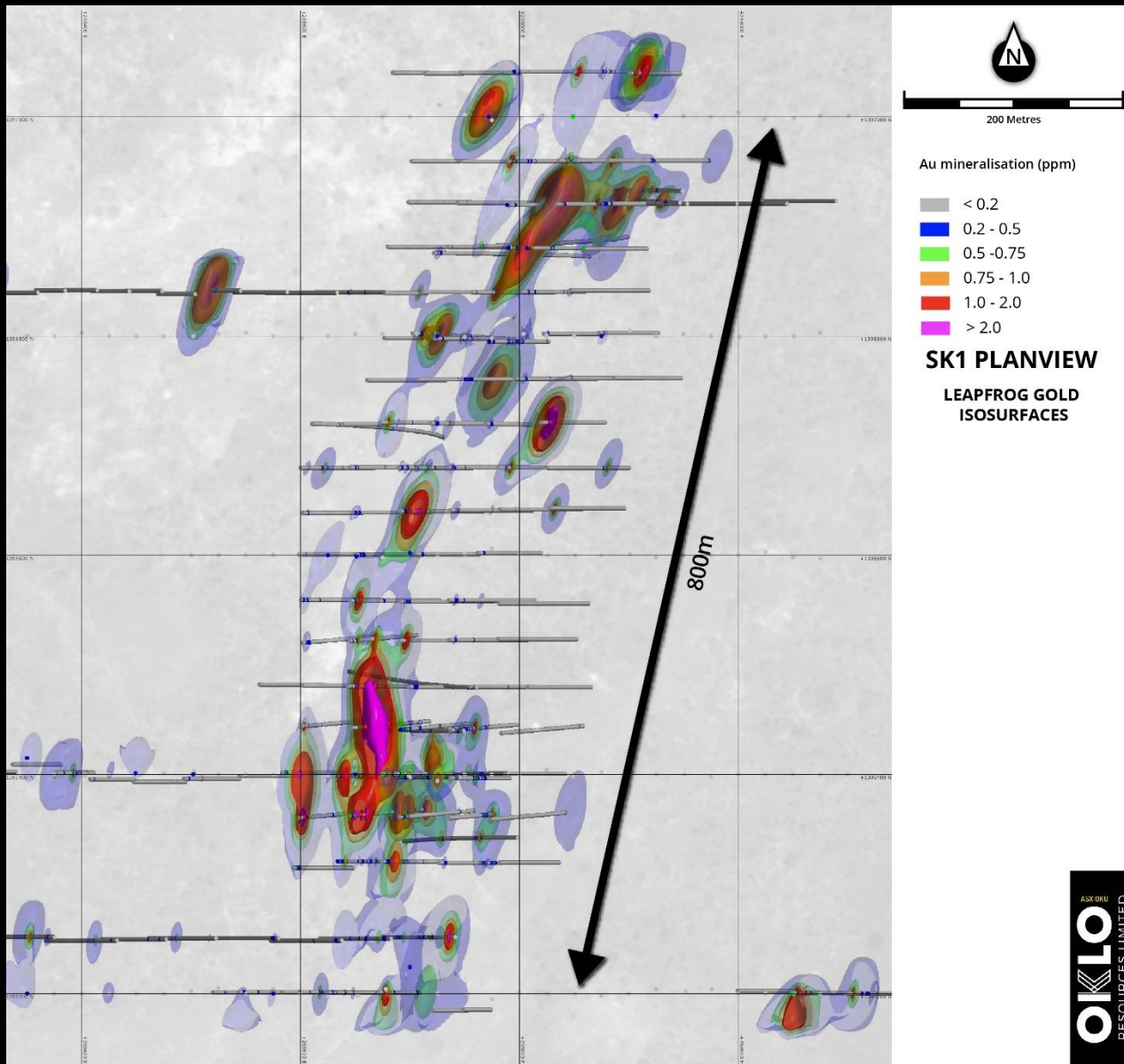
PLAN VIEW



- ▶ **26m at 1.51g/t**
inc 3m @ 3.36g/t
inc 5m @ 3.62g/t
- ▶ **34m at 1.37g/t**
inc 15m @ 2.26g/t
- ▶ **49m at 1.76g/t**
inc 8m @ 3.90g/t
inc 4m @ 4.53g/t
- ▶ **74m at 2.12g/t**
- ▶ **30m at 2.63g/t**
inc 5m @ 4.49g/t
- ▶ **20m at 2.45g/t**
- ▶ **10m at 4.68g/t**
- ▶ **8m at 2.16g/t**
- ▶ **44m at 0.69g/t**

SEKO DISCOVERY - SK1

PLAN VIEW



- ▶ **17m at 4.04g/t**
- ▶ **33m at 4.97g/t**
inc 10m @ 9.69g/t
- ▶ **16m at 1.30g/t**
inc 9m @ 4.46g/t
- ▶ **5m at 10.25g/t**
- ▶ **30m at 1.56g/t**
- ▶ **29m at 1.59g/t**
inc 7m @ 2.45g/t
- ▶ **76m at 1.65g/t**
inc 52m @ 2.23g/t
inc 27m @ 3.11g/t
- ▶ **40m at 1.41g/t**
inc 12m @ 2.39g/t

BOARD AND MANAGEMENT

CORPORATE

▶ **MARK CONNELLY**

NON-EXECUTIVE CHAIRMAN

Seasoned financial and commercial executive with extensive resource industry experience across multiple jurisdictions. Track record for deal making in Africa includes merger of Papillon Resources with B2Gold in 2014 and Adamus with Endeavour Mining in 2011.

▶ **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.

▶ **SIMON O'LOUGHLIN**

NON-EXECUTIVE CHAIRMAN

Mr O'Loughlin is the founding member of O'Loughlins Lawyers, an Adelaide based medium- sized, specialist commercial law firm.

▶ **LARA IACUSSO**

CHIEF FINANCIAL OFFICER

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

IN-COUNTRY

▶ **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**

GENERAL MANAGER - EXPLORATION

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

▶ **BATHILY MAMADOU**

PRINCIPAL GEOLOGIST

Geologist with over 30 years experience in Mali including BHP and Randgold at Morila, Syama and Yanfolila. Awarded a "Knighthood" for services to the Mali mining industry.

▶ **TREEVE OATES**

SENIOR GEOLOGIST

Former consulting geologist, worked with CSA Global and B2Gold at Fekola prior to joining Oklo.

An aerial photograph of a mining operation in a wooded area. The scene includes a large drilling rig, a truck, and various pieces of equipment. The OKLO Resources Limited logo is overlaid in the center. The logo consists of the word 'OKLO' in large, white, stylized letters, with 'RESOURCES LIMITED' in smaller, white, sans-serif letters below it. A small yellow text 'ASX:OKL' is visible to the right of the 'LO' part of the logo.

OKLO

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