



EXPLORING AMONG THE GOLDEN GIANTS

PRECIOUS METALS SUMMIT PRESENTATION - SEPTEMBER 2019

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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

1,400KM² 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:

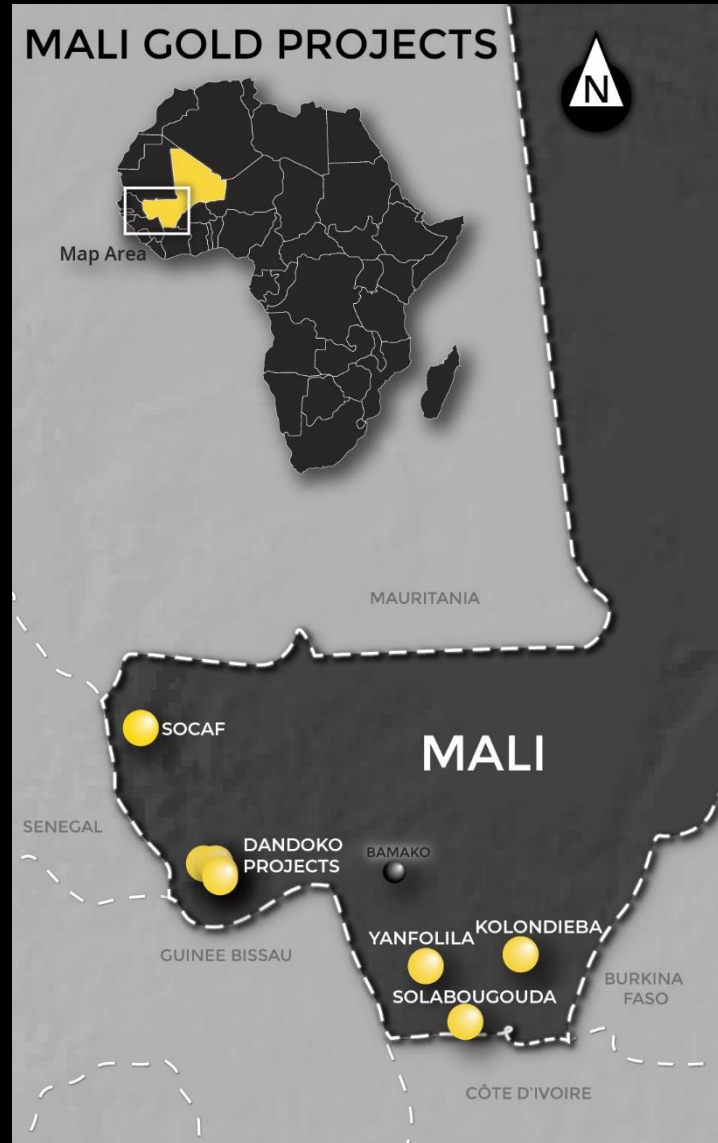
40m at 1.02g/t gold
34m at 1.12 g/t gold
8m at 10.58g/t gold
inc 2m at 39.7 g/t gold
34m at 1.06g/t gold
6m at 29.41 g/t gold
inc 2m at 77.40 g/t gold

DRILLING COMPLETED FOR 2019 FIELD SEASON

Geological modelling, metallurgical test work 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*

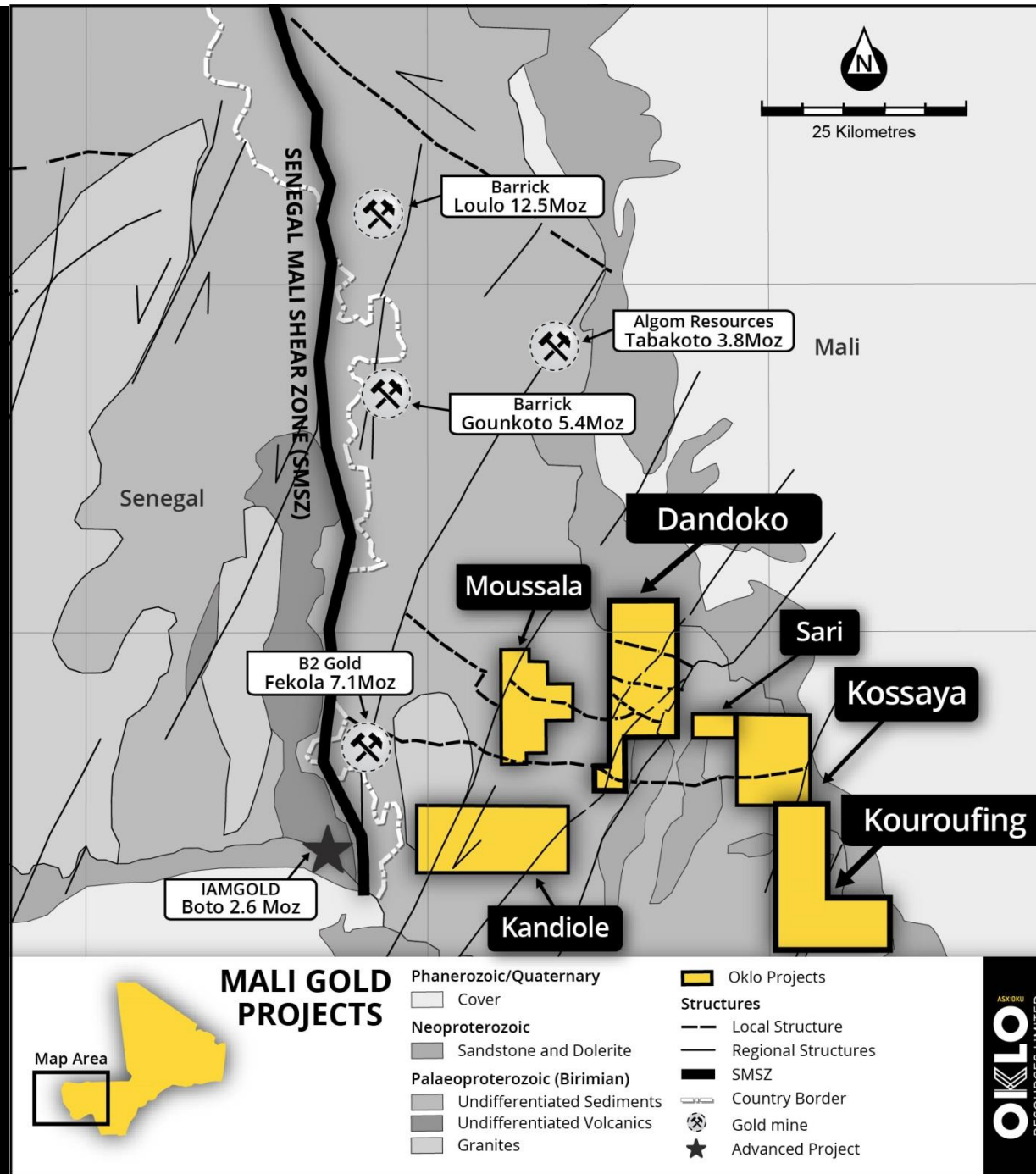
Simon is the founding member of O'Loughlins Lawyers, an Adelaide based medium- sized, specialist commercial law firm.

LARGE PROJECT PORTFOLIO MULTI-MILLION OUNCE REGION

~500km² strategic
land holding

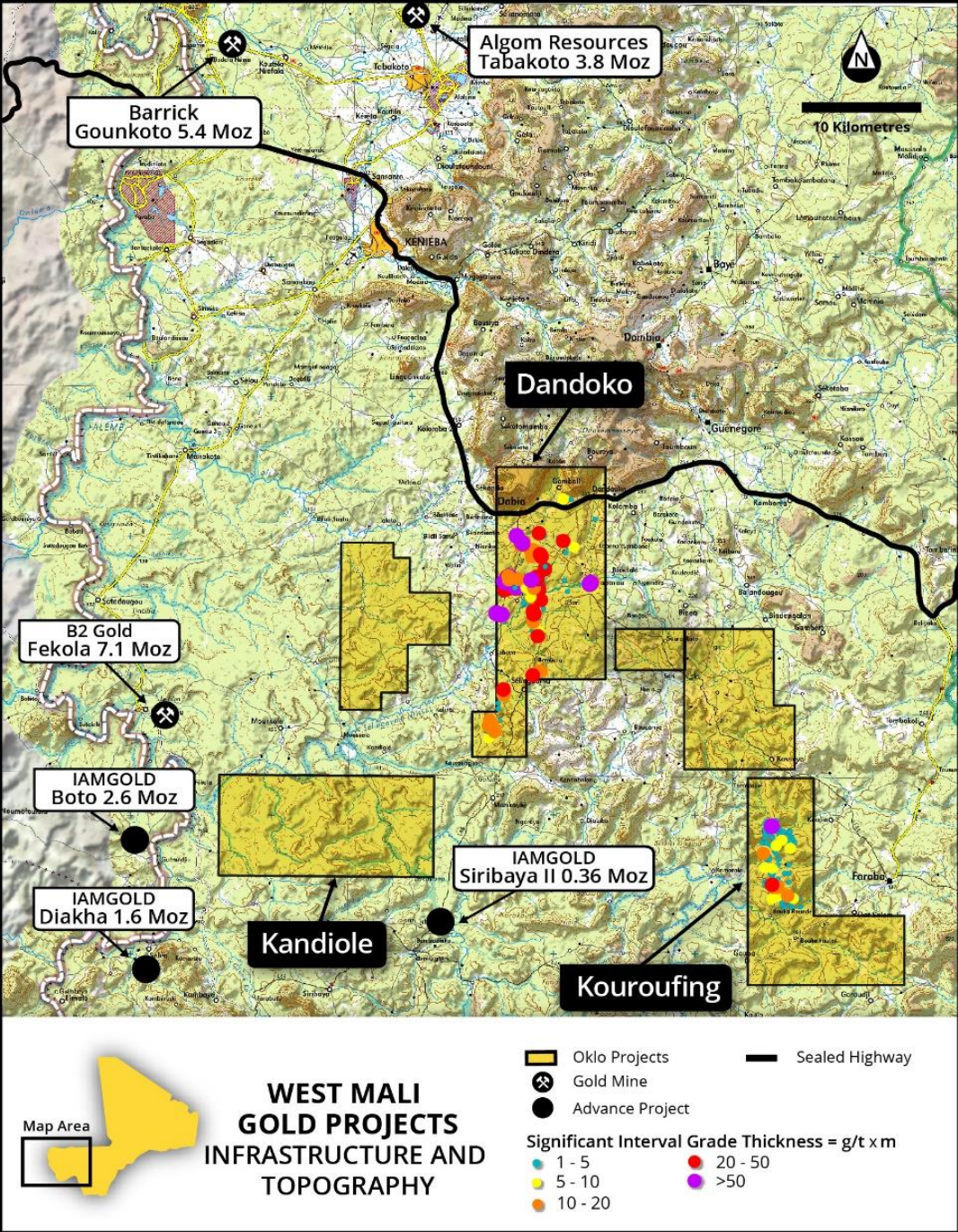
Excellent results
from flagship
Dandoko Project

New gold system
discovery at
Kouroufing Project



AN EXCELLENT NEIGHBOURHOOD

GOOD ACCESS
INFRASTRUCTURE
EXISTING MINES



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

FEKOLA



GOUNKOTO



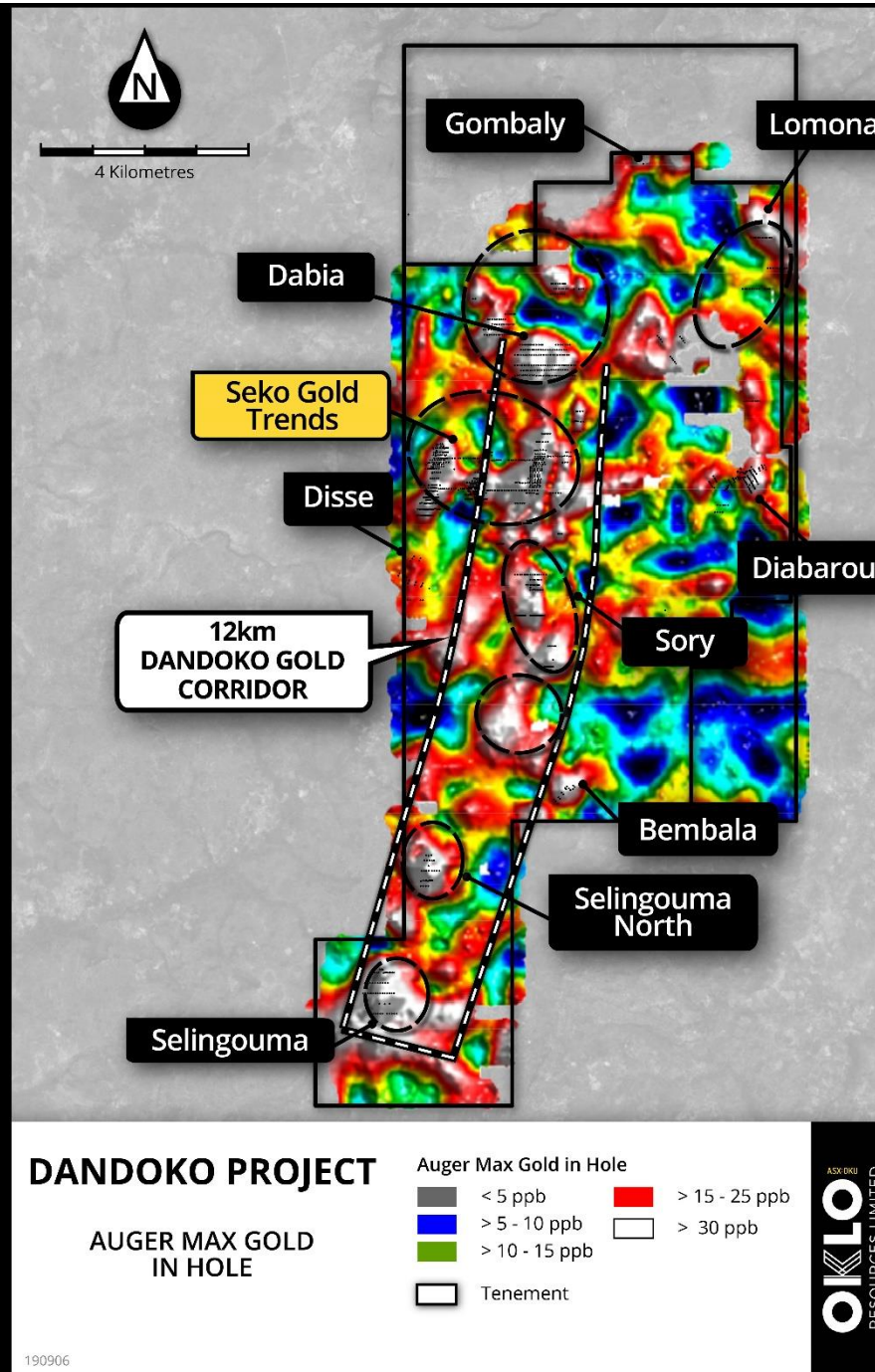
SEKO



UNDEREXPLORED GOLD PROJECT WITH OUTSTANDING RESULTS TO DATE

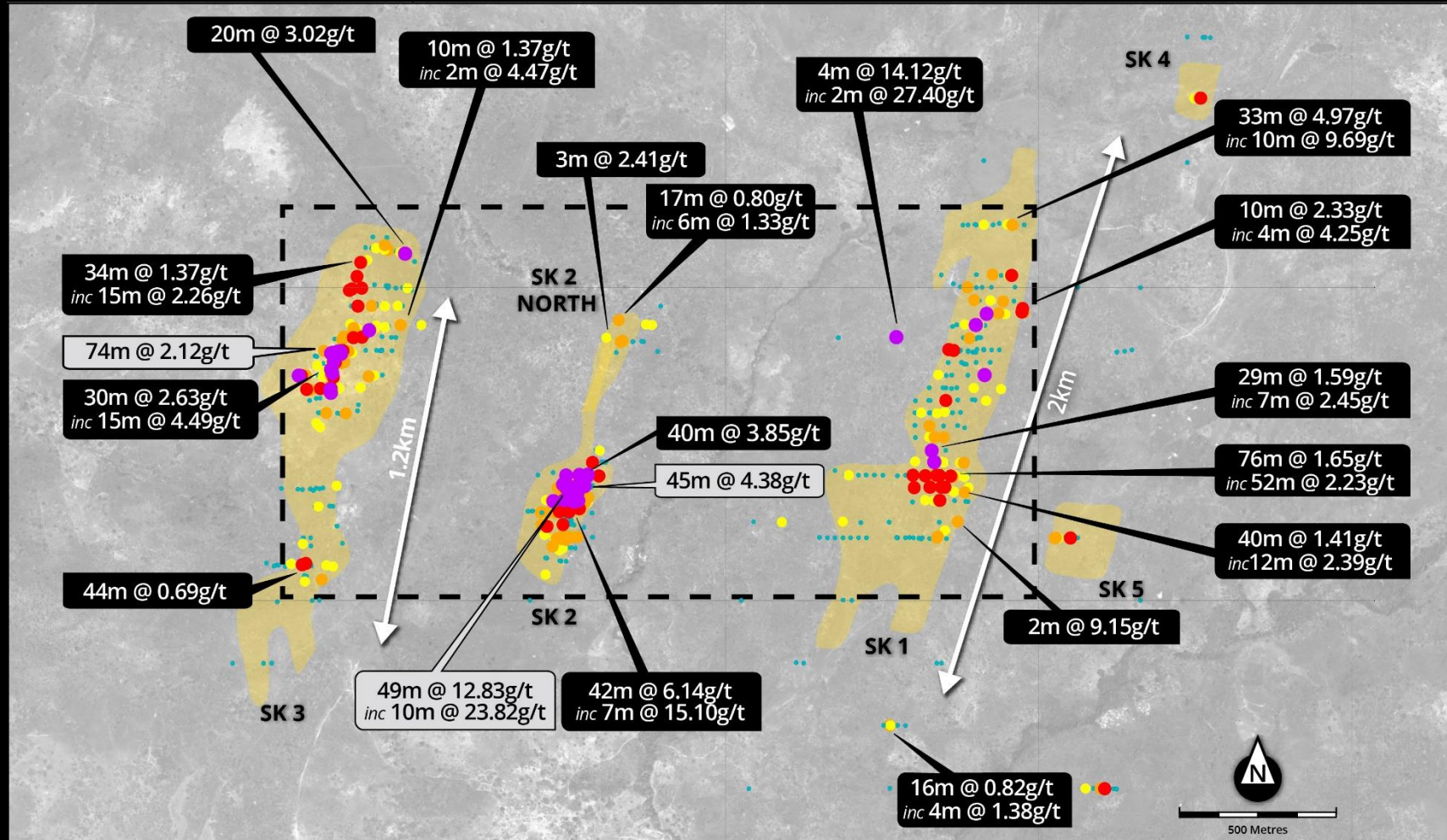
DANDOKO PROJECT

- ▶ **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**



SEKO DISCOVERY

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



DANDOKO PROJECT SEKO PROSPECT

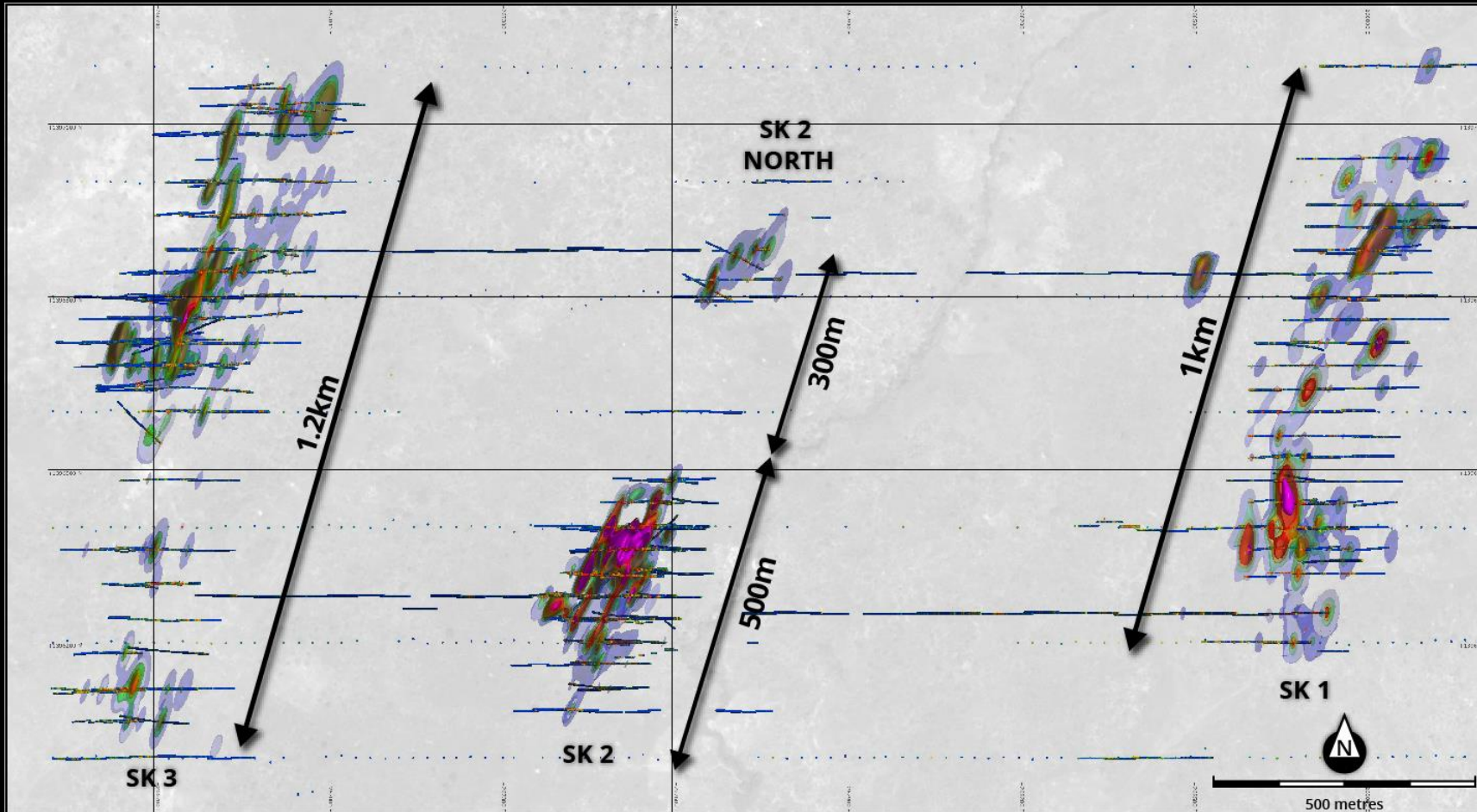
AC, RC AND DD
DRILLING RESULTS

190905

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 SEK0 PROSPECT

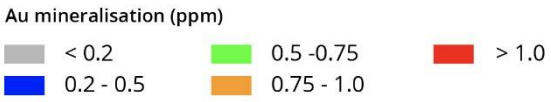
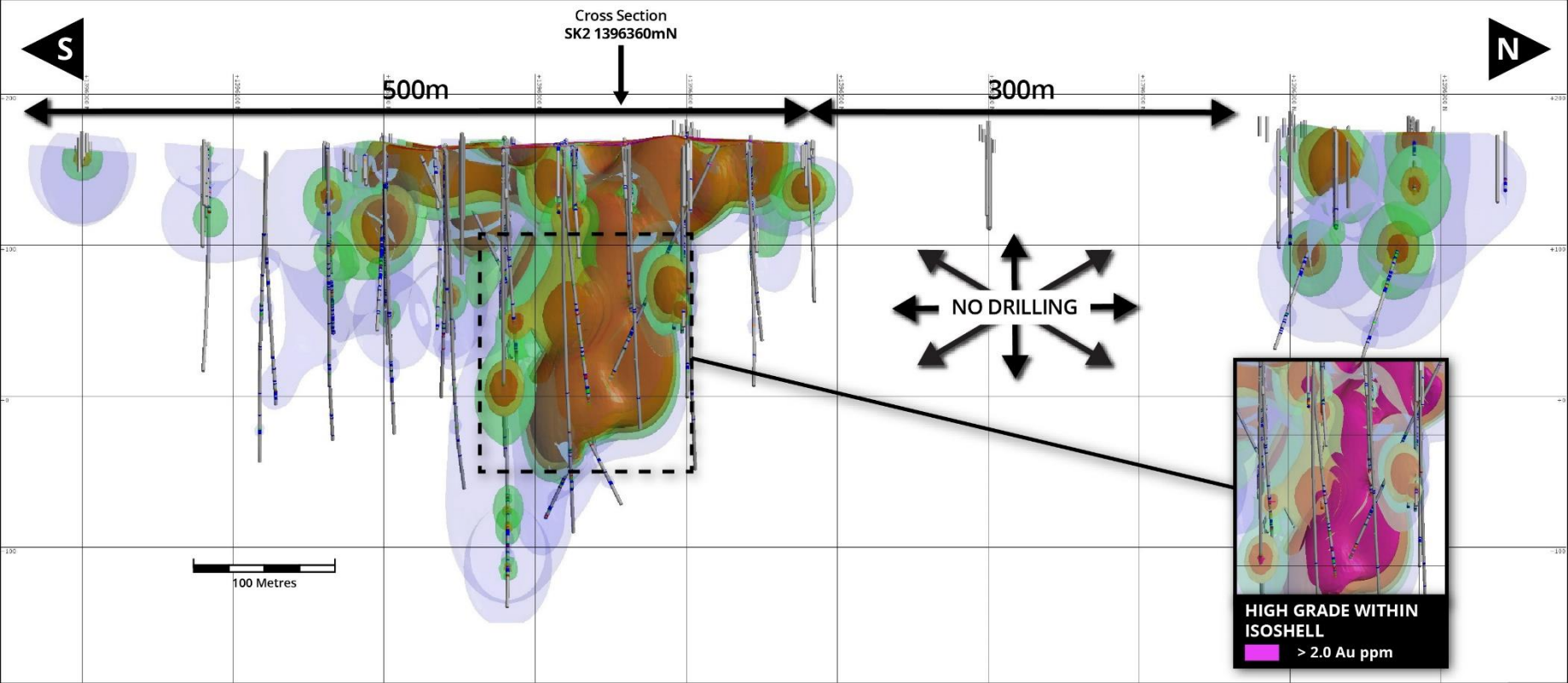
LEAPFROG GOLD ISOSURFACES

Au mineralisation (ppm)

< 0.2	0.75 - 1.0
0.2 - 0.5	1.0 - 2.0
0.5 - 0.75	> 2.0

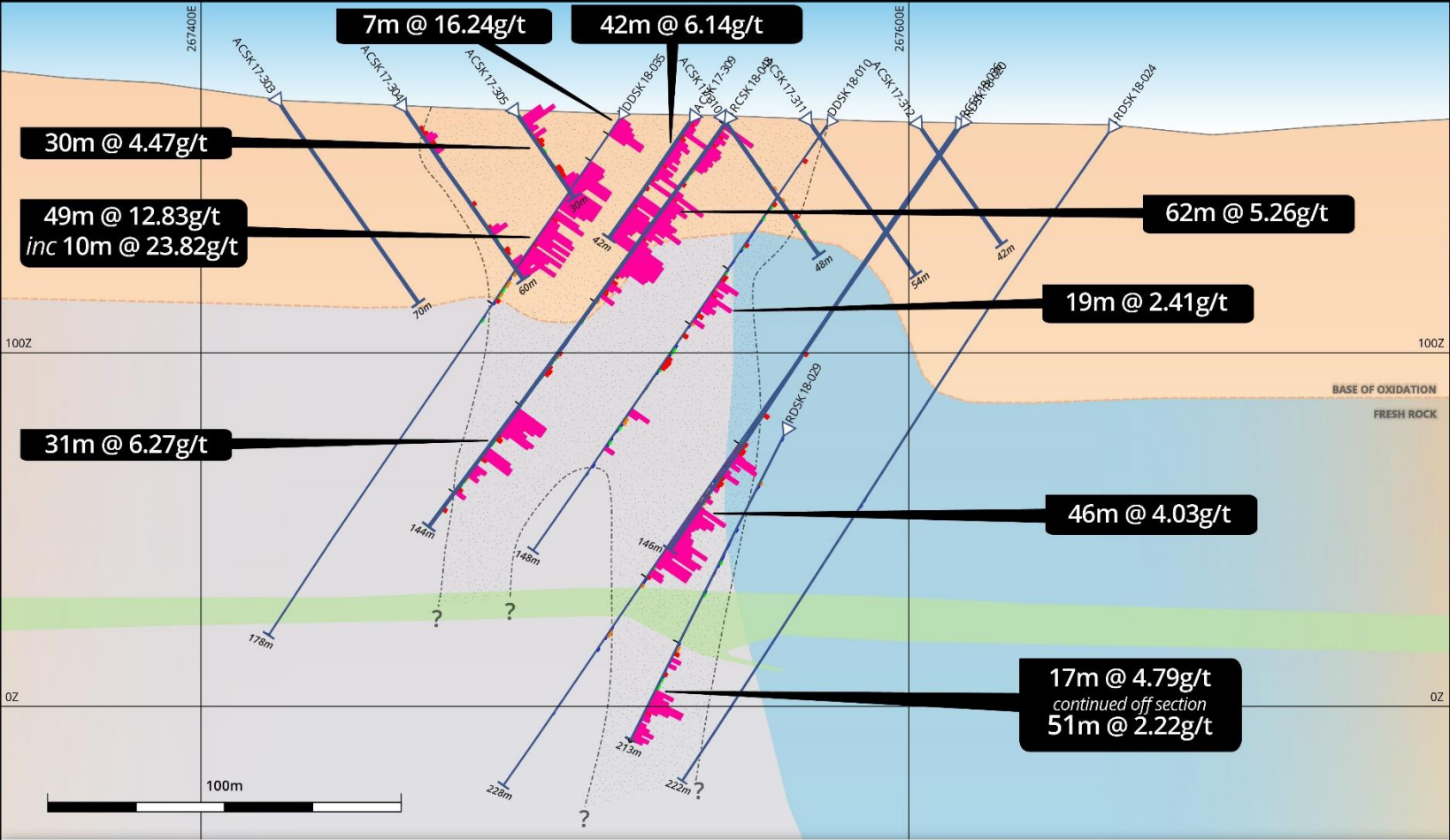
SEKO DISCOVERY – SK2

LONG SECTION



SEKO DISCOVERY SK2

CROSS SECTION - 1396360mN



DANDOKO PROJECT SEKO CROSS SECTION

SK2 - 1396360 mN

190906

Hole type

- Diamond (and inc. RC precollar)
- Reverse Circulation
- Continues off Section
- Intersection of >2.0g/t Au
- Intersection of 1.0 - 2.0 g/t Au
- Intersection of 0.5 - 0.75g/t Au
- Intersection of 0.5 - 0.75g/t Au
- Intersection of 0.2 - 0.5 g/t Au
- Intersection of 0 - 0.2 g/t Au



Results previously announced g/t Au

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

Geology

- Mafic Dyke
- Carbonates
- Turbidites and Argillites

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

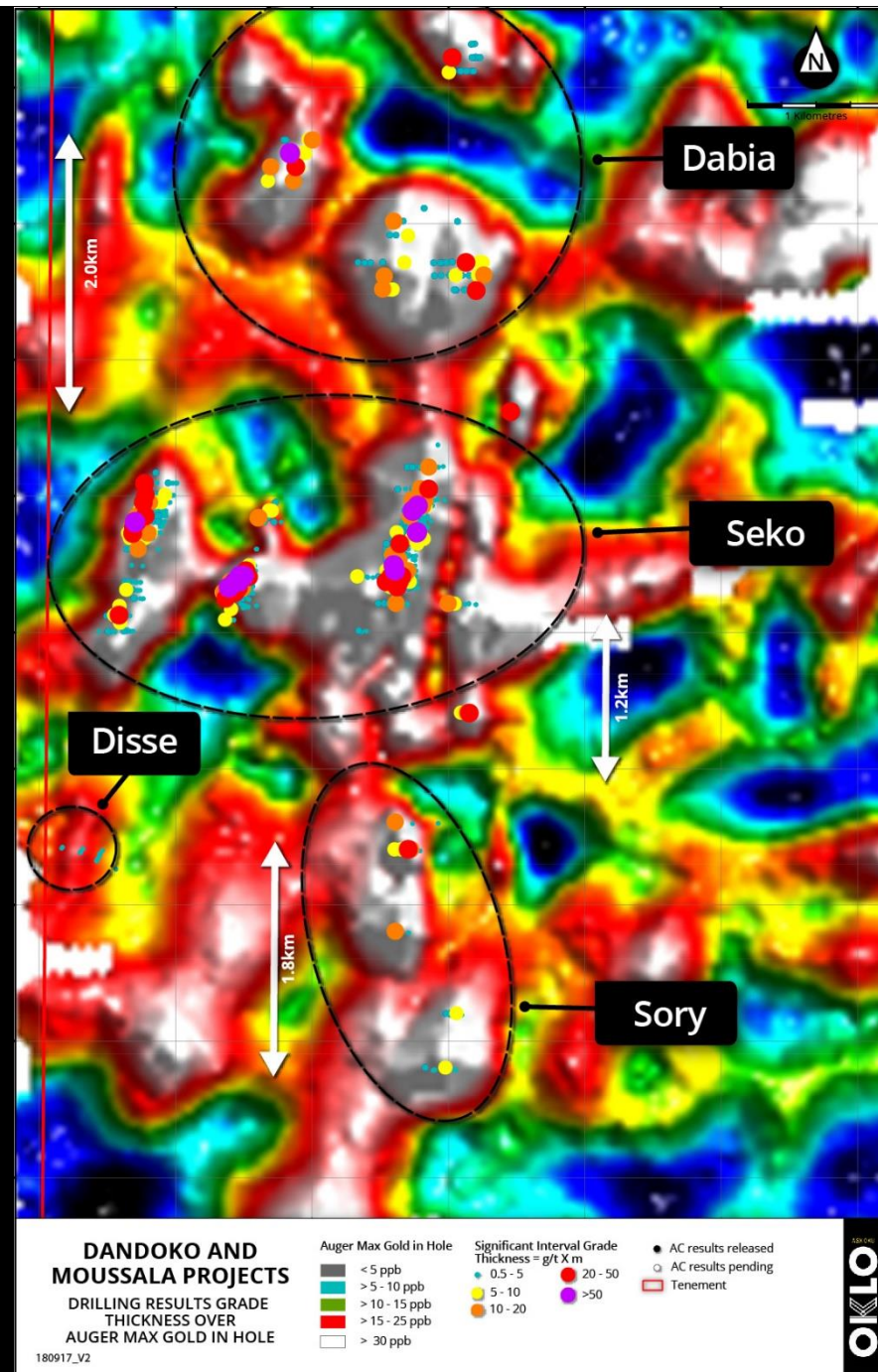
SEKO DISCOVERY LOCATION



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



EXPLORATION STRATEGY – TIMELINE

DANDOKO PROJECT

SEKO GOLD TRENDS - 6 MONTHS



Metallurgical testwork
Geological modelling and interpretation
Resource calculation

ADD VOLUME - 12 MONTHS



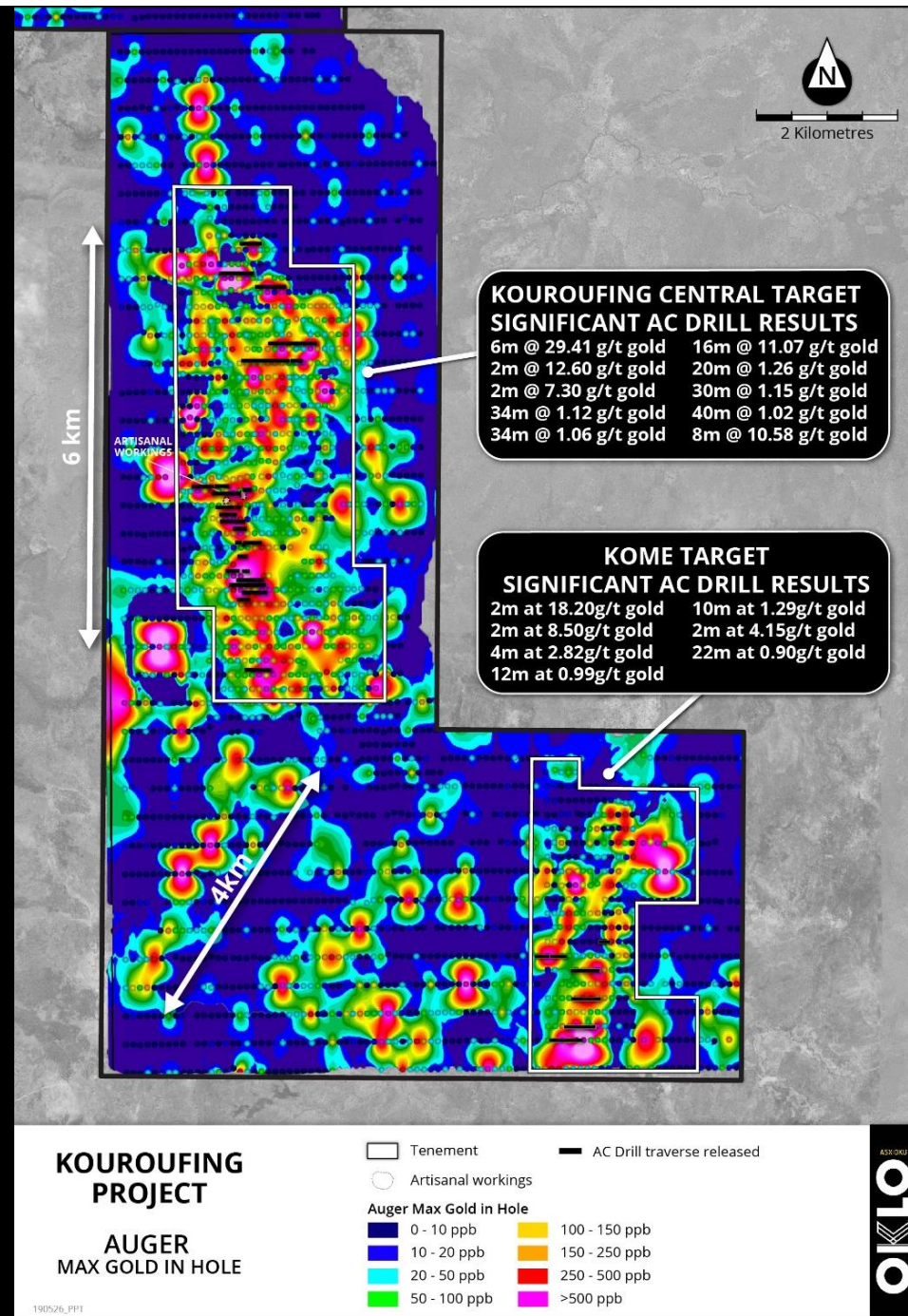
Add volume through continued drilling
Drill test for source of oxide gold mineralisation
Discovery of high grade style shoots in fresh rock



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.





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