



Exploration | Partnership | Growth Unlocking West Africa's Golden Triangle

July 2018



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Competent Person Statement

The information in this report that relates to Exploration Results and the near-Bongou Exploration Target is based on information compiled by Mr Paul Roberts who is a Fellow of the Australian Institute of Geoscientists. Mr Paul Roberts is a full time employee of the company and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration to qualify as a Competent Person as defined by the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Roberts consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Mineral Resource estimation and classification of Mineral Resources for the Bongou deposit is based on, and fairly represents, information and supporting documentation compiled by Mr Richard Gaze. Mr Gaze is a full-time employee of Golder Associates Pty Ltd and a Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy. Mr Gaze has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (2012 Edition). Mr Gaze consents to the inclusion of the estimates, classification and the supporting information in the form and context in which it appears.

Africa's Golden Triangle

Mali, Cote D'Ivoire, Burkina Faso

12 EXCITING
PROJECTS

in West Africa's most
prolific gold region

7,588km² OF
LAND

across Cote D'Ivoire, Mali and
Burkina Faso

35% owned JV with Toro Gold in Cote D'Ivoire

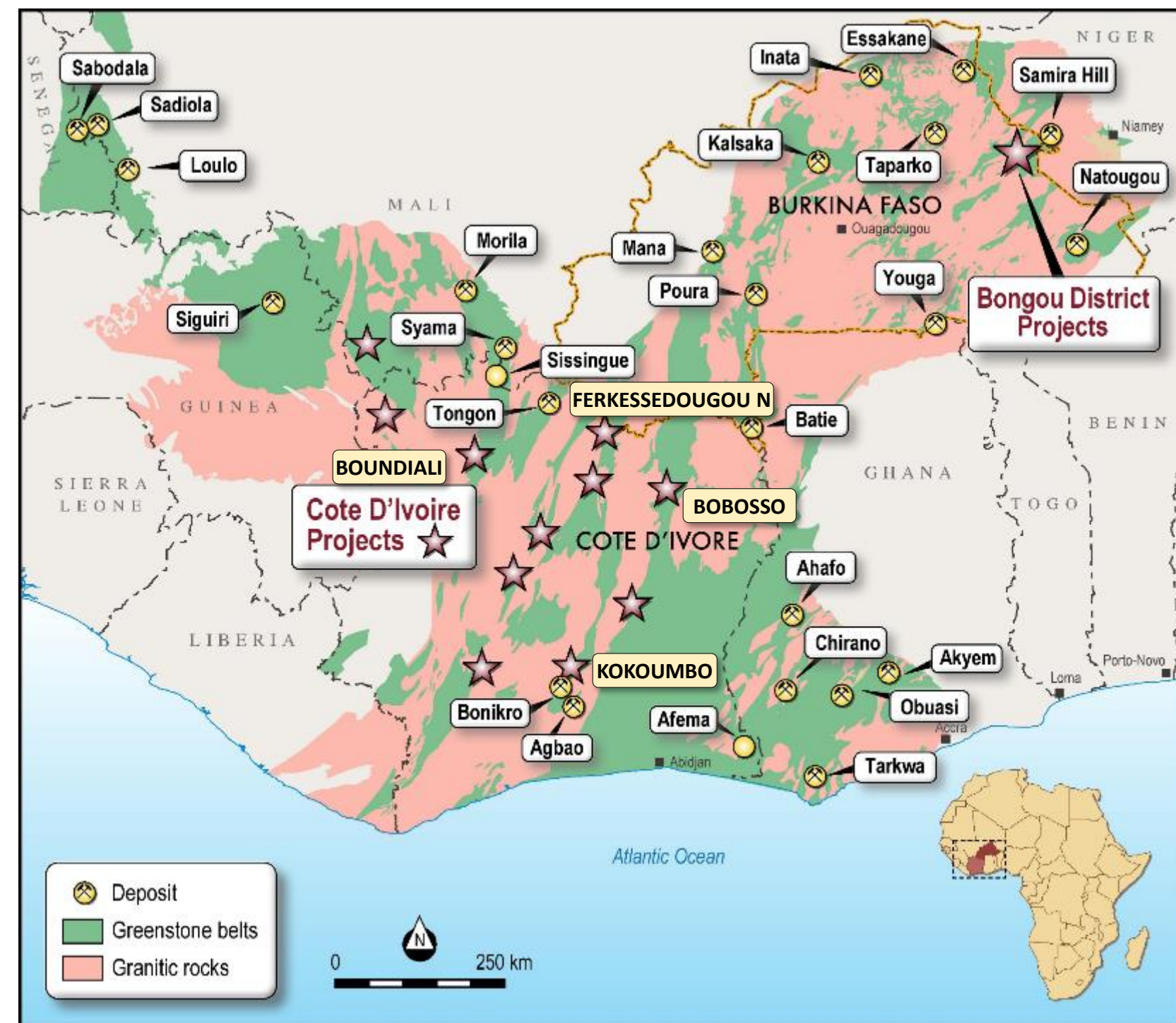
Projects with free carry:

- A\$7 Million - Progress, Burkina Faso
- free carry to production – Progress, Bobosso, Cote D'Ivoire

Numerous prospects – large potential returns
to investors

Highly focused team > 10 years experience in West
African gold

6 new gold prospects in 2018



Exploration Partnership Growth

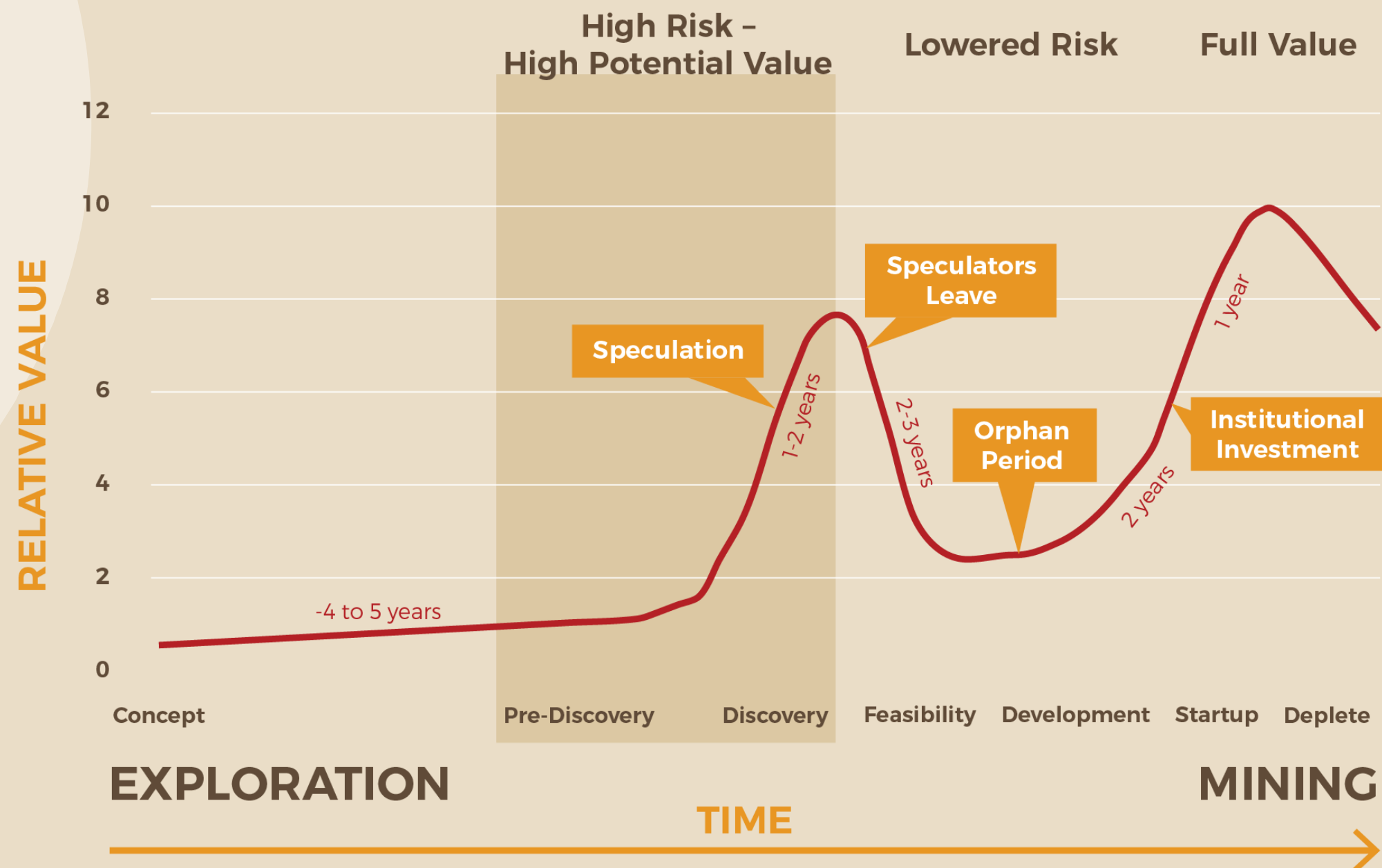


Increasing Exposure, Mitigating Risk

A Proven Model for Value Creation



Multiple projects partnered with multiple partners at any given time

Increases the chance of **exploration success** and share price increase



Traditional Model vs. Prospect Generator

Partnering expertise and driving discovery

SCENARIO	TRADITIONAL JUNIOR	PROSPECT GENERATOR
Projects	Few (1-2 Flagships)	Multiple (+5)
Discovery Goal	Single	Multiple
Risk Profile	low chance of producing <u>single</u> mine	high chance of producing <u>one or more</u> mines
Team/Expertise	Joint MD/Geo role	Multiple expert teams across numerous partner projects + numerous internal exploration teams coordinated by MD
Primary Funding	Equity	Equity, Partners: Exploration Expenditures, Cash, Shares, Royalties
Scenario	100% of a single Discovery 	30% of Multiple Discoveries 

The case for Predictive Discovery

ASX:PDI

Limited Downside Unlimited Upside

Predictive Discovery focussed expertise to **identify new target projects**

Predictive funded **project due diligence**

Predictive/Partner funded **exploration to define opportunity**

Partner funded **drilling/feasibility**

Predictive Discovery already realising shareholder value with Bobosso MOU for upfront payment and production bonus

Driving newsflow

Concurrent Funded Programs

Burkina Faso Project	Progress JV	<div>Power Auger</div> <div>20,000m RC Drilling</div> <p>Across Bira, Kalinga, Tantiabongou permits, leading to eventual resources estimation. Geochemistry and drilling elsewhere in Burkina package.</p>
Ferkessedougou North & South Project	PDI	<div>RC Results</div> <p>Partly released</p>
Boundiali Project Cote D'Ivoire	Toro JV	<div>Soil Geochemistry</div> <div>RC/DD Drilling</div> <p>on new Boundiali North Permit</p>
Kokoumbo-Beriaboukro Project Cote D'Ivoire	Toro JV	<div>IP Survey</div> <div>RC/DD Drilling</div>
Bobosso Project Cote D'Ivoire	Progress - WAVI JV	<div>IP Survey</div> <div>RC Drilling</div> <div>Regional Exploration</div> <p>inc Dabakala permit (to North)</p>
Mali Authorisations	PDI	<div>Ongoing Geochemistry/geology on authorisations</div> <div>Permit applications. soils/trenching</div>
New West African Projects	PDI	<div>6 gold-focused permit applications in Cote D'Ivoire & new projects in Mali, Burkina Faso +/- Cote D'Ivoire</div>

Burkina Faso JV

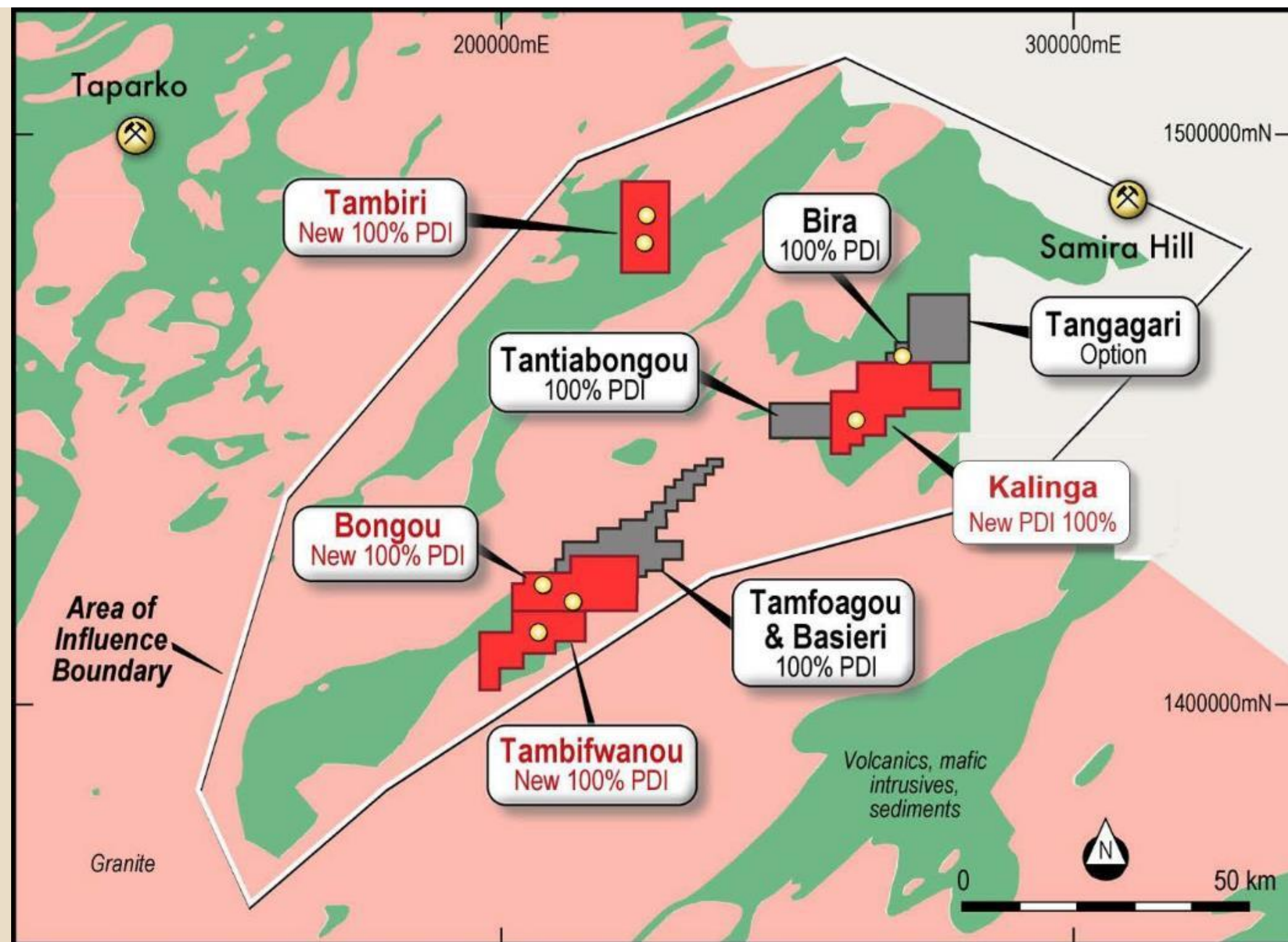
Major ground position,
advanced project

90km of strike of gold mineralised
Samira Hill Belt

JV with Progress Minerals
(within AOI)

Progress earning 70% by spending
US\$5m

Bongou resource, Bira current drilling
focus, additional prospects

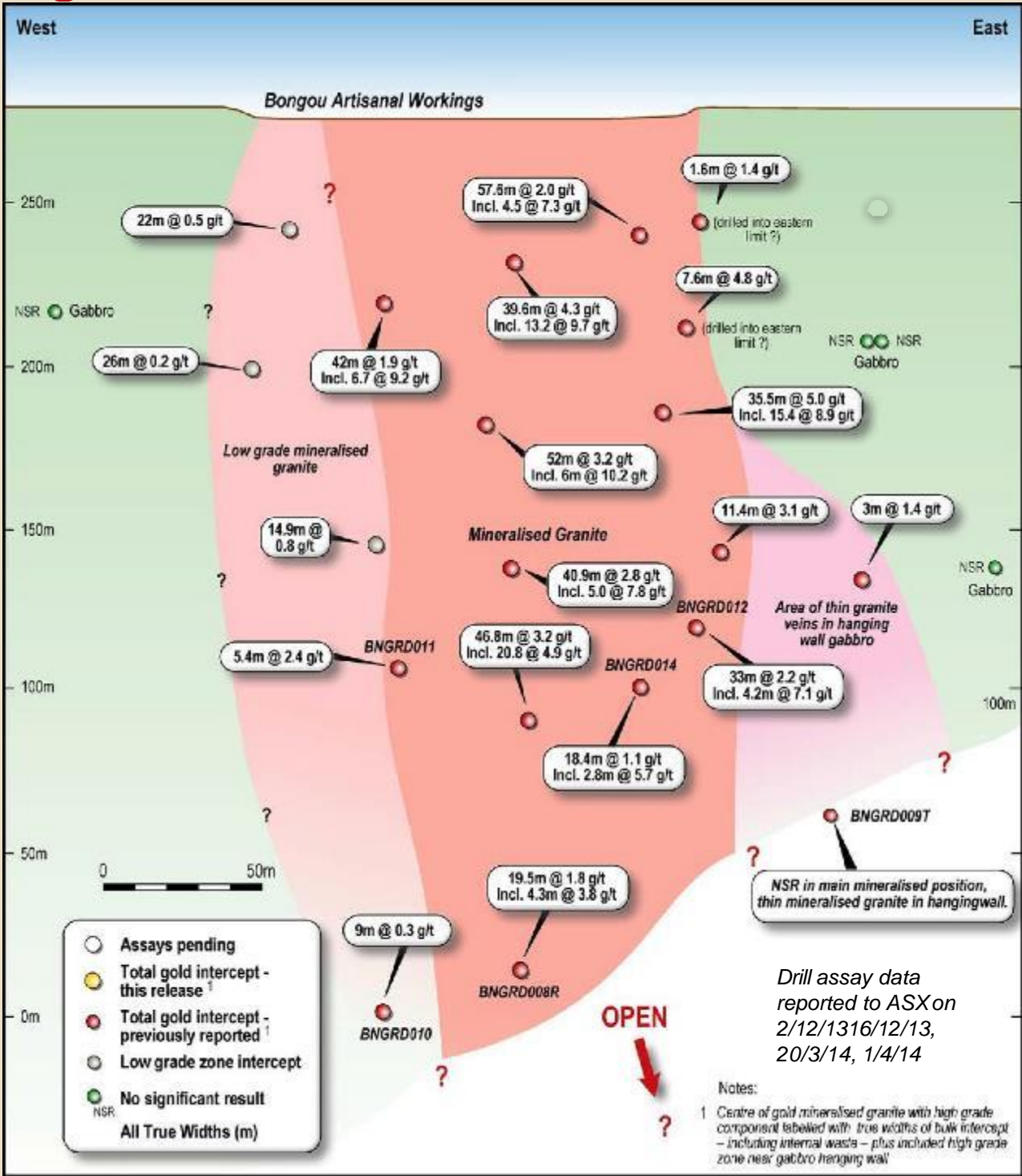


Burkina JV-Bongou Gold Discovery

Mineral Resource Estimate

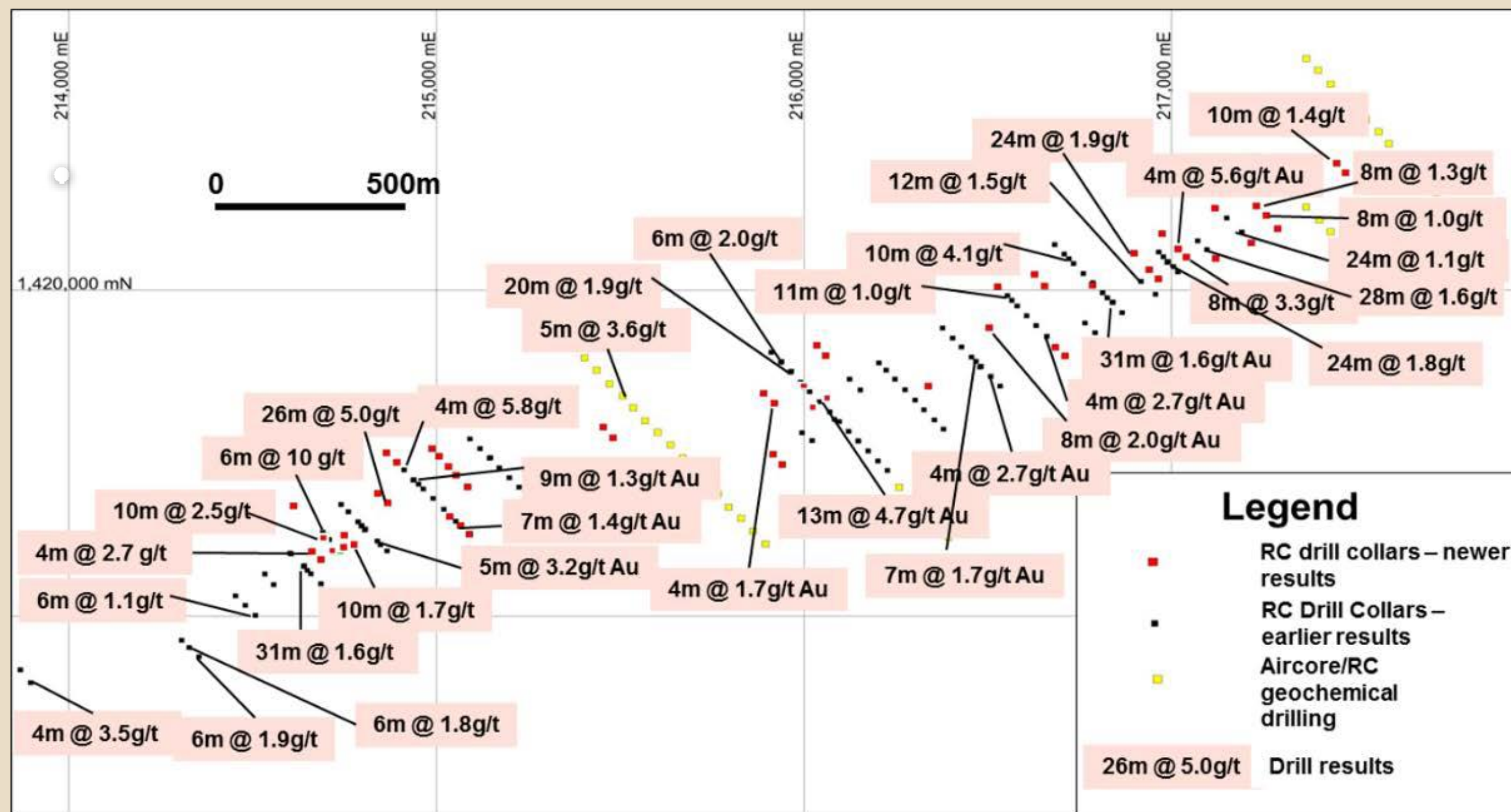
(Reported to ASX on 4th Sept 2014)

	Total Resources Indicated & Inferred		
Cut off grade	Million tonnes	Au (g/t)	Ounces
0.40	2.55	2.32	190,000
0.80	2.22	2.58	184,000
2.00	1.13	3.75	136,000
3.00	0.62	4.80	96,000



Burkina JV - Bongou

Nearby Gold Potential Dave Prospect



Bongou

Nearby Gold Potential

Over 90 selected targets

Exploration Target calculation (excluding Bongou, within 10km of Bongou – ASX release 3/9/15):

On: Dave Prospect, Target 92, Laterite Hill Prospect 71, near Bongou targets.

9.4-10.4Mt

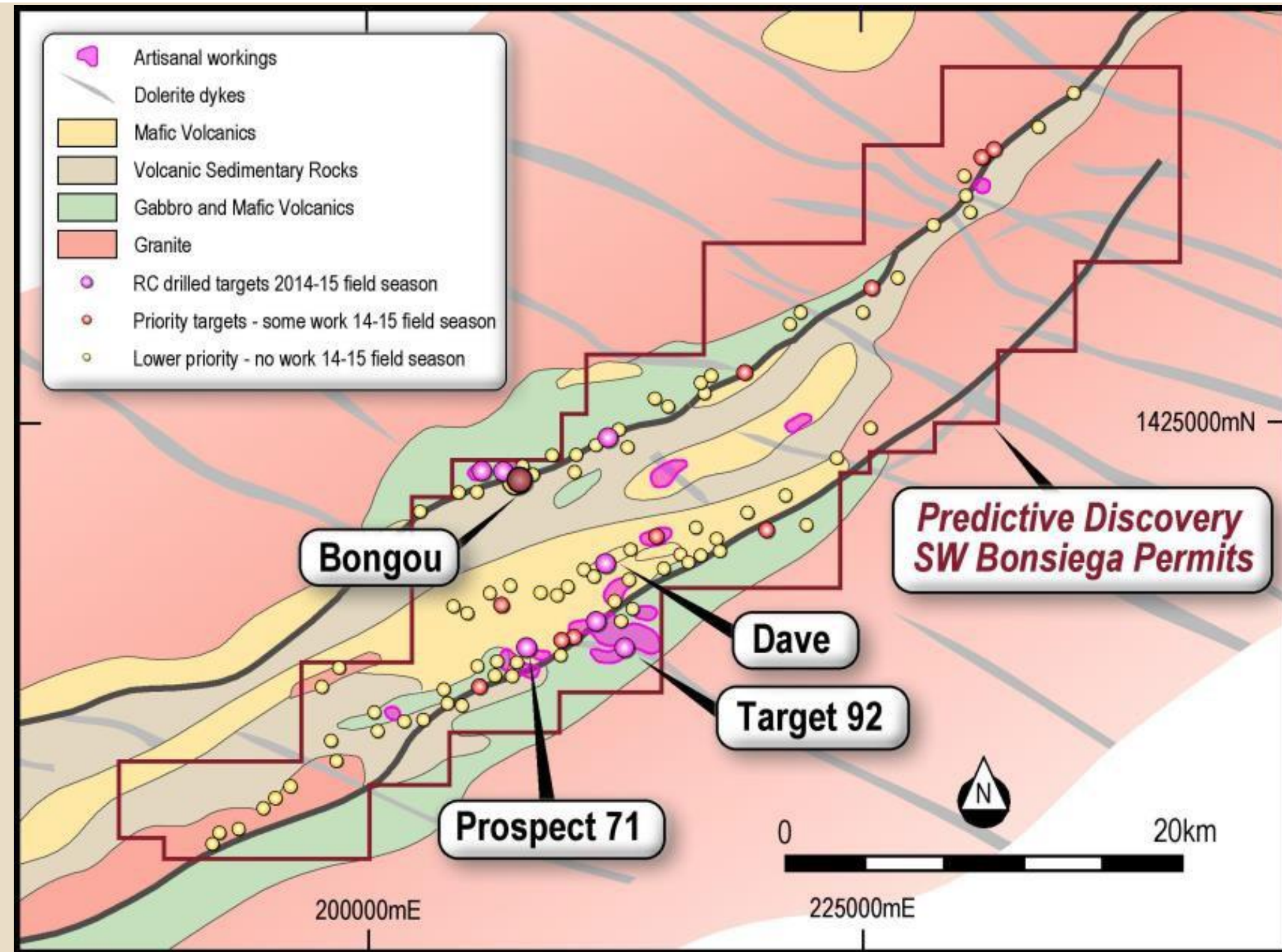
1.5-1.7g/t Au

460,000 – 560,000oz Au*

Potential for heap leach - sighter metallurgical testwork on Dave RC chips gave 89% Au recovery

Additional potential within 80km:

Bira, Tambiri, Solna



Burkina JV - Bira Prospect

Recent drilling

800m zone

27m at 1.8g/t Au from 23m

33m at 1.4g/t Au from 51m

17m at 1.7 g/t Au from 2m

22m at 1.5g/t Au from 115m

21m at 1.4g/t Au from 72m

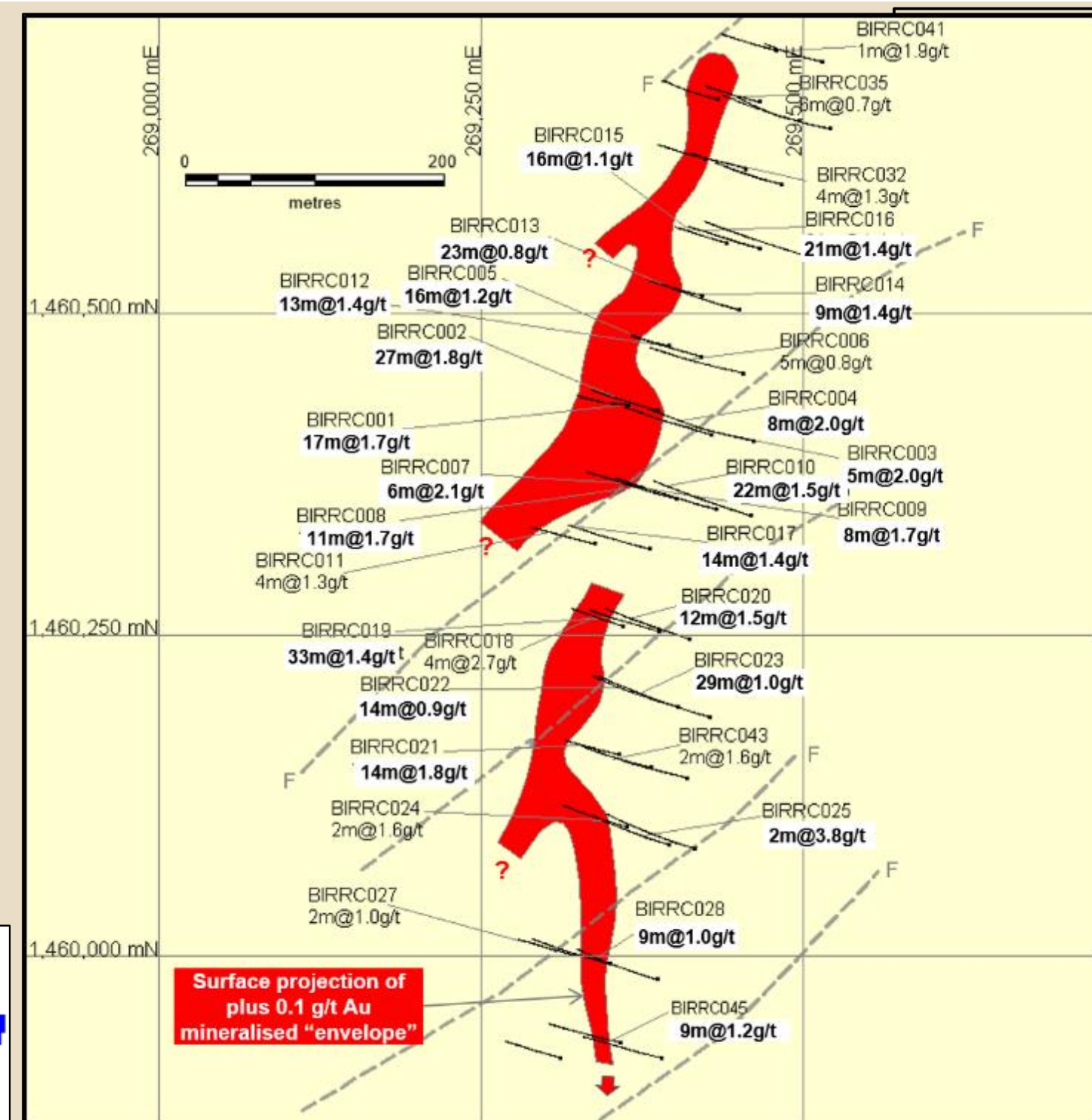
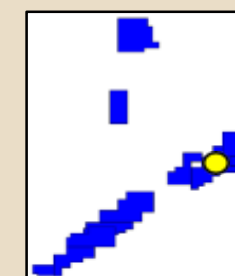
14m at 1.8g/t Au from 45m

14m at 1.4g/t Au from 98m

29m at 1.0g/t Au from 79m

Excellent continuity and
indicative metallurgy

Open to depth/along strike



Bira Prospect

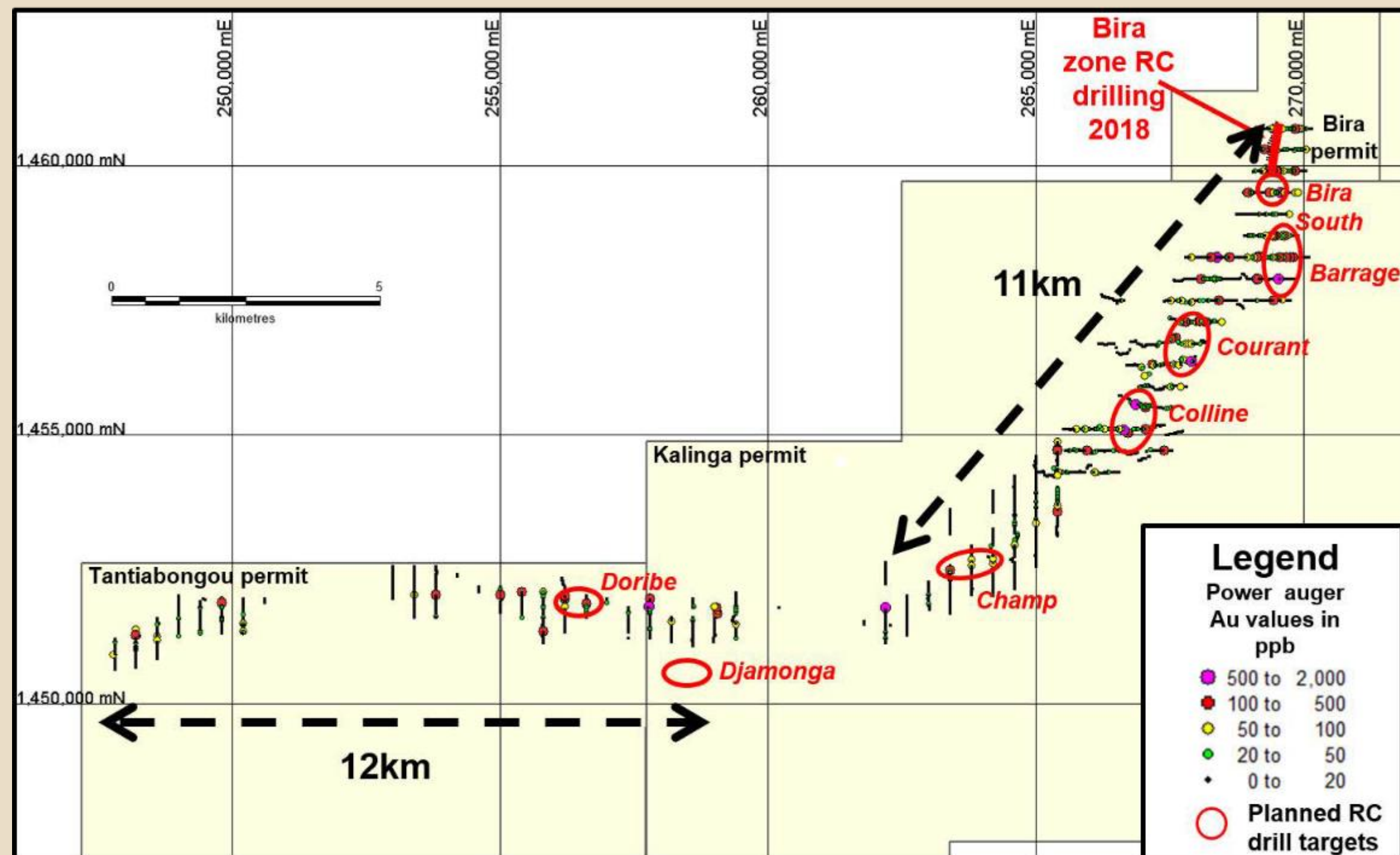
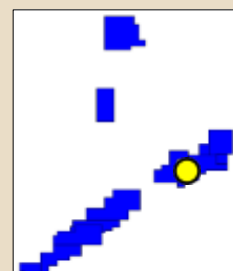
>20km zone of gold anomalies to SW

20km of gold anomalies so far

6 new prospects to drill

Space for >>1 million ounces

Only part of the ground package and potential resources



Cote D'Ivoire Permits

6,000 km² of permits & applications

Toro Gold JV (brown):

Successful explorer, developing Mako Gold Mine in Senegal

Toro:PDI 65%:35% PDI contributing

Excellent results from 4 projects incl. Nyangboue gold discovery

Bobosso JV (red):

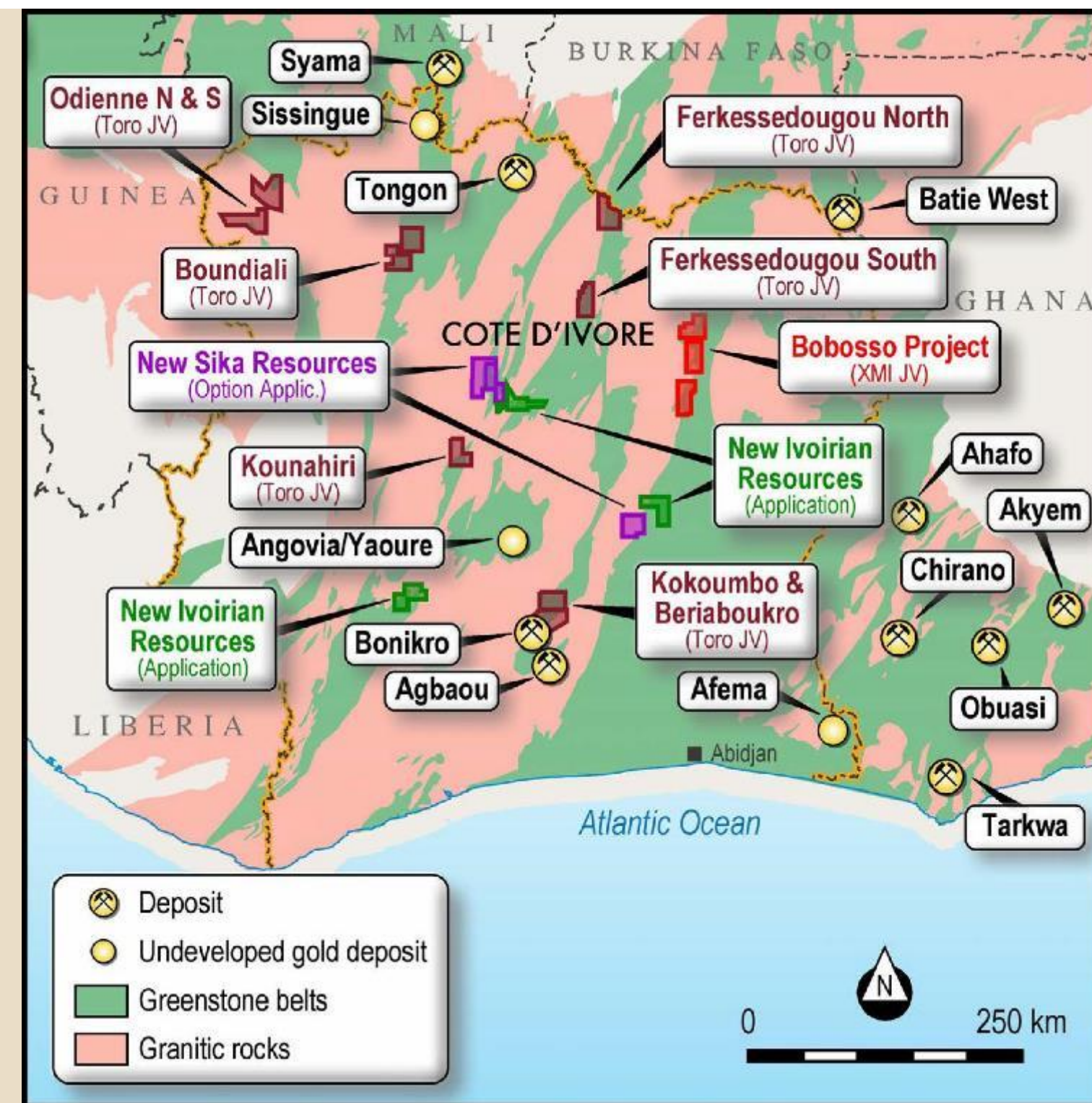
Progress Minerals: Canadian private, Strong mine development expertise

Very large gold mineralised system

Encouraging drilling results

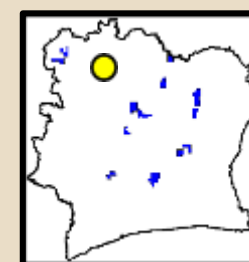
Applications awaiting grant – Sika Resources Options & Ivoirian Resources (100% PDI) - (magenta & green)

Permit areas selected using PDI Predictore™ target selection system



Toro Gold JV

Boundiali permit – Nyangboue Prospect



1.2km long gold mineralised system

4km of untested soil anomaly to north

Best intercepts (near surface)

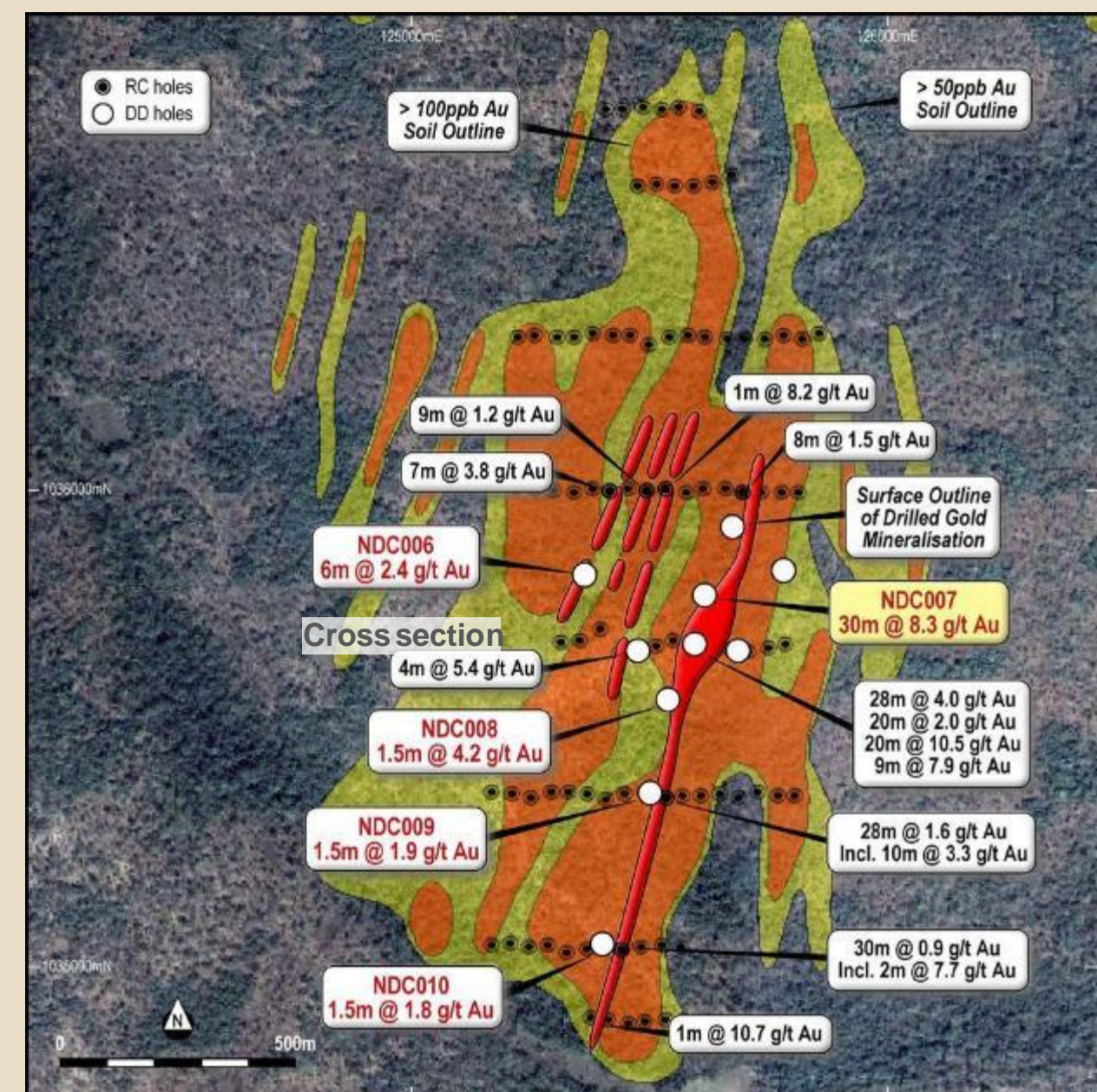
20m @ 10.5g/t Au,

30m @ 8.3g/t Au,

28m @ 4.0g/t Au

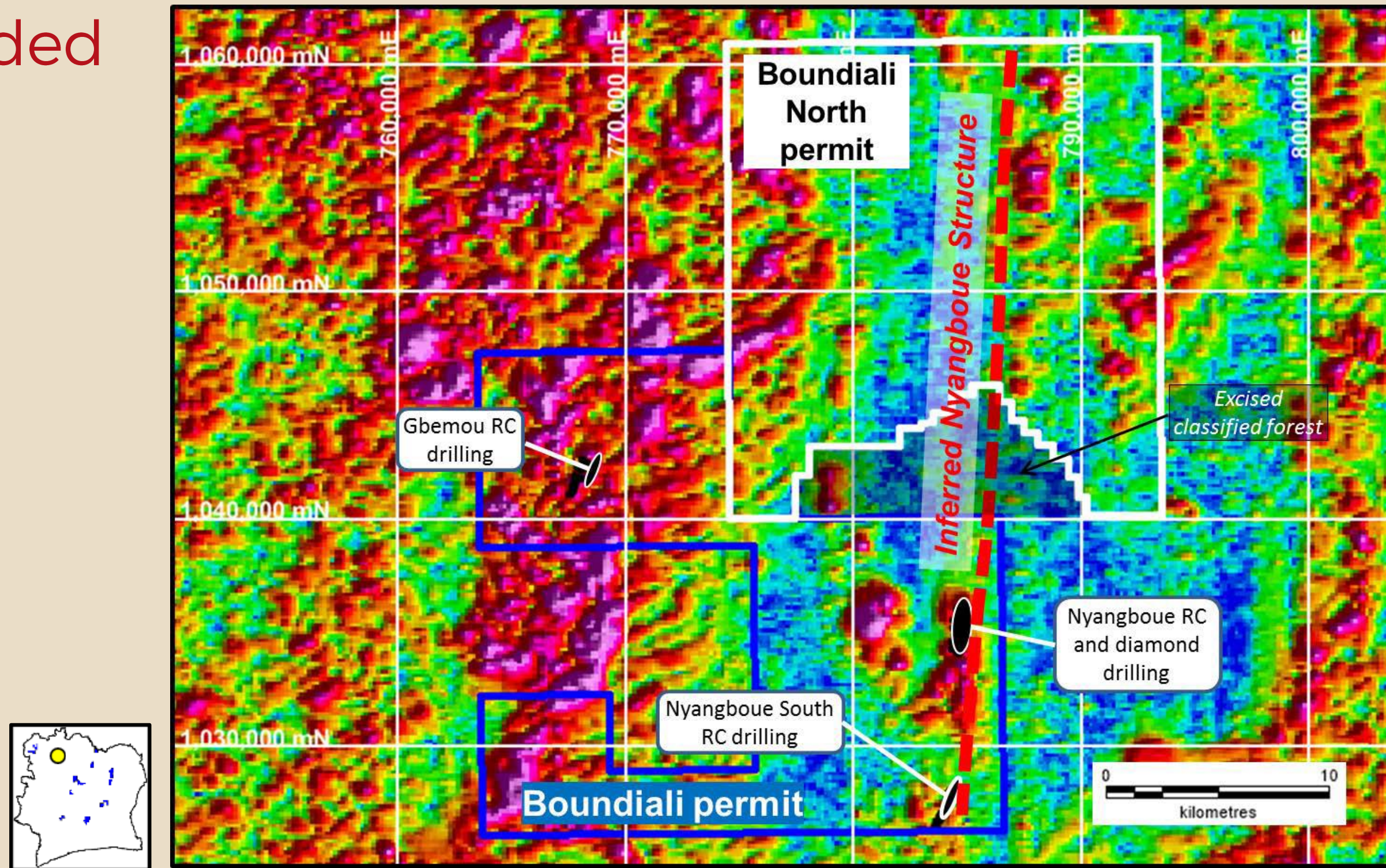


Visible gold in core



Toro Gold JV, Boundiali North, Cote D'Ivoire

16km more strike added recently



Toro Gold JV

Ferkessedougou North New Discovery

17km long gold-in-soil trend

Gold mineralisation along NNE trending
granitic dykes

5,000m reconnaissance drilling program yields
highly encouraging results:

13m at 5.35g/t Au (stopped in mineralization)

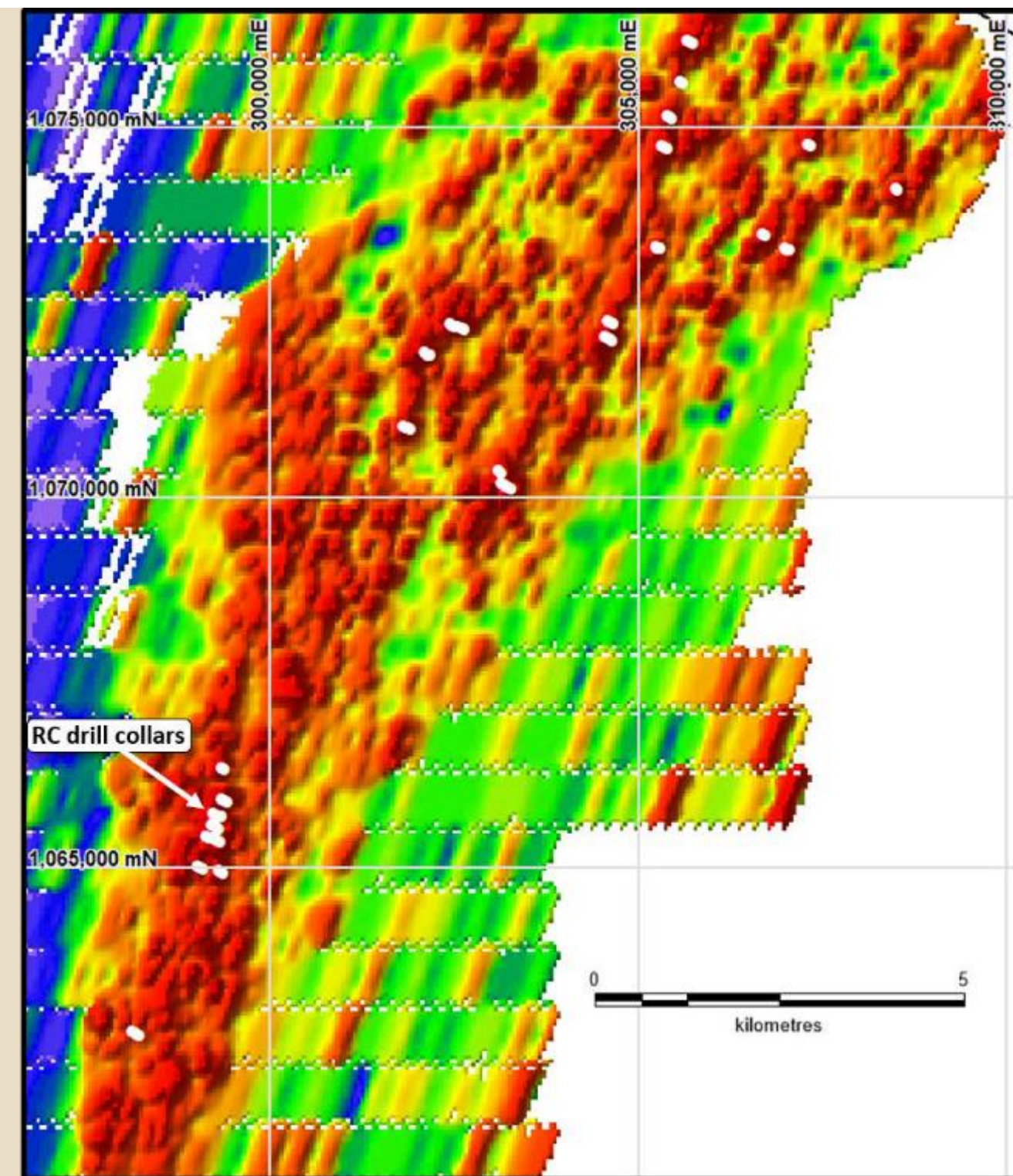
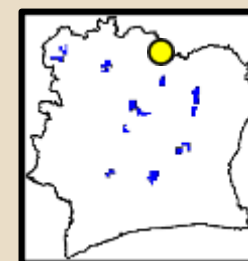
2m at 5.44g/t Au

14m at 1.20g/t Au

9m at 1.47g/t Au

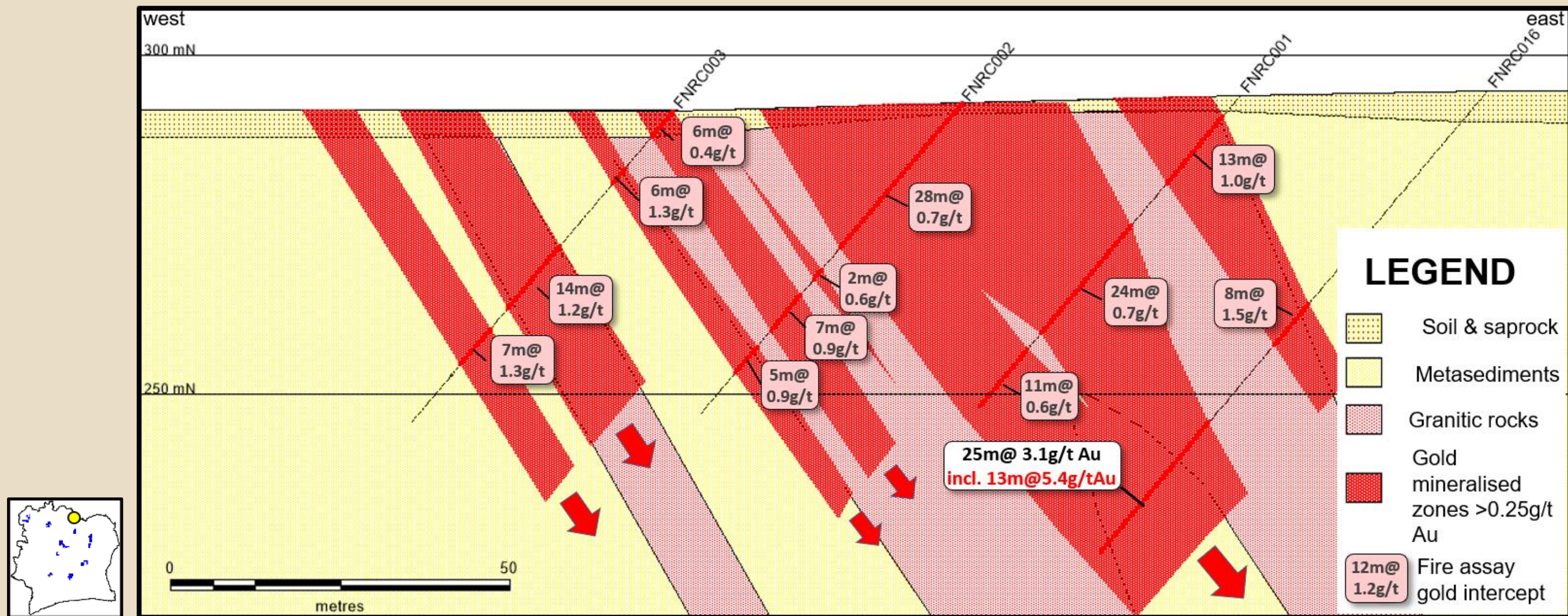
Broad zones with multiple intercepts

Very early days - many untested anomalies
and granitic dykes



Toro Gold JV

Ferkessedougou North New Discovery



Toro Gold JV

Kokoumbo permit

50 years of colonial mining, 200 years of artisanal mining

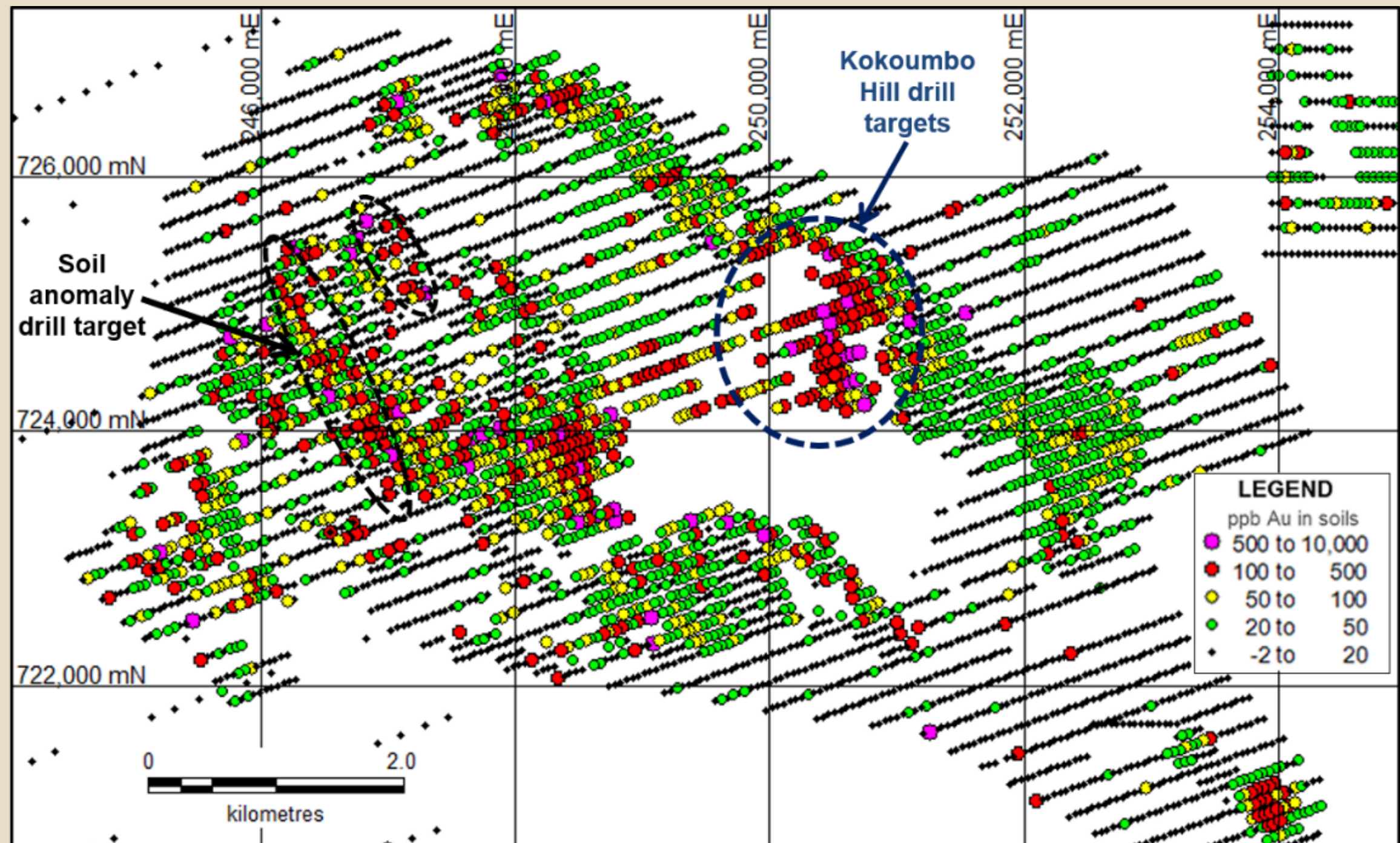
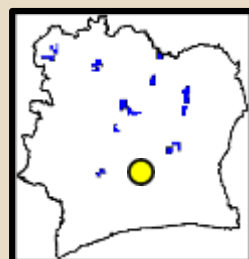
Close to Bonikro, Agbaou Mines

Many soil gold anomalies, peaking at 5.6g/t Au

High grade rock chip samples, up to 98g/t Au

Diamond drilling includes 7.5m at 16g/t Au from surface

New drill targets from geochemistry & geophysics



Progress - WAVI JV

Cote D'Ivoire Bobosso Project

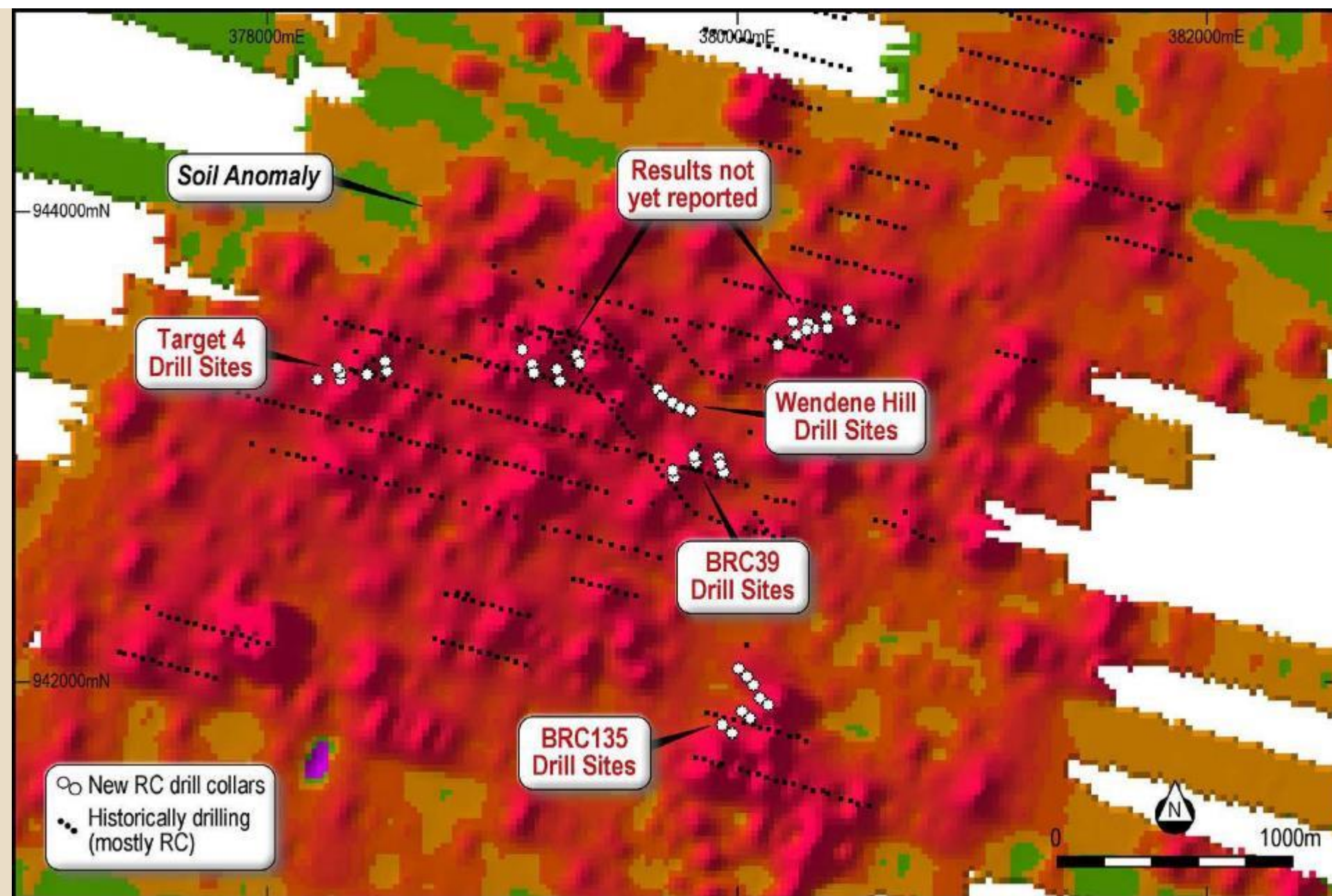
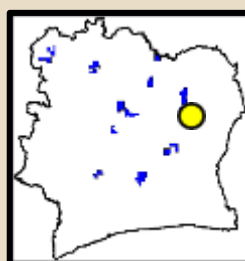
Progress will buy PDI's 30% equity for C\$0.5m upfront plus reserve ounce payments on production for up to 3 mines

Very large gold anomaly

Positive RC intercepts (including:

- 11m at 4.9g/t Au from 5m
- 28m at 2.18g/t Au from 5m
- 18m at 2.05 g/t Au from 9m
- 19m at 1.28g/t Au from 73m
- 19m at 2.13g/t Au from 3m
- 21m at 1.59g/t Au from 61m

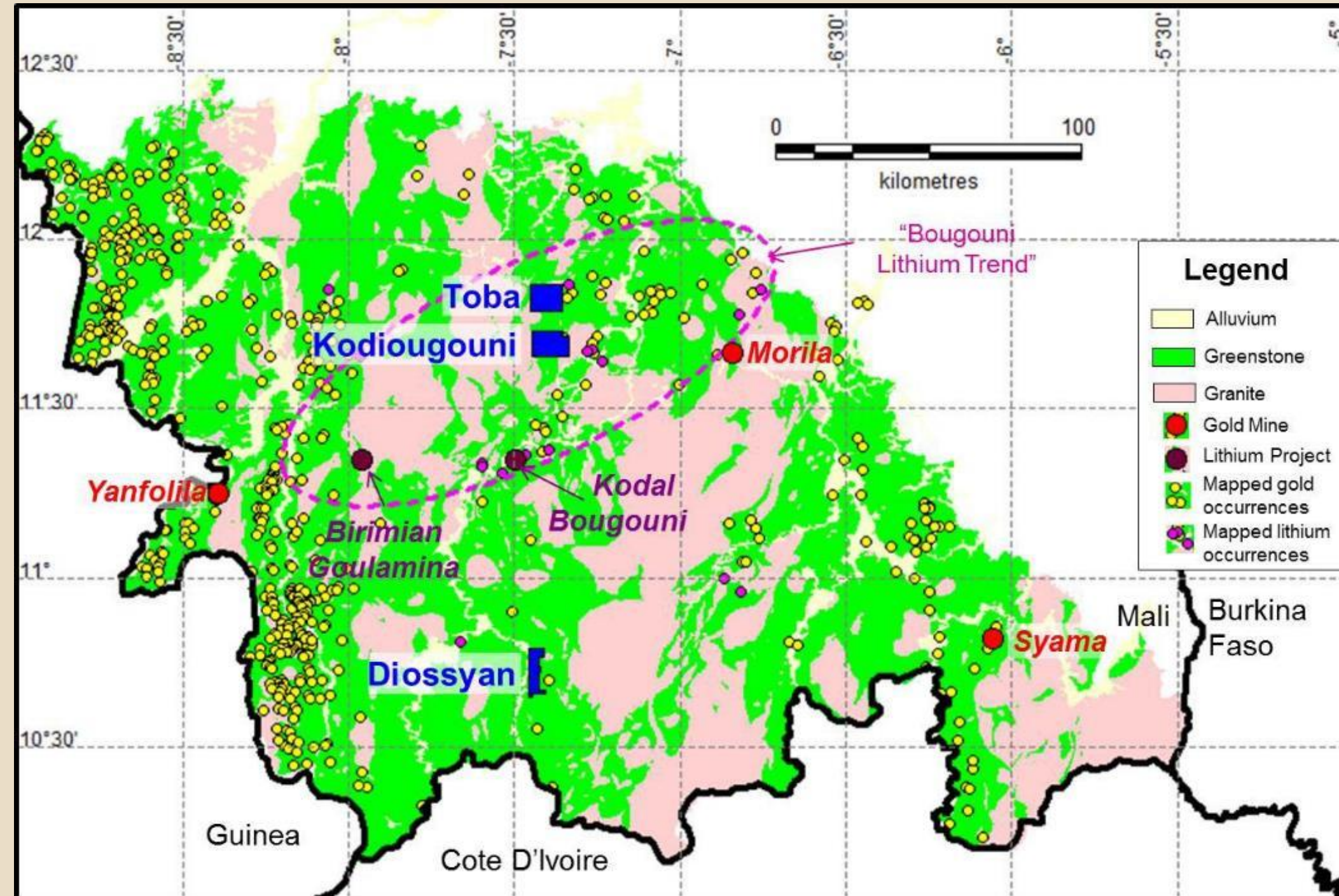
Interesting project requiring large investment to complete evaluation



Gridded gold-in-soil geochemical image and drill locations
(red peaks = high values)

Mali – Au-Li prospectivity, work underway

250 km² so far, in discussions with local permit owners



Generating Opportunity

Leveraging partnerships to explore West Africa

Investment exposure to world class gold opportunities

Prospect Generator potential million ounce prospects across numerous projects, with limited downside risk

Expansive holdings in West Africa's golden triangle

7588km² across multiple projects in Cote D'Ivoire, Mali and Burkina Faso

Multiple partner funded drill programs

Results from Boundiali, Ferkessedougou, Bobosso and Bongou/Bira - multiple opportunities to host large gold systems

Leveraging partner expertise to pursue growth

Partner teams expanding the growth opportunities across projects



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Appendices - Corporate

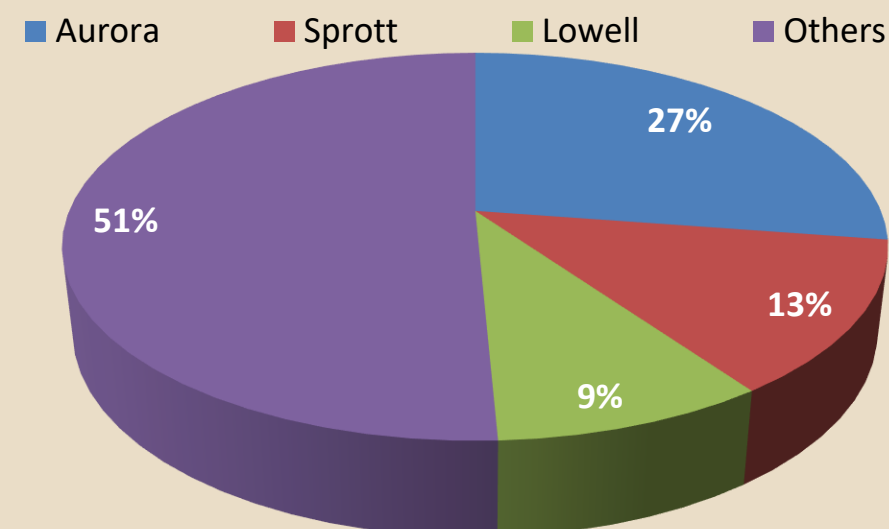
Board Members

Mr. Phillip Jackson	Non-Executive Chairman	Extensive board experience, resources (petroleum/minerals) corporate lawyer. Chairman of Aurora (largest shareholder)
Mr. Paul Roberts	Managing Director	Discovery track record, global exploration experience
Mr. David Kelly	Non-Executive Director	Extensive geological, business development and investment banking experience

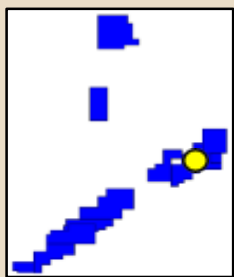
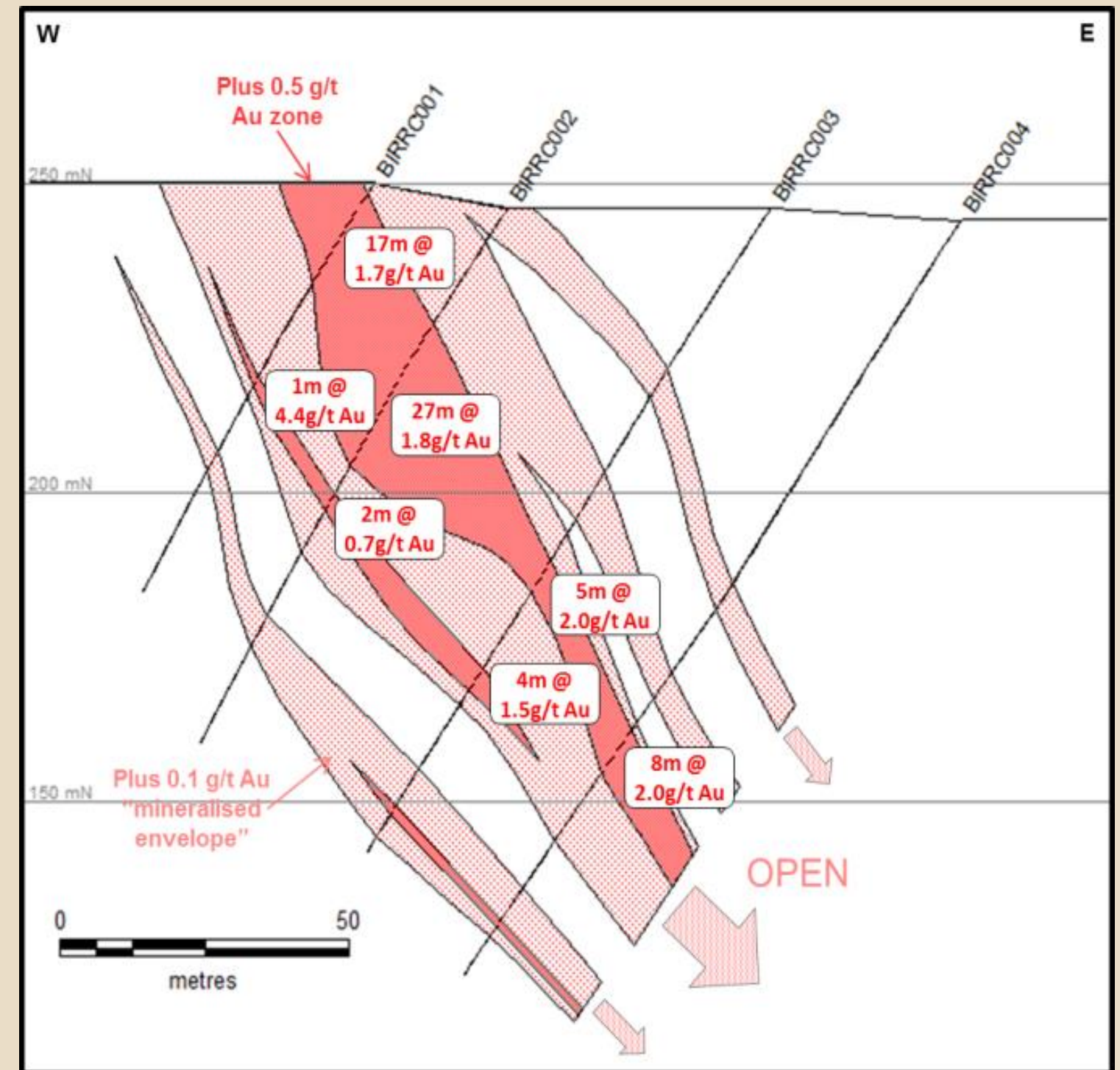
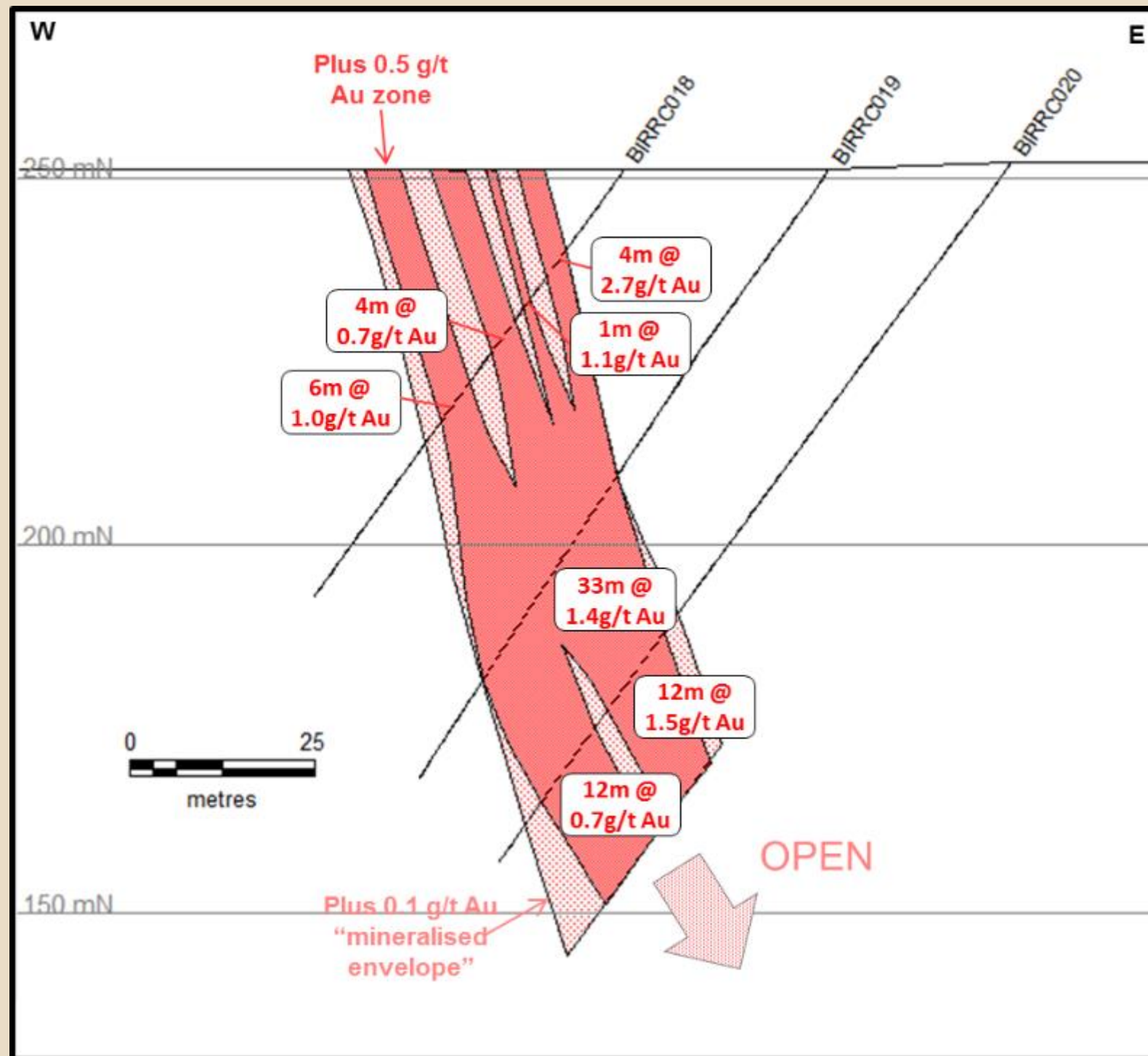
Capital Structure

Shares on Issue (ASX:PDI)	236 million
Share Price	A\$0.022
Market Cap. (@0.022)	A\$5.2 million
Cash Position 31/03/18	A\$2.7 million
Enterprise Value	A\$2.5 million
Debt	Nil
Top 20 Shareholders (%)	62%

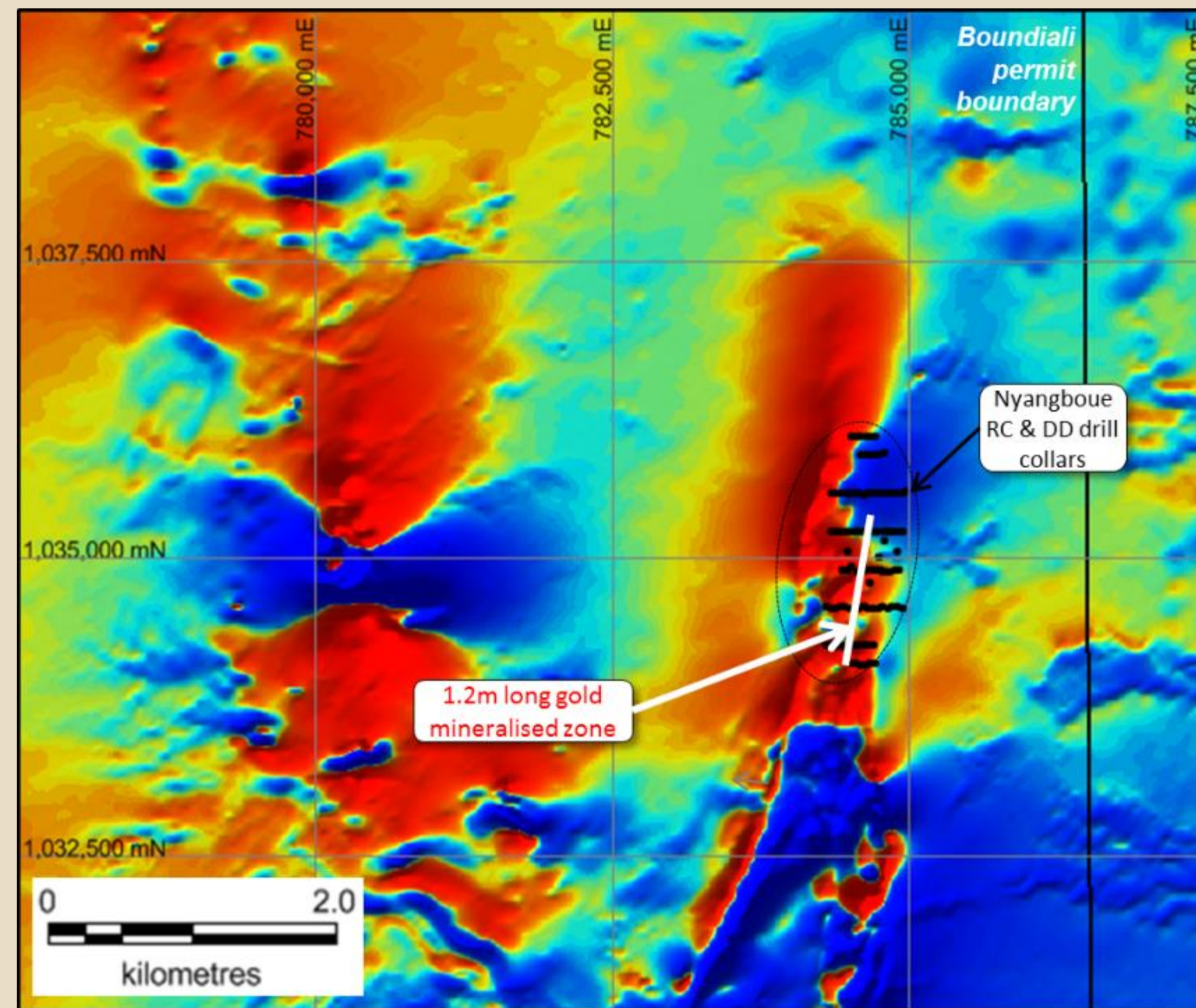
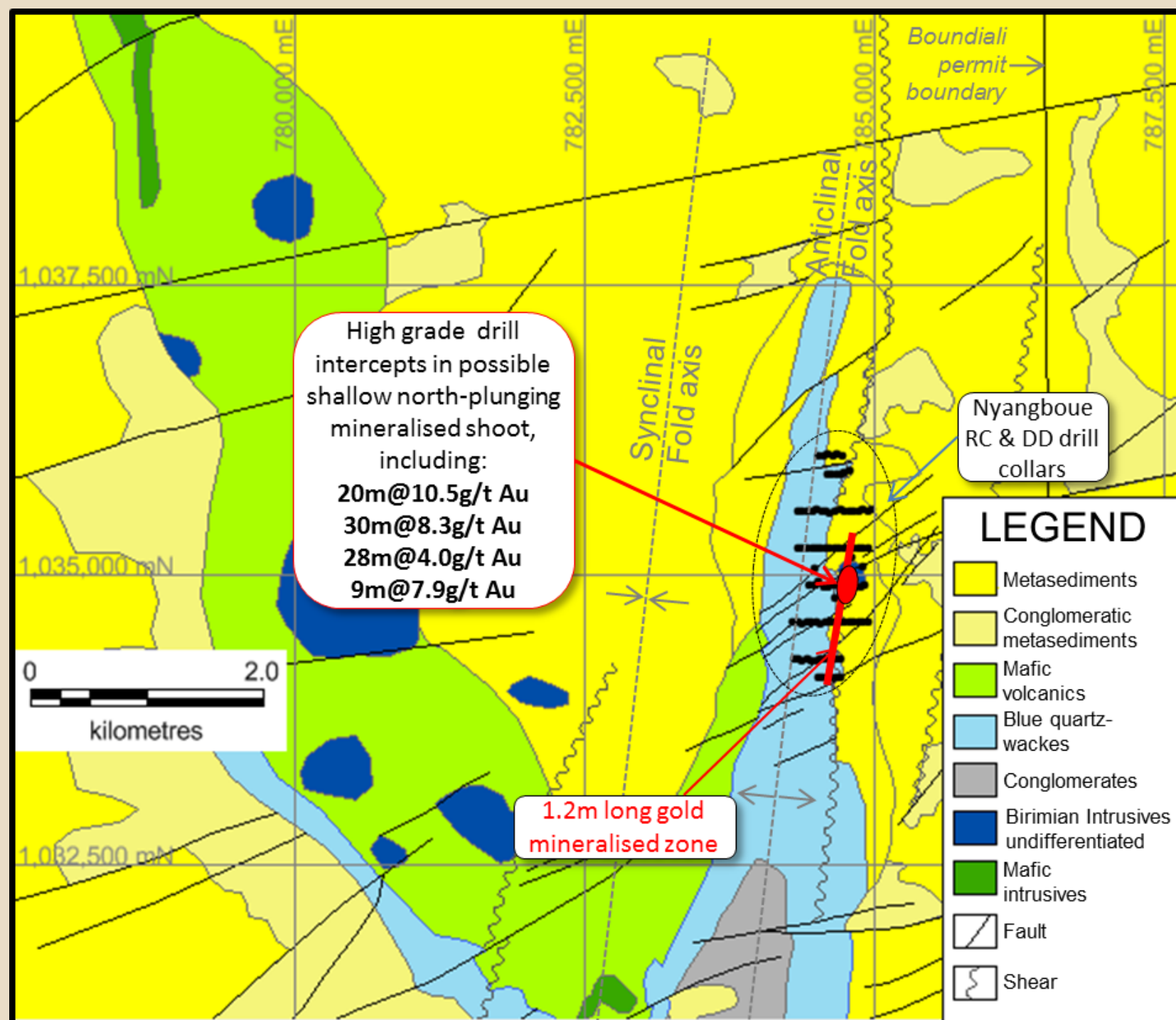
Major Shareholders



Appendices – Bira Drill Cross Sections



Appendices – Boundiali Geology and Magnetics



Appendices – Ferkessedougou N Drill Plans

