

The background of the slide is a photograph of a mining site. In the foreground, two workers in red jumpsuits and hard hats (one white, one blue) are working with large metal pipes on wooden sawhorses. In the background, a large yellow drilling rig is visible, along with other workers and white containers. The ground is reddish-brown dirt.

Project Generator Strategy for New Gold Discoveries in West Africa

Disclaimer

This presentation contains only a brief overview of Predictive Discovery Ltd and its associated entities ("PDI or Predictive") and their respective activities. The contents of this presentation, including matters relating to the geology of the projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.

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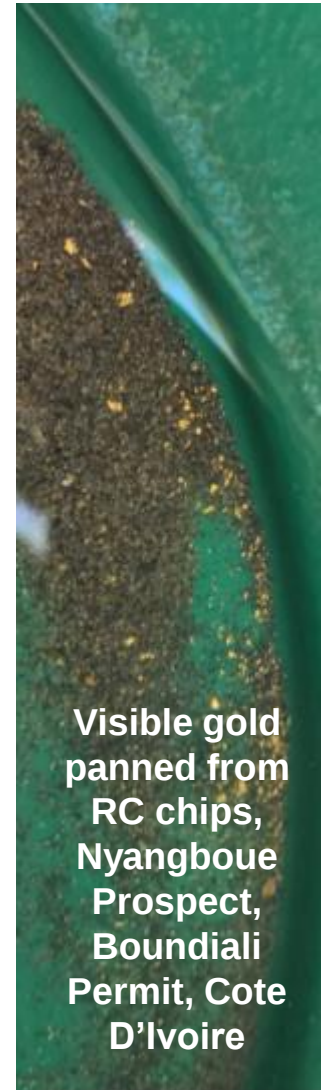
Competent Person Statement

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.

Strategy

- ❖ One-stop shop for investors seeking exposure to gold exploration success in West Africa
- ❖ Advanced projects largely funded by JV partners
- ❖ PDI retains 30-40% equity
- ❖ Identify new projects, exploration work up to/including initial drilling, bring in JV partners and/or obtain project level funding
- ❖ Low overheads



ASX:PDI - Corporate Summary

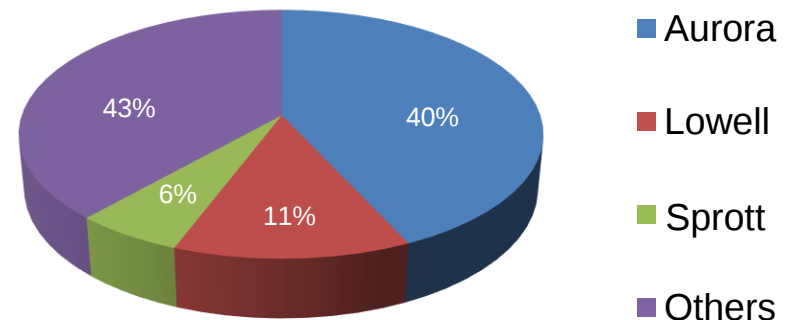
Board Members

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

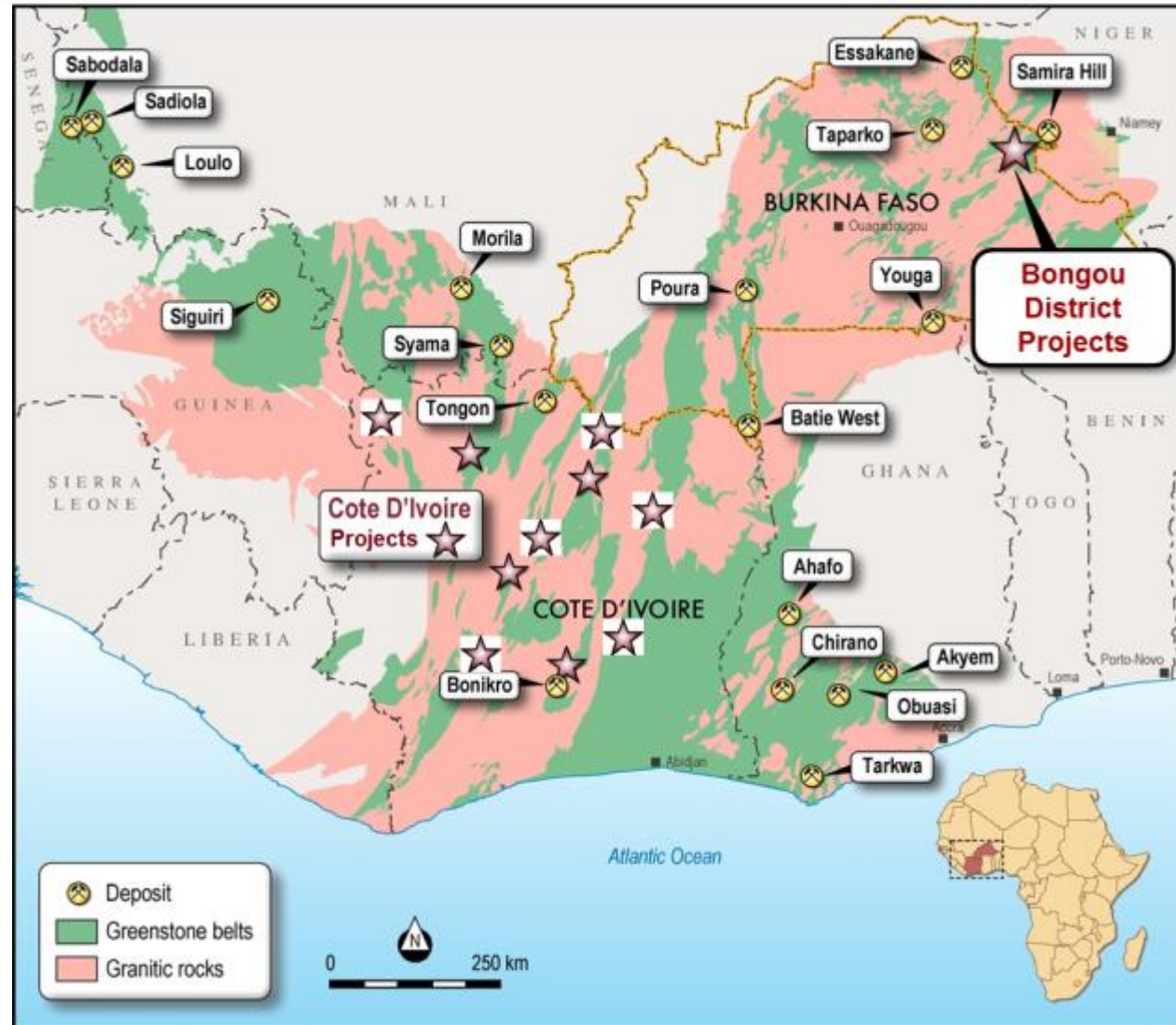
Shares on Issue (ASX:PDI)	1.63 Billion
Share Price	A\$0.012
Market Cap. (@0.012)	A\$ 19.6 million
Cash Position 31/12/16	A\$ 2.7 million
Enterprise Value	A\$ 16.9 million
Debt	Nil
Top 20 Shareholders (%)	70%

Shareholders



PDI'S CONSISTENT FOCUS: WEST AFRICA

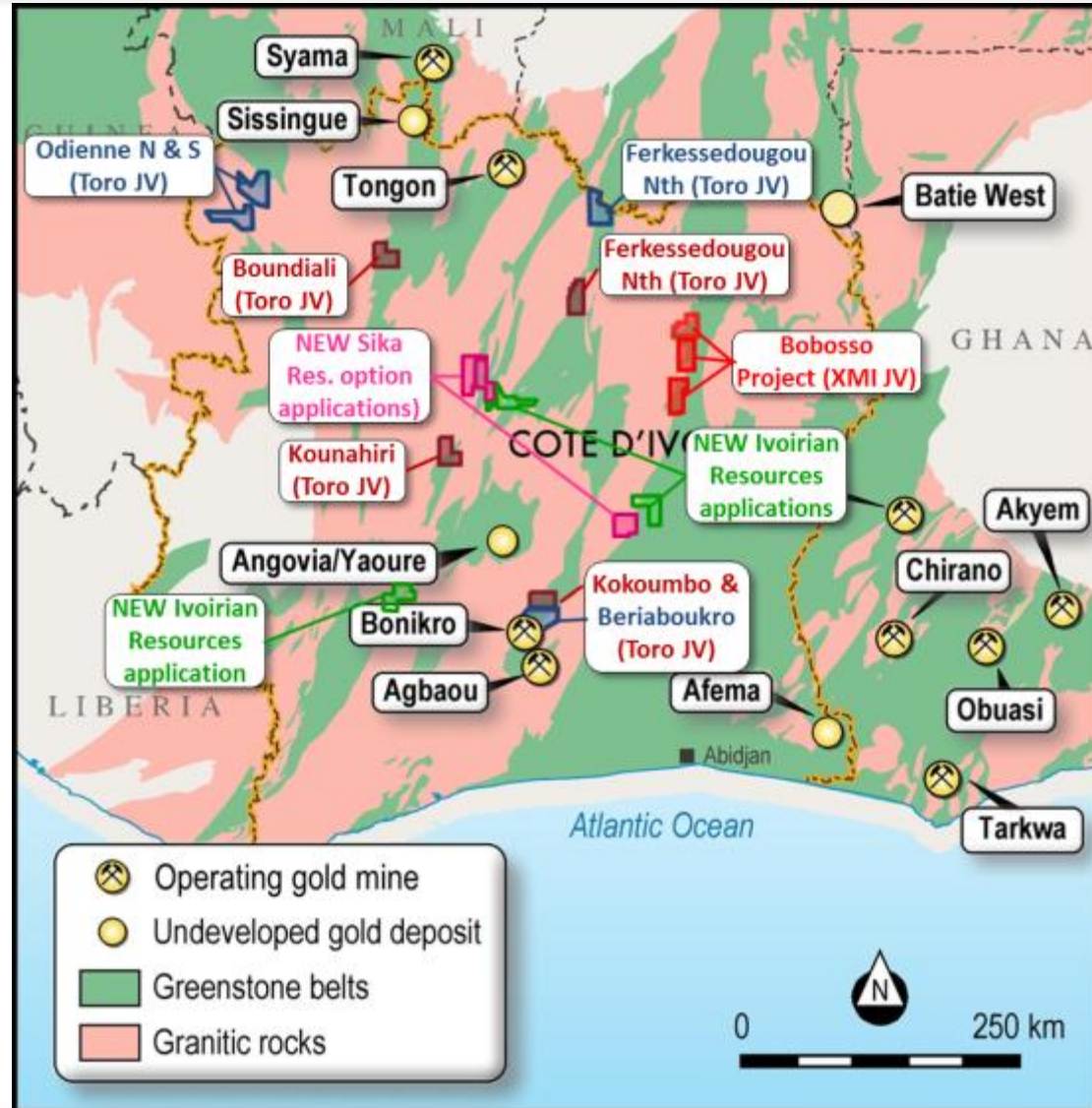
- ❑ Numerous projects - advanced to grass roots
- ❑ Expanding in Cote D'Ivoire
- ❑ Cote D'Ivoire and Burkina Faso:
 - ❖ In Francophone Africa – fixed exchange rate to the Euro
 - ❖ Strong democracies
 - ❖ Supportive mining policies and law
 - ❖ >50% of the Birimian greenstones



Cote D'Ivoire Permits

>6,000 km² permits and permit applications

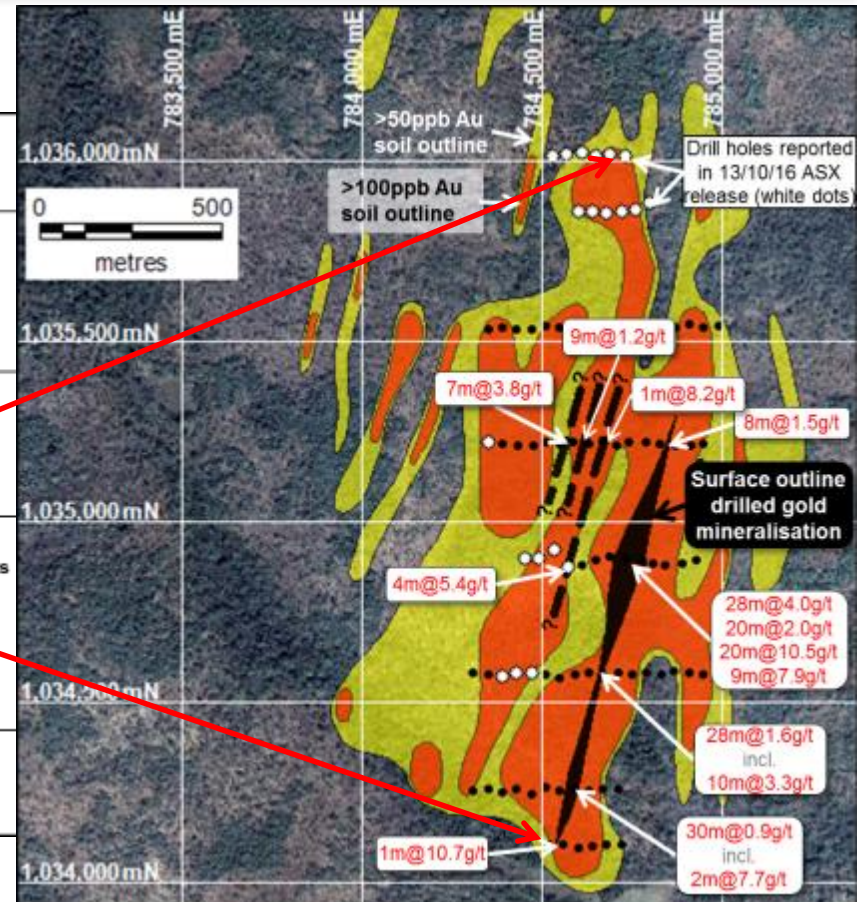
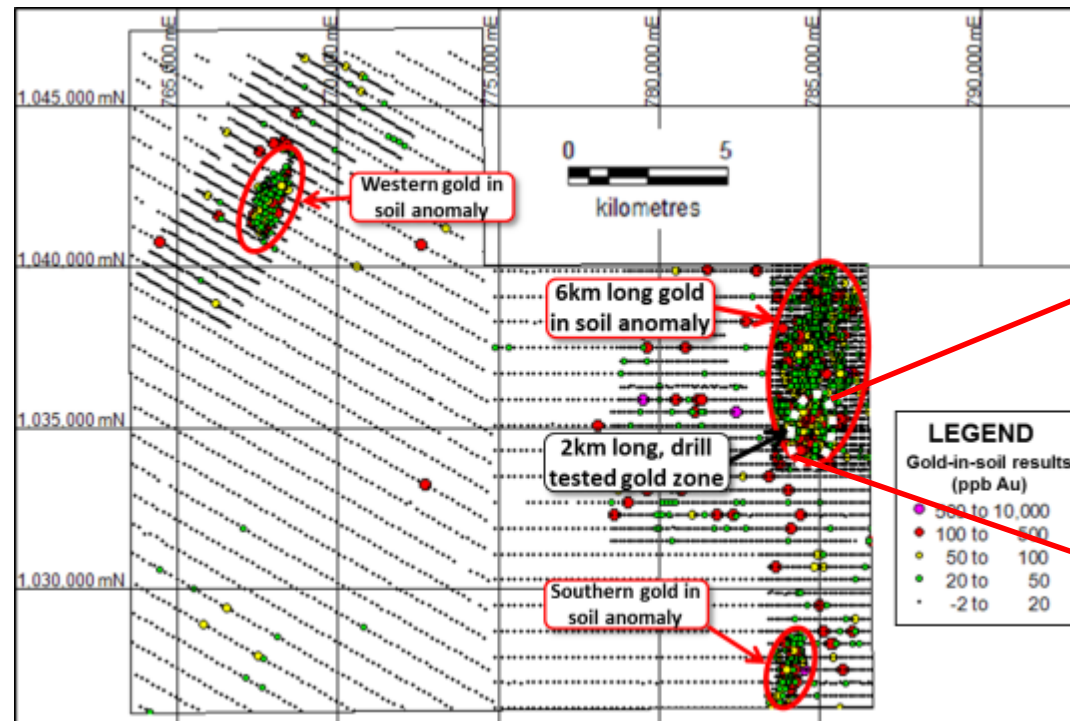
- Toro Gold JV (*brown & blue permits*):
 - ❖ Toro Gold Limited, successful explorer, developing Mako Gold Mine in Senegal
 - ❖ Toro spend USD3.5 million to earn 65% equity on 4 permits. PDI to start contributing in March 2017
 - ❖ Active program producing excellent drill results
- Bobosso (XMI) JV (*red permits*):
 - ❖ Very large gold mineralised system
 - ❖ Starting pre-drill work program next week
 - ❖ Very advanced discussions with funding partner for planned diamond drilling
- New ground – Sika Resources Options plus Ivoirian Resources (100% PDI) - (*magenta and green permits*)¹:
 - ❖ All permit applications – selected using PDI Predictore target selection system



¹announced to ASX 6/2/17

Cote D'Ivoire Permits

Toro Gold JV – Boundiali permit

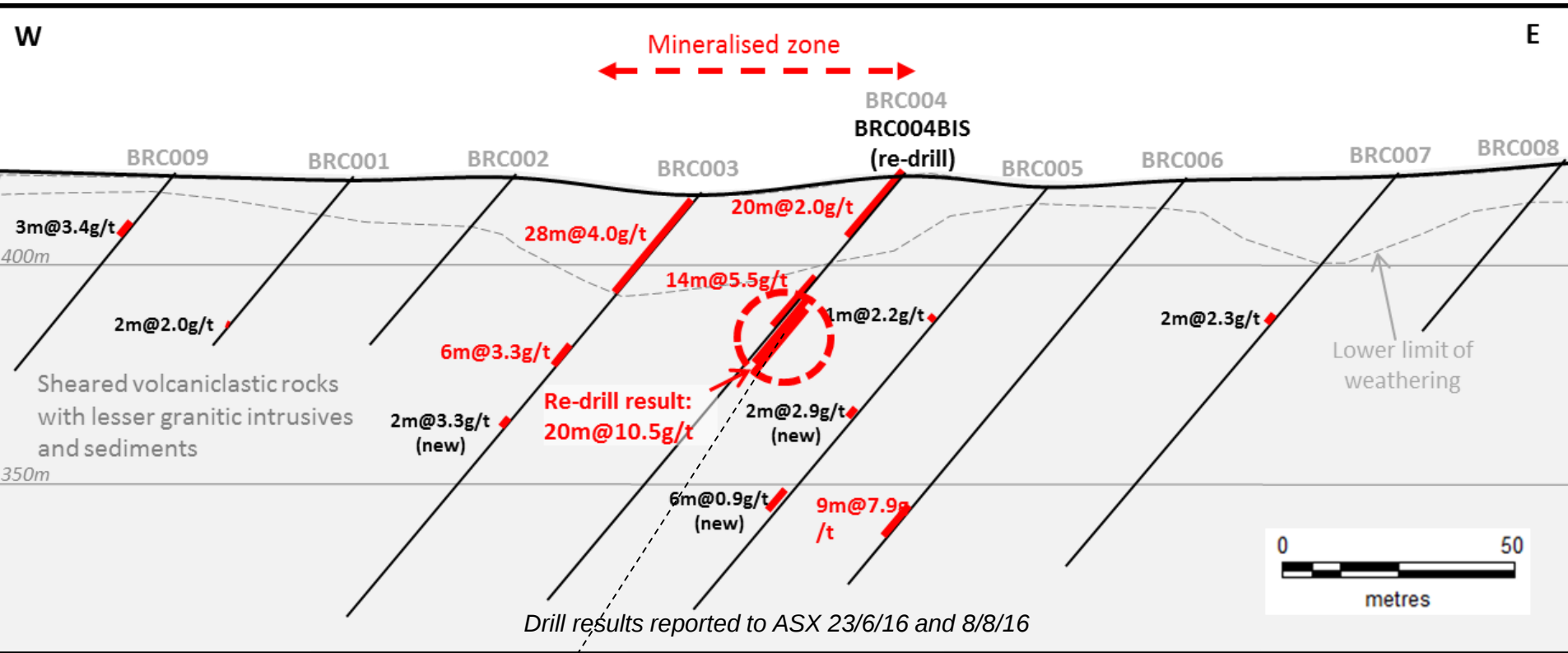


- ❑ New discovery – 1.2km long gold mineralised system.
- ❑ Best intercepts (near surface) - 20m @ 10.5g/t Au, 28m @ 4.0g/t Au, 28m @ 1.6g/t Au
- ❑ Large untested soil anomalies defined in NW and SE – require drilling

RC drill and soil geochemical results reported to the ASX on 20/10/15, 23/3/16, 23/6/16, 25/7/16, 8/8/16, 12/9/16, 13/10/16 and 2/2/17

Cote D'Ivoire Permits

Toro Gold JV – Boundiali permit

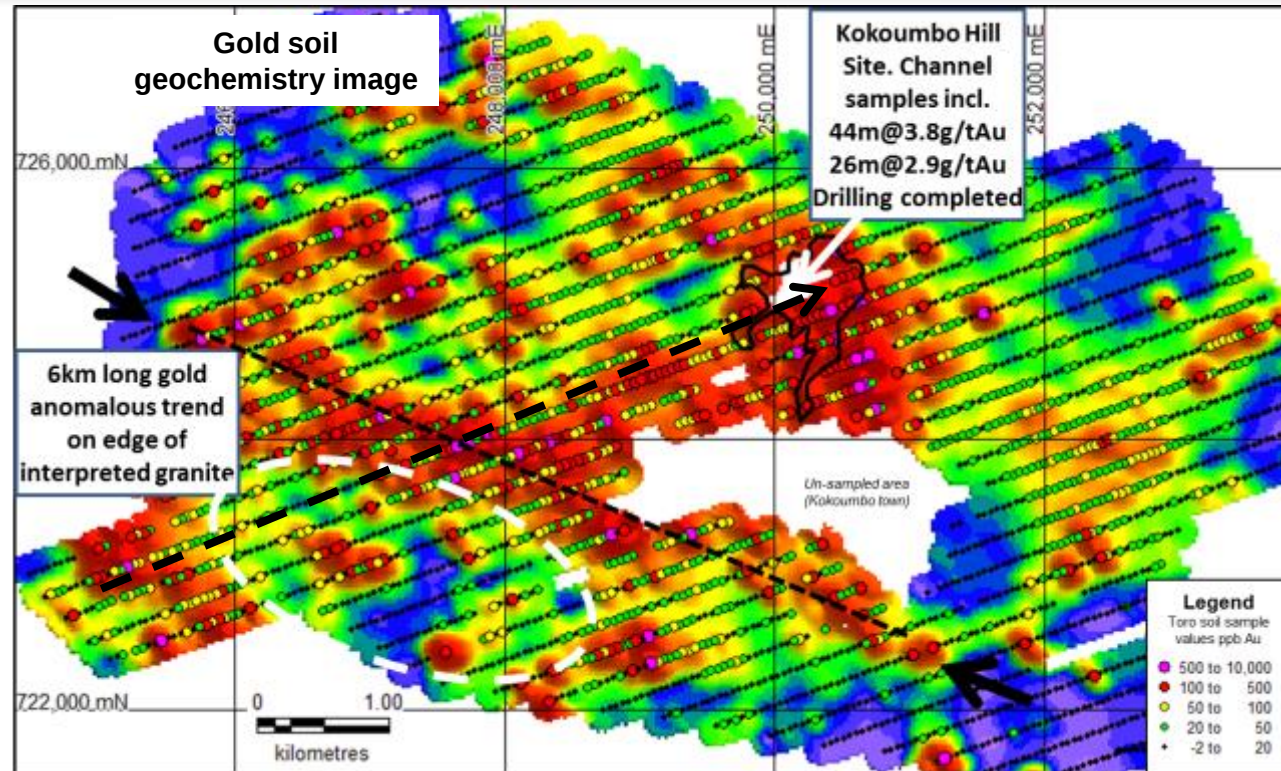


- ❑ This section 320m from nearest cross-section in both directions
- ❑ Panned visible gold

Cote D'Ivoire Permits

Toro Gold JV – Kokoumbo permit

- First Toro drill hole – 7.5m @ 16g/t Au from surface
- Large soil anomalies
- Long history of artisanal mining
- With Beriaboukro to south – an 800km² ground package
- Close to Bonikro and Agbaou



Soil results reported to ASX 20/10/15
Chip-channel results reported to ASX 10/11/15
Drill results reported to ASX 13/5/16

Cote D'Ivoire Permits

Toro Gold JV – Beriaboukro permit (S of Kokoumbo)

Ndinguinan/Takalaso
artisanal mine site



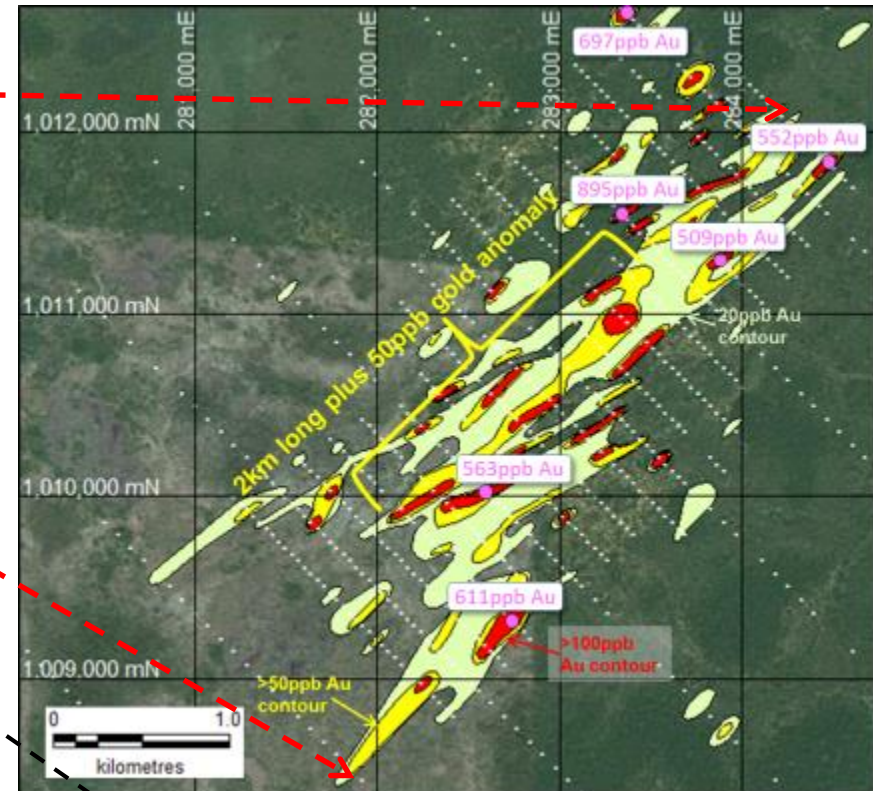
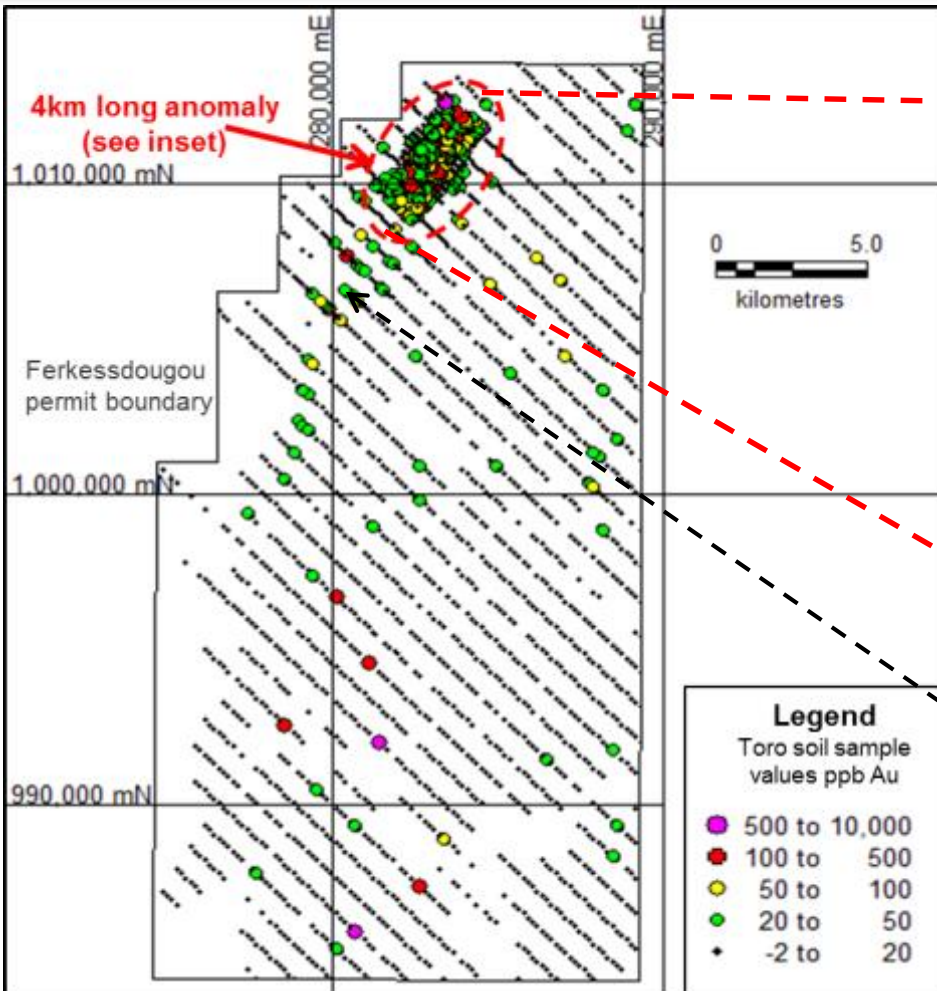
- ❑ Large soil anomalies – need infill and RC drilling
- ❑ Impressive workings with some high gold grades in rock chips
- ❑ Close to Bonikro

Soil geochemical and rock chip results reported to the ASX on 21/9/16 and 2/2/17.



Cote D'Ivoire Permits

Toro Gold JV – Ferkessedougou permit

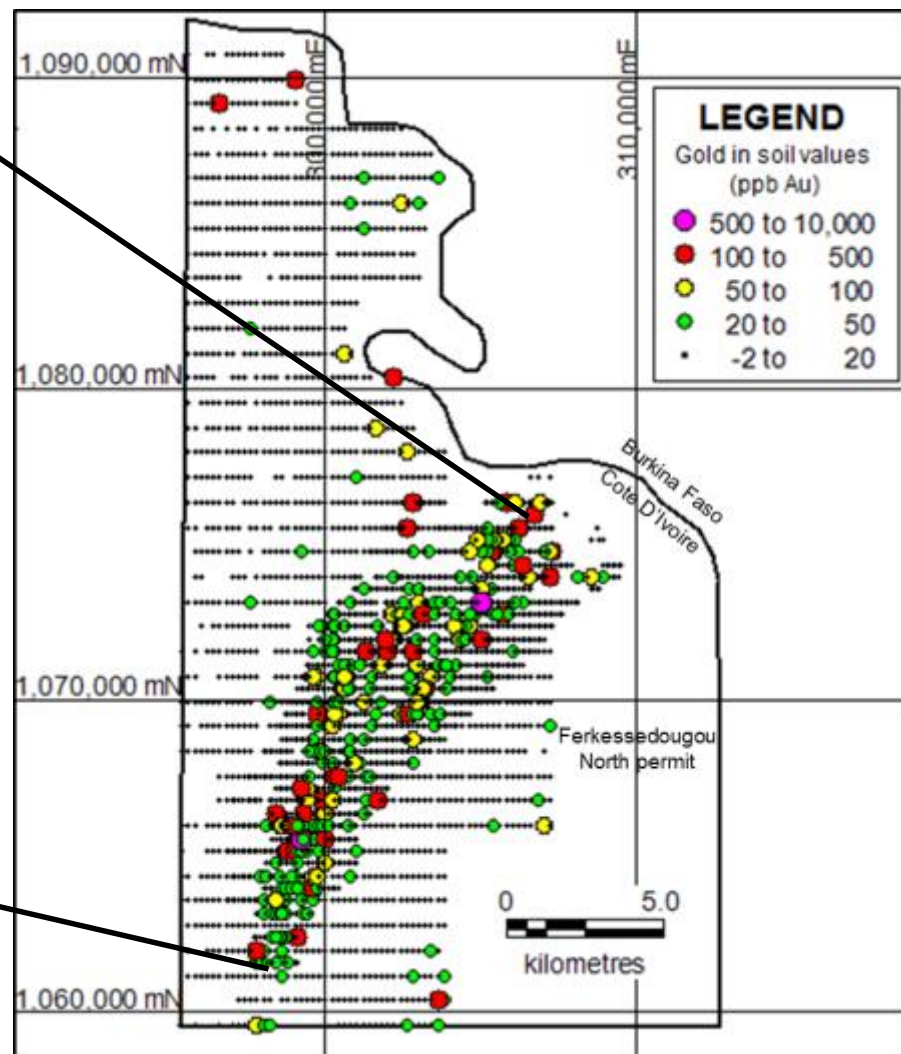
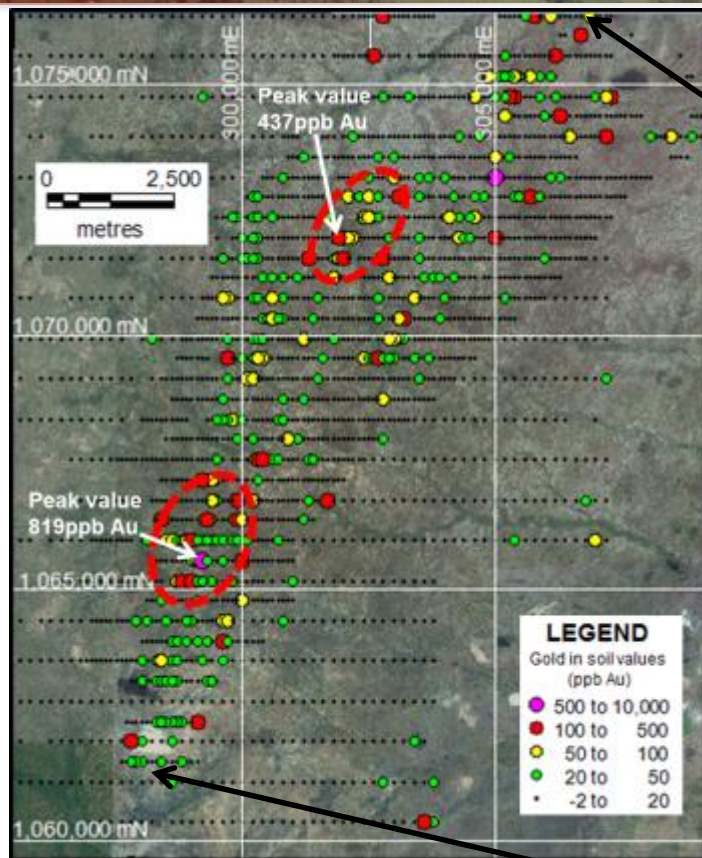


Soil geochemical results reported to the ASX on 28/4/16

- 4km long anomaly with active alluvial gold workings nearby (e.g. image)
- RC drilling planned

Cote D'Ivoire Permits

Toro Gold JV – Ferkessedougou North



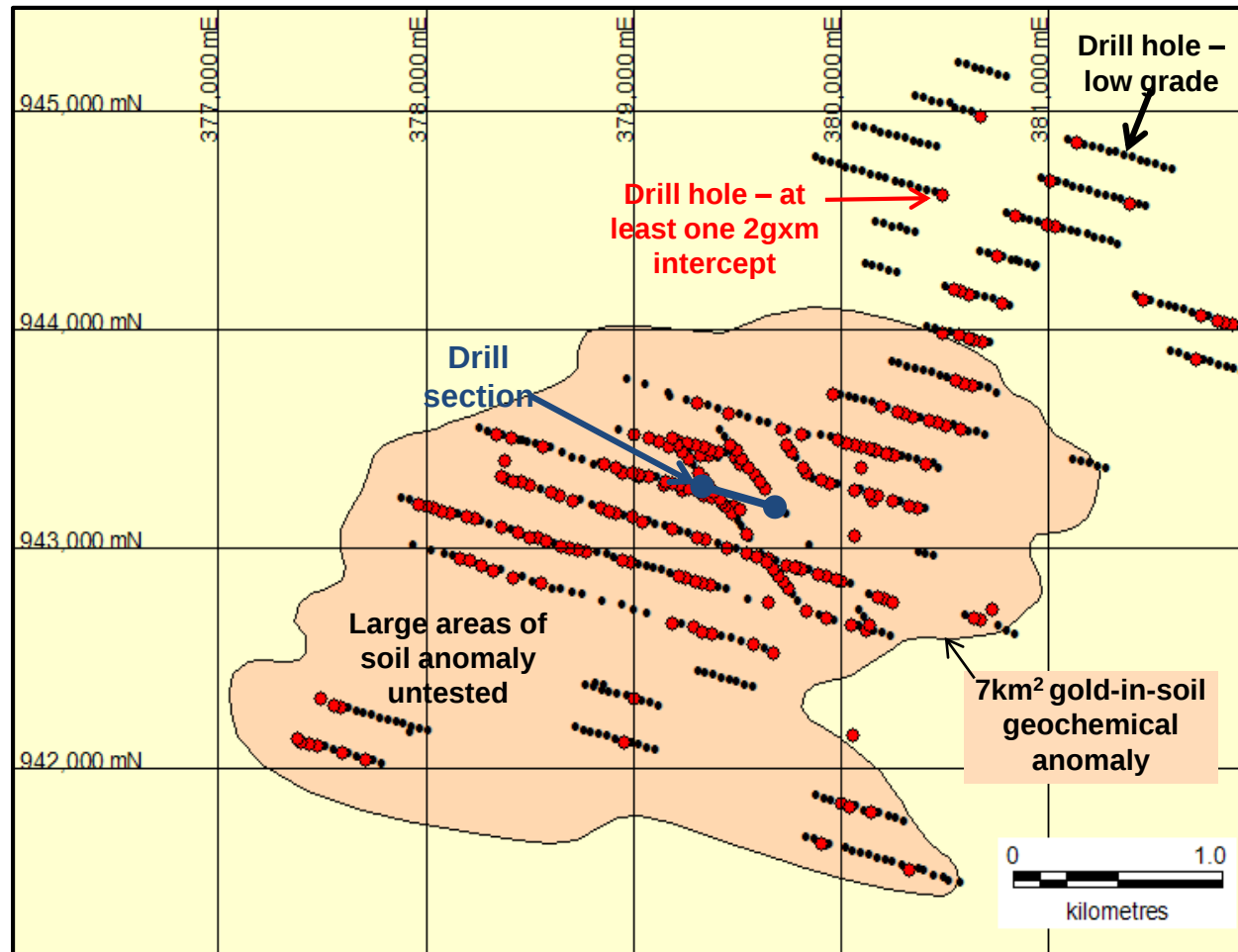
- 17km long gold-in-soil trend
- Early days - more infill soils required
- Two potential drilling targets, each 2km long

Soil geochemical results reported to the ASX on 14/12/16, 2/2/17

Cote D'Ivoire

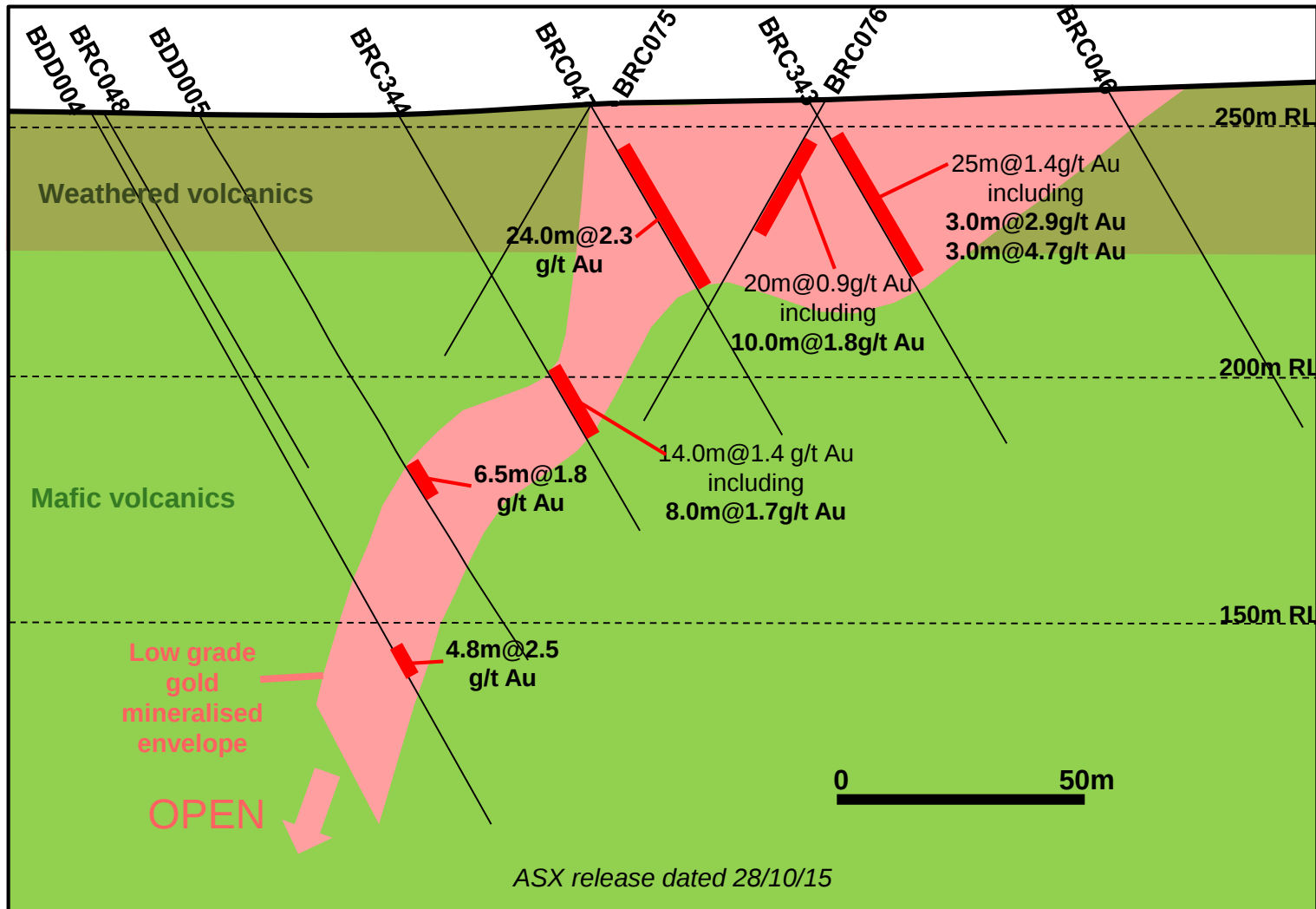
XMI Agreement - *Bobosso Project*¹

- 7 km² gold soil anomaly, averaging 0.4g/t Au, peaking at 40g/t Au¹
- Complex gold system with numerous shallow gold intercepts¹ e.g.
 - 5m @ 21g/t Au from 48m
 - 32m @ 1.9g/t Au from 12m
 - 7m @ 9.5g/t Au from 26m
- Many strong gold anomalies not yet drilled
- PDI now at 37%, bringing in a funding partner for diamond drilling, will maintain 30% equity



Cote D'Ivoire

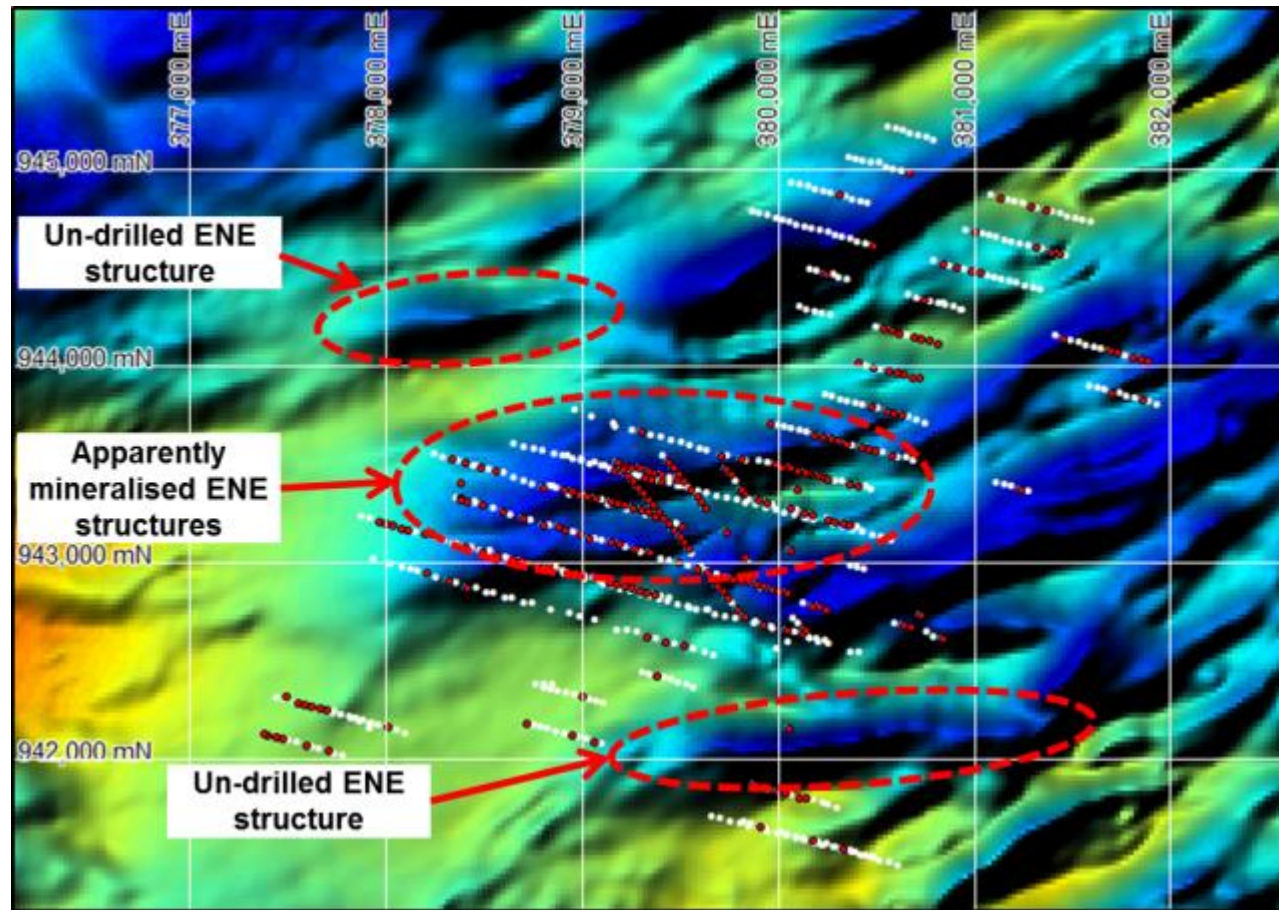
Bobosso Project – Near surface mineralisation



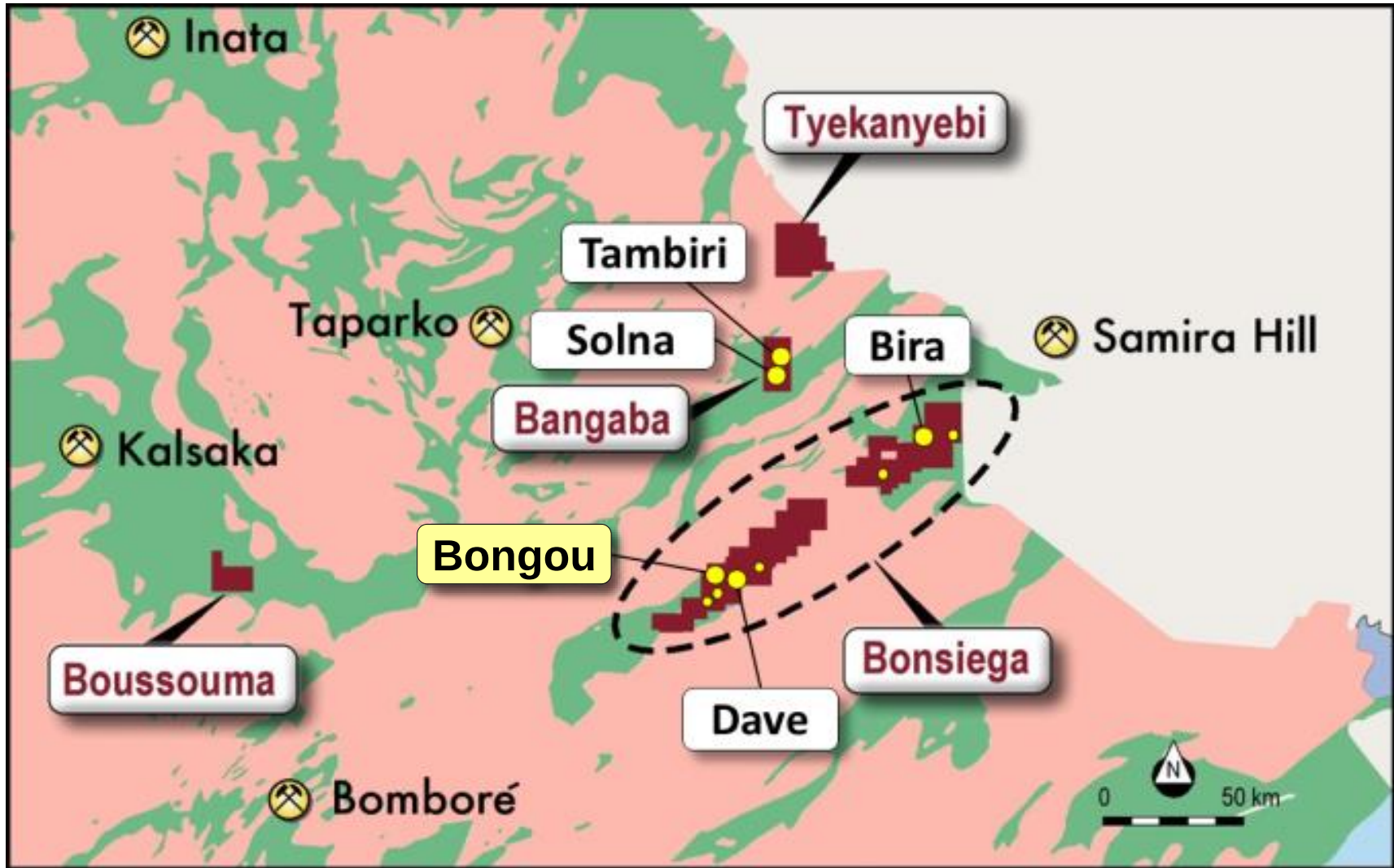
Cote D'Ivoire

New potential gold-bearing structures in magnetics

- Historical drilling at oblique angle to structures:
 - Effective distance along structures between drill lines of approximately 500m
- Strong gold anomalies and east-west structures untested by drilling
- Additional discovery potential along 90km of strike (same as Hounde Belt in Burkina which hosts Semafo's Mana Mine and Roxgold's Yaramoko Mine)



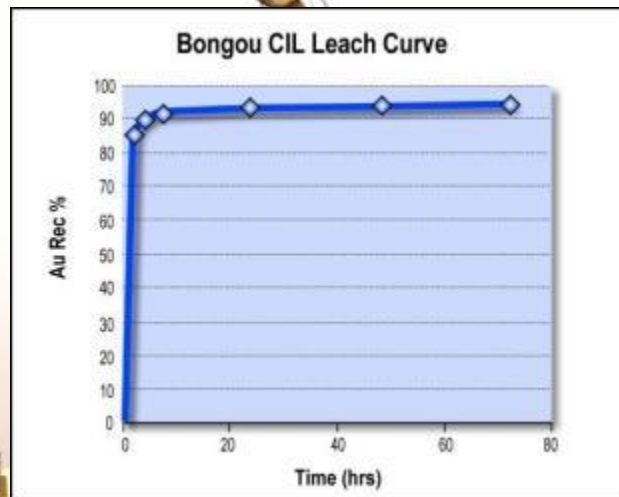
Burkina Faso – Major ground position, advanced project



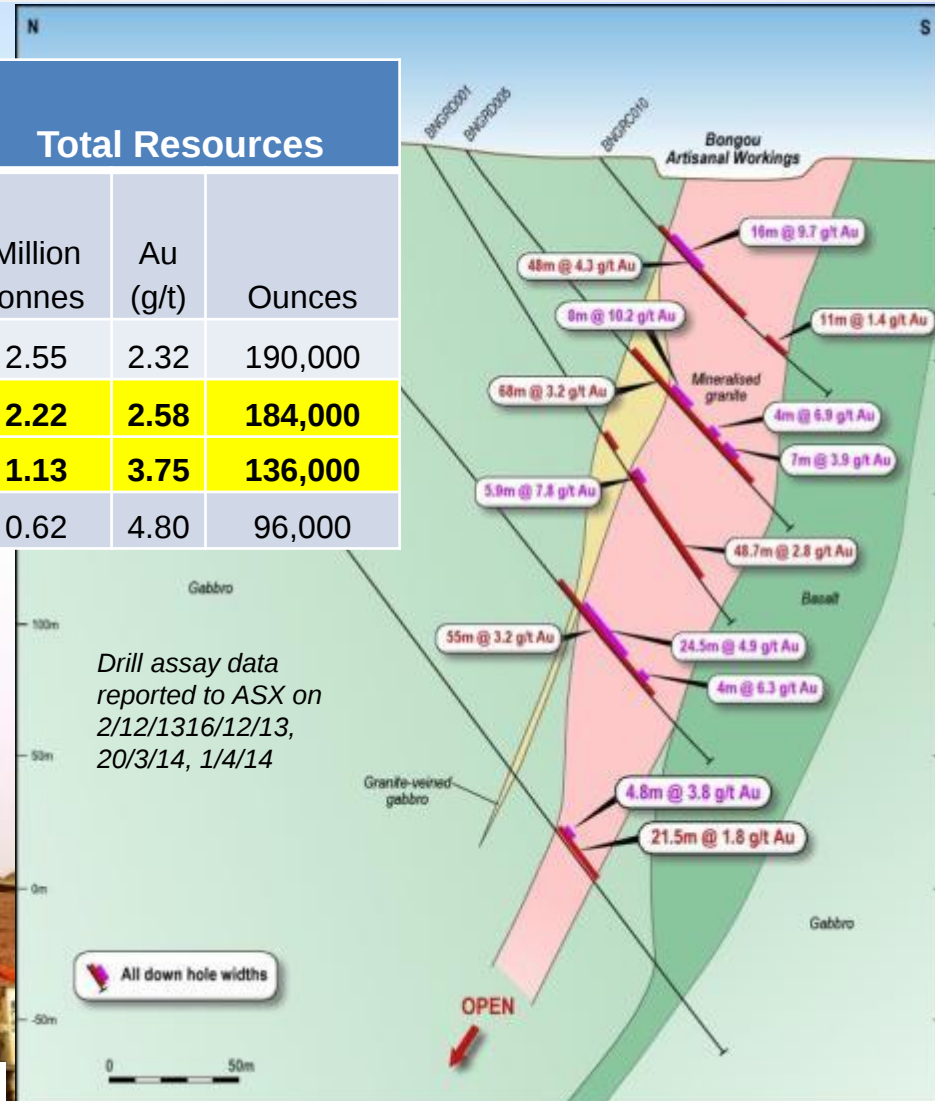
Bongou Gold Discovery

Mineral Resource Estimate (Reported to ASX on 4th Sept 2014)

	Indicated Resources			Inferred Resources			Total Resources		
Cut-off grade	Million tonnes	Au (g/t)	Ounces	Million tonnes	Au (g/t)	Ounces	Million tonnes	Au (g/t)	Ounces
0.4	1.21	2.54	99,000	1.33	2.13	91,000	2.55	2.32	190,000
0.8	1.14	2.67	98,000	1.09	2.48	86,000	2.22	2.58	184,000
2.0	0.64	3.64	75,000	0.49	3.90	61,000	1.13	3.75	136,000
3.0	0.34	4.68	52,000	0.28	4.95	45,000	0.62	4.80	96,000



Note: These metallurgical results were reported to the ASX on 14 May 2013. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported

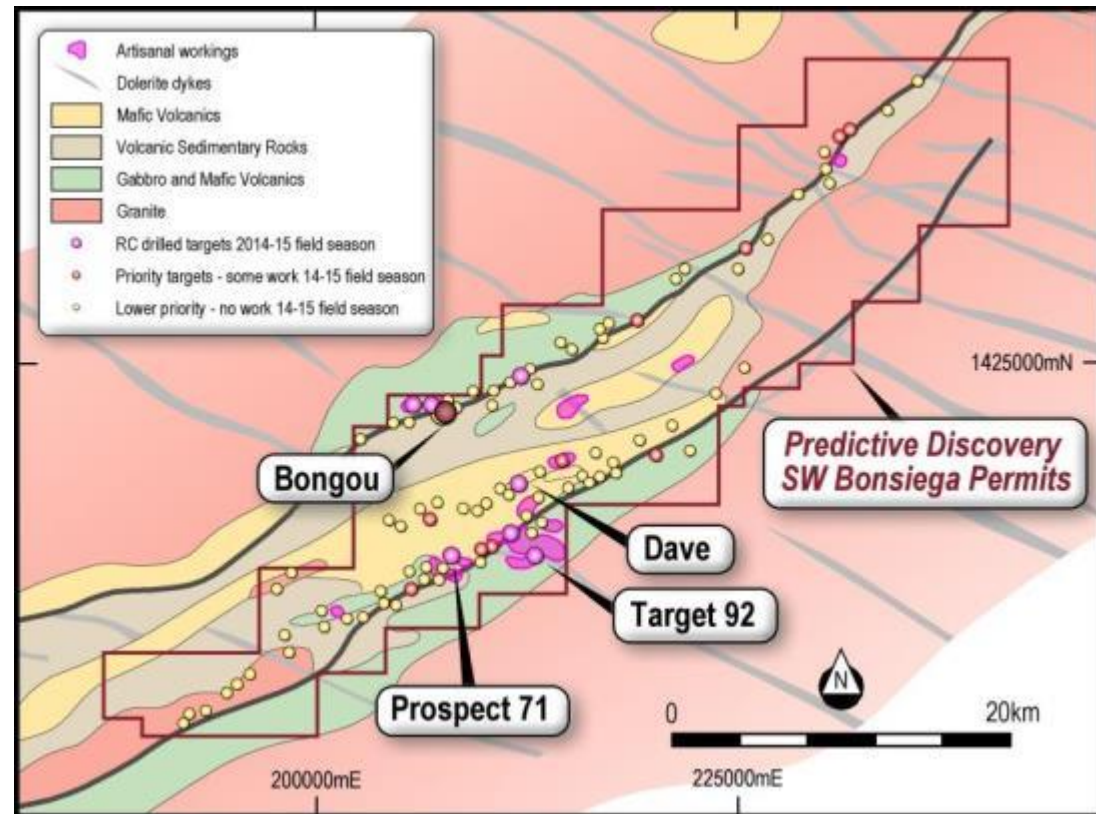


Bongou - Nearby Gold Potential

- ❑ 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

The potential quantity (tonnage) and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate Mineral Resources and it is uncertain if further exploration will result in the estimation of Mineral Resources.

- ❑ Potential for heap leach - sighter metallurgical testwork on Dave RC chips gave 89% Au recovery
- ❑ Additional potential within 80km: Bira, Tambiri, Solna



Land tenure notes: 5 permits covering 665 km². PDI owns 100% of 620 km², and is earning 100% on one peripheral 45 km² permit without RC or DD drilling. Permits for all key prospects are renewed to mid-2017.

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EXPLORATION TARGET DATA AND PARAMETERS

Data: Gold intercepts from 291 reverse circulation holes, 4 air core holes and 5 diamond drill holes were used in the calculation. The holes were mostly drilled on lines spaced from 50m to 100m apart, with spacing along the lines ranging from 10m to 50m.

Parameters: 0.5 g/t gold cut-off grade; minimum downhole intercept width of 2m and a minimum grade times width intercept of $2g \cdot m$; minimum internal waste of 3m except for a few holes where it was clear that the holes had drilled almost down-dip and where the inclusion of larger down-hole intervals of internal waste made geological sense; maximum of 100m strike extent from drill holes (where the continuity of the mineralisation is supported by mapping and/or the location of artisanal workings and/or anomalous auger results); maximum of 70m vertical extent below surface; Dry bulk density estimates as follows: laterite - 2.2, saprolite - 1.8, weathered rock between base of saprock and base of complete oxidation (BOCO) - 2.3, fresh mafic volcanics - 2.8, fresh felsic to intermediate rocks including granite and granodiorite - 2.7.

The calculation was carried out using a cross sectional method with volumes projected half way to the next hole (on the section) or half way to the next section to a maximum distance of 100m (along strike).

News Flow

Item	Mar-Jun Qtrs 2016
Boundiali, Cote D'Ivoire (Toro)	Diamond drilling at Nyangboue followed by RC drilling both at Nyangboue and new NW and SE soil anomalies.
Kokoumbo and Beriaboukro, Cote D'Ivoire (Toro)	Aeromagnetic data analysis (in progress), infill soils at Beriaboukro then RC drilling
Ferkessedougou and Ferkessedougou North	Follow-up geochemical anomaly with RC drilling at Ferkessedougou, infill soil results at Ferkessedougou North in preparation for RC drilling
Bobosso, Cote D'Ivoire (XMI)	Diamond drilling program on Bobosso prospect, regional scale geochemistry
Bongou area, Burkina	JV with company with mine development capabilities to fast track advance to feasibility/development. New major work program (incl. drilling).
New West African projects	3 new optioned and 3 PDI permit applications in Cote D'Ivoire over prospective target areas. Geochemistry focused work program

Predictive Discovery Limited West African Gold Explorer



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