

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 equipment. The ground is reddish-brown dirt, and there are some trees in the distance under a clear blue sky.

Country Scale Target Generation 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.

ASX:PDI - Corporate Summary

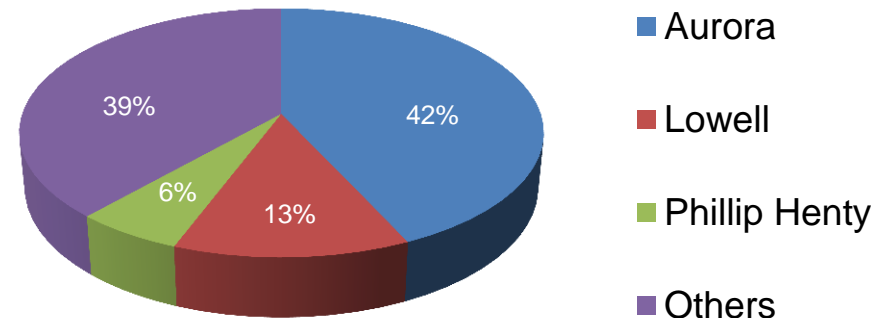
Board Members

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

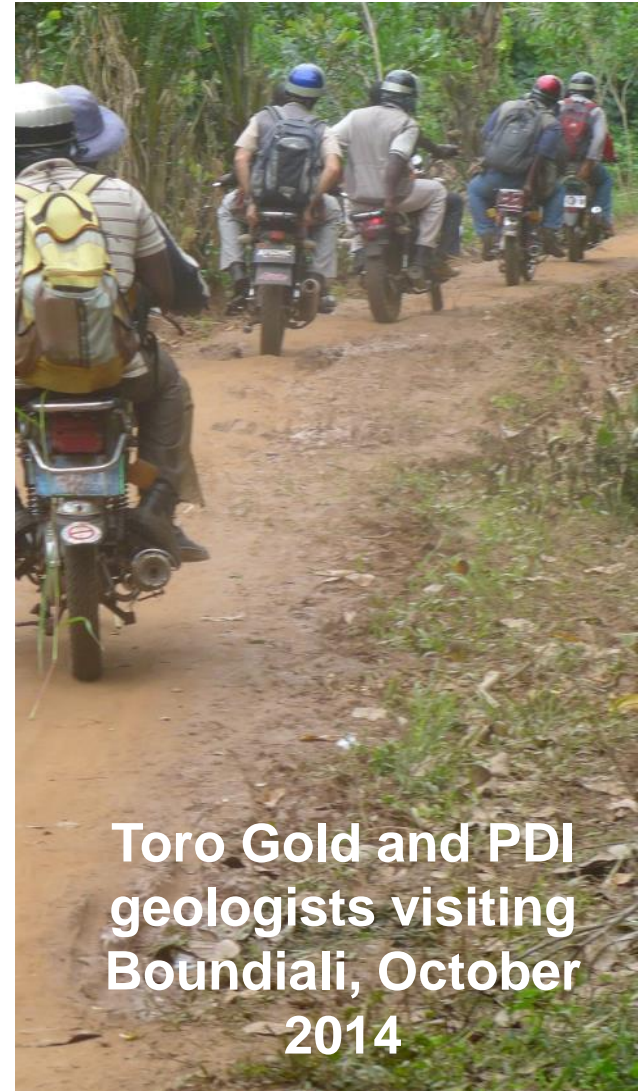
Shares on Issue (ASX:PDI)	1.37 Billion
Share Price	A\$0.010
Market Cap. (@0.01)	A\$ 13.7 million
Current Cash Position	A\$ 0.9 million
Enterprise Value	A\$ 12.8 million
Debt	Nil
Top 20 Shareholders (%)	73%

Shareholders



Predictive's strategy

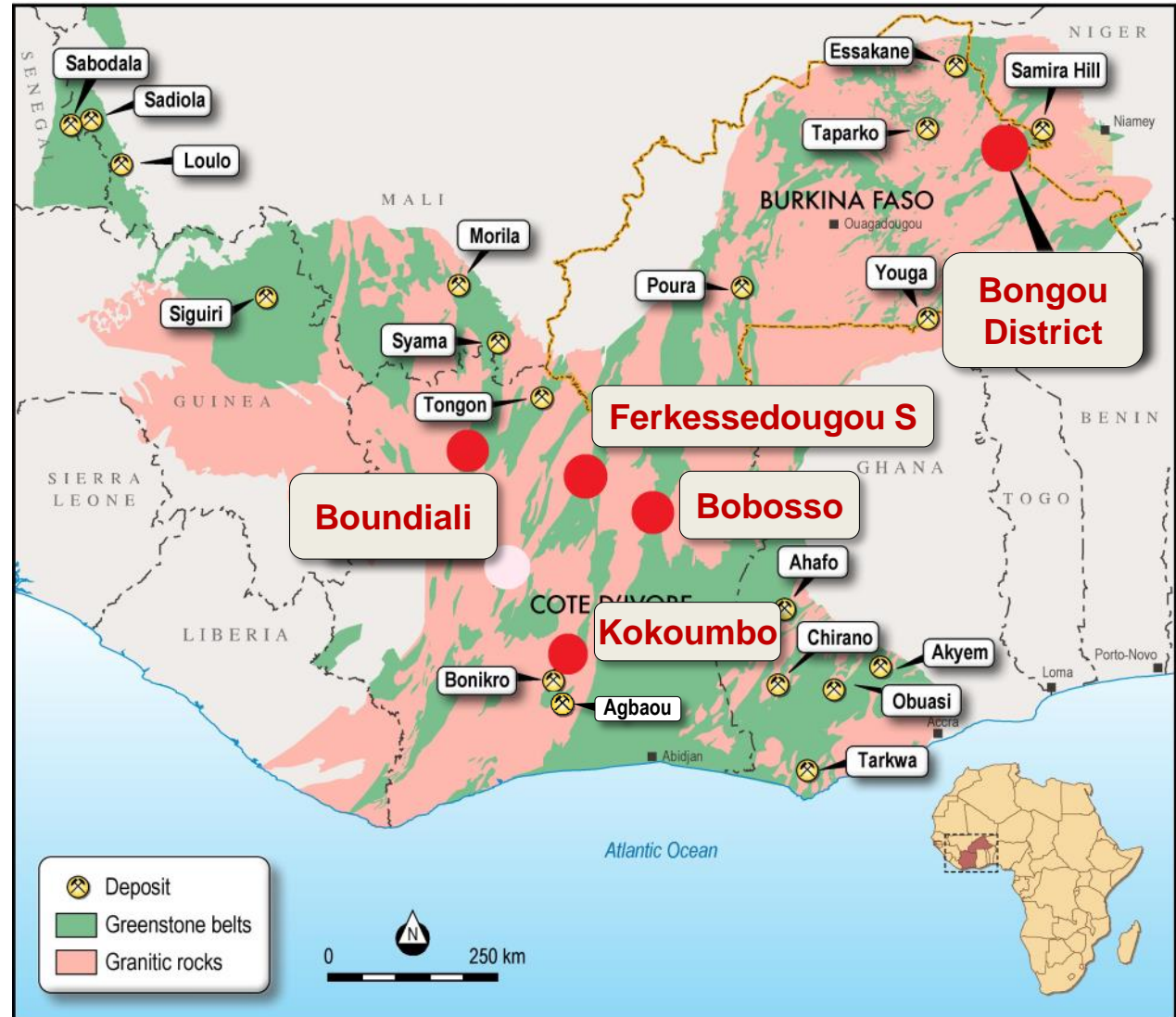
- ❑ West Africa focus
- ❑ Country-scale analysis to identify highly prospective strategic ground positions
- ❑ Discoveries new gold deposits e.g. Bongou (Burkina), Boundiali (Cote D'Ivoire)
- ❑ Attract JV partners with substantial mine development experience and share costs when appropriate and co-fund
- ❑ Maximize news flow on multiple projects
- ❑ Modified Prospect Generator business model



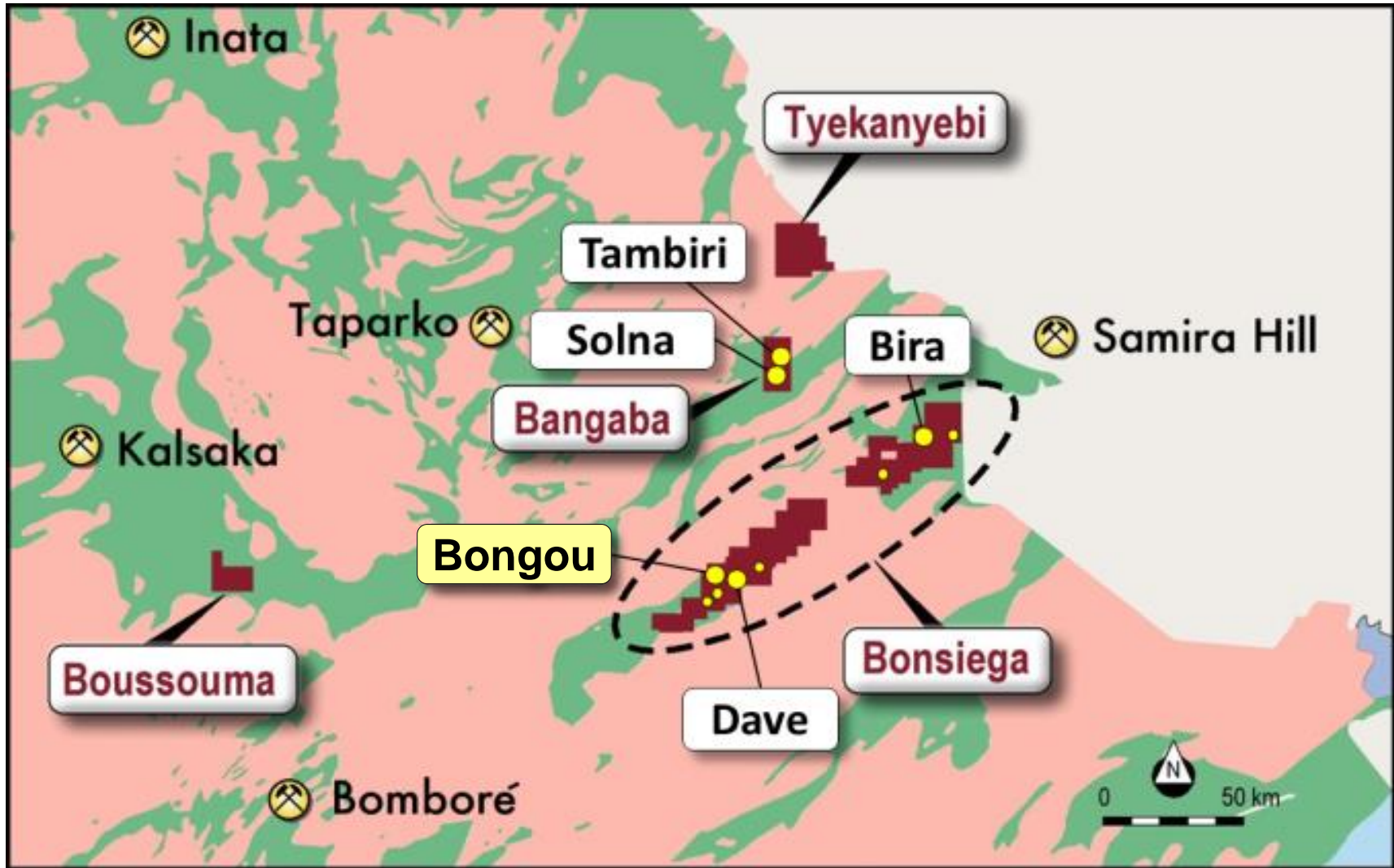
Toro Gold and PDI
geologists visiting
Boundiali, October
2014

PDI'S CONSISTENT FOCUS: WEST AFRICA

- Five projects, each with demonstrated potential for major gold discoveries
- Burkina Faso and Cote D'Ivoire:
 - Strong democracies
 - Supportive mining policies and law
 - >50% of the Birimian greenstones
 - Highly prospective for new gold discoveries



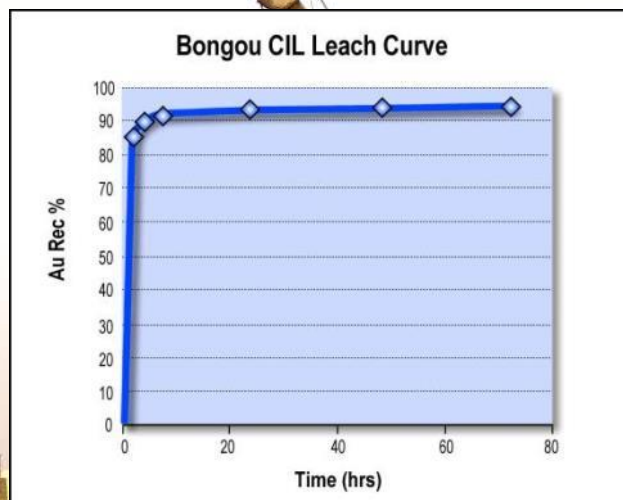
Burkina Faso – Major ground position selected from mapping deep structure in country-scale aeromagnetics



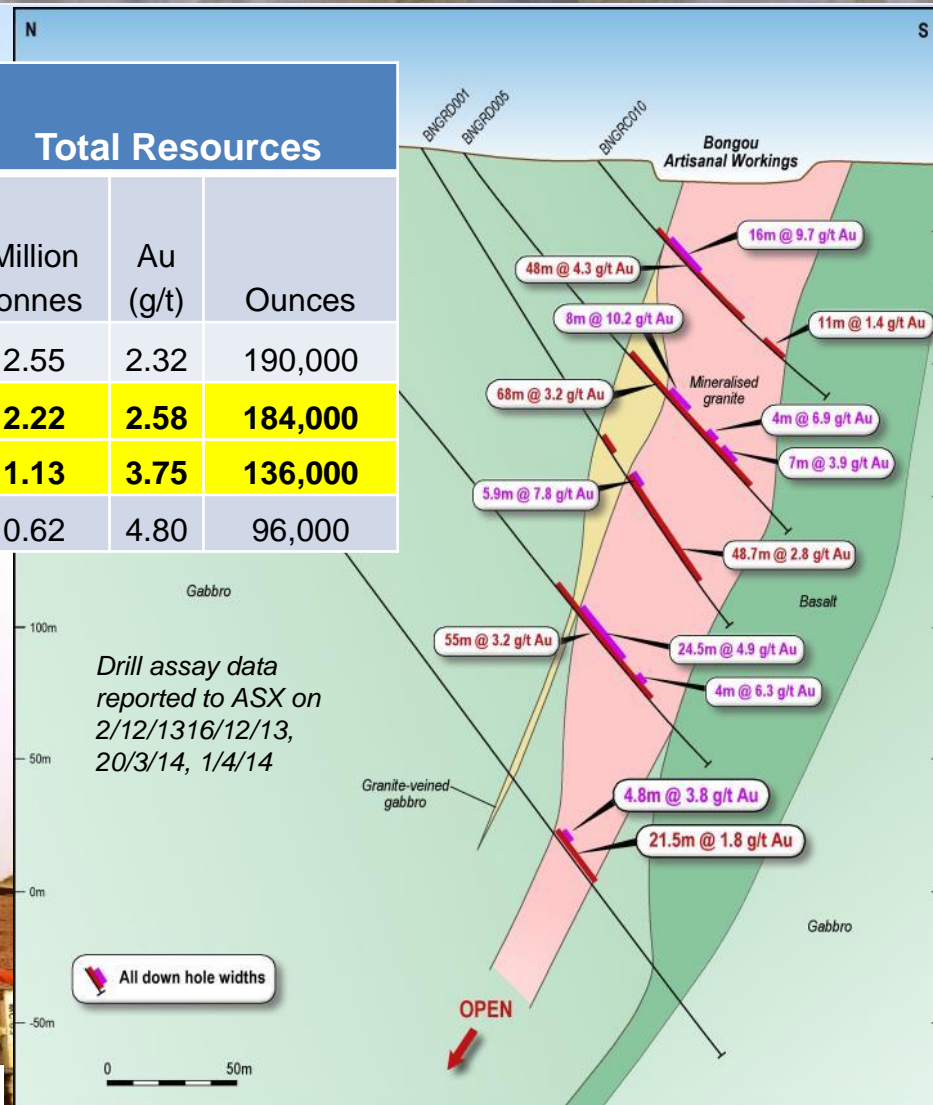
Bongou Gold Discovery

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

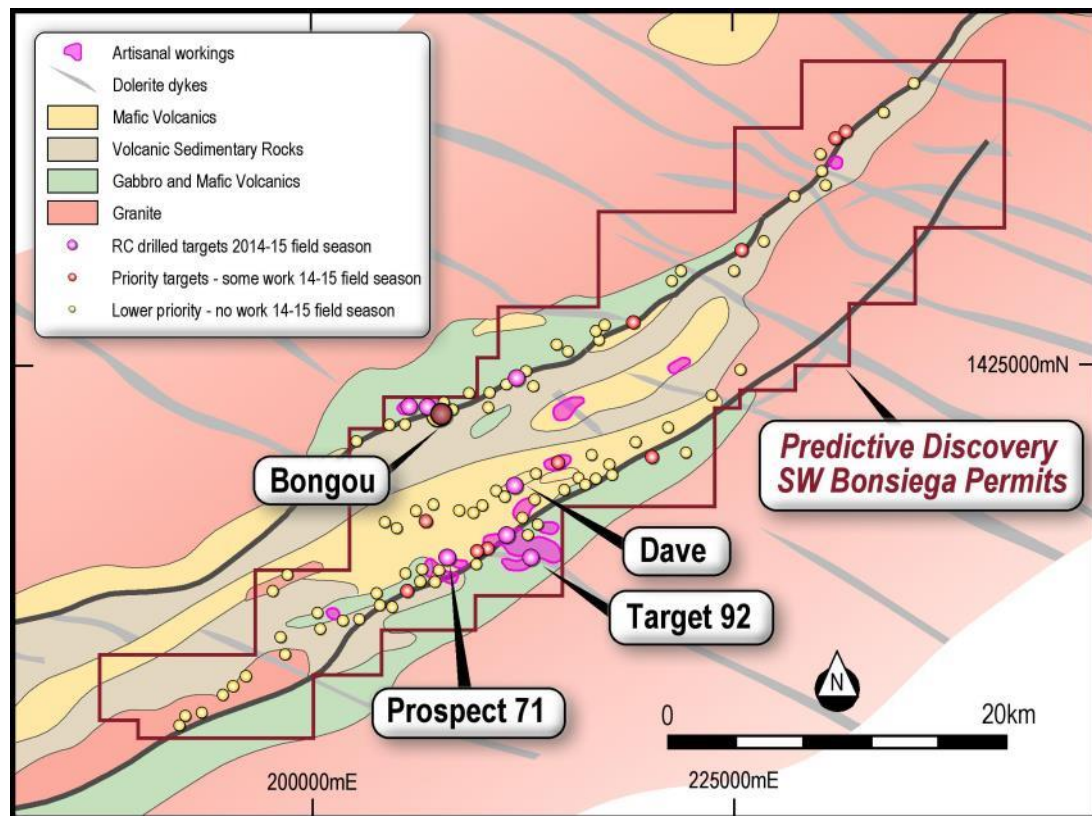


Bongou - Nearby Gold Potential

- ❑ 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).

Cote D'Ivoire Permits

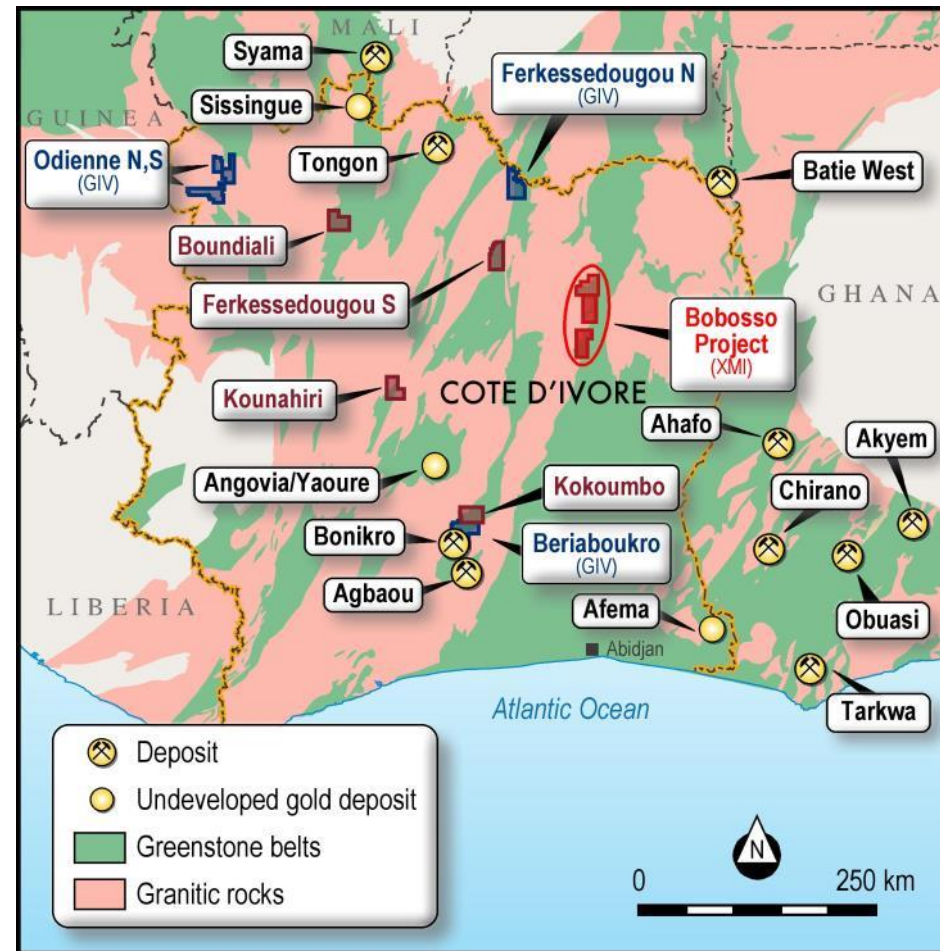
Mostly selected from country scale data analysis

❑ Toro Gold JV

- ❖ Original 4 granted permits (brown) plus new ground - deal with local group, GIV (blue). **3,133km²** in area.
- ❖ Toro Gold Limited – successful private UK co., discovered Mako gold deposit, Senegal
- ❖ PD current equity 49%.Toro spending USD2.5 million to gain 14% more
- ❖ Active program producing excellent drill results

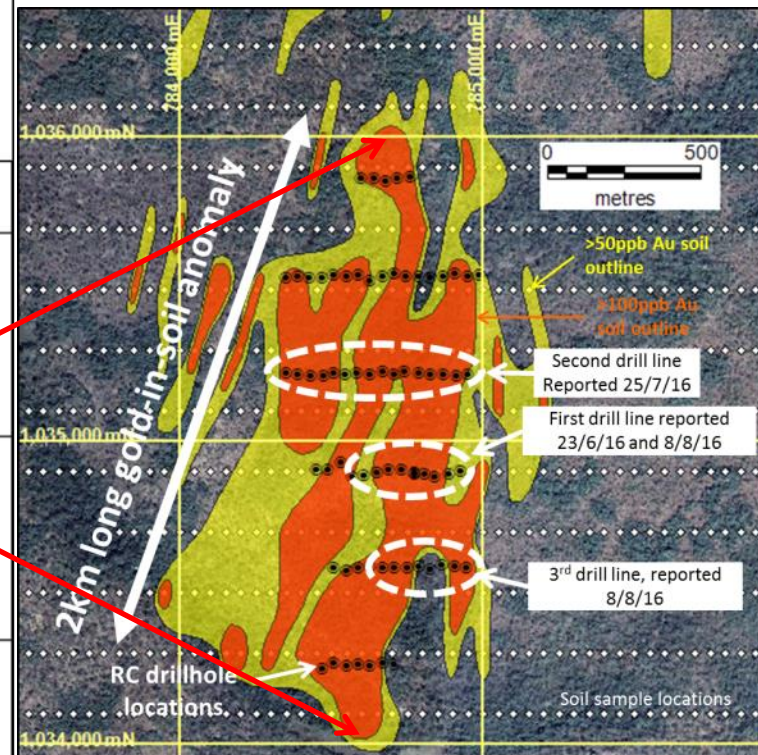
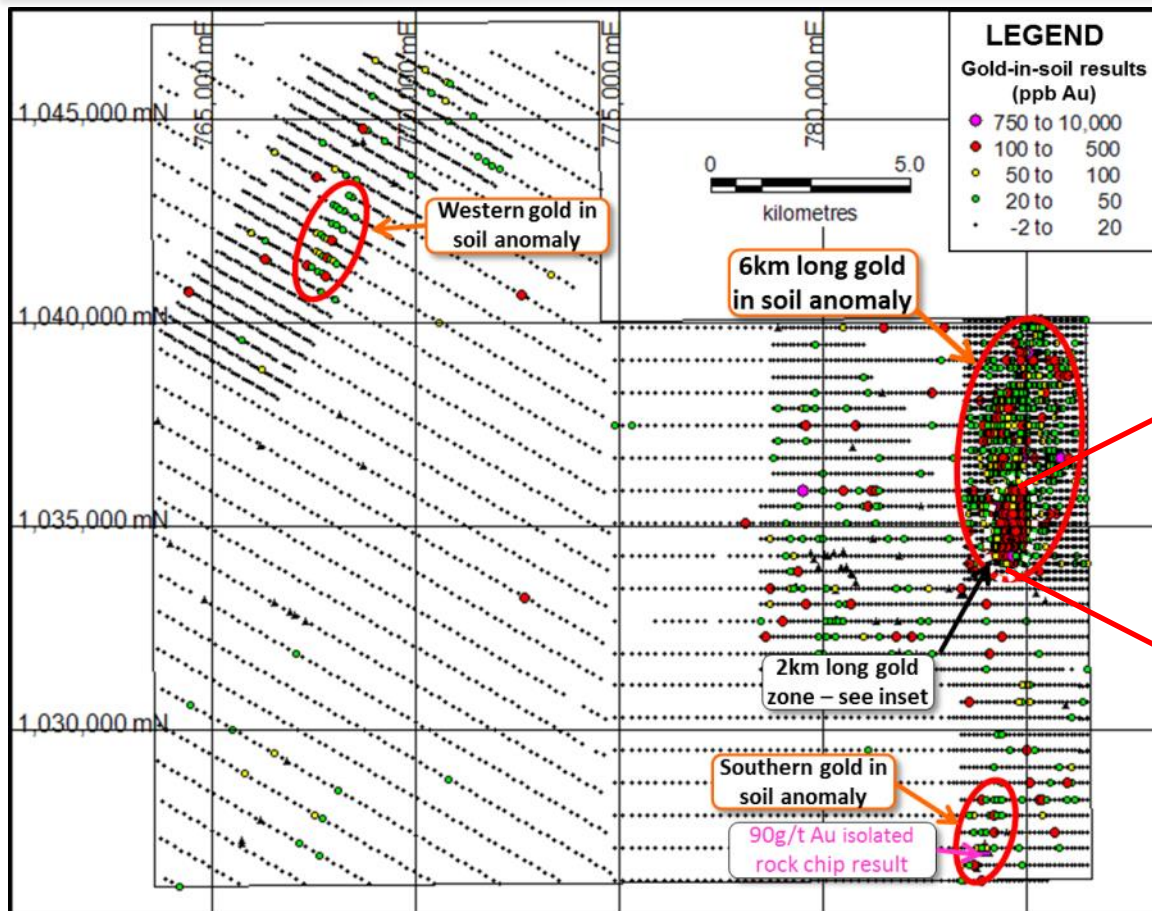
❑ Bobosso (XMI) JV (red permits)

- ❖ Very large gold mineralised system - 7km² soil anomaly averaging 0.4g/t Au, past drilling includes 5m @21g/t Au, 32m @ 1.9g/t Au
- ❖ Known system drilled in wrong direction – needs drilling
- ❖ Major opportunity to make new discoveries in **1200km²** ground package



Cote D'Ivoire Permits

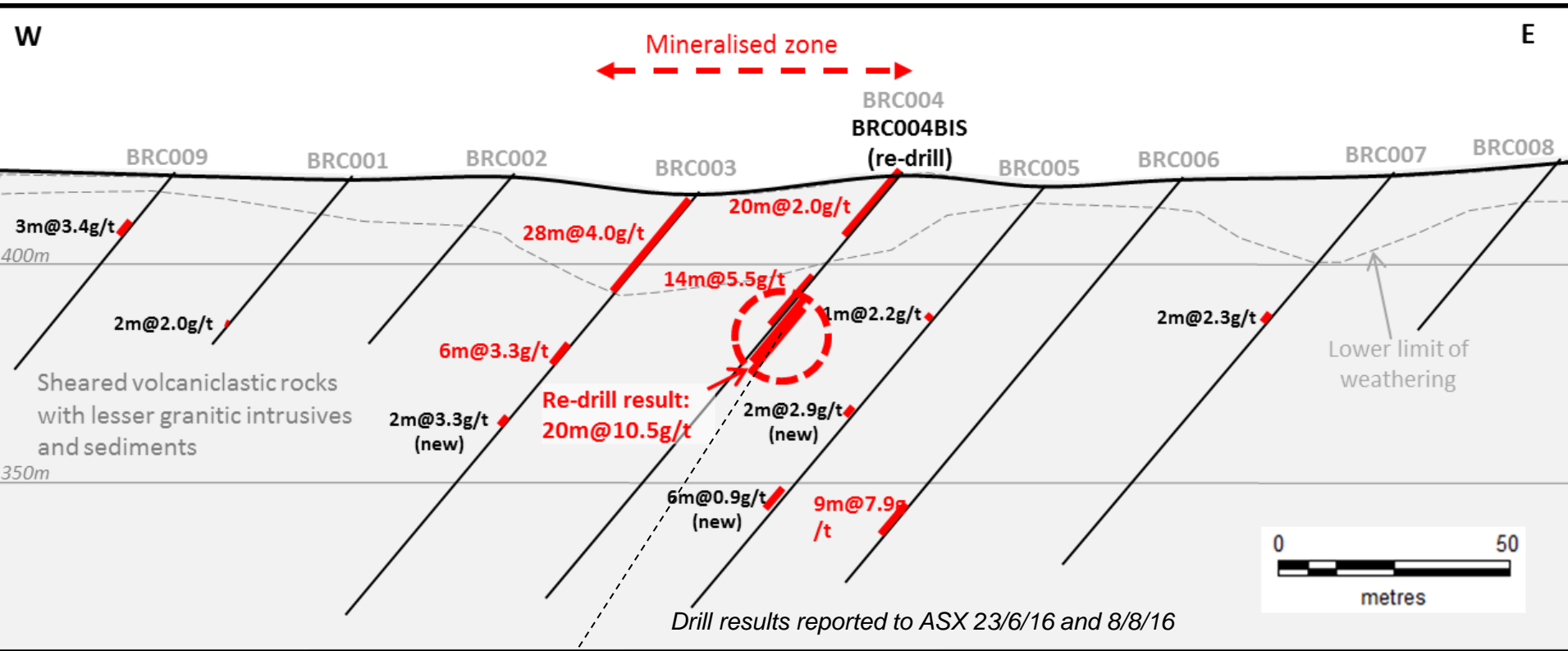
Toro Gold JV – Boundiali permit



- ❑ **New discovery - 5.6km gold in soil anomaly**
- ❑ High grade (90g/t Au = 3oz/t) isolated rock chip sample on southern extension of same trend
- ❑ Target discovered by PDI stream sediment sampling in 2014

Cote D'Ivoire Permits

Toro Gold JV – Boundiali permit

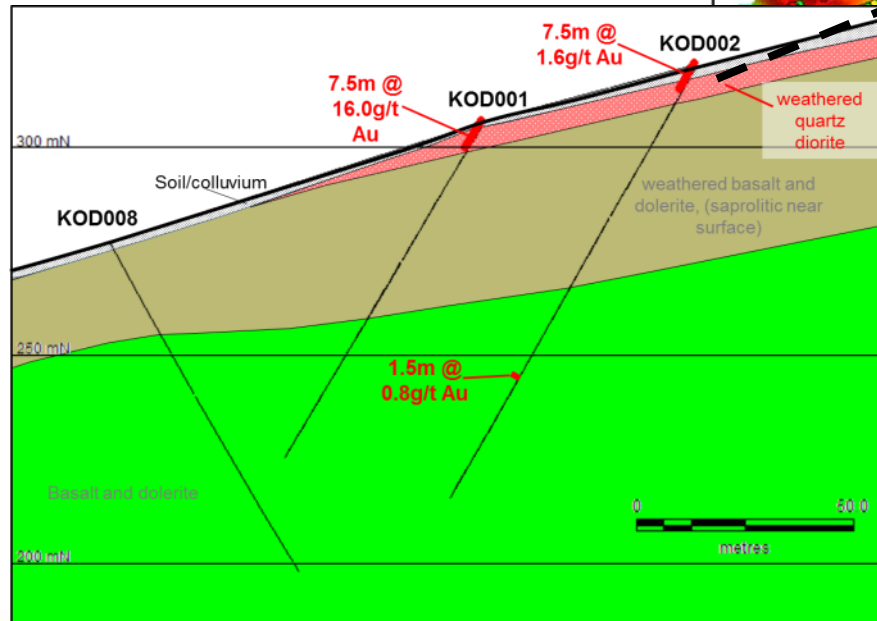
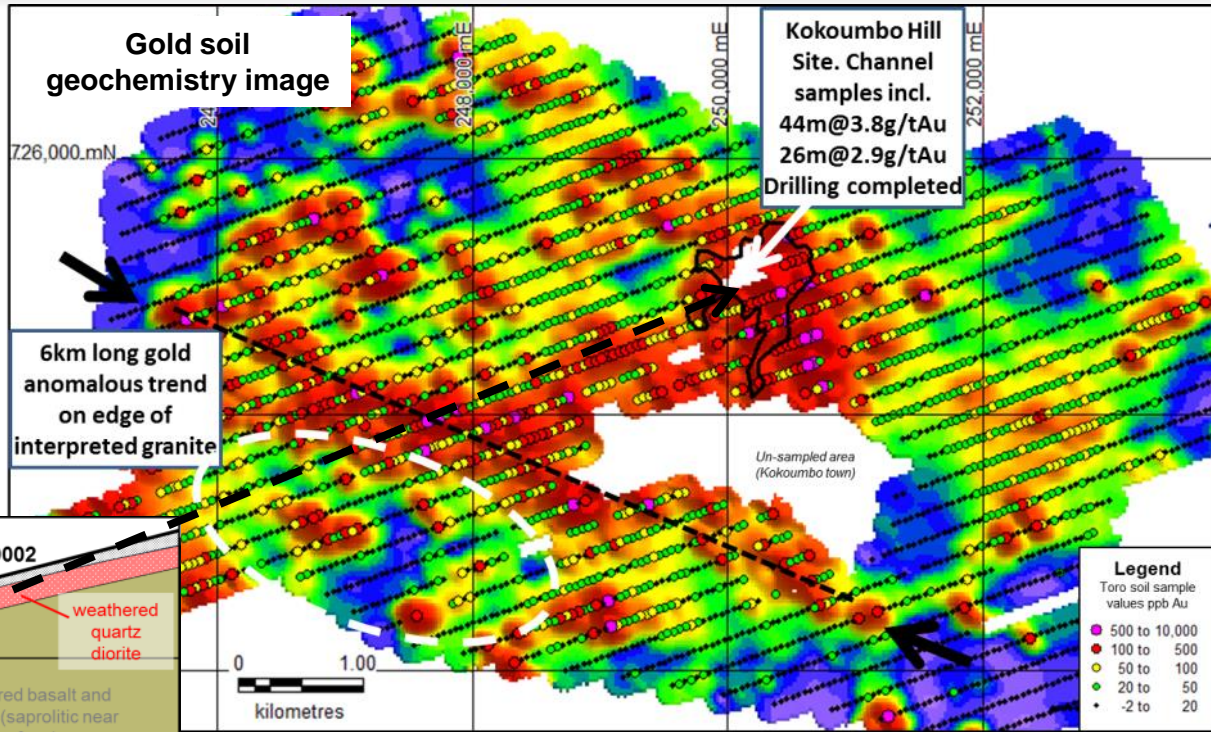


- ❑ This section 320m from nearest cross-section in both directions
- ❑ Panned visible gold

Cote D'Ivoire Permits

Toro Gold JV – Kokoumbo permit

Colonial mine water supply

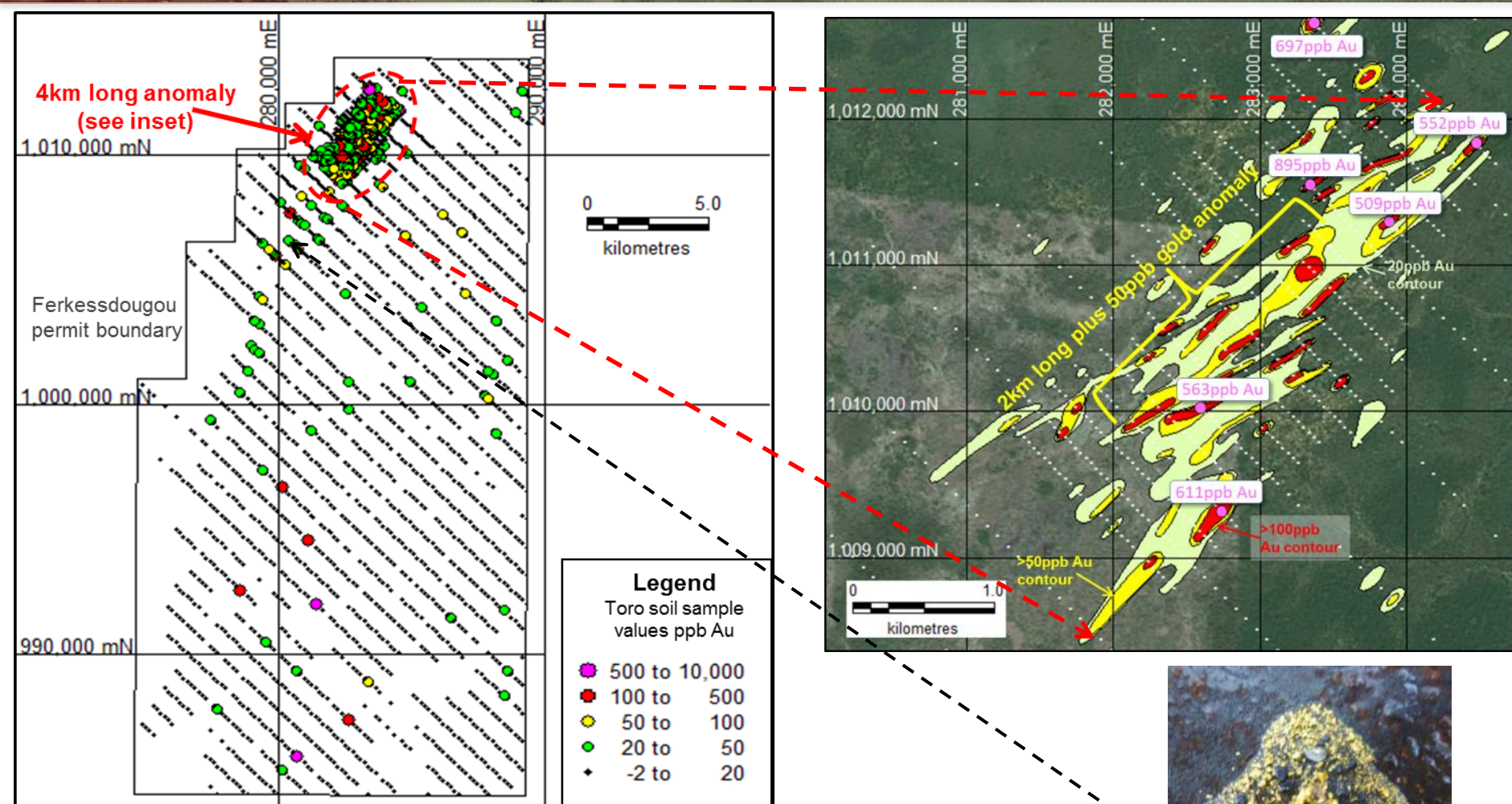


Soil results reported to ASX 20/10/15
Chip-channel results reported to ASX 10/11/15
Drill results reported to ASX 13/5/16



Cote D'Ivoire Permits

Toro Gold JV – Ferkessedougou permit

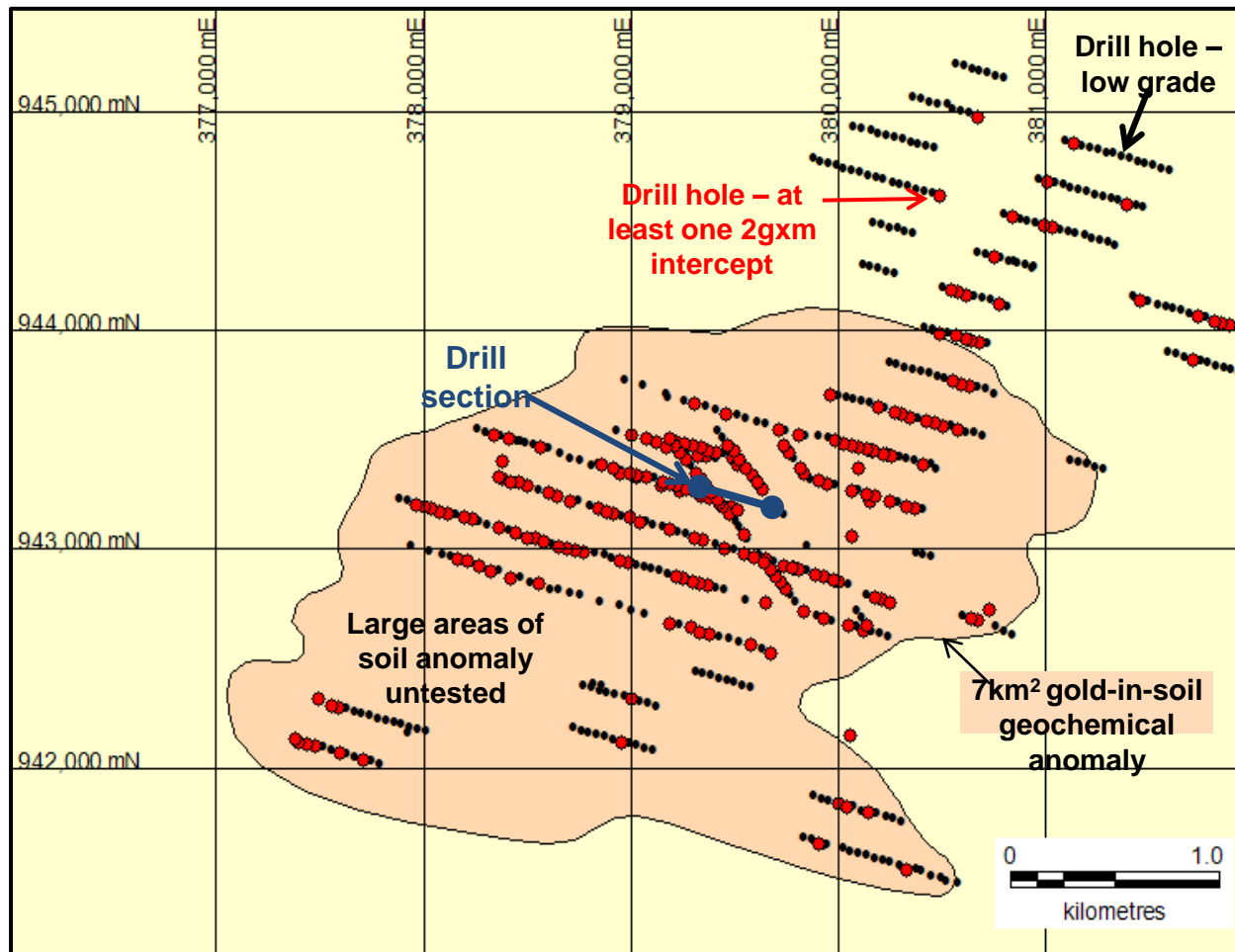


- Almost no historic exploration but with active alluvial gold workings (e.g. image)
- Infill soil sampling by Toro JV has identified 4km long gold anomaly

Cote D'Ivoire

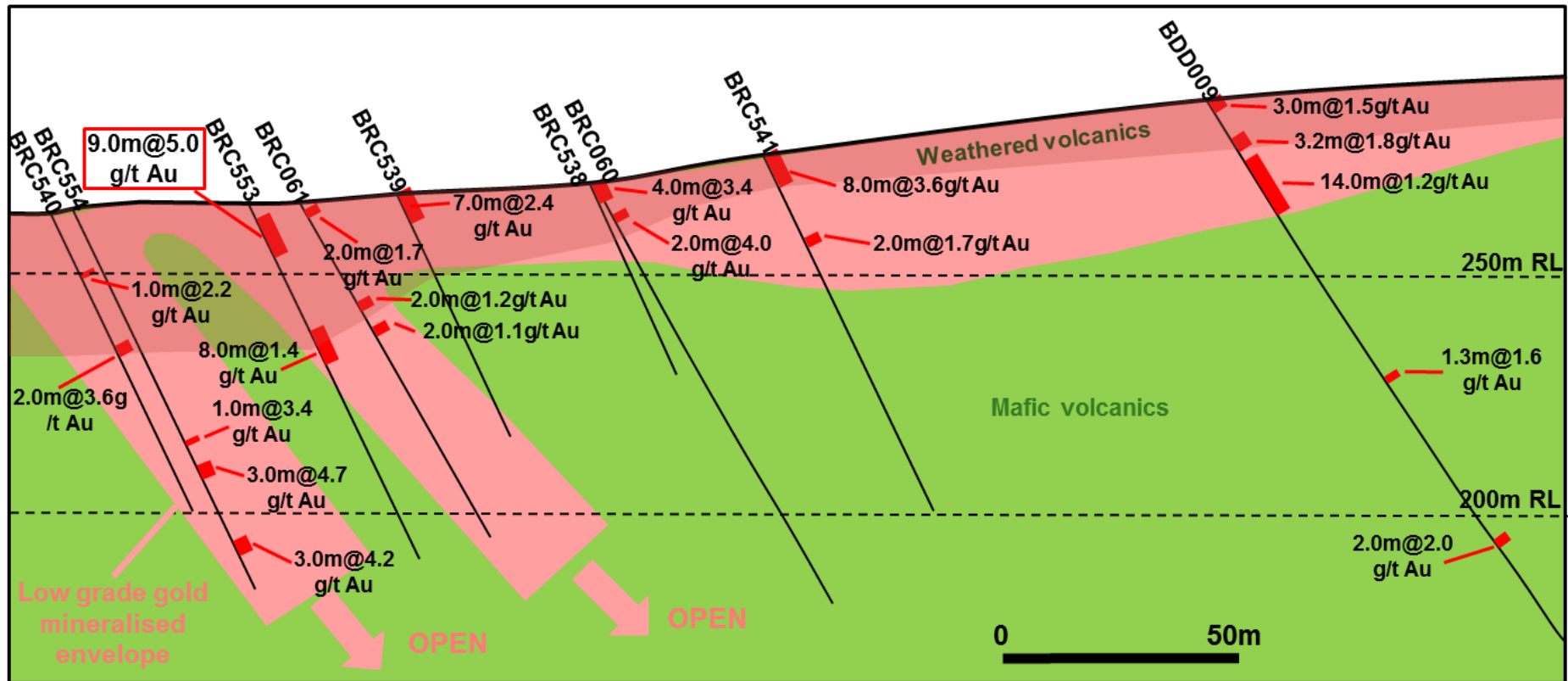
XMI Agreement - Bobosso Project¹

- 7 km² gold soil anomaly, averaging 0.4g/t Au, peaking at 40g/t Au¹
- Substantial historical drilling program 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
- Agreement to fund and/or arrange project level funding – currently earning approx. 35% with limited spending



Cote D'Ivoire

Bobosso Project – Near surface mineralisation



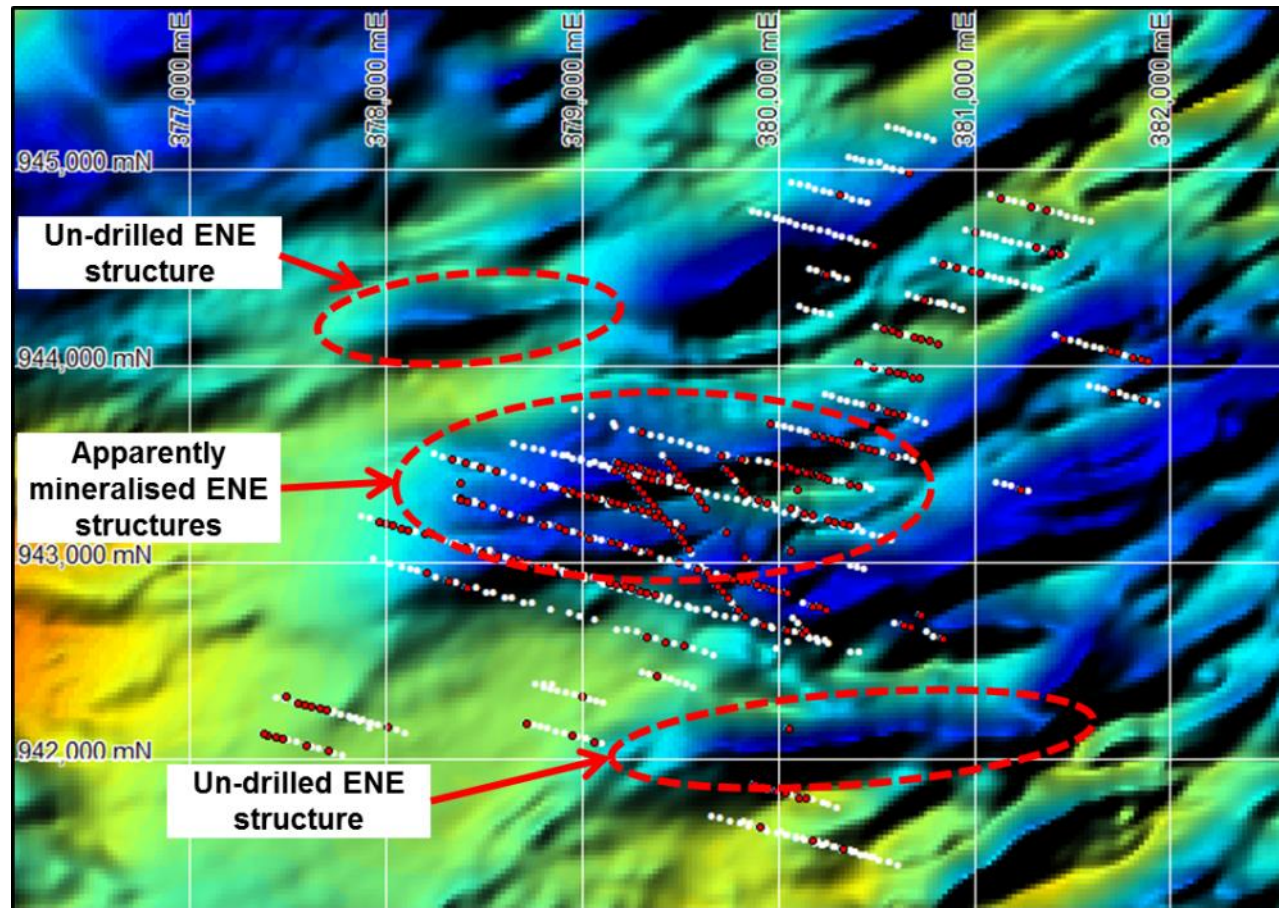
Gold mineralisation below colluvial gold zone – primary alteration with apparent flat dip

Historical drill results released to the ASX on 28/10/15

Cote D'Ivoire

New potential gold-bearing structures in magnetics

- 7 km² gold soil anomaly, averaging 0.4g/t Au, peaking at 40g/t Au¹
- Substantial historical drilling program with numerous shallow gold intercepts¹ e.g.
 - 5m @ 21g/t Au from 48m
 - 32m @ 1.9g/t Au from 12m
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News Flow

Item	Sept-Dec Qtrs 2016
Bongou area, Burkina	JV with company with mine development capabilities to fast track advance to feasibility/development
Boundiali, Cote D'Ivoire (Toro)	More assays to come, re-log of all RC holes, ground geophysics, diamond drilling
Kokoumbo, Cote D'Ivoire (Toro)	Aeromagnetic survey and structural analysis to determine next drill program
Ferkessedougou (Toro)	Follow-up geochemical anomaly with drilling - timing dependent on drill results elsewhere
Bobosso, Cote D'Ivoire (XMI)	Diamond drilling program on Bobosso prospect, regional scale geochemistry
New West African projects	Acquire greenfields targets and commence exploration using regional targeting criteria – focus in Burkina Faso and Cote D'Ivoire

Predictive Discovery Limited West African Gold Explorer



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