

WEST AFRICA EXPLORATION AND STRATEGY UPDATE

Predictive Discovery Limited (**Predictive** or **Company**) is pleased to provide an update on both projected newsflow and its exploration strategy across its West African portfolio of gold projects (Figure 1).

Specifically, the Company is excited about the **return of activity to Ouarigou South** from which a series of excellent diamond drill results were reported last week¹, including **45.3m at 3.16g/t gold** from 45.9m, including **9m at 10.31g/t gold**.

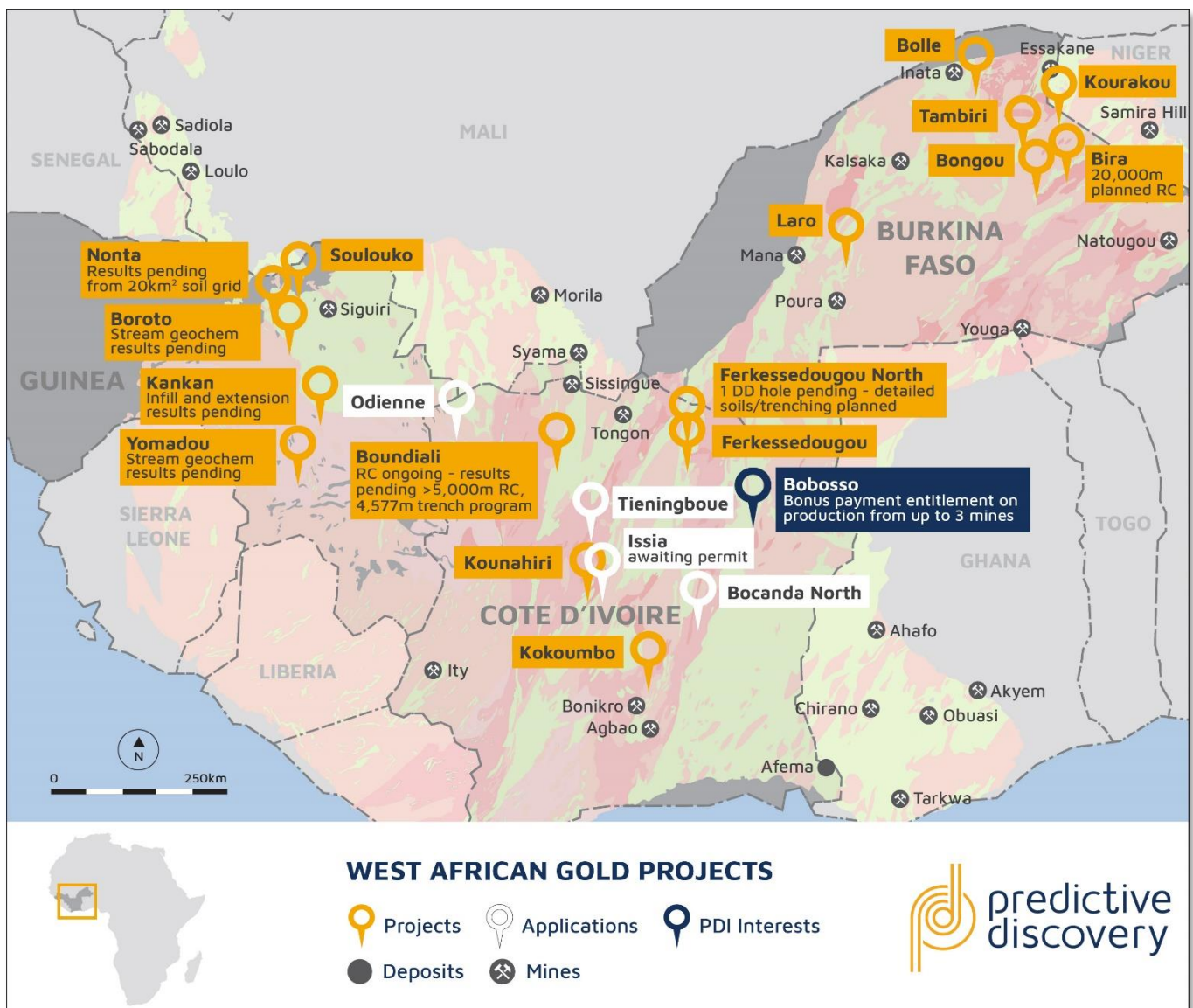


Figure 1 – Current and planned activities/newsflow across Predictive's exploration ground portfolio in West Africa

¹ ASX Announcement - CONFIRMATION OF SIGNIFICANT NEW GOLD DISCOVERY AT FERKESSEDOUGOU NORTH, COTE D'IVOIRE
<https://www.investi.com.au/api/announcements/pdi/02e800f8-176.pdf>

PREDICTIVE STRATEGY (BACKGROUND)

In recent years, the Company has assembled a large portfolio of properties across the world-class Birimian greenstone belts of Cote D'Ivoire, Guinea and Burkina Faso. Core to the Predictive strategy has been maximising the probability of making multiple gold discoveries while minimising expenditure and the frequency of dilutive capital raisings. As part of this strategy, Predictive has entered into joint ventures with development-orientated partners on projects in Cote D'Ivoire and Burkina Faso. The Company holds significant minority interests (30-49%) in these projects with most exploration activity funded by these partners.

This approach has already yielded gold discoveries in Cote D'Ivoire and Burkina Faso, including the recently announced Ouarigue South discovery at **Ferkessedougou North Project**². The Company is also in the early stages of exploring a series of 100% owned projects in Guinea, which have produced encouraging gold geochemical anomalies at the **Nonta** and **Kankan** Projects.

COTE D'IVOIRE

Following the recent, excellent diamond drill results from the Ferkessedougou North Project (**Ouarigue South Prospect - 45.3m at 3.16g/t gold** from 45.9m, including **9m at 10.31g/t gold**³), the Toro exploration team has returned to the field to begin **a large-scale soil sampling program** (100 x 25m² grid) over the **17km-long zone of gold-in-soil anomalies** there. Up to 5 separate sampling teams will be deployed to maximise sampling productivity and enable the collection of **up to 7,000 soil samples** before the onset of the rainy season. The program is designed to identify further geochemical signatures as encountered on the Ouarigue South gold-mineralised granite body. On completion of the remainder of the soil program after the rainy season, the team will move on to a large-scale trenching program **aimed at delineating multiple mineralised granitic bodies** within the gold-anomalous trend.

Reverse Circulation (RC) drilling is ongoing at the **Boundiali Project**, including the reconnaissance program at Boundiali North and infill drilling at Boundiali South (Nyangboue prospect). Initial assays from from Nyangboue (first 15 holes) have returned impressive results⁴ with **further drill results** pending from **the rest of the RC program** on both Boundiali North and South together with assays from **4,577m of trenching** completed on Boundiali North.

Cote D'Ivoire Agreements

The Company has a Joint Venture with UK-based mining company Toro Gold (Mako Mine, Senegal) on 7 permits in Cote D'Ivoire including Boundiali North, Boundiali South and Ferkessedougou North.

Predictive retains a potential future financial interest in the Bobosso Gold Project (now owned by Progress Minerals) from bonus payments on gold production from up to three mines. The Company is also awaiting

² ASX Announcement - CONFIRMATION OF SIGNIFICANT NEW GOLD DISCOVERY AT FERKESSEDOUGOU NORTH, COTE D'IVOIRE
<https://www.investi.com.au/api/announcements/pdi/02e800f8-176.pdf>

³ ASX Announcement - CONFIRMATION OF SIGNIFICANT NEW GOLD DISCOVERY AT FERKESSEDOUGOU NORTH, COTE D'IVOIRE
<https://www.investi.com.au/api/announcements/pdi/02e800f8-176.pdf>

⁴ ASX Announcement - NEW DRILL RESULTS STRENGTHEN BOUNDIALI PROJECT IN COTE D'IVOIRE
<https://www.investi.com.au/api/announcements/pdi/e0054bbf-ebc.pdf>

the granting of the Issia permit (100% owned) and hopes to commence exploration work in November 2019 following the rainy season.

The Company retains a potential future financial interest in the **Bobosso Gold Project** (now owned by Progress Minerals) from bonus payments on gold production from up to three mines. The Company is also awaiting the granting of the **Issia permit** (100% owned) and hopes to commence exploration work in November 2019 following the rainy season.

GUINEA

The Company has results pending from soil sampling and BLEG stream geochemistry programs on its **Boroto, Yomadou, Nonta** and **Kankan** Projects.

Initial exploration by Predictive on **Nonta** and **Kankan** has identified very strong stream sediment gold geochemical anomalies on both properties, and a 6km-long gold-in-soil anomaly peaking at 570ppb Au⁵ on Kankan.

BURKINA FASO

20,000m of partner funded RC drilling is planned to test over 20 km of bedrock gold anomalies across the Bira trend (includes the **Bira, Tambiri, Kalinga and Tantiabongou permits**) within the Samira Hill greenstone belt which also includes the Samira Hill gold deposit in Niger (+2.5Moz). Following the security incident announced earlier in the year⁶, work remains suspended until current security concerns in the area are fully addressed.

Burkina Faso Joint Venture

In Burkina Faso, the company has a Joint Venture with Canadian based Progress Minerals, which covers 11 exploration permits in Eastern Burkina Faso, including the **Bongou gold deposit** which contains a JORC compliant Mineral Resource Estimate of 184,000oz of gold in the Inferred and Indicated Mineral Resource categories with an average grade of 2.6g/t Au, including 136,000oz at 3.8g/t Au⁷.

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Competent Persons Statement

The exploration results reported herein, insofar as they relate to mineralisation are based on information compiled by Mr Paul Roberts (Fellow of the Australian Institute of Geoscientists). Mr Roberts is a full-time employee of the company and has sufficient experience relevant to the style of mineralisation and type of deposits being considered 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

⁵ ASX Announcement - EARLY RESULTS IMPRESS IN GUINEA
<https://www.investi.com.au/api/announcements/pdi/866985c4-568.pdf>

⁶ ASX ANNOUNCEMENT - ADVICE ON BURKINA FASO INCIDENT
<https://www.investi.com.au/api/announcements/pdi/cc7bca0d-b3d.pdf>

⁷ ASX Announcement - HIGH-GRADE MAIDEN MINERAL RESOURCE ESTIMATE AT BONGOU, BURKINA FASO
<https://www.investi.com.au/api/announcements/pdi/2bab5647-9ed.pdf>

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.

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About Predictive Discovery

With exposure to a world class region, Predictive Discovery (**ASX:PDI**) is focused on its west African gold projects in Burkina Faso, Cote D'Ivoire and Guinea.

Our prospect generator model of **Exploration – Partnership – Growth** provides a pipeline of continuous and early stage exploration opportunities, partnering with experienced and respected companies to fund ongoing exploration and leveraging their expertise to realise shareholder value.

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