

AC/RC DRILLING UNDERWAY IN GUINEA, ACCELERATING EXPLORATION

Predictive Discovery Limited (**Predictive** or **Company**) is pleased to announce that a combined Air-Core/Reverse Circulation (AC/RC) drilling program, totalling 2700m, is underway at the Company's 100%-owned Kaninko and Kankan Projects, located in Guinea.

A combined AC/RC drill rig has commenced work at Kaninko with drilling expected to be finished in approximately one week. Once completed, the drill rig will move over to Kankan (Figure 1). Both projects have seen a series of exploration programs completed in the last 6 months with significant gold mineralisation and drill targets identified.

Predictive holds approximately 500km² of prospective landholdings across five projects, all containing artisanal gold workings (Figure 1). All five projects are within the Siguiri Basin which hosts AngloGold's large Siguiri Mine (+10Moz). The Guinea projects were identified by Predictive during its terrain-scale assessment of the Siguiri Basin in late 2018 using the Company's Predictore™ gold targeting system.



Figure 1 – Predictive Discovery's Guinea Projects, highlighting drilling activities currently underway at the Kaninko and Kankan Projects

The AC/RC drilling program is focused on the following targets:

1. KANINKO PROJECT

Kaninko was granted to Predictive less than nine months ago. Through aggressive, targeted, low-cost exploration, the Company has progressed it from a greenfields tenement with no known history of past exploration, to a property on which significant gold mineralisation has now been identified.

Drilling will test beneath and along strike of power auger gold intercepts and gold-mineralised trenches on the North-East Bankan and Bankan Creek prospects with 2,100m of combined AC/RC drilling (Figure 2). Angled holes will be drilled at -50 degrees to test across the target mineralised zones to a depth of approximately 40m.



Figure 2 –Drill plan for upcoming AC/RC drilling program at the Kaninko Project, targeting the North-East Bankan and Bankan Creek Targets

During January/February, the Company completed 3,178m of shallow power auger drilling and 490m of trenching at Kaninko, with better results including 11.90g/t gold from bottom-of-hole Power Auger sampling at North-East Bankan Prospect and 18m at 1.60g/t gold from trenching at the Bankan Creek Prospect¹.

¹ ASX Announcement - HIGH GOLD GRADES AND BROAD MINERALISED WIDTHS FROM AUGER AND TRENCHING PROGRAMS AT KANINKO, GUINEA
<https://www.investi.com.au/api/announcements/pdi/07ea4287-530.pdf>

At North-East Bankan, 1,200m of angled AC/RC drilling is currently testing beneath the better power auger drill results (Figures 2 and 3).



Figure 3 – Drilling underway at the Kaninko Project

At Bankan Creek, the highest value obtained from power auger drilling was 2.49g/t gold. Interpretation of the recent trench and power auger results along with surface sampling and geological mapping has identified a 350m long, 100m-wide zone for follow up drilling with 900m of angled AC/RC drilling.

2. KANKAN PROJECT

In late 2019, the Company completed a soil sampling program which outlined a 7km-long gold-in-soil anomaly with a peak value of 2.5g/t gold². A follow-up program of ground magnetics was completed in early March in conjunction with an Induced Polarisation (IP) survey to assist in further vectoring down on drill targets. The IP survey also assisted the Company to identify the most prospective locations for the upcoming AC/RC drilling program which is scheduled to be completed once the drill rig has completed work at the Kaninko Project. The Company has planned a modest, 600m drill program to be completed by early April (Figure 4).

² ASX Announcement - DRILLING AND FIELD WORK RECOMMENCE IN WEST AFRICA
www.investi.com.au/api/announcements/pdi/704a9190-a30.pdf

The Company looks forward to providing regular updates on its various drilling campaigns as they progress during the current field season.

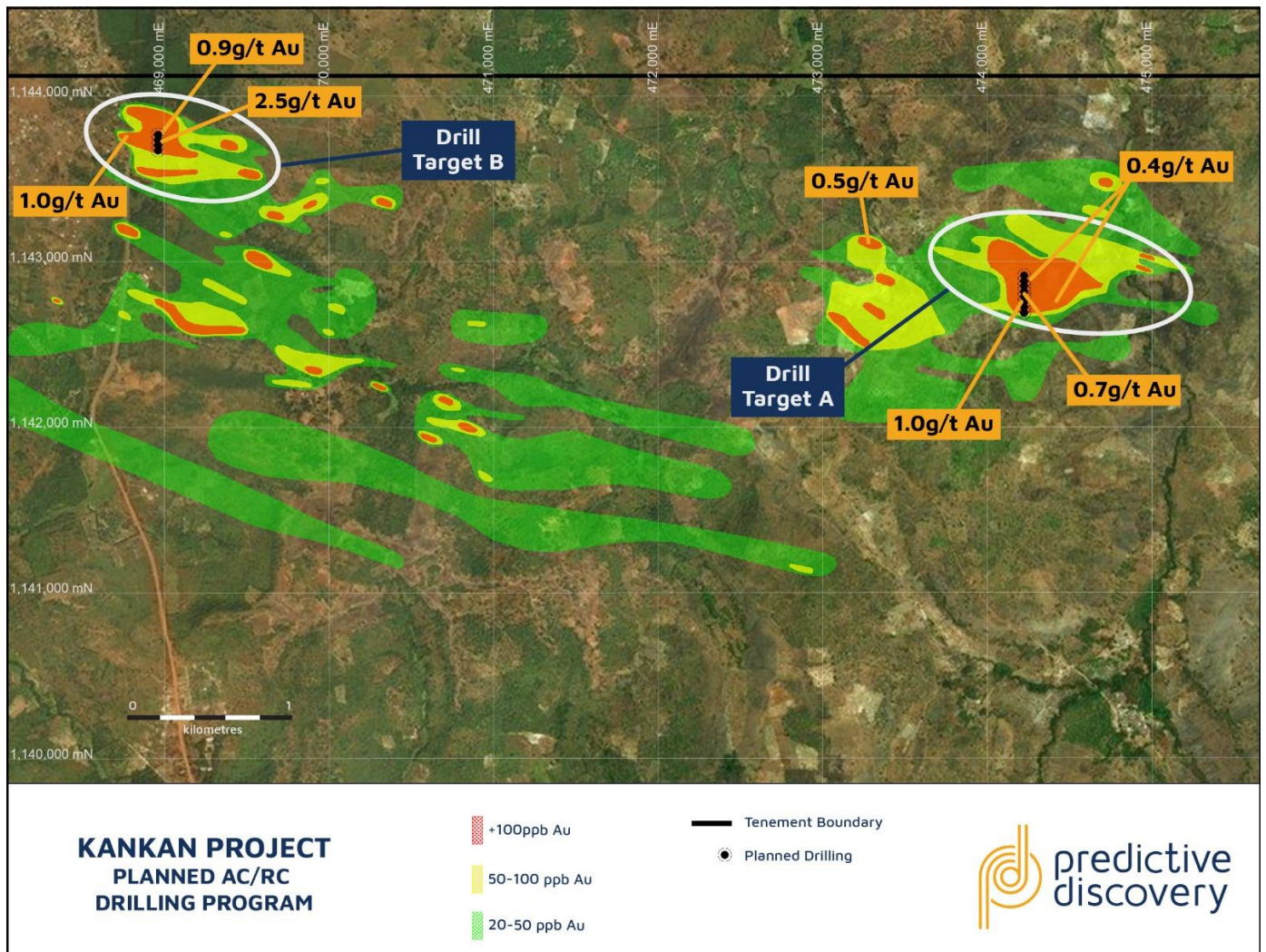


Figure 4 – Planned drill hole locations at the Kankan Project, overlain previously completed soil sampling Results

Predictive advises that it is not aware of any new information or data that materially affects the exploration results contained in this announcement.

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 consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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This announcement is authorised for release by Predictive Discovery Managing Director, Paul Roberts.

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About Predictive Discovery

Predictive Discovery is a West African focused gold explorer with a portfolio of 21 exploration projects and applications strategically located in the prolific Birimian greenstone belts of Guinea, Cote d'Ivoire and Burkina Faso.

The Company has begun work on its five 100%-owned exploration properties in Guinea with a 500km² landholding in the highly prospective but underexplored Siguiri Basin, which contains AngloGold's world-class Siguiri Mine (+10Moz). All permits are located close to widespread artisanal workings with drilling expected to begin in early 2020.

