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ASX Announcement

PDI Equity in Eldore Joint Venture increases to 72%

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Predictive Discovery Limited (ASX: PDI) announces that its Joint Venture partner in Burkina Faso, Eldore Mining Corporation Ltd (ASX: EDM), has not contributed to exploration expenditure on the four Joint Venture permits. As a result, **PDI is pleased to take the opportunity to increase its interest in the Joint Venture from 60% to 72.1%.**

The Joint Venture permits are located within the Company's Bonsiega Gold Project (Figure 1). The permits cover a number of very promising prospects, including the highly prospective Laterite Hill Grid where more than 16km of strong bedrock gold anomalies has been identified. Reconnaissance RC drilling at this location over a 2km strike length has encountered numerous intercepts of shallow gold mineralisation at the Dave and Dave East Prospects, including:

- 27m at 2.6g/t Au from 22m
- 46m at 1.4g/t Au from 16m
- 14m at 3.7g/t Au from 66m

Mr Paul Roberts, the Company's Managing Director commented: "Predictive Discovery is very pleased to take the opportunity to acquire additional equity in the EDM Joint Venture. Given the very encouraging RC drilling results obtained to date on the Dave Prospect, and the scale of additional bedrock gold anomalism on the Laterite Hill Grid, we believe that the Joint Venture area holds strong potential for the discovery of a large gold deposit. PDI will continue its drilling program with the objective of extending the known areas of gold mineralisation in the 2011 field season."

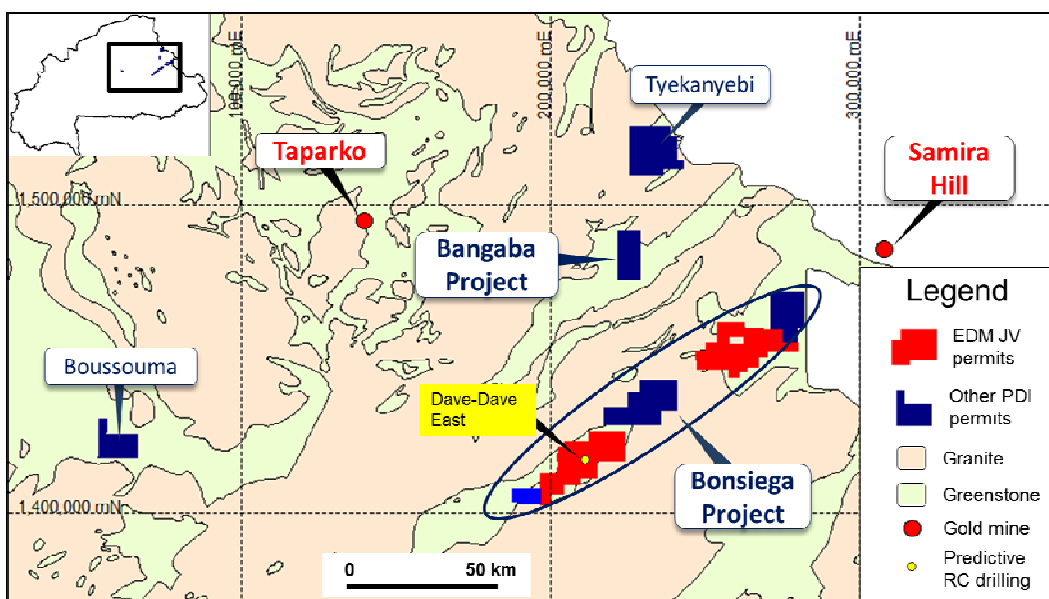


Figure 1: Location of PDI exploration permits in Eastern Burkina Faso. The four EDM permits are highlighted in red.

Eldore Joint Venture Agreement

A Heads of Agreement (**HOA**) was signed on EDM's four exploration permits in Burkina Faso in January 2010. Under the terms of the HOA, PDI was able to earn a 60% interest in EDM's permits through expenditure of \$2 million by June 2012. Equity is earned in the EDM Joint Venture via the issue of shares in Birrimian Pty Ltd, which owns the four Burkina Faso permits.

PDI announced that it had achieved the 60% earn-in on 29th August, 2011 although the \$2 million expenditure had been completed earlier. By the end of November, 2011, PDI's cumulative expenditure on the permits had risen to \$3,444,060, resulting in cash calls to EDM totalling \$635,386 (GST included).

Given that EDM has not contributed to the \$1,444,060 in joint venture spending after the \$2,000,000 milestone was passed, its interest is reduced to 27.9% as outlined under the terms of the HOA.

PDI looks forward to working closely with EDM as both companies advance exploration on these prospective exploration permits.

About Predictive Discovery:

Predictive Discovery Limited (PDI) was established in late 2007 to explore for gold and uranium. The Company is focused principally on exploration for gold in West Africa with two additional projects for uranium and gold in Australia. PDI has a distinctive technological capability, known as Predictore™, which is designed to increase drill targeting efficiency thereby reducing ore discovery cost. The Company's major focus is in Burkina Faso, West Africa where it is exploring for large open-pit gold ore deposits.

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 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code, 2004 Edition). 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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