

DIA BRAS PLANS MAJOR GEOPHYSICAL SURVEYS AT ITS BOLÍVAR PROPERTY

Montréal, Québec, May 4, 2010 - **Dia Bras Exploration Inc. (TSX-V:DIB)** (the Company) is pleased to report that it has contracted Quantec International Project Services Ltd. (QIPS) to conduct Induced Polarization (IP) geophysical surveys on its 21,552 hectare Bolívar Property (Figure 1 below) in Chihuahua, Mexico. [The IP surveys will examine two areas](#) and have two major objectives:

La Cascada Gold Prospect

The objective at the La Cascada is to detect and map potential high chargeability and resistivity zones that could be related to gold mineralization discovered by previous surface sampling. These geophysical characteristics are typical of a high-sulphidation gold system, and anomalies detected by the survey will be immediate drill targets. The survey is oriented over zones that contain up to 7 g/t gold in highly silicified outcrops. Five lines of 1.2 km each will be surveyed, for a total of 6 line-km.

Bolívar Mine and Environs

The objective at the Bolívar Mine area is to detect and map high-chargeability and low-resistivity zones that may be related to skarn mineralization at and near the Banda Fault. High-grade skarn mineralization at Bolívar is consistently associated with high chalcopyrite contents, which range up to 20-25% in the higher-grade mineralized bodies. The geologic concept behind the design of the survey in this area is that mineralizing fluids moving along the Banda Fault could have formed large skarn or replacement deposits where the highly receptive Upper and Lower Skarn carbonate beds are cut by the fault. Any chargeable body detected by the survey will be an immediate drill target. Nine lines of 1.5 km each will be surveyed, for a total of 13.5 line-km.

The Survey

The survey will utilize a Titan-24 IP Survey, which is a proprietary, multi-channel, multi-parameter, Distributed Acquisition System (DAS), that records D.C. Resistivity and Induced Polarization data. It uses a large, multi-channel, fixed receiver array in combination with a wide variety of possible current injection arrays and highly accurate 24-bit sampling to achieve great depth of penetration, data quality and detectability. First used in mineral exploration applications in 2000, the Titan-24 IP Survey has been applied to exploration for a wide variety of commodities, including gold, copper, base metals, diamonds, and more. In addition to its field acquisition system, the Titan-24 IP is complemented by its full-waveform, digital signal processing platform and its 2D-3D forward modeling and inversion capability.

The Titan 24 IP Survey planned for the Bolívar Project will enable Dia Bras to detect anomalies potentially related to mineralization and proximal alteration at depths of up to 500 metres.

The survey is planned for June-July. Line cutting is in progress and construction of a road to the La Cascada target area will begin after permits have been obtained.

Quality Control

The quality assurance-quality control (QA-QC) of Dia Bras has been described in detail in both RPA's NI 43-101 reports of December, 2006, at Cusi and October, 2005, for Bolívar.

The technical content of this news release has been approved by Thomas L. Robyn, Ph.D., RPG, CPG and Director of Dia Bras, a Qualified Person as defined in NI 43-101.

About Dia Bras

Dia Bras Exploration Inc. is a Canadian exploration mining company focused on precious and base metals in the State of Chihuahua and other areas of northern Mexico. The Company is committed to developing and adding value to its most advanced assets – the Bolívar copper-zinc project and the Cusi silver mining camp. The Company's shares trade on the TSX Venture Exchange under the symbol "DIB".

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