



PRESS RELEASE

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FOR IMMEDIATE RELEASE

ARIANNE STARTS EXPLORATION ON ITS MEXICAN PROPERTIES.

Saguenay, February 5th, 2008 – Following the creation of its 100 %-owned Mexican subsidiary Minera Ariana, S.A. de C.V., Arienne Resources Inc. (« Arienne ») is pleased to announce the start of an exploration campaign on its Mexican properties.

On the **El Rey** property, exploration works will help define the gold and silver mineralized stockwerk zone and test its extensions East. Detailed mapping and sampling will take place on the entire property while a soil geochemistry survey will take place on the East part of the property. IP and magnetometric surveys should take place in the following phase of works.

The **El Rey** property is located 60 km North of Mazatlán and covers an area of 153 hectares. The rocks on the property are mainly volcanites of intermediate to felsic composition of the Tertiary age (Inferior to Superior). The gold and silver mineralizations are present in veins and stockwerks. At the end of the 1990's, this property was explored (reverse circulation drilling and geochemical surveys) by Exploraciones Eldorado, Mexico, S.A. de C.V. in order to test some gold-bearing structures. Intersections from this drilling campaign returned the following gold values: **3.11 g/t Au on 4 metres** in ER-1; **2.35 g/t Au on 6 metres** in ER-4; **7.39 g/t Au on 8 metres** in ER-9; **1.29 g/t Au on 10 metres** in ER-11; **1.12 g/t Au on 4 metres** and **1.00 g/t Au on 18 metres** in drill hole ER-17.

On the **San Jose** property, exploration works will include mapping and sampling on the entire property. The goal being to improve the definition of the geological context of this grass roots property and to identify new exploration targets. Line cutting and a soil geochemistry survey should take place in a subsequent phase of exploration.

The **San José** property is located 15 km East-North-East of the town of Culiacán and covers an area of 104 hectares. The rocks on the property are also mainly intermediate volcanites of the Tertiary age (Medium). The gold mineralization is present within an andesitic-type breccia mineralized in arsenopyrite and chalcopyrite. The alterations consist of silicification, chloritisation, propylitisation and hematization. There was little previous exploration done on this property where small artisan pits were surveyed. A sample extracted in 2003 and coming from one of these exploitation sites returned **27.0 g/t Au and 921 g/t Ag**.

During a due diligence visit on the property in February 2007 by Arienne, chosen samples returned **49.5 g/t Au and 1,805 g/t Ag** on **El Rey** and **1.69 g/t Au and 95.6 g/t Ag** on **San Jose**.

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«We are excited to start the exploration on these two properties that show very interesting potential for gold and silver. They are easily accessible and are located close to important urban areas.» mentioned Mr. Bernard Lapointe, CEO of Arianne.

Arianne Resources is a Canadian exploration company with the primary mission to explore, find and develop gold and uranium deposits in Canada and Mexico. The content of this press release was reviewed by Mr. Bernard Lapointe, Geo., and Qualified Person under NI 43-101.

Investors are invited to visit Arianne Resources investor relations site at www.agoracom.com/IR/Arianne in order to ask questions and get answers or read the questions and answers of other participants. Alternatively, investors can forward their questions or information requests to DAR@agoracom.com and can also be added on the Company's email list in order to receive future press releases.

The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.

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