



Technical Report on Drilling Plans for the Rio Zarza Gold Project Ecuador

Geophysical response, structural scenario and anomalous geochemistry analogous to Kinross Fruta del Norte Gold Deposit

Toronto, Ontario – 25 June 2009 – Ecometals Limited (TSX-V:EC)

This report provides more detailed technical information on the planned drilling on the Rio Zarza Gold Project than could be provided in the Press Release dated 25 June 2009.

Drilling to Start once Permitting Completed

The Rio Zarza Gold Project is located 59km north of Zamora, the district capital of Zamora Chinchipe province, southeastern Ecuador. The project adjoins the Kinross (formerly Aurelian) exploration license which covers the Fruta del Norte epithermal deposit with a reported 13.7Moz Au (Micon, 2007).

Work on the Rio Zarza and other projects in the Ecometals portfolio have been on hold for the last year due to the imposition of a moratorium on exploration by the Government of Ecuador, and enactment of new mining legislation and regulations. Ecometals are in the process of applying for environmental and water use permits to continue exploration, and plans to drill the Rio Zarza project as expediently as possible after receipt of these permits.

Licenses and Reporting in Good Standing

The Rio Zarza project comprises two tenements (Rio Zarza - 765ha and Valle Del Inca I - 375ha) held solely by an Ecometals subsidiary in Ecuador. The Company received confirmation from the Ministry of Mines and Petroleum that the permits are in good standing under the new Mines Act based on payment of annual Conservation Patents and regulatory report filings. Environmental monitoring of the properties, and maintenance and security of the Rio Zarza camp has been maintained through the Moratorium to prevent encroachment of illegal artisanal miners working in the alluvial deposits upstream along the Rio Machinatza.

Social and Environmental Issues Up to Date

Stakeholder engagement in the communities of Zarza, Pindal and Los Equentros villages in the direct impact area is good and the Company maintains a policy of maximizing local supply and employment. The Environmental Impact Assessment Terms of Reference and Environmental Management Plan were filed with the Ministry of Mines and Petroleum immediately prior to the Moratorium, which is a precursor to advanced exploration work including drilling.

Regional Geology Similar to Fruta del Norte

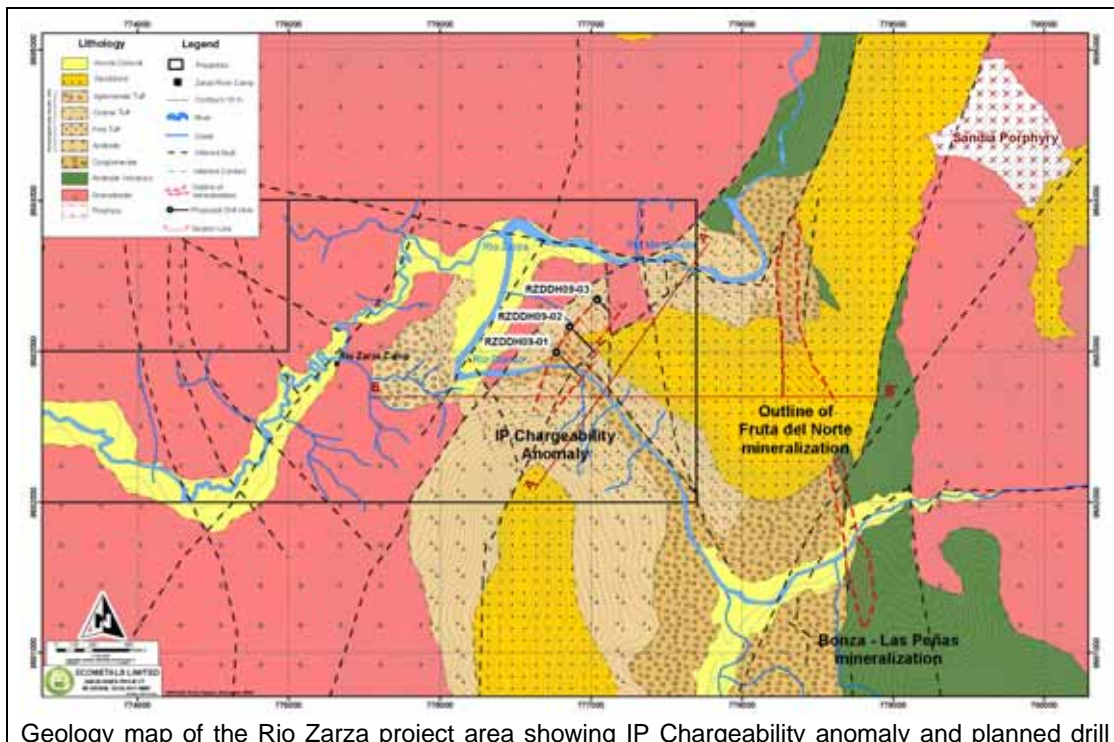
The rocks underlying the west and central part of the Rio Zarza project are the Zamora granite batholith, and on the east side is the volcano-sedimentary assemblage deposited in a extensional pull-apart rift basin which hosts the Fruta del Norte gold and Bonza las Peñas polymetallic epithermal deposits.

The oldest unit in the area are the Jurassic volcanics and volcanoclastics of the Misahuallí Fm which occur as inliers in the Zamora Batholith. The Misahuallí Fm is not seen in outcrop on the Rio Zarza tenements, but comprises andesite volcanics to the east. The Misahuallí Fm is the primary host rock to the Fruta del Norte mineralization.

Overlying the Misahuallí are polymict conglomerates, tuffs and volcanoclastics of the Suarez Fm. The Suarez Fm is an important marker horizon which marks the end of the volcanism and hydrothermal activity which created the Fruta del Norte mineralization. The Suarez Fm is altered but only weakly mineralized and hosts the silica sinter surface remnant of the epithermal vent.

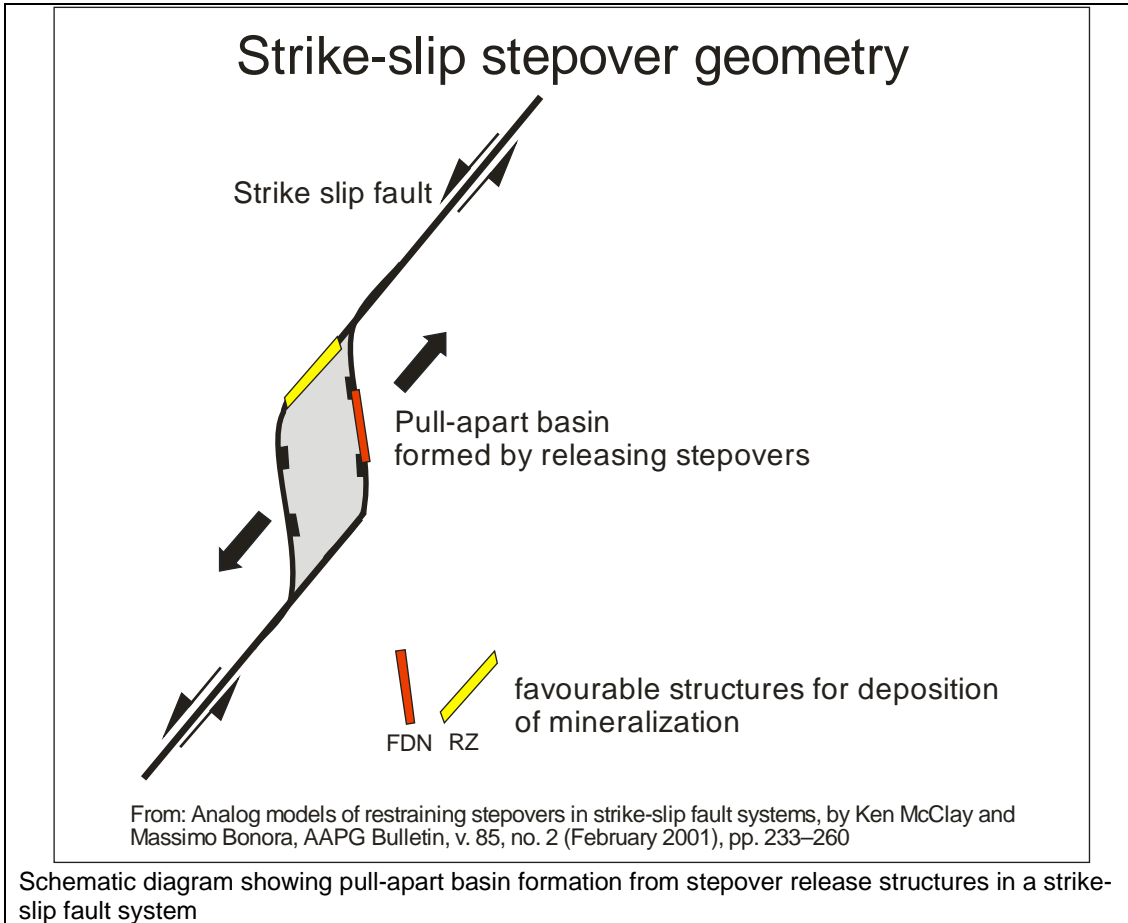
The Jurassic (170 – 190Ma) Zamora Batholith is widespread and comprises primarily diorite and granodiorite and related calc-alkaline intrusive rocks. Phases of the Zamora Batholith intrude the Misahuallí Fm and cause silicification and argillic alteration in the Suarez Fm. The Zamora Batholith intrusion is probably the main driving mechanism of the epithermal mineralizing system.

Sandstone of the Cretaceous Hollín Fm overly the entire sequence of rift fill and Zamora Batholith and post date the mineralization. The sandstone is not mineralized, but has protected the rift material (and mineralization) from erosion.

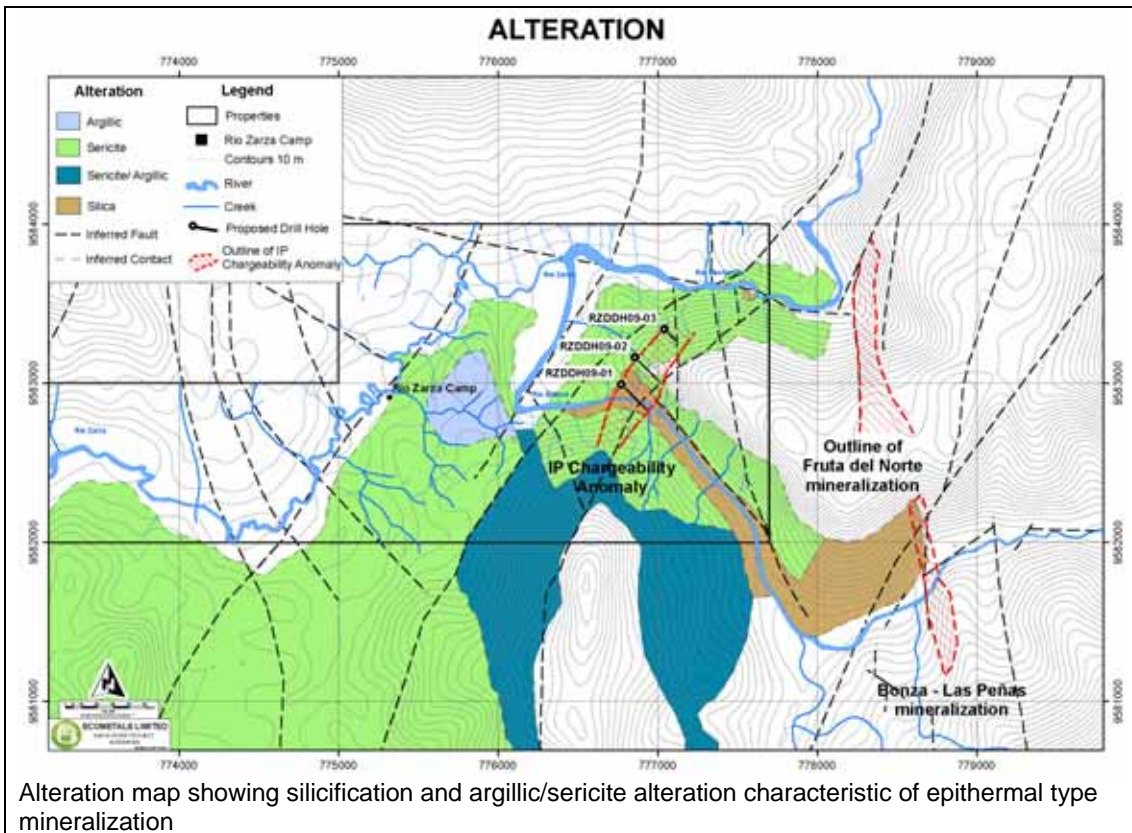


Pull-Apart Basin Target

The main structural trend of the rift basin is NE-SW, but strike slip movement has created pull-apart stepover structures for strain relief. The arrangement of the boundary and stepover faults is part of the same structural circumstance that hosts the Fruta del Norte deposit. Hydrothermal fluids utilize the faults as conduits to the surface, and deposit mineralization where geochemical or physical changes in the geological environment occur.



Argillic/sericite alteration is widespread in the rift fill rocks, but perhaps more importantly pervasive silicification and disseminated sulphides were found in feldspathic tuffs of the Misahuali Fm. Silicification and sulphides are a key element of epithermal processes and are proximal to mineralization.



Channel sampling of weathered and altered feldspathic tuff (Suarez Fm) with limonite-haematite staining derived from sulphides



Medium grained feldspathic tuff (Suarez Fm) with pervasive argillic and silica alteration characteristic of epithermal type mineralization



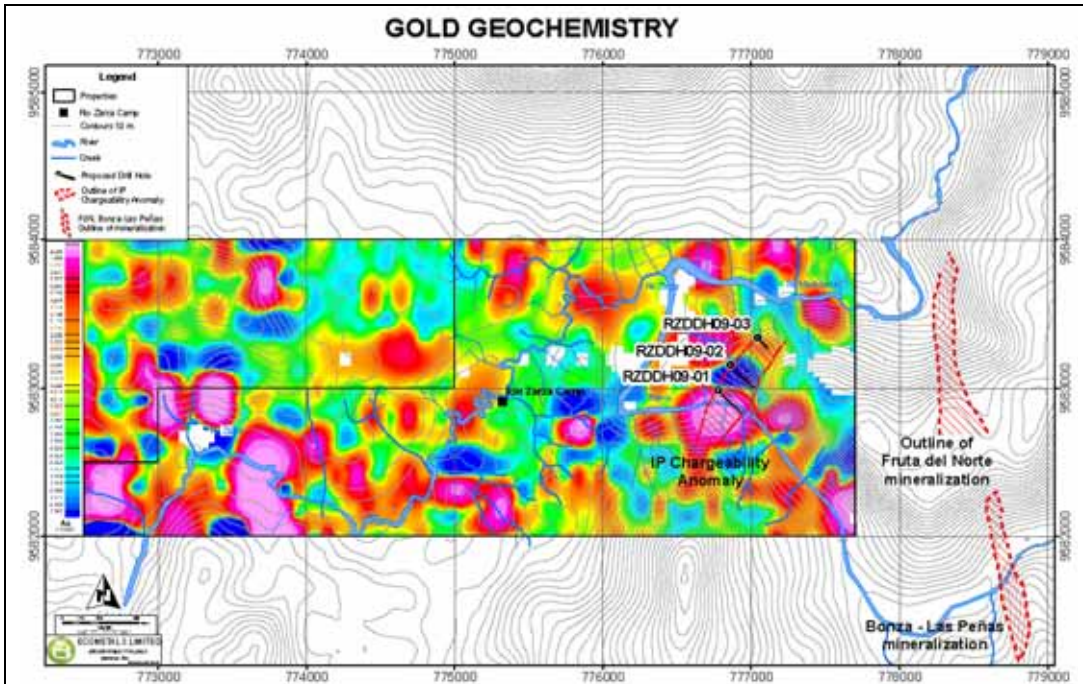
Suarez Formation polymictic conglomerate



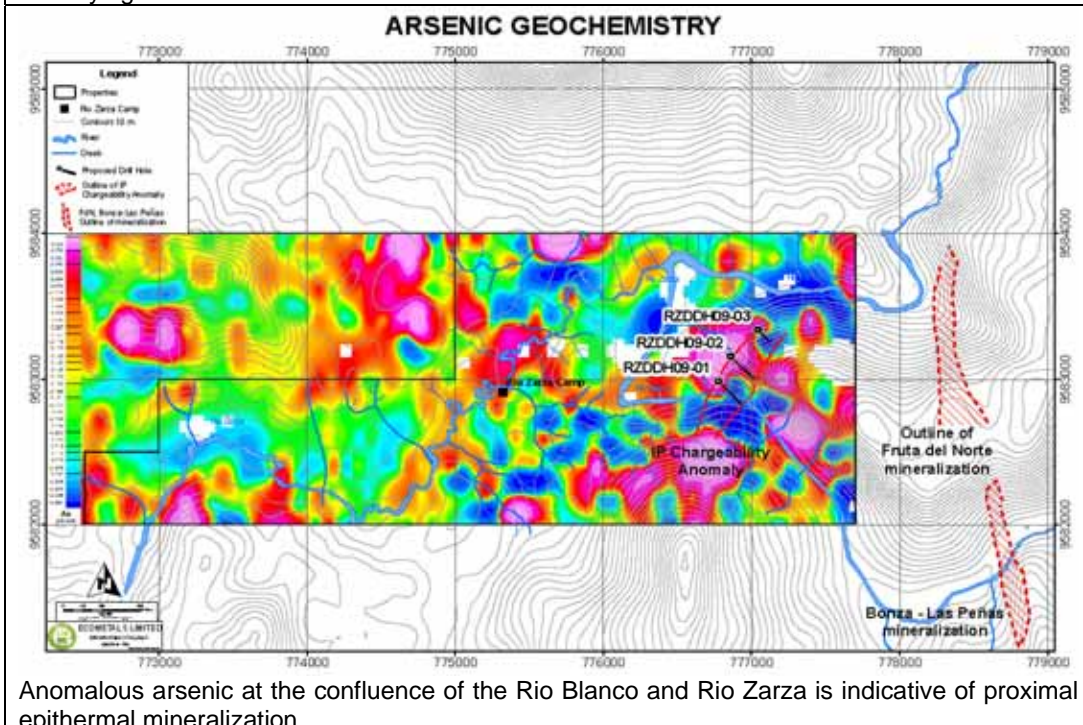
Sericite altered Zamora Batholith granite

Anomalous Geochemical Results Correlate to Rift Fill

Outcrop in the area is sparse with thick tropical forest cover and deep weathering. Geochemical samples were taken primarily from residual soils and bedrock. Analytical results indicate widespread arsenic and anomalous gold correlated to the rift fill material.



Gold anomalies upstream along the Rio Machinatza are caused by contamination from informal sector alluvial gold mining, anomalies to the east are undisturbed and locally derived from underlying rocks



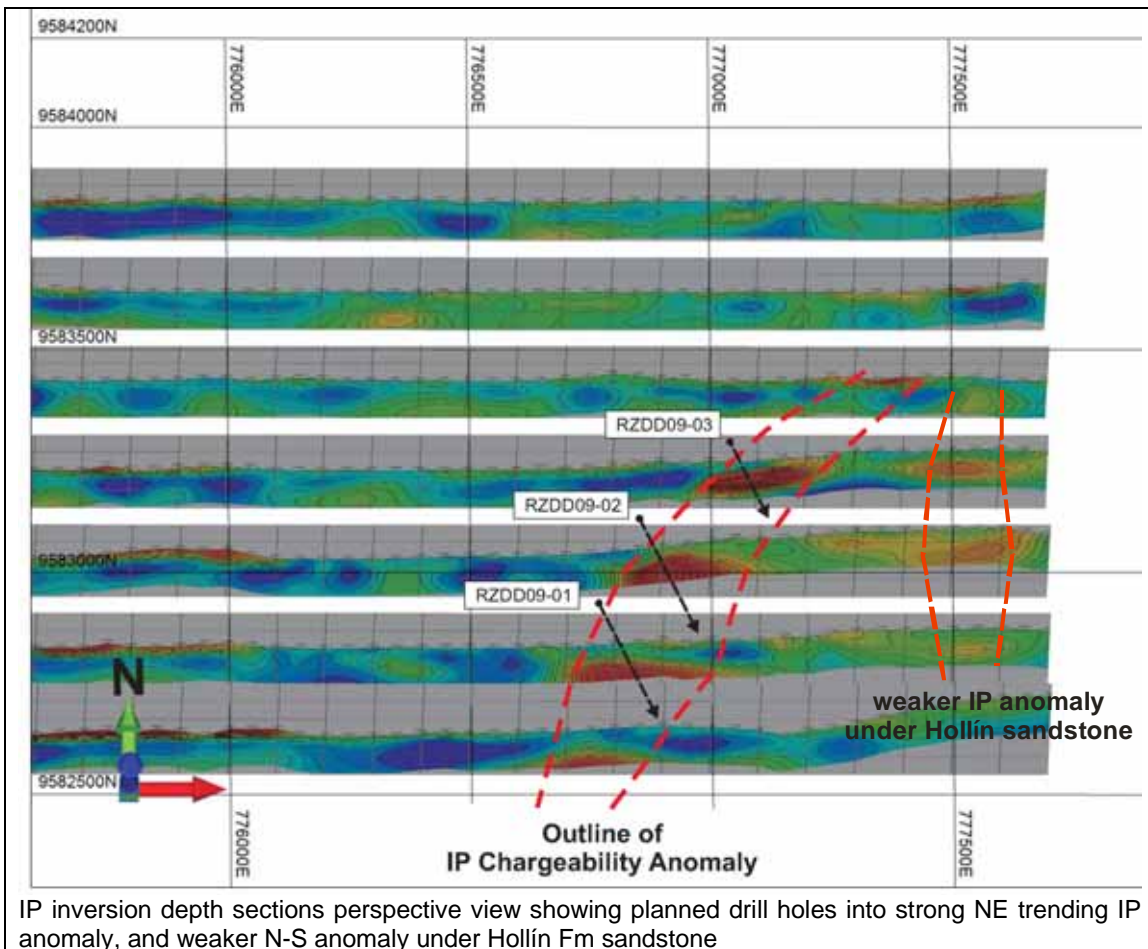
Anomalous arsenic at the confluence of the Rio Blanco and Rio Zarza is indicative of proximal epithermal mineralization

Two Linear IP Chargeability Anomalies

Detailed IP/Resistivity surveys have outlined a significant northeast-trending linear chargeability anomaly 200m width X 850m length associated with an interpreted fault structure, which is analogous to the Fruta del Norte response. Anomalous Au and associated elements (As, Hg) are spatially correlated to the IP anomaly and are indicative of epithermal style mineralization.

A secondary North-South trending somewhat weaker IP anomaly is also apparent, but is overlain by 150m or more of Hollín Fm sandstone. If the geological environment encountered in the first holes is favourable, this IP anomaly will also be considered for drilling.

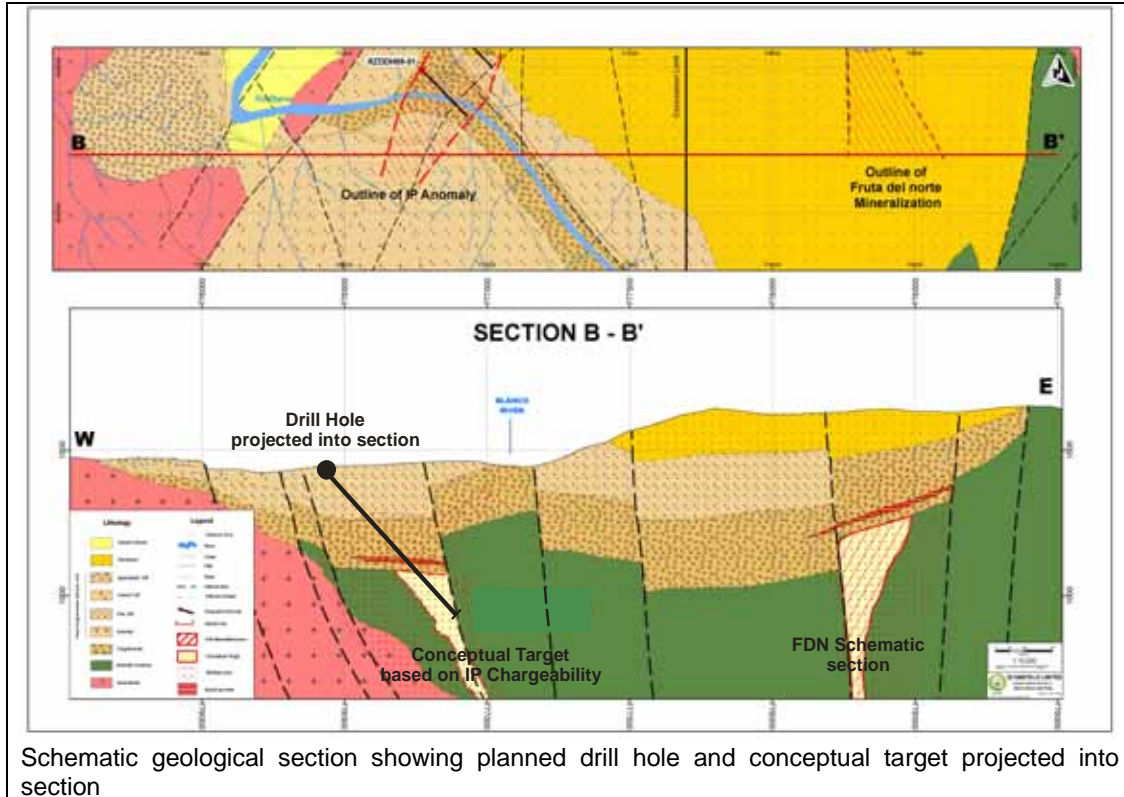
There are other isolated IP and geochemical anomalies in the Rio Zarza concessions hosted by the Zamora Batholith, but the focus of the initial drilling campaign will be on the rift-related rocks.



IP inversion depth sections perspective view showing planned drill holes into strong NE trending IP anomaly, and weaker N-S anomaly under Hollín Fm sandstone

Three Hole Initial Programme Planned

An initial programme of three diamond drill holes for a total of 1200m are planned to intersect the core of the IP chargeability anomaly. Should results prove encouraging, the drilling programme will be continued to further define the mineralization, and also test the second anomaly.



Qualified Person

SR McMullan, P.Geo, Vice President of Exploration for Ecometals Limited, is a qualified person according to National Instrument 43-101 definition and has supervised the preparation of the technical information included in this press release.

About Ecometals

Ecometals Limited is a Canadian-listed mineral exploration and development company focused on the mineral resources in Latin America. Ecometals also has significant manganese and iron projects in Brazil at grass roots and development planning stages.

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