

# Colombian Mines Reports, High Resolution Geophysics Identifies 20 High Priority Targets at Mercedes and Provides El Dovio Drilling Update

20.05.2014 | [Marketwire](#)

VANCOUVER, BRITISH COLUMBIA--(Marketwire - May 20, 2014) -

**Editors Note: There is a photo associated with this press release.**

**Colombian Mines Corporation** ("Colombian Mines" or the "Company") (**TSX VENTURE:CMJ**)(**FRANKFURT:X6C**) is pleased to report interpretation of high resolution airborne magnetometry and radiometric surveys has been completed at Mercedes. State of the art modeling and interpretation has identified **20 highly prospective anomalies within a newly identified structural corridor more than eight (8) kilometers long and six (6) kilometers wide** that is bound by a distinct geophysical lineament termed the DWI trend. The Company has previously reported sample results from **surface outcrops within the DWI trend ranging from 264 to 1,120 grams per metric tonne silver (g/T Ag), 0.992 to 49.8 grams per metric tonne gold (g/T Au) and 3.88 to 26.47% copper (Cu)**. Magnetic and radiometric anomalies indicate potential to expand these occurrences and discover additional vein and porphyry style mineralization on the property.

Using "state of the art" software and interpretation techniques including 3D magnetic vector inversion voxel modeling, consulting geophysicist, Robert Ellis, with EGC Inc. of Reno, Nevada prepared additional products from the high resolution airborne magnetic and radiometric data collected by MPX Geophysics, the acquisition contractor. The approach was to invert the aeromagnetic data to a 3D solid of the magnetic susceptibility. This process creates a block model (voxel) of magnetic susceptibility that's computed effect fits the observed total field response within specified parameters. Depth plans and sections were generated through the susceptibility model to more easily compare known geology with estimates of the depth and geometry of magnetic sources.

Maps of the Magnetization Vector Inversion ("MVI") Susceptibility Amplitude taken at 200 meters below the surface and the Vertical Derivative Reduced to Pole ("VDRTP") clearly show the DWI trend and interpreted graben. The map of the MVI Susceptibility Amplitude may be viewed by clicking [here](#) and the VDRTP may be viewed by clicking [here](#) or visiting the Mercedes project section of the Company's website. A composite level model of the magnetic susceptibility from the surface to 2,000 meters is available for viewing on the Company's website or by clicking [here](#).

**Magnetic and radiometric anomalies indicate east-west, west-northwest and northwest tensional "pull apart" structures within the structural corridor.** Tensional structures commonly form low pressure, open spaces, critical for the movement and deposition of vein minerals from metal bearing fluids. **The large Quebrada Cobre vein with a strike length of roughly seven (7) kilometers and observed vein widths locally approaching 30 meters is considered by the Company to be one such vein structure.** The Company believes there is **high potential to discover other similar structures** within this corridor. Similar corridors with tensional structures host major mineral deposits in Colombia and around the world. Virtually all of the mineralization in the California and Vetaz districts of Colombia is related to a similar system.

The completion of the inversion modeling and the resulting interpretation is an important step forward in the exploration and understanding of the Mercedes project. To date all known high grade mineral occurrences but one, are located within the structural corridor and the bounding DWI trend. Zones of high magnetization flank the structural corridor and are interpreted to be dominated by intrusive rocks with strong potential to host porphyry style mineralization.

**About Mercedes:** The 100% owned, 5,000 hectare, Mercedes contract covers a district scale volcano-sedimentary hosted, intermediate sulfidation epithermal system with outcropping high grade gold-silver-copper mineralization. Surface reconnaissance of the principal belt of mineralization which includes Fillon Amarillo (Yellow Ridge), the Don Wilson and Imba zones has returned sample results from surface outcrops as previously reported by the Company ranging from .992 to 49.8 g/T Au, 264 to 1,120 g/T Ag and 3.88 to 26.47% Cu over an area roughly 2.8 kilometers long and 1 kilometer wide. Work to date indicates at least three similar sub-parallel belts of mineralization within the interpreted graben. Potential also may exist to discover high grade, sediment hosted gold - copper mineralization in fissile calcareous shale units within the volcano-sedimentary sequence and in carbonate platform units believed to underlie the volcano-sedimentary sequence.

**El Dovio:** The Company also advises that drilling is ongoing at its El Dovio project. Core from holes SB14-01, SB14-02 and SB14-03 is now in the Company's core facility in Medellin. The Company expects to have all samples for these holes delivered to SGS's Medellin laboratory by May 23. Drilling operations have been moved from the Sabana Blanca zone to the Brazo 1 target zone. Drilling in the Brazo 1 zone will test down dip projections of surface mineralization in an area where the Company has previously announced composite channel sample results averaging 13.6 g/T Au, 10.75 g/T Ag and 1.6% Zn over two (2) meters within a broader nine (9) meter wide zone that averaged 3.8 g/T Au, 4.1 g/T Ag and 0.6% Zn.

Robert G. Carrington is the Company's designated Qualified Person within the meaning of NI 43-101 and has reviewed and validated the technical information contained in this release.

**About Colombian Mines Corporation:** [Colombian Mines Corp.](http://www.colombianmines.com) is an aggressive exploration and development stage company with a distinct "first mover" advantage in Colombia. Focused on developing shareholder value through exploration and development of key projects, the Company is also one of Colombia's leading "prospect generators". Further information can be found on our website at [www.colombianmines.com](http://www.colombianmines.com).

Robert G. Carrington, President & CEO

*Neither the TSX Venture Exchange nor the Investment Industry Regulatory Organization of Canada accepts responsibility for the adequacy or accuracy of this release.*

*Forward-Looking Statement:*

*Some of the statements in this news release contain forward-looking information that involves inherent risk and uncertainty affecting the business of [Colombian Mines Corp.](http://www.colombianmines.com). Actual results may differ materially from those currently anticipated in such statements.*

**To view the photo associated with this press release, please visit the following link:**

[http://www.marketwire.com/library/20140520-CMJ\\_NR\\_140520Map800.jpg](http://www.marketwire.com/library/20140520-CMJ_NR_140520Map800.jpg)

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