

# LIBERO COPPER COMPLETES DRILL ACCESS TO THE MOCOYA PORPHYRY COPPER MOLYBDENUM PROJECT

VANCOUVER, BC, Feb. 2, 2023 /CNW/ - **Libero Copper & Gold Corporation** (TSXV: LBC) (OTCQB: LBCMF) (DE: 29H) ("Libero Copper") is pleased to announce the completion of the new San Jose access to the Mocoia porphyry copper-molybdenum project located in Putumayo, Colombia. The access is 2,100 metres in length for the transport of drills and supplies, which eliminates expensive helicopter support for drilling activities around the deposit area. In accordance with the cooperation agreement signed with Montclar (see news release [November 29, 2022](#)), the access was co-planned with the community. The process ensures the new San Jose access supports the advancement of the project and the long-term development plans of the community of Montclar including improved access to established economic activities, such as artisanal raw sugarcane production.



Photo 1: Ribbon Cutting Event with the Community of Montclar for the San Jose Access. (CNW Group/Libero Copper & Gold Corporation.)



Photo 2: Section of the San Jose Access in Harmony with Local Development. (CNW Group/Libero Copper & Gold Corporation.)

## ***Roadmap to Colombian Copper Production***

Colombia is developing a National Strategic Plan for the Just Energy Transition that includes

roadmaps for the re-industrialization of the country based on production chains to support the energy transition and diversification of exports. Currently over half of Colombia's and Putumayo's exports are oil and coal. For this reason, the government has set forth a fundamental priority in relation to the productive transformation of Colombia, where copper is viewed as a key opportunity and key component of the transition.

Libero Copper is working together with the Ministry of Industry & Commerce, Ministry of Energy & Mines, National University of Colombia ("UNAL"), local businesses, communities, and green technology start-ups to develop a copper-based production chain in Putumayo and Colombia starting with recycled copper but underpinned by the Mocoa porphyry copper-molybdenum deposit.



Photo 3: Drill core from the Mocoa porphyry copper-molybdenum project, copper produced together with the UNAL from the project (see news release December 6, 2022), and copper recycled in Colombia. (CNW Group/Libero Copper & Gold Corporation.)

### ***About the Mocoa Porphyry Copper-Molybdenum Deposit***

The Mocoa deposit is located in the department of Putumayo, 10 kilometres from the town of Mocoa. Libero Copper's district scale holdings cover over 1,000 km<sup>2</sup> encompassing most of the Jurassic porphyry belt in southern Colombia. Mocoa was discovered in 1973 when the United Nations and the Colombian government conducted a regional stream sediment geochemical survey. Between 1978 and 1983, an exploration program was carried out that consisted of geological mapping, surface sampling, ground geophysics (IP, magnetics), 31 diamond drill holes totaling 18,321 metres and metallurgical test work cumulating in a positive pre-feasibility study (the pre-feasibility study is historical in nature only and should not be relied upon as it is not NI 43-101 compliant). B2Gold subsequently executed diamond drill programs in 2008 and 2012.

A pit constrained inferred resource at Mocoa contains 636 million tonnes of 0.45% copper equivalent (0.33% Cu and 0.036% Mo)<sup>1</sup> generated using \$3/lb Cu and \$10/lb Mo, containing 4.6 billion pounds of copper and 511 million pounds of molybdenum. The Mocoa deposit appears to be open in both directions along strike and at depth. Current work on the property has identified additional porphyry targets including the possible expansion of known mineralization.

The Mocoa deposit is situated in the Eastern Cordillera of Colombia, a 30-kilometre-wide tectonic belt underlain by volcano-sedimentary, sedimentary and intrusive rocks that range in age from Triassic-Jurassic to Quaternary and by remnants of Paleozoic metasediments and metamorphic rocks of Precambrian age. This belt hosts several other porphyry-copper deposits in Ecuador, such

as Mirador (438 million tonnes measured and indicated at 0.61% Cu and 235 million tonnes inferred at 0.52% Cu)<sup>2</sup>, San Carlos (600 million tonnes inferred at 0.59% Cu)<sup>2</sup>, Panantza (463 million tonnes inferred at 0.66% Cu)<sup>3</sup> and Solaris' Waritza, located in Ecuador.

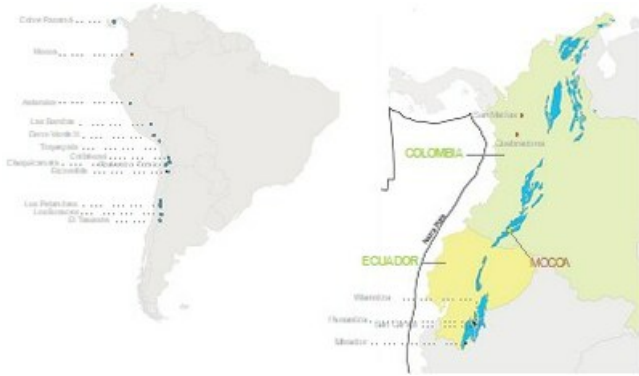


Figure 1: Mocoa porphyry copper-molybdenum deposit location maps. (CNW Group/Libero Copper & Gold Corporation.)

Copper-molybdenum mineralization is associated with dacite porphyry intrusions of the Middle Jurassic age that are emplaced into andesitic and dacitic volcanics. The Mocoa porphyry system exhibits a classical zonal pattern of hydrothermal alteration and mineralization, with a deeper central core of potassic alteration overlain by sericitization and surrounded by propylitization. Mineralization consists of disseminated chalcopyrite, molybdenite and local bornite and chalcocite associated with multiphase veins, stockwork and hydrothermal breccias. The Mocoa deposit is roughly cylindrical, with a 600 metre diameter. High-grade copper-molybdenum mineralization continues to depths in excess of 1,000 metres.



Photo 4: Core from the Mocoa porphyry copper-molybdenum project showing copper and molybdenum mineralization. (CNW Group/Libero Copper & Gold Corporation.)

<sup>1</sup> Technical Report "Mocoa Copper-Molybdenum Project" dated effective November 1, 2021

<sup>2</sup> Technical Report: "Mirador Copper-Gold Project 30,000 TPD Feasibility Study" dated effective April 3, 2008

<sup>3</sup> Technical Report: "Preliminary Assessment Report Panantza & San Carlos Copper Project" dated effective October 30, 2007

## **Qualified Person**

Information in this news release relating to the exploration results is based on data reviewed by Matthew C. Wunder, B.Sc. P.Geo., the Vice President Exploration for Libero Copper. Mr. Wunder is a registered Professional Geologist and has in excess of 35 years' experience in mineral exploration and is a Qualified Person as defined under National Instrument 43-101.

## **About Libero Copper & Gold**

Libero Copper is unlocking the value of a collection of porphyry copper deposits throughout the Americas in prolific and stable jurisdictions. The portfolio includes the Mocoa deposit in Putumayo, Colombia; Esperanza in San Juan, Argentina; and Big Red and Big Bulk in the Golden Triangle, BC, Canada. These assets are being advanced by a highly disciplined and seasoned professional team with successful track records of discovery, resource development, and permitting in the Americas.

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