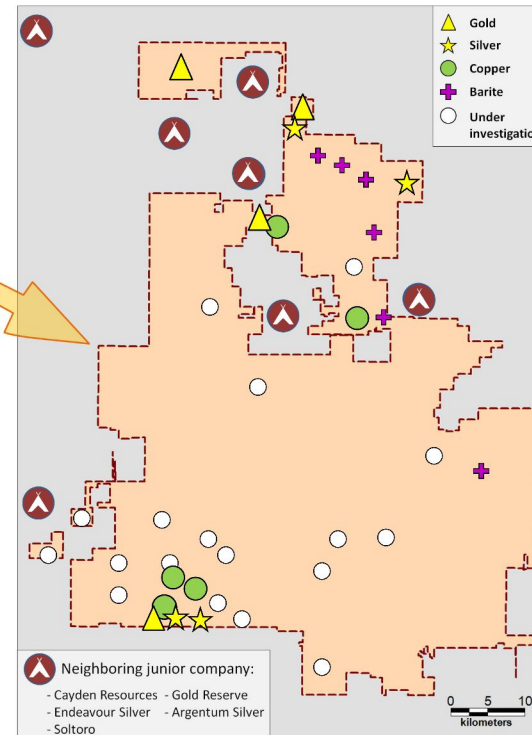


About CMA



« Compañía Minera de Atengo » was created in 2006 upon the initiative of 3 private investors. It is a limited partnership incorporated in Guadalajara, State of Jalisco, Mexico.

The objective has been to develop the mining potential of a 300 000 ha zone (approximately 50 km x 60 km) in the State of Jalisco between the major cities of Puerto Vallarta and Guadalajara (1h30 by road). This zone was actively mined up to Mexican Revolution, at the beginning of the 20th century, after which only sporadic mining took place.

An exploration budget of \$16 millions has been spent to date and has allowed :

1. a complete stream geochemistry coverage
2. a complete stereophotogrammetric and high resolution DTM coverage
3. the collection and analyses of 124 000 rock samples over the whole zone
4. the geological & alteration mapping of the entire zone, the identification of more than 1370 old mining works and the discovery of more than 250km of mineralized veins
5. the acquisition and processing of magnetic data at both regional and local scale as well as some IP campaigns
6. the realization of various exploration and resource definition drilling campaigns totalling 30 000m of diamond drillholes and 5000m of RC drillholes

As a result, various gold, silver, copper and barytine mine targets have been discovered. Three of them are now put at the development stage, one has been optioned to the company [Agnico Eagle](#) and the concession is being now reduced around the main mineralized zones.

Main projects in CMA Domain



CMA Organization & Methods

Between 2007 and 2013, between 25 and 32 engineers and technicians were permanently working on CMA's project following a methodology put in place by [EOSYS](#), a Geoscience Service company providing technological support to CMA and which is one of the shareholders of CMA.

CMA trained personnel from the villages where it operated in order to :

- Collect rock, soil or trench samples
- Core drill in HQ or NQ mode
- Prepare samples to be analyzed by ALS Chemex & ACME laboratories
- Make XRF measurements on core, rock or soil samples
- Manage field survey and laboratory teams

Four teams were operating seven days a week under the supervision of a resident geologist : a geochemical team, a drilling team (with 3 crews), a laboratory team and an administrative team.

The data were controlled locally and sent to a GIS team which checked it again before updating the GIS, producing at the same time maps, logs and sections used to control and interpret the data as well as to make decisions concerning the ongoing surveys. The innovative methodology put in place is further detailed on the following [website](#).

CMA personnel was trained by experienced geologists and drilling professionals and received regularly the visit of experts who provided ongoing training.



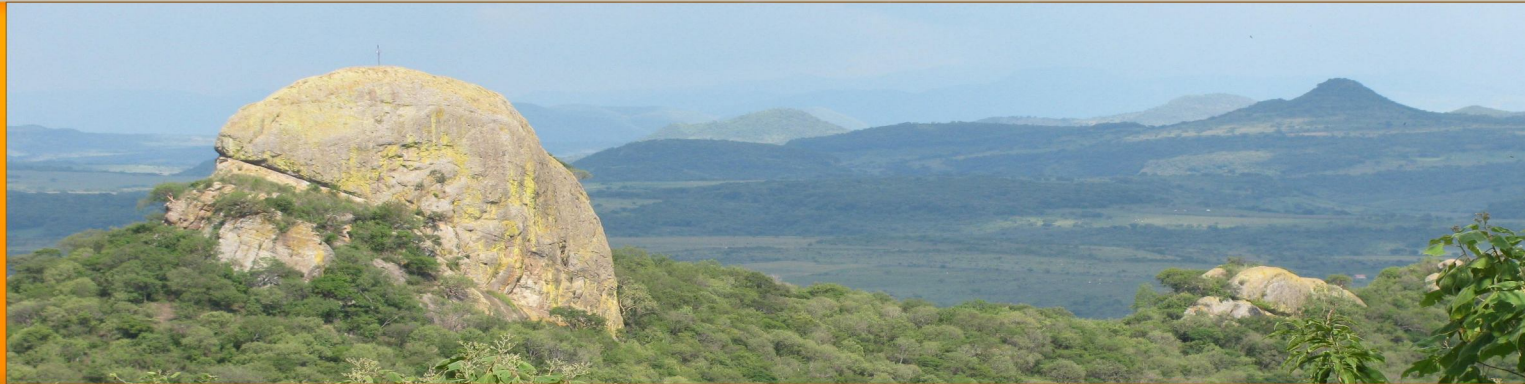
Photo Gallery



Approximately 35 000 m of cores & drill samples are currently stored at CMA

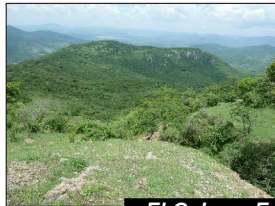


More than 124 000 samples have geochemical measurements and are being stored in trays for quick retrieval and geological examination



Advanced projects

A high grade Copper Resources under development



El Galeme E

A high grade Silver Resources under development

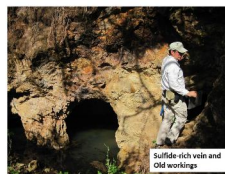


El Realito



Partnered projects

El Barqueño II Gold exploration project optioned to [Agnico Eagle](#)

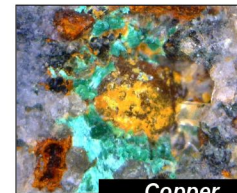


sulfide-rich vein and old workings



Other projects

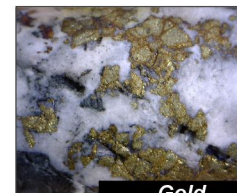
An important exploration program over a zone of 300 000 ha conducted between 2007 and 2013 has allowed to identify 270 km of mineralized veins and various disseminated zones. Some of CMA's project are currently opened for option or joint ventures.



Copper



Silver



Gold



Barite



Copper projects



Silver projects



Gold projects

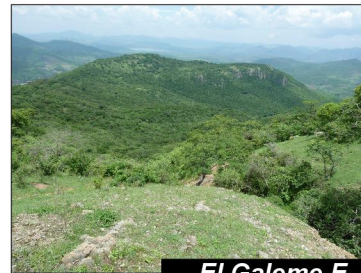


Barite projects



Copper Project
Location

Advanced Project



El Galeme E

Early exploration stage



Gema



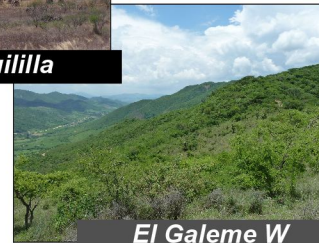
Lloron



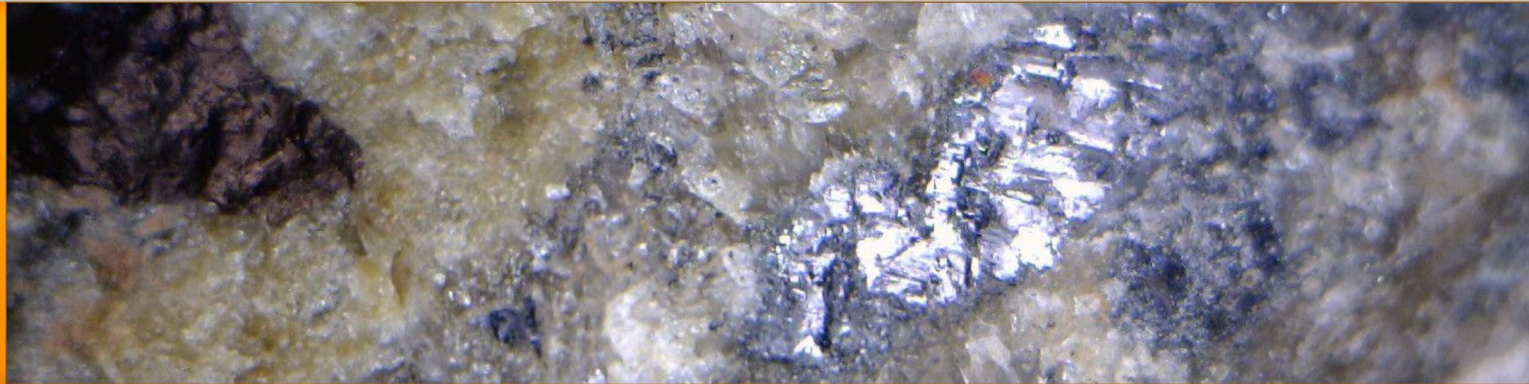
Quililla



El Sesteo



El Galeme W



Copper projects



Silver projects



Gold projects

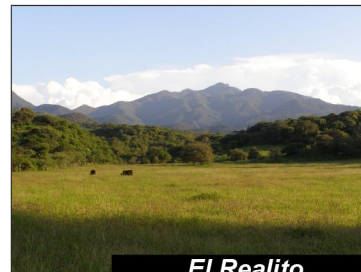


Barite projects



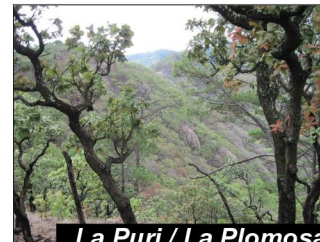
**Silver Project
Location**

Advanced Project

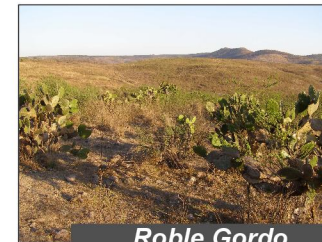


El Realito

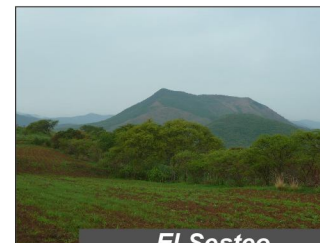
Early exploration stage



La Puri / La Plomosa



Roble Gordo



El Sesteo



Copper projects



Silver projects



Gold projects

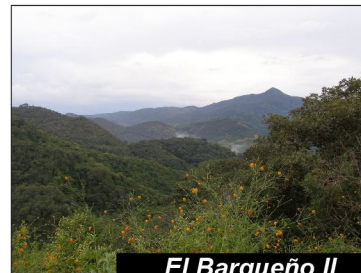


Barite projects



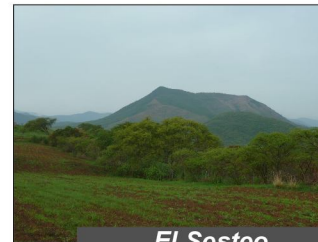
Gold Project
Location

Partnered Project



El Barqueño II

Early exploration stage



El Sesteo



La Puri / El Tejon

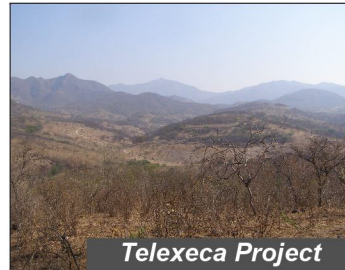


Quililla

[Copper projects](#)[Silver projects](#)[Gold projects](#)[Barite projects](#)

**Barite Project
Location**

Advanced Project

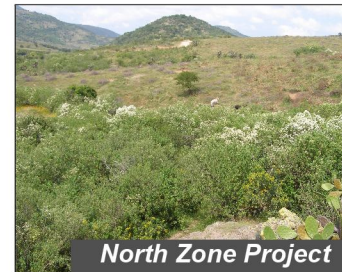


Telexeca Project

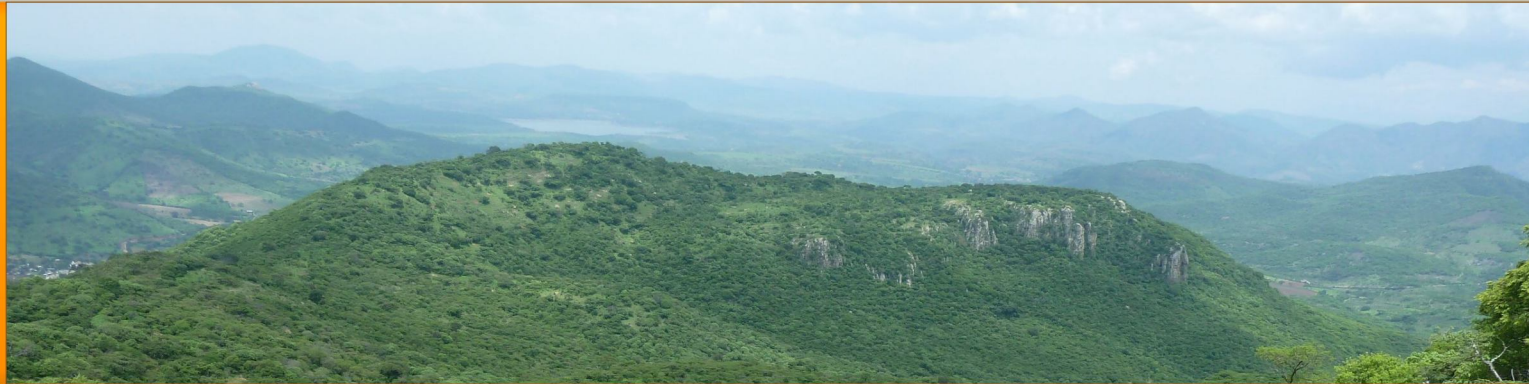


Tecolotlan Project

Early exploration stage



North Zone Project



El Galeme project: a high grade copper project [Back to Copper projects](#)

The Galeme Prospect is located above a strong positive magnetic anomaly and shows numerous old mining works aligned over 4 km.

Dioritic bodies cut by felsic intrusions intrude a pile of andesitic and rhyolitic tufs. Sulfide mineralisation (mainly chalcopryite and pyrite) is observed over a 650m height, from the top of the Cerro to the bottom of a 250m deep drillhole drilled in the nearby valley.

This prospect was first drilled in June 2010 and 4500m of diamond core were drilled since then in 2 campaigns in 2010 and 2014. Drillings and extensive trenching have put in evidence a subvertical chimney (Galeme West) and a 2.3 km long mineralized zone (Galeme East) aligned along the 4 km long fault. Both are filled with a sulfide (chalcopryite and pyrite) cemented hydrothermal breccia which is oxydized in the upper 100m.

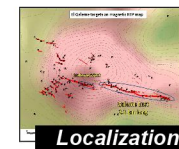
Drilling on El Galeme East investigated so far a vein length of 600m down to a depth of 100m. It indicates a copper resource of more than 35 000t of metal copper (70 millions lbs Cu) at 1.6% grade that can be exploited by shallow trenches or underground methods (at more than a 2% grade). Development drilling is now required to proof the structure over its whole length (2400m) and presumed depth (>600m) with an exploration objective set in a range of 100 000 to 500 000t of copper metal at a high grade.

The development of a pilot plant is currently being planned.

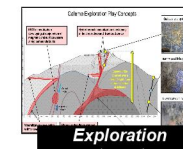
For more information please [contact us](#)



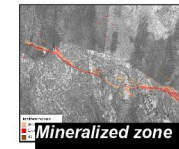
Maps & Imagery



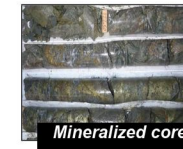
Localization



Exploration target



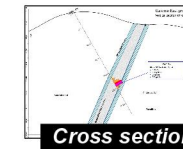
Mineralized zone



Mineralized core



Mineralized core



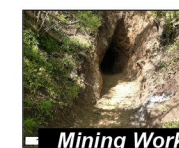
Cross section



Outcrop



Mining Work



Mining Work



Mining Work





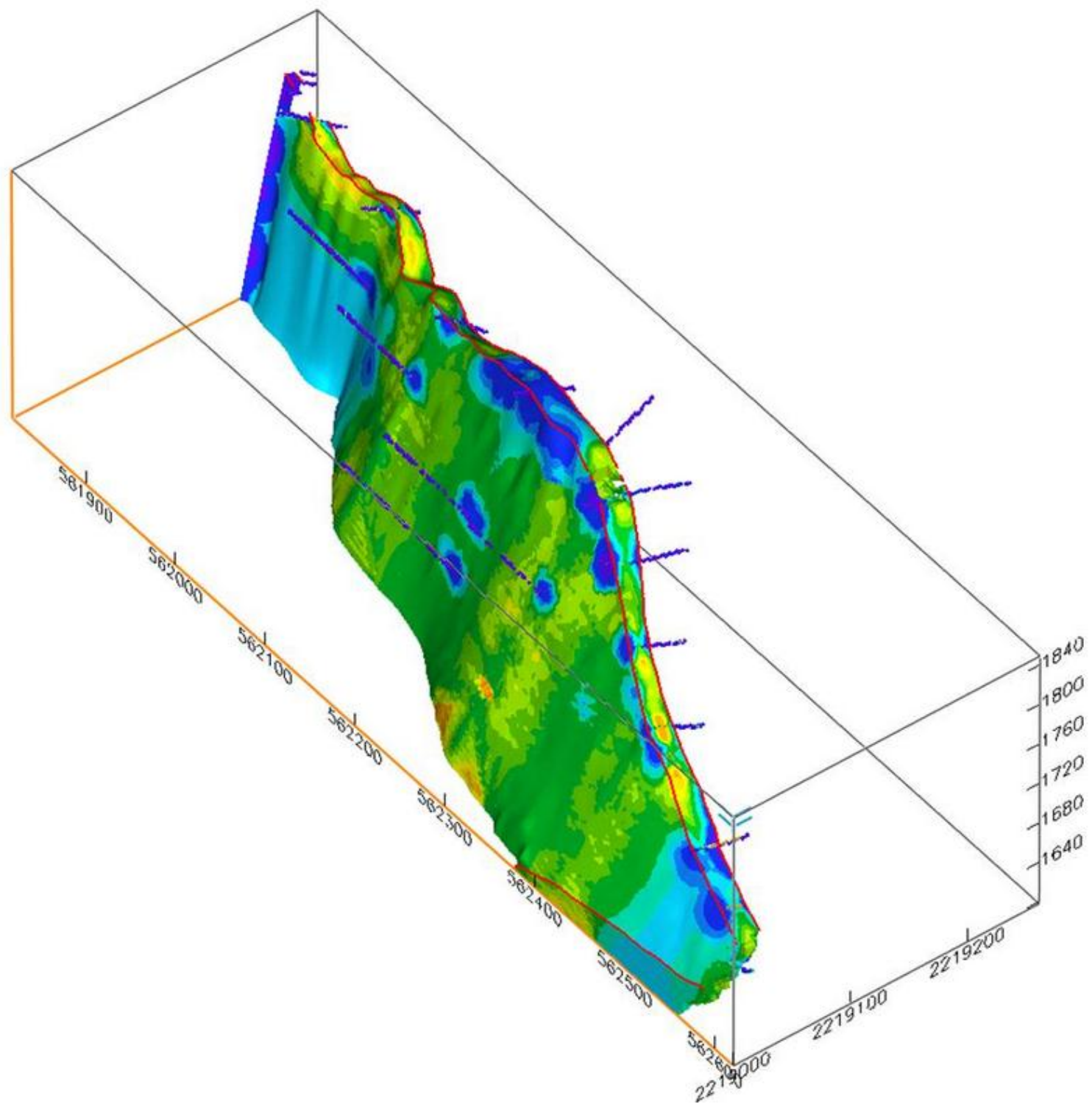
Galeme East project – Old mine tailings



Galeme East project –
Old mine tunnel

El Galeme East project – Old mine plant





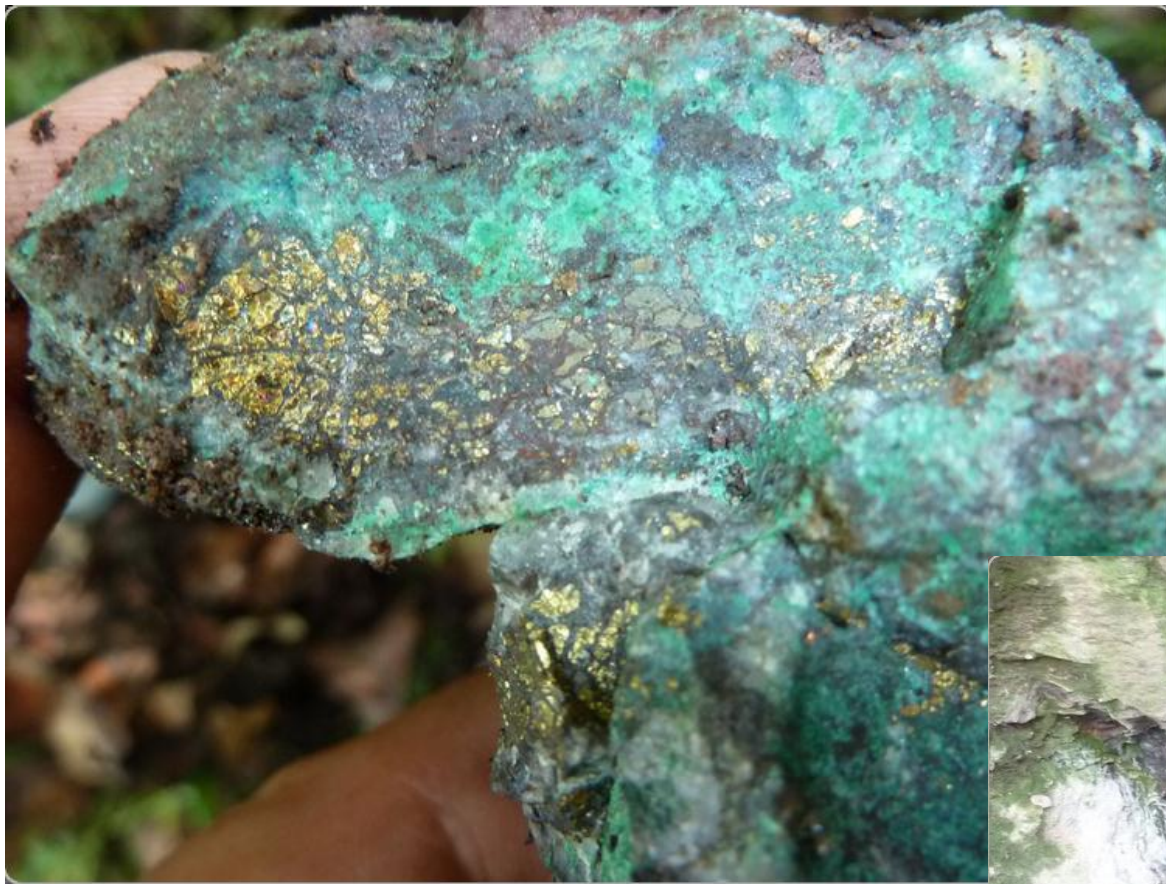




Au mineralization banded quartz



Quartz creston branching the main vein

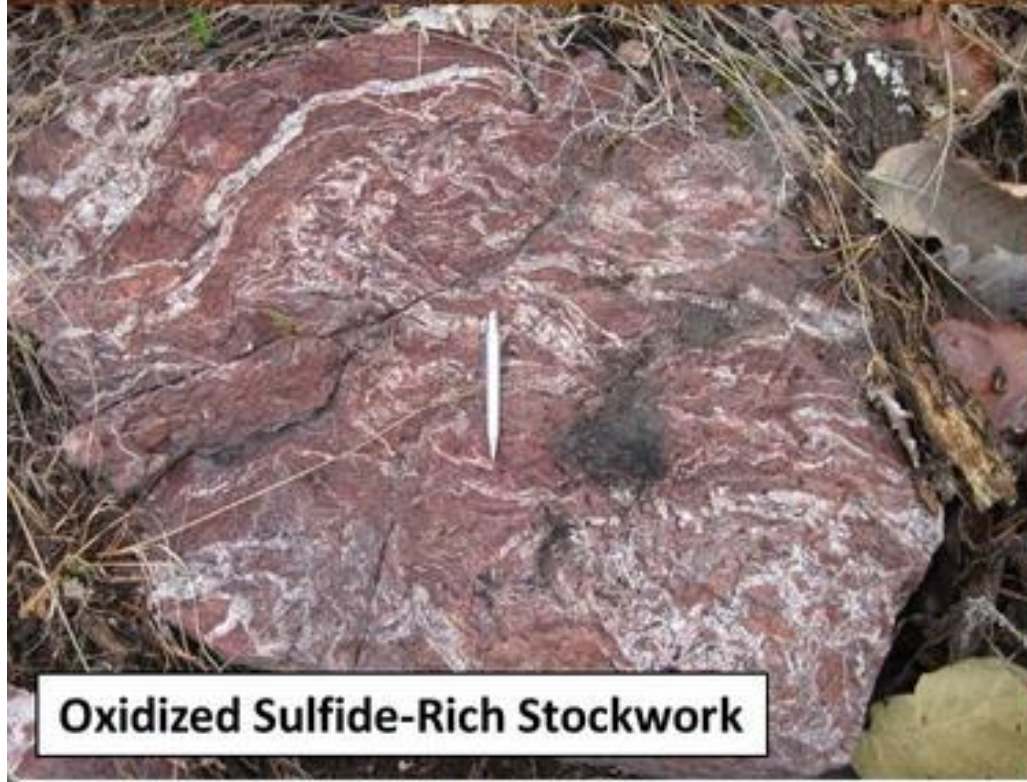




Oxidized sulfides



Silicified Breccia



Oxidized Sulfide-Rich Stockwork



Hydrothermal Breccia



Quartz creston outcrop

