

## **Curaça (Cu), Bahía, Brazil: Ore deposits to be prospected with hydrothermal guides**

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The Curaça region, placed to the north of the Caraiba mine has some "dark areas" (manchas pretas) formed by granulite, sometimes leading to pyroxenite – amphibolite rocks.

The copper mineralization associated to the hydrothermalism is mainly controled by the ultramafic rocks, although not all of these rocks have copper; this mineralization can be found in other rocks of the dark areas and in the regional granitic gneiss as well. Such hydrothermalism is distributed along two NNE alignments, one to the west side represented by the acid dyke of Piaô Grande, Serrote Preto and Lajes and the other to the east indicated by the Serrote Caraiba. The best copper mineralizations are into the dark areas, close to those alignments.

Therefore, even if the copper cation is supposed to have been submitted by the ultramafic rocks, the present mineral deposit is a consequence of an uncertain aged hydrothermalism.

In case of a future tactical prospection for copper in the Curaça Region, hydrothermal guides and not the syngenetic magmatic ones should be considered.