

Cerros Largos mineral district and this auriferous potential, San Luis Argentina

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The district is located at 32°53'61" S and 65°53'35" W, in Sierras Pampeanas, San Luis, Argentina. It has a deposits wolframiferous, auriferous and alluvial auriferous field. The wolframiferous deposits and adjacent lithology fields has not investigated by gold. The basement rocks are High proterozoic-Ordovician high-medium and low degree metamorphites, acids metavolcanites and ortoamphibolites, intruding by Ordovician to Devonian granitoids and pegmatites and volcanics bodies from upper Tertiary. Regional fractures from N to S, and less important from N to NE, affects the basement and the volcanics rocks, there is a shear zone of 100 km long, which is narrowed and dissapear to 2000 m at the north of district; it is 500 m wide in this zone and more than 1000 m in the S.

The district has been traditionally observed by gold and wolfram vetiforms mineralizations with a zone of shear's mineralization: in quartz veins, metavolcanites and schist; there are abundant auriferous (?) pyrite crystals in the phyllite interpreted as invisible gold of precocious state and fine gold identified as medium state. The analysis shows gold contain, from vestigies to 0.7ppm, with average between 0.02 and 0.01 ppm, silver content is from 0.1 to 18.9 ppm., Mo from 8 to 14 ppm; also has been determined Cu, Pb and Zn.

It is proposed an intensive prospecting for being in shear zones and the gold contain is known. In case of favorable results, they will be determinant to make revisions in zones of similar characteristic localized in Sierras Pampeanas.