

**LOS MINERALES DEL GRUPO DE LAS ARCILLAS DE LOS CERROS LA MERCED Y CARRIZALITO. DEPARTAMENTO ULLUM. PROVINCLA DE SAN JUAN.**

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**Abstract**

Subvolcanic rocks outcrops in La Merced and Carrizalito Hills, Ullúm, San Juan province. This rocks are classified as andesites, dacites and riolites of middle Miocene age.

Alteration zones are characterized by masses of white clays accompanied by poor opaque mineralization (pyrite, hennatite, chalcopyrite and native gold) and strong silicification, located in NE-SW and NW-SE faults. At this moment the presence of the illite-kaolinite-halloysite association with predominance of illite, accompanied by intense silicification, have been determined. The kaolinite-halloysite association is characteristic of the argillic alteration zone, no other paragenetic minerals were detect. The illite-kaolinite association may indicate, besides hydrothermal alteration, meteorical alteration caused by superficial water percolation.