

Edaphoclimatic conditions of soils formation around Sierra de San Carlos, Pinar del Río, Cuba

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It's presented the edaphological surveying scale 1: 50 000, made by the authors on the surroundings of Sierra de San Carlos, Minas de Matahambre Municipality, Pinar del Río Province, Cuba; elaborated from the New Version of the Cuban Genetic Soils Classification.

It's detailed the rainy paleoclimatic conditions for the formation of the Yellowish Red Alithic and Red Alithic soils "in situ" and its weathering crust at 100 – 145 meters high respectively into Ensenada de Bordallo.

These soils and weathering crust show the maximum grade of pedologic evolution as a consequence of the combination between the pedogenetic factors (genetic material) and maximum regime of tropical weathering, perhaps from Sangamoniano Interglacial (125 000 year BP) to the present.

It's commented the genetic conditions to the others soils and sediments of the region and they're closed genetic relationship with fluvial processes in the area.