Actual acid sulphate soils in Boyacá - Colombia

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Acid sulphate soils - ASS-, having very restricted use due to their extreme acidity have been identified within the upper Chicaomcha river basin, Boyacá - Colombia. This situation has led to increasing degradation of the land, rendering around 3,000 ha of land improductive [1]. Production alternatives are thus being sought from ASS, as they do have agricultural potential. Two representative ASS samples were studied by DRX and Mössbauer spectroscopy. NaOH separation was applied. Several iron oxides like Jarosite, Pyrite and Goethite and others were found. The relation between Fe²⁺ and Fe³⁺ is presented.


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