

THE CONTACTS OF CAMPO ALEGRE BASIN – NORTHEAST OF SANTA CATARINA STATE

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The Vulcan sedimentary basin of Campo Alegre is represented by four sequences of volcanic – sedimentary rocks with occurrence of volcanic activity which composition is grading from basic to acid. This sequence is alternated with siltites, sandstones, tuffs and volcanic breccias. SILVA & BORTOLUZZI (1987) describe polymitic conglomerate occurrence. TOMAZZOLI et al. (1999) divided the basin of Campo Alegre in six stratigraphics units, while CITRONI & BASEI (1999) identified eight units.

The contact of this basin with the basement is doubtful. The basement is constituted by rocks of the Complex Granulítico of Santa Catarina. The mapping of the northeast region of Santa Catarina State is difficult because the region presents a thick weathering material over all the rocks. Because this, the contacts between the basin and the basement are being mapped with remote sense technology with aerial photograph and orbital images with fieldwork at 1:50.000 scale. In this paper the contacts of the basin showed considerable modifications in relation to the actual geological map, with a great reduce in the area mapped as basement and, in fact is composed by a conglomerate formation of Campo Alegre basin.