

ABSTRACT  
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**Geologia Preliminar das Grutas: Toca da Boa Vista e Toca da Barriguda, Campo Formoso – Bahia – Brasil**

**Cláudio Maurício TEIXEIRA da SILVA; Milton PEREIRA FILHO; Luciana Vetel CRUZ & Marcus Vinícius C. O. LOPES**

SEE/DEGEO/UFOP – Campus Universitário, Morro do Cruzeiro, s/n. 35400-000, Ouro Preto, MG, Brasil.

The caves are developed at dolomite rocks of Una Group that was affected by two metamorphic events of Brazilian Cycle.

The method consisted of description and measures of observation points of planar and linear features like bedding, fractures and fold axis.

The results allow defining 3 lithofacies, with 3 characteristic subfacies, and defining a structural control to the development of the caves. Most part of conduits is controlled by vertical fractures and sometimes by folds axis. The fractures are parallel to the fold axis and have NNW-SSE and ENE-WSW directions. Evidence of refold is observed by existence of folded axis and dome and basin features. A zone of reverse fold were well defined, at the north part of TBV, by the occurrence of drags folds, tension gashes and fractured contacts of different lithofacies. This fault occurrence lead to the supposition that these caves are laterally controlled by inverses systems of faults.