

## **THE BARREIRAS GROUP AND NEOTECTONISM IN THE COASTAL ZONE OF THE STATE BAHIA, BRAZIL**

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The Upper Tertiary to Lower Quaternary Barreiras Group is a complex of immature sandy, clayey and gravelly sediments mainly deposited by mass flow and fluvial processes. Since the 50' authors have described geological and geomorphological aspects which infer a tectonic influence during both, the deposition of the sediments and the later landform configuration. At South part of the state, the Barreiras Group outcrops as continuous sea cliffs, sometimes extending for several kilometers. The main purpose of this work is to emphasize the role of neotectonism during and after deposition of this sedimentary deposit. The morphological expression of sea cliffs may represent an evidence of a post depositional tectonism, which generated a difference in their position relative to the present sea level. The Pre Cenozoic lineament system of the studied region has a parallelism to the coastal line, probably indicating structural control during sediment deposition, with a possible fault reactivation. Post-depositional fissures striking N25-30° were observed as well as few centimeters thick dykes of sandy material into claystone. Other observed features are the curt deviation of drainage pattern and the change of topographic surfaces associated with fault movement.