

THEME: CHALLENGED IN SCIENCE AND TECHNOLOGICAL ADVANCEMENT AND ECONOMIC REFORMS

MORPHOMETRIC ANALYSIS OF THE IMPACT OF F.U.T. MINNA DRAINAGE SYSTEM DOWNSTREAM.

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Abstract

This study is an assessment of the changes, which in the construction of drainage along a natural channel can generate an equilibrium state of the morphological and cascading components of a river system in downstream location. Terrestrial photographs of dry and wet seasons were used during the reconnaissance survey to give visual information of the study area. Two environmental impacts were investigated in the study area. The channel cascade system and the valley side slope process response system. The magnitudes of the components of these systems were determined over the period of construction of the drainage along the Bosso River. The result of the investigation show that, in the Bosso River, the drainage and their management by man have modified the channel flow regime by lowering the terrace gully geometry and the channel debris storage.