

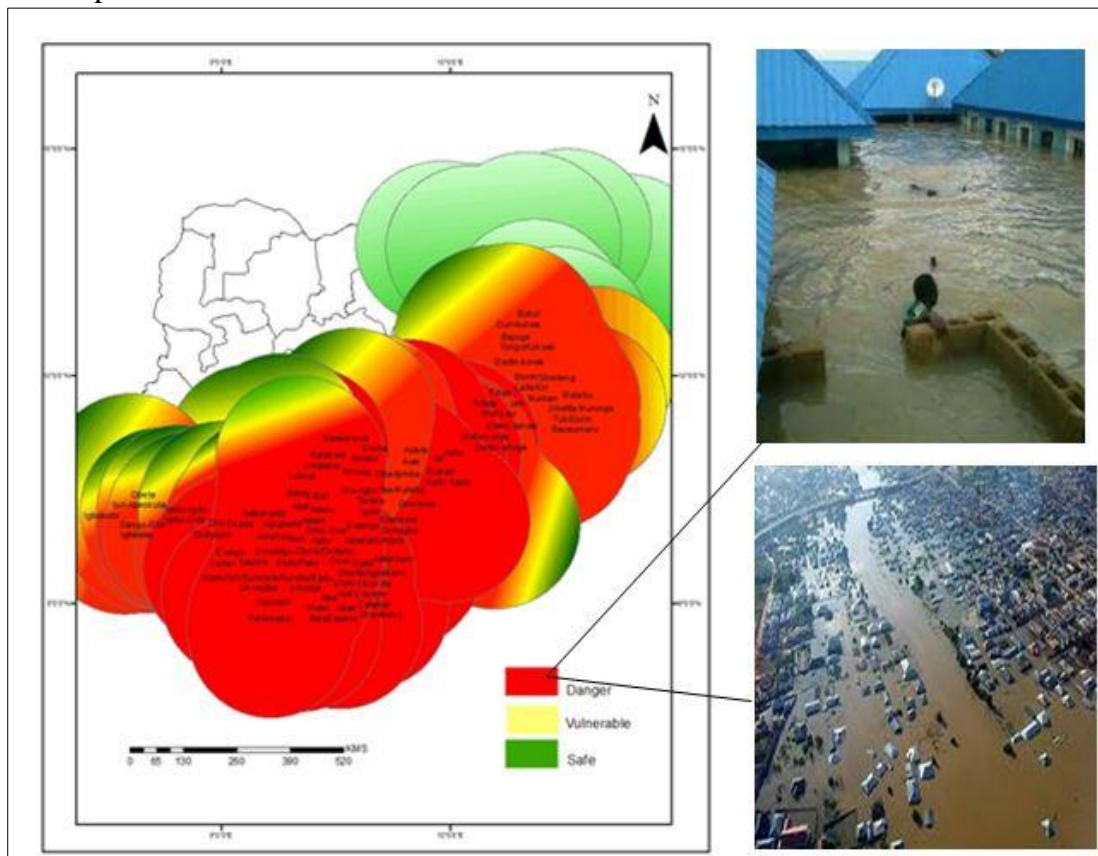
CURTAILING FLOOD DISASTER IN RIVERINE COMMUNITIES IN ABUJA (NIGERIA) WITH GIS

INTRODUCTION

The Lagdo Dam water from Cameroon was released in 2012, which passes across Nigerian rivers (R. Benue). However, resulted into flooding that affected about 21 states in the country, 363 people killed and displaced over 2.1 million people as of 5 November 2012. According to the National Emergency Management Agency (NEMA), the affected states included: Yobe, Borno, Adamawa, Taraba, Nassarawa, Benue, Kogi, Enugu, Ebonyi, Cross River, Abia, Imo, Anambra, Edo, Ondo, Rivers, Bayelsa, Delta, Ogun, Lagos and Gombe. Several settlements in this state were submerged. This work tend to enlighten people living around floodplain regions to evacuate to a highlands region within their community to allow the nature of flow of water to take it case in order to save lives and property. As announced by the National Emergency Management Agency (NEMA) on the plan of releasing excess water from Lagdo Dam between now to November 2015 from Cameroon (onlinerate@sunnewssonline August 27, 2015). The objective for this map is to enlighten riverine communities using map of any impending flooding in 2015, especially from the Lagdo dam (as forecasted by the Metrological Agency of Nigeria).

METHOD: Buffering in ArcGIS of rivering Communities in Abuja

Buffering is the process of illustrating dangerous, venerable and a safety zone. The rivers were buffered (distance of 200m) in line regulations of National Environmental Standards & Regulations Enforcement Agency (NESREA), using gradient fill symbol and a linear scale in ArcMap.



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