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Author: Ms. Joy Agene
National Centre for Remote Sensing, Jos, Nigeria, iganyajoy@gmail.com

REMOTE SENSING AND GIS A TOOL TO MAP LAND AREAS FOR FADAMA FARMING IN
BASHAR PLATEAU STATE, NIGERIA.

Abstract

The use of Fadama for dry season farming has contributed to food crop production in Nigeria. This development has resulted from efforts of Government, World Bank, United Nations and other Organizations to reduce poverty in Africa and around the world. In order to effectively checkmate further infrastructural development on Fadama areas around Bashar, this study was carried out using Remote Sensing and GIS to estimate possible Fadama land around Dengi and Bashar. SPOT 5 image with other ancillary data were used in ArcGIS to map out possible fadama land in the study area. The study revealed that about 193690 sqm is been covered by wetlands which is an indicator of an area suitable for Fadama farming. Presently the area covered by agricultural activities in the area is about 357570 sqm. Although little infrastructural developmental activities are coming up, this study was carried out to checkmate building on the wetlands.

Keywords: GIS, Remote Sensing Fadama, Wetlands .