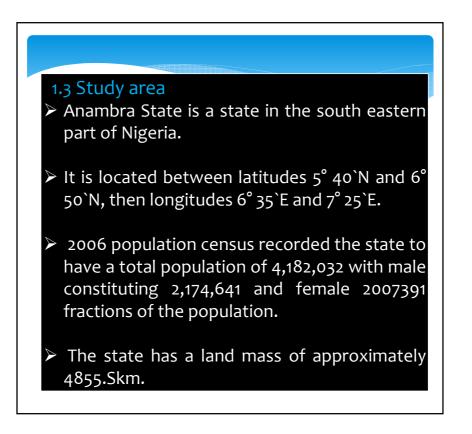
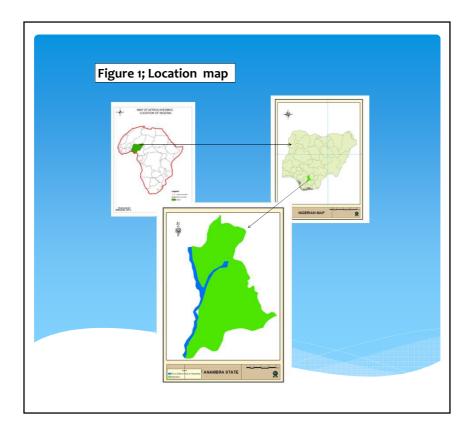


1.2 Significance Of Study

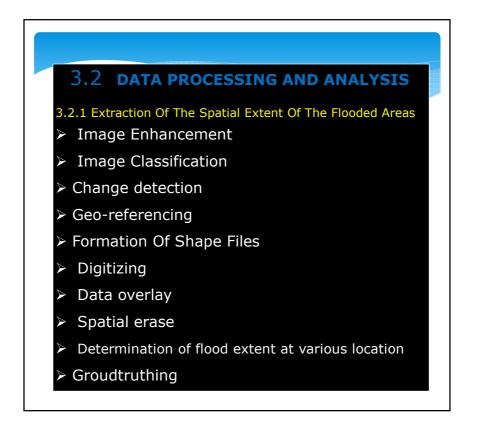
- ➤Whenever disasters with great magnitudes occur in a country, efforts are usually made to prevent future occurrences where possible, or at least minimize the impacts through various preventive programs and mechanisms
- In Anambra state, Lack of comprehensive flood hazard map was one of the major problem in combacting 2012 flood disaster
- Hazard maps can be the most valuable tools for avoiding social and economic loses from floods.
- There is the need for a comprehensive flood hazard mapping and analysis for emergency management and contingency planning within the state.

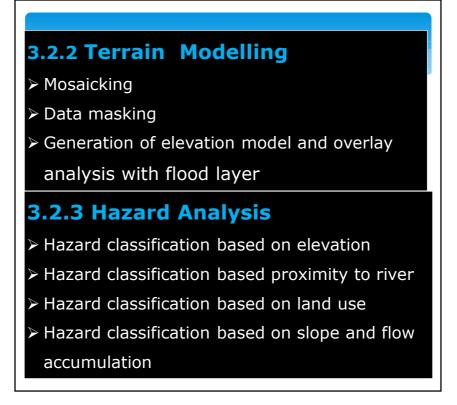


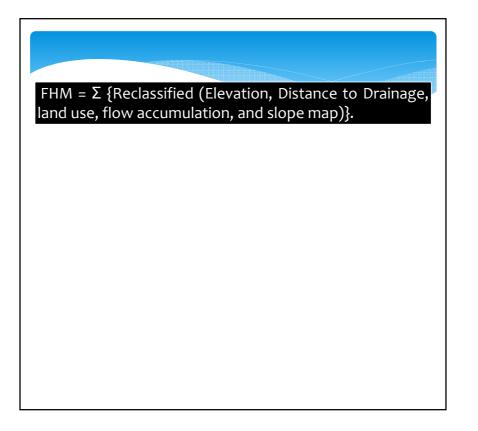




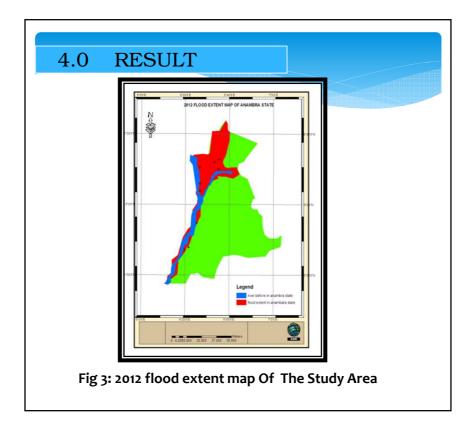
MATERIAL AND METHODS Table 1; Data used			
DATA	DATA SOURCE		
SRTM	USGS's website		
MODIS	NASA's website		
Google Earth satellite image	Internet		
Population data	National bureau of statistics		
Topographical map	Federal surveys		
GPS coordinate of flooded areas	Field work		

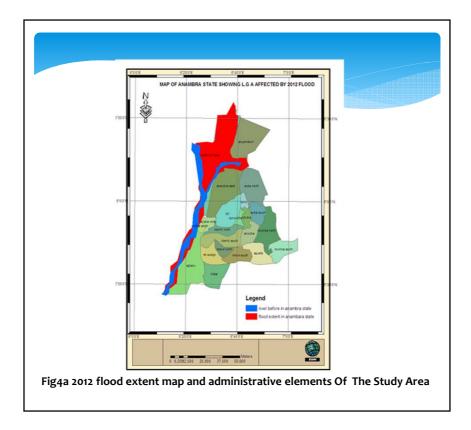


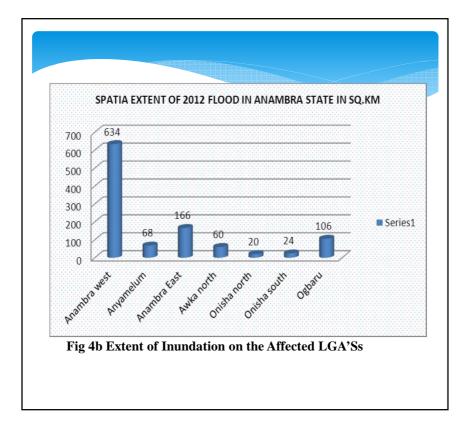


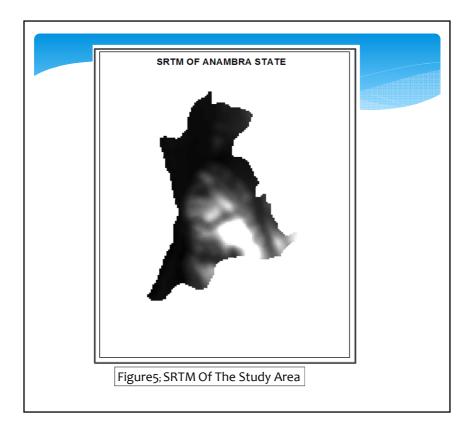


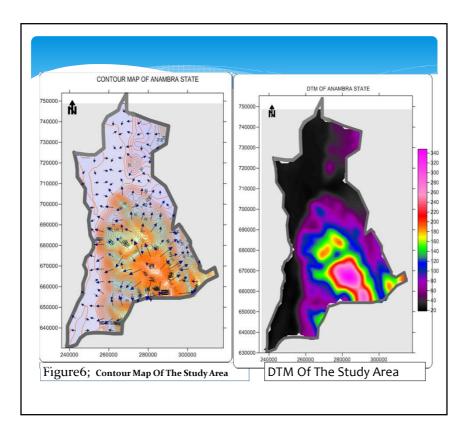
3.2.4 population vulnerability op.Vuln. = Area of risk category * pop. density				
HAZARD ZONE	AREA(Km)²	POPULATION. DENSITY	POP VULNERABILITY	% POP VULN
VERY HIGH	2106.78	861.38	1814733	43.40
нісн	955•39	861.38	822953	19.68
MODERATE	835.054	861.38	719298	17.20
LOW	555.48	861.38	478486	11.44
NO	402.334	861.38	346561	8.29
Table 2				

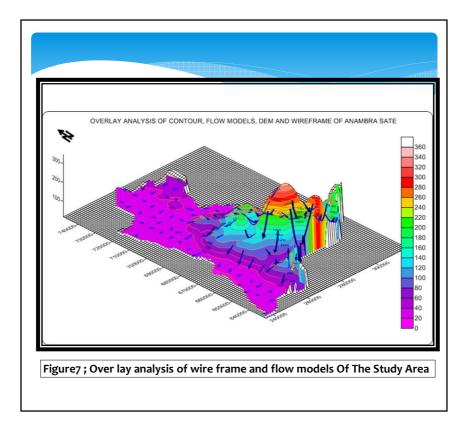


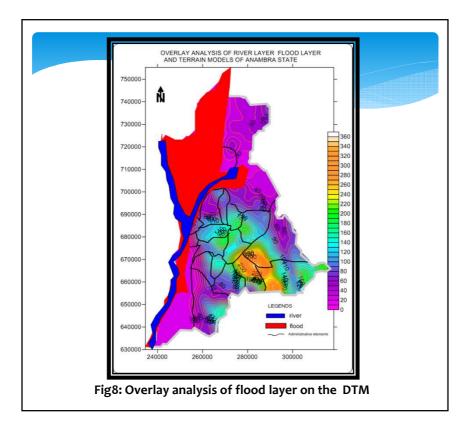


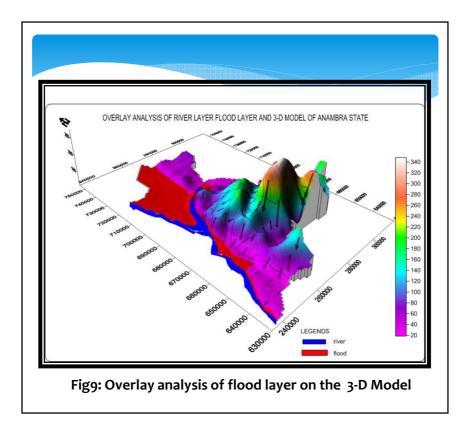


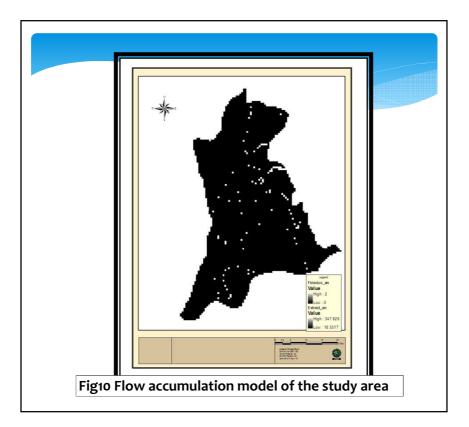


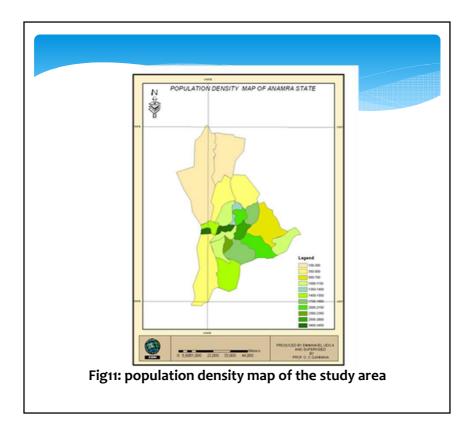


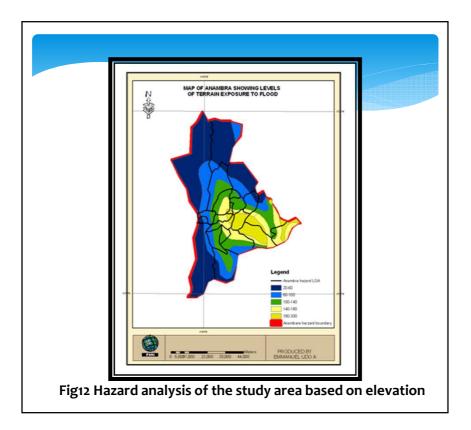


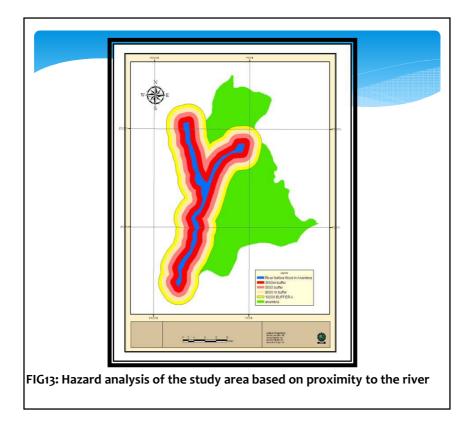


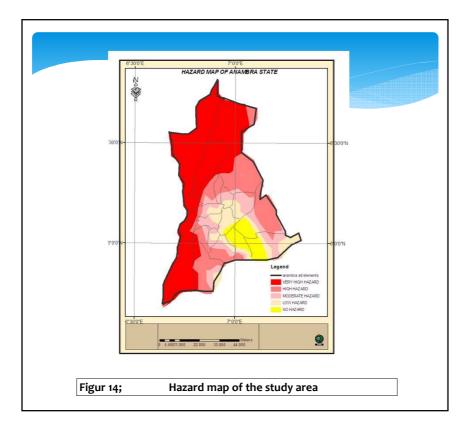




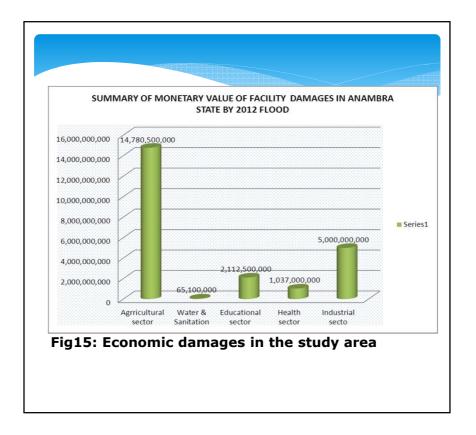


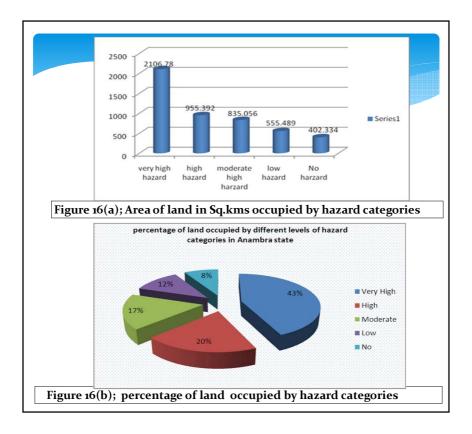


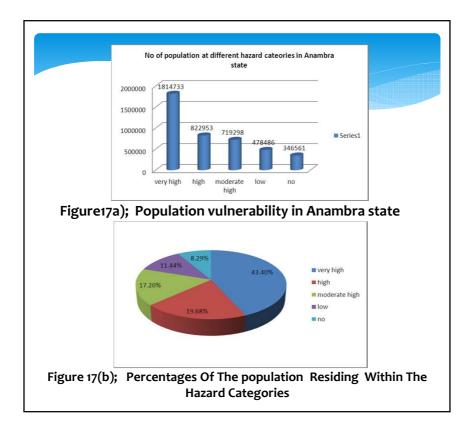


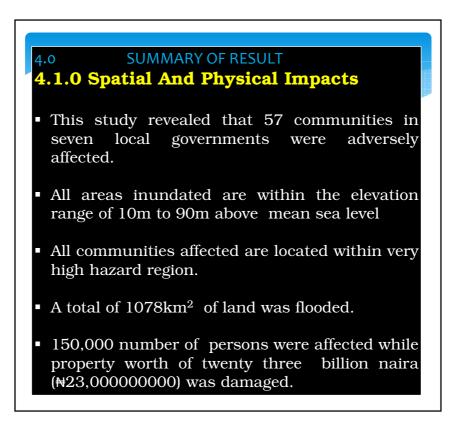


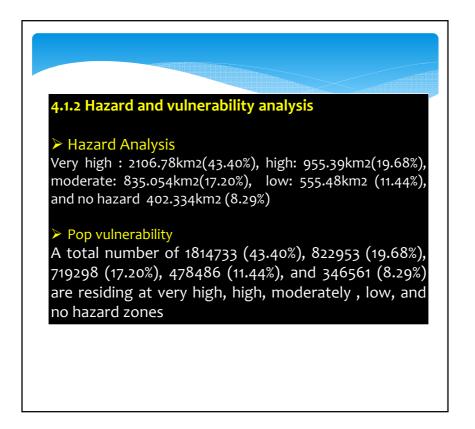
SECTOR	FACILITY AFFECTED	MONETARY	
		VALUE OF LOSS	
Agricultural	117148 farmers and agro based business people affected)	N14,780,500,000	
Water& sanitation	79 facilities submerge	N65,100,000	
Education	325 School Affected	N2112 500,000	
Health	122 facilities	N1,037000,000	
Industrial	35 privately owned manufacturing industries	N5000,000,000	











Conclusion

- Flood hazard mapping is a vital component for appropriate land use planning in flood-prone areas.
- It creates easily-read, rapidly-accessible charts and maps that can facilitate administrators and planners to identify areas at risk and prioritize their mitigation and response efforts.

Recommendations

In response to the re-occurring flood events in Nigerian cities, there is the need for;

- Continual hazard Mapping of cities in Nigeria including Anambra State.
- There is the need for improved land Use Planning.
- flood monitoring and management should be encouraged and funded by government and non-governmental agencies

