

# GIS Based Flood Risk Assessment Of Kubwa Abuja

By

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# Statement of Problem

- Over the years records have shown that Kubwa town in Abuja is a flood disaster vulnerable area. The risk and fear of the residents are on the increase considering the fact more people are settling in the area and as well raising structures indiscriminately.

# Field Observations

- Buildings are erected at the edge of the river bank.
- Vegetation surrounding the river are cleared for building purposes.
- Some Buildings are found to be on natural water ways.

# Input Data 1

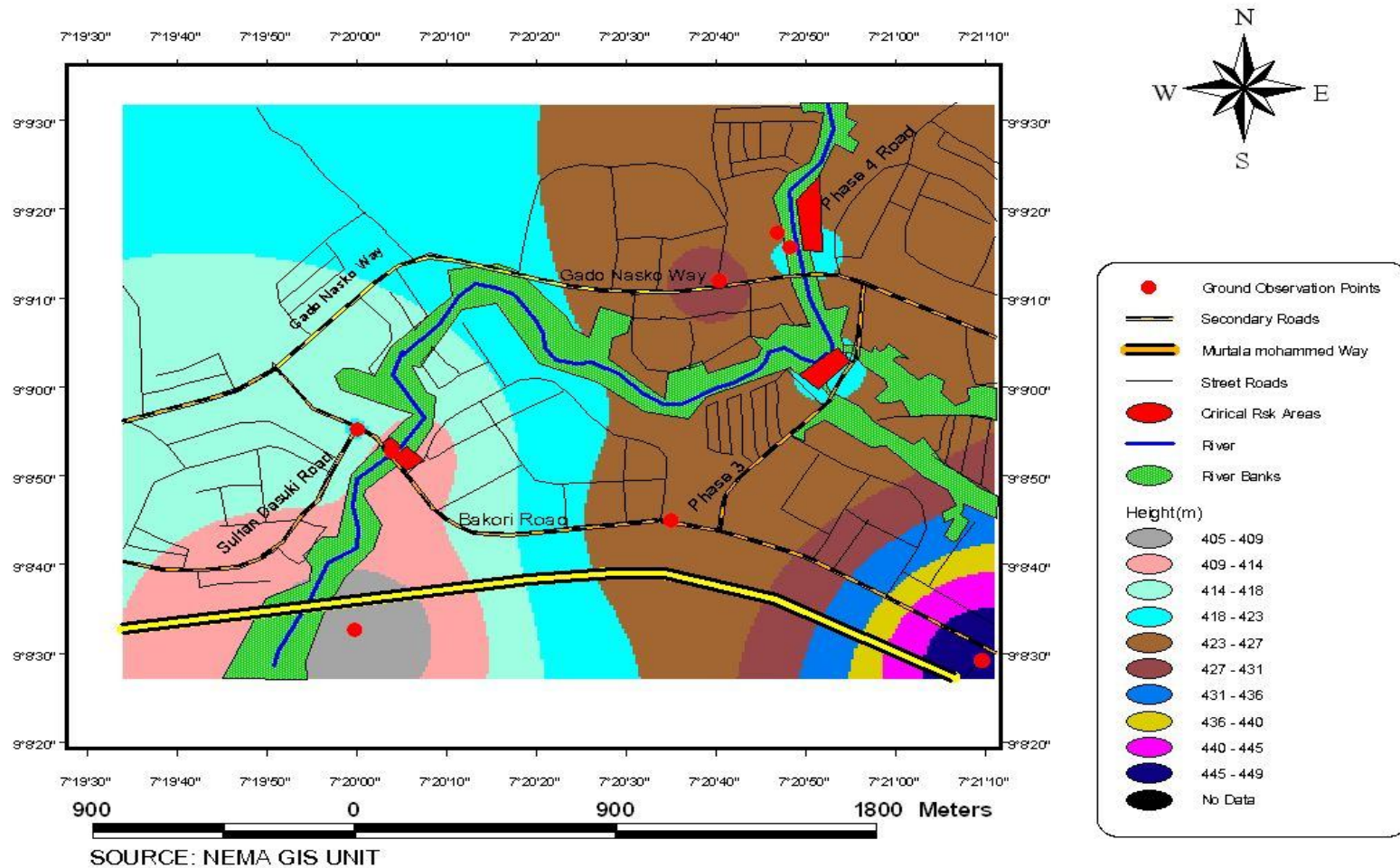


# Input Data 2

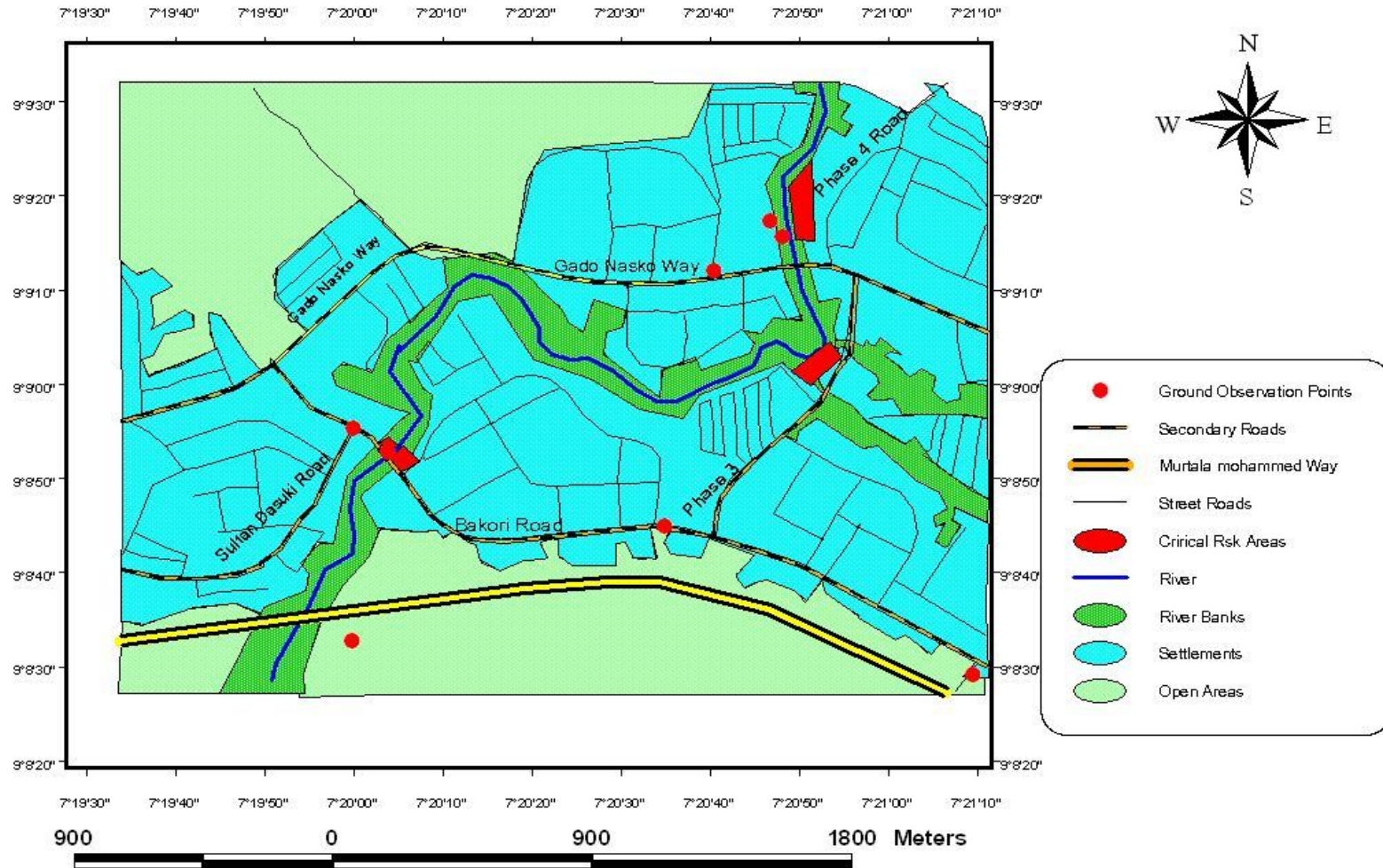


# Results

## FLOOD RISK ASSESSMENT MAP OF KUBWA - ABUJA



# FLOOD RISK ASSESSMENT MAP OF KUBWA - ABUJA



SOURCE: NEMA GIS UNIT

# Conclusion and Recommendations

The buildings should not be erected at the red spots which are high risk areas.

Trees should be planted at banks of the river in order to reduce the velocity of water flow that may enter the settlements.

FCDA who is the authority in charge should monitor and restrict people from building on natural water ways.

The bridge in phase 4 should be re-enforced because it has some cracks.