Automated in-situ sensors & spatiotemporal modelling to monitor harmful algal blooms

***Case Study Lake Victoria***

**by**

Okomo Jacob Okello

*Project report submitted to the department of Geomatic Engineering and geospatial Information Systems degree of Bachelor of Science in Geospatial Information Sciences (GIS).*



**Department of Geomatic Engineering and Geospatial Information Systems (GEGIS)**

DECLARATION

*I declare that this project is my own work and has not been submitted by anybody else in any other university for the award of any degree to the best of my knowledge.*

Sign………………………………… Date………………………………………..

Student name

Registration number

Department of Geomatic Engineering and Geospatial Information Systems (GEGIS)

Jomo Kenyatta University of Agriculture and Technology

CERTIFICATION

This project has been submitted for examination with my approval as the candidate’s supervisor.

Sign……………………………. Date ………………………………………………

[Supervisor’s name]

[Designation]

[Department]

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# Acknowledgements

Thank the data providers, support from NASA XXXXXX

# Abstract

Urban population growth in Kenya XXXXX

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# Acronyms and abbreviations

Add your acronyms here

# Introduction

## Background

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## Motivation and problem statement

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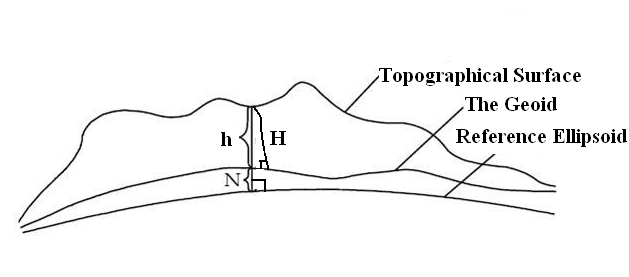


Figure : Example of a figure. It uses Tables & Figures Caption style in quick styles gallery.

Table : Sample of a table. It uses Tables & Figures Caption style in quick styles gallery.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| City or Town | Point A | Point B | Point C | Point D | Point E |
| Point A | — |  |  |  |  |
| Point B | 87 | — |  |  |  |
| Point C | 64 | 56 | — |  |  |
| Point D | 37 | 32 | 91 | — |  |
| Point E | 93 | 35 | 54 | 43 | — |

## Research identification

The main aim of this research is to develop …. This is achievable through the following specific objectives:

### Research objectives

1. XXXXX
2. XXXXX

### Research questions

The following questions are formulated with respect to aforementioned objectives:

1. XXXX
2. XXXX

## Study outline

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# Literature review

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# Materials and methods

## Study area

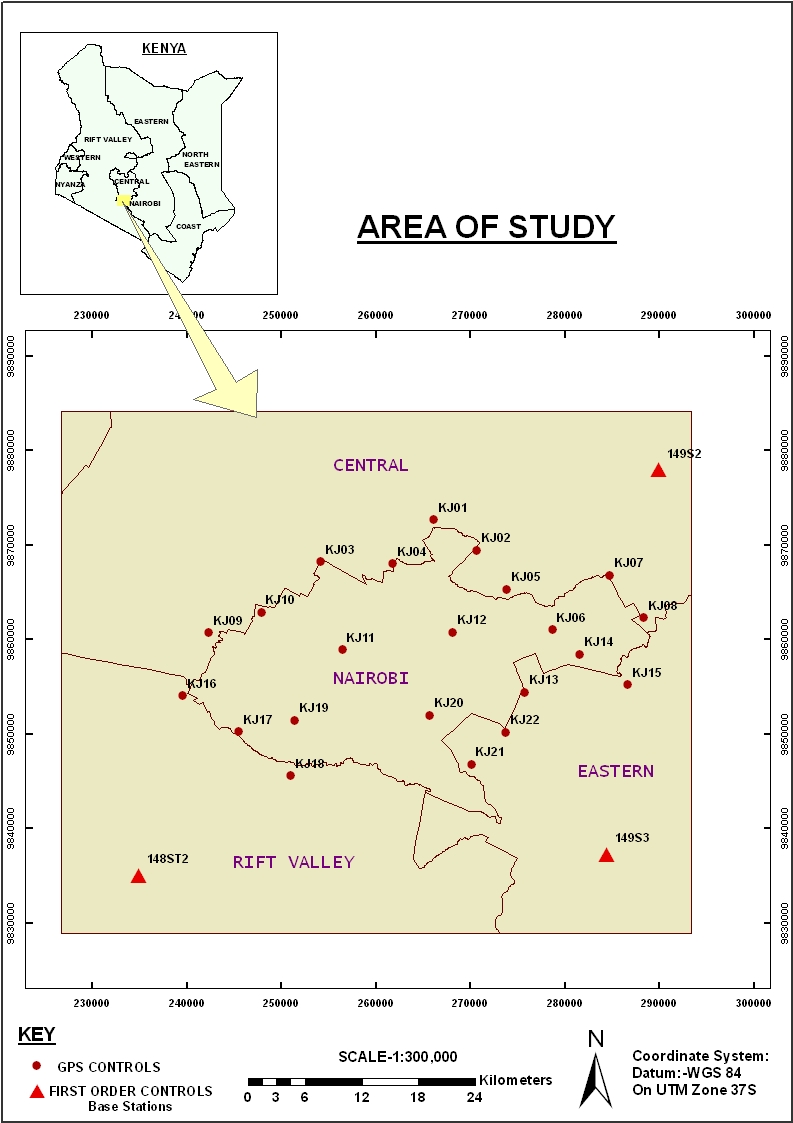


Figure : Example of a study area map

## Data

Describe the data used in the study.

## Methodology

Concisely describe the methodology used in your study.

# References

Provide an exhaustive list of references preferably using APA citation style. Be advised to use [Mendeley Desktop](https://www.mendeley.com/download-mendeley-desktop/) an open source reference manager software with MS Word plugin.

# Appendix

Add any extra materials that could not fit in the main text of your write up and is relevant to your study.

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