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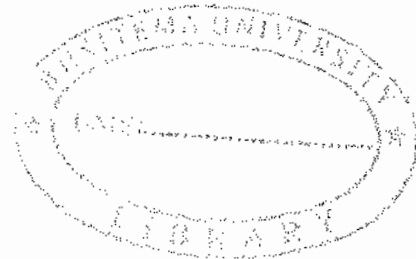
**FACULTY OF NATURAL RESOURCES AND ENVIRONMENTAL SCIENCES**

**THE IMPACTS OF WASTES ON NYARUTEME WETLAND IN  
NTUNGAMO DISTRICT AND PART OF BUSHENYI DISTRICT**

**BY**

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**A RESEARCH PROJECT REPORT SUBMITTED TO THE FACULTY OF  
NATURAL RESOURCES AND ENVIRONMENTAL SCIENCES, IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR AWARD OF BACHELOR'S  
DEGREE IN NATURAL RESOURCE ECONOMICS**

**JUNE 2016**

**DECLARATION**

I hereby declare that this research report is my original work and has never been submitted to this university or any other for the award of a degree or its equivalent. Therefore, unless otherwise stated, the work contained herein is my own.

Signature..........

Date..... 9/7/2016 .....

KEMBABAZI HOLLEN

### APPROVAL

This is to certify that KEMBABAZI HOLLEN did research and this report is a true representation of the findings. Am therefore recommending that this report can be submitted to the faculty of natural resources and environmental services of Busitema University

Signature.....

Date.....

Kisu Kisira

## DEDICATION

I dedicate my work to my most beloved father Mr. Kaboyo Alfred and mother Mrs. Robin Kaboyo for their parental care, financial support and encouragement in my studies.

## ACKNOWLEDGEMENT

I would like to take this opportunity to thank people who have made it possible for this work to come reality.

First I wish to convey my special thanks to my research supervisor Mr. Kisu who took his precious time to review my work and the entire staff of the faculty of natural resources and environmental sciences of Busitema university Namasagali campus.

I also extend my sincere thanks to my parents; Mr. Alfred Kaboyo and Mrs. Robinah Kaboyo for support moral and laying a firm foundation for my education. May the almighty god give you more years to enjoy the fruits of your hard work To my friends Elizabeth, Kahwa, Brian, Joseph and Anena for their words of encouragement. May the almighty God reward you abundantly.

Above all I give thanks to God the almighty that has seen me through the bad and good times.

## ACCRONYMS

EIA	Environmental Impact Assessment
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
NEMA	National Environment Management Authority
NWSC	National Water and Sewage Cooperation
RCC	Reynolds Construction Company
UBOS	Uganda Bureau of Statistics
UNRA	Uganda National Roads Authority

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## ABSTRACT

In the study the impacts of the wastes dumped in Nyaruteme wetland in Ntungamo district and some parts of Bushenyi where considered covering six neighboring villages with objectives of assess the impacts of waste dumping on Nyaruteme wetland, identifying wastes dumped into the swamp, activities done in the wetland and impacts of dumping wastes into the wetland, data was obtained through questionnaire interviews , observations and reference to available information and analyzed with stastical packages.

The study revealed that there is high level of dumping wastes into the wetland due to reconstruction of the road, growing population, ignorance of people about the dangers of waste in the wetland, no costs imposed on people who dump wastes, nearness of the wetland to the road, lack of strict laws governing the area and no specific gazetted dumping wastes and activities like crop growing , cattle keeping , brick making, fishing, weaving activities, and urbanization are major driving forces land degradation due to increased levels of soil erosion , there are low levels of responses to Nyaruteme degradation and limited awareness towards sustainable use and management of the wetland resources, gender and age are relevant factors in determining the nature of activities carried out in wetlands with male and age group of 19-25 taking a great percentage of participants .Activities in wetlands are independent of whether one owns land or not .

Based on the study, the following recommendations were made; need to educate people about dangers resulting from dumping wastes into the wetland, establishing waste collection points, encouraging people to carry out community works , need to sensitize and change attitude of the community towards environment and natural resources , consider gender equality in use and management of natural resources to avoid gender conflicts.

## CHAPTER ONE: INTRODUCTION

### 1.1 Introduction

This covered background to the study, statement of the problem, objectives of the study, research hypotheses/Questions, conceptual frame work, signification/ justification of the study, scope of the study.

### 1.2 Back ground of the study

Nyaruteme wetland is located in Itojo Sub-county, Ntungamo District, approximately 15 kilometers (9.3 miles) by road from Ntungamo Town and the bigger part is in Bushenyi district.

Nyaruteme wetland provides to the local communities around Ntungamo district and of Bushenyi district e.g. the provision of food, drinking water, building materials, etc. in addition, Nyaruteme wetland plays an important role in water regulation, purification and sanitation. In Uganda wetlands represent one of the vital natural resources it is endowed with; and although the overall economic value of wetlands in Uganda has not yet been quantified, (Emerton et al, 1999,) estimates the purification function. The value of all wetlands and their associated ecosystem services has been estimated at US\$14 billion annually (Groot, 2006) . The National Environment Act, Cap 153 states that it is an offence to reclaim, dump, alter or remove any structure fixed in, on, under or over any wetland and also introduction of exotic plant or animal and other materials in the wetland(state of environment).

Yet many of these services such as the recharge of ground water, water purification or aesthetic and cultural values are not immediately obvious when one looks at a wetland. Planners and decision makers at many levels are frequently not fully aware of the connections between wetland condition and the provision of wetland services and the

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