

Mobilizing the justification measure for eutrophication and siltation in Muhazi lake and its catchments.

“Leaving no one behind”

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1. INTRODUCTION

- Most of tropical African lakes face problems of eutrophication and siltation
- Eutrophication is due to rapid anthropogenic activities around water catchments .
- Siltation caused by soil erosion .
- In muhazi lake, there is increase in heavy metal like, Nitrogen phosphorus and potassium and also siltation in its catchments .

2. PROBLEM STATEMENT

- Main anthropogenic activity around Muhazi lake:
 - Agriculture
- Once it rains, water pushes residues of minerals (N,P,K) and other pollutants(plastics) certainly due to the lack of conservation estate.
- It results in eutrophication and siltation.
- That results in reduction of aquatic biodiversity like fish, arthropods, amphibians, etc .



Land use around Muhazi lake

3. OBJECTIVES

3.1. Main objective

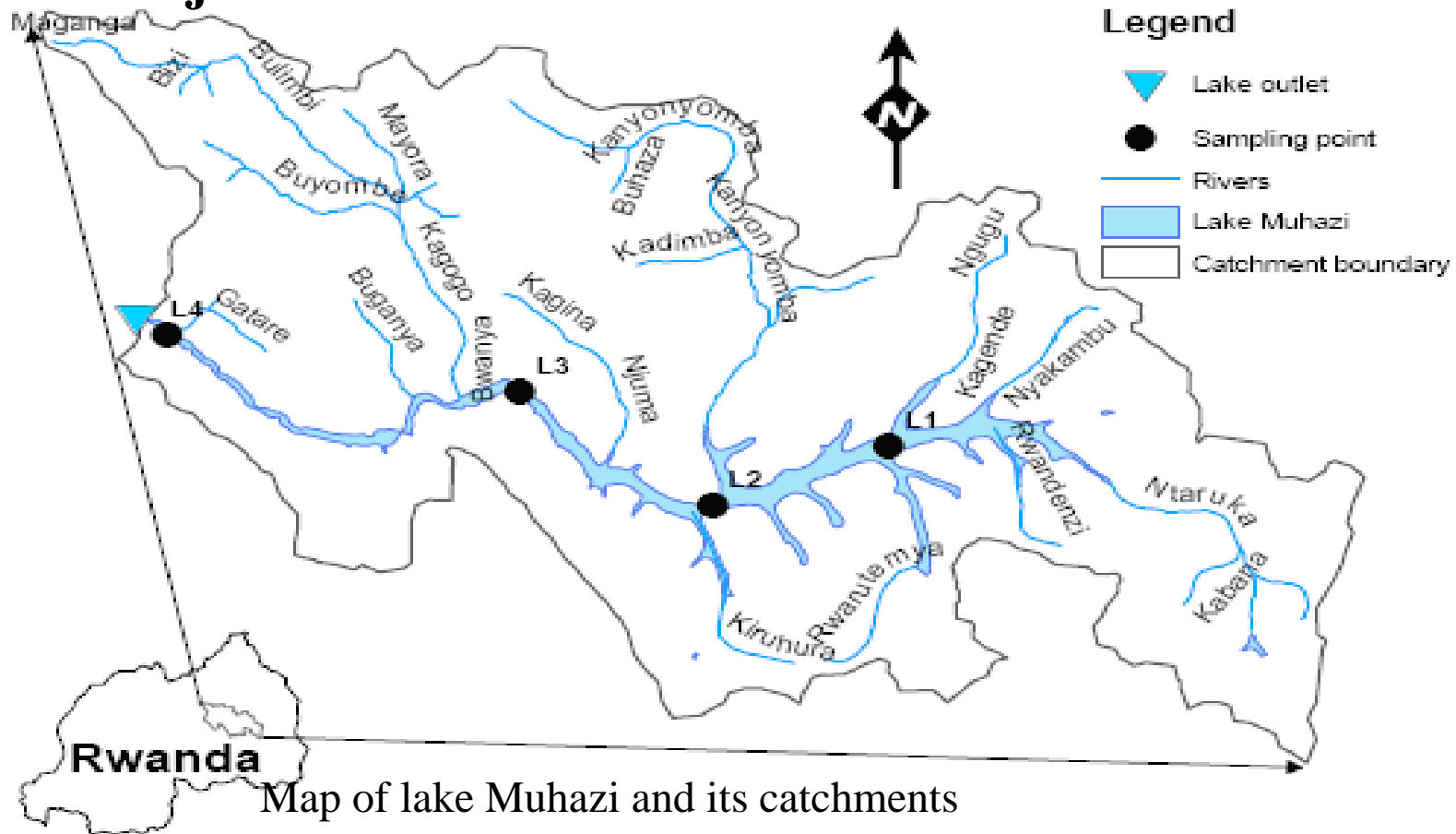
To mobilize the measure by which the eutrophication and siltation in muhazi lake and its catchments can be reduced.

3.2. Specific objectives

1. To assess the community perception on Clarity of eutrophication and siltation in Muhazi lake and its catchments.
2. To act on reduction of soil erosion well-suited with siltation
3. To sensitize local communities on conservation agriculture for sustaining water quality.
4. To contribute the justification about eutrophication and siltation happening aquatic ecosystem.

4.METHODOLOGY

4.1.Project area



4.METHODOLOGY

4.2.Base line study

- Questionnaire:
- Focus group discussion (FDG):
- ✓ Oral interviews to test:
 - ✓ The validity,
 - ✓ Clear understanding and
 - ✓ Clarity of eutrophication and siltation in Muhazi lake and its catchments

5. ACTIVITIES

5.1.Reduction of soil erosion well-suited with siltation

- Talking about soil erosion in community work
- Helping local people to get seedling of haegenia Abyssinia for planting around water catchment .
- Enhancing local people the way for reducing run off of water.
- Bamboo plantation around muhazi lake and its catchment.



5. ACTIVITIES

5.2. Training on conservation agriculture around Muhazi lake and its catchment.

- ❖ Modal farmers
- ❖ Local people who have land around the water catchment.
- ❖ Local people who used to have agriculture activities in wetland.

5. ACTIVITIES

5.3. The justification about eutrophication and siltation happening aquatic ecosystem.

- Community education on the effect of mineral residues from agriculture .
- Sensitizing the effect of siltation on aquatic ecosystem.
- Bamboo plantation around muhazi lake and its catchment.
- Planting haegenia Abyssinia in and around water catchment
- Enhancing agriculture conservation
- Controlling soil erosion

6.WAY FORWARD

- Networking and collaboration with NGOs and local government For the proper Implementation of project idea
- Measuring the effectiveness of project

**THANK YOU FOR YOUR KIND
ATTENTION!!!!!!**

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COMMENTS AND QUESTIONS???