

Project Title

:

Assessment of Ecological Status and Socio-economic Dynamic of Upper Ewaso Ng'iro Basin Wetlands

Duration:

From:

January 2010

To:

February 2011

Thematic Area:

Sustainable Natural Resource Management (Water, Soil and Biodiversity Conservation)

Spatial Area:

Upper Ewaso Ng'iro Basin including Nyandarua and Laikipia

Collaborators:

Eastern and Southern Africa Partnership programme (ESAPP), University of Nairobi (UoN)

Lead Person(s) & Contacts:

CETRAD

Brief Description

Background and Summary:

The aim of this project was to map wetlands and assess their socio-economic uses, values and functions.

A total of six wetlands were covered in this study including Ol'Bolessat, Ewaso Narok, Pesi, Marura, M...

Objectives:

1. To undertake an inventory of Upper Ewaso Ng'iro Basin Wetlands.

2. To assess the socio-economic values and uses of the wetlands.

3. Develop a detailed spatial and non-spatial map of the wetlands.

4. Create awareness on socio-economic values and uses of the wetlands.

Methods and Activities:

The project was successfully executed through various stages including social economic visits to the project area.

Outputs and Results:

1. Land use Land cover change maps

2. Social economic questionnaires

3. Soil and Water sample data and analysis

4. A check list of flora and fauna

5. Vegetation sampling data and distribution

6. Satellite images , GIS layers and maps

7. Maps of current extent of the wetlands

8. Project Report

9.	Dissemination Workshop
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The project results have shown that over the last 15 years most of the natural vegetation cover has been

Beneficiaries:

1. Local community, Landuse planners, Water Users Associations

2. Researchers, and Collaborating Institutions

3. Farm and Ranch Managers within the basin

4. Ministry of water & Ministry of Agriculture.

Outcomes:

The project has generated data and information that will go a long way in assisting the farmers and other

The problems facing the North Ewaso Ng'iro drainage wetlands can be viewed in three scenarios.

a.) **Scenario ONE - no intervention**

b.) **Scenario TWO - total exclusion**

c.) **Scenario THREE - co-ordinated**

Lessons Learned:

One main lesson learned was the fact that farmers don't know the swamps are of the legal status of the Government

To the local communities the main economic importance of wetlands is

Impacts:

The knowledge base of wetlands status and utilization has improved through creation of databases from

The community and policy makers have been empowered through dissemination workshops and they

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